bp Statistical Review of World Energy June 2020

This workbook contains information presented in the 2020 bp Statistical Review of World Energy, which can be found on the internet at:

http://www.bp.com/statisticalreview

Please use the contents or the tabs at the bottom to navigate between the tables.

Primary energy: Consumption*

Exajoules	1965	1966	1967	1968	1969	1970	1971	1972
Canada	4.92	5.24	5.48	5.84	6.19	6.62	6.83	7.35
Mexico	1.05	1.11	1.13	1.23	1.35	1.44	1.52	1.68
US	52.43	55.38	57.31	60.80	64.05	66.22	67.59	71.06
Total North America	**58.41**	**61.73**	**63.92**	**67.87**	**71.59**	**74.28**	**75.94**	**80.09**
Argentina	1.13	1.17	1.20	1.24	1.28	1.21	1.29	1.31
Brazil	0.97	1.06	1.10	1.25	1.37	1.59	1.73	2.00
Chile	0.26	0.28	0.28	0.28	0.31	0.32	0.35	0.36
Colombia	0.32	0.35	0.37	0.39	0.40	0.43	0.42	0.48
Ecuador	0.03	0.03	0.04	0.04	0.04	0.05	0.06	0.06
Peru	0.20	0.25	0.25	0.25	0.26	0.26	0.28	0.25
Trinidad & Tobago	0.12	0.13	0.14	0.14	0.15	0.16	0.16	0.22
Venezuela	0.69	0.70	0.73	0.79	0.80	0.81	0.82	0.86
Central America	0.18	0.19	0.20	0.20	0.22	0.22	0.24	0.26
Other Caribbean	0.79	0.82	0.85	0.87	0.89	1.02	1.06	1.13
Other South America	0.11	0.13	0.14	0.14	0.15	0.16	0.18	0.19
Total S. & Cent. America	**4.80**	**5.08**	**5.29**	**5.61**	**5.86**	**6.24**	**6.58**	**7.12**
Austria	0.67	0.70	0.71	0.76	0.79	0.90	0.90	0.93
Belgium	1.49	1.43	1.50	1.68	1.84	1.94	1.91	2.03
Bulgaria	0.43	0.46	0.54	0.60	0.67	0.75	0.78	0.81
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04
Czech Republic	1.69	1.70	1.67	1.74	1.82	1.90	1.99	2.00
Denmark	0.60	0.68	0.68	0.72	0.82	0.87	0.83	0.87
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	0.41	0.47	0.49	0.53	0.59	0.65	0.66	0.70
France	4.68	4.79	5.11	5.39	5.94	6.45	6.71	7.18
Germany	10.68	10.71	10.68	11.40	12.30	12.99	13.11	13.56
Greece	0.28	0.31	0.34	0.36	0.38	0.42	0.50	0.56
Hungary	0.67	0.67	0.64	0.67	0.72	0.77	0.80	0.82
Iceland	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Ireland	0.24	0.27	0.30	0.34	0.35	0.27	0.28	0.30
Italy	3.31	3.60	3.90	4.22	4.54	5.02	5.29	5.54
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	0.15	0.14	0.14	0.15	0.17	0.17	0.17	0.17
Netherlands	1.49	1.60	1.69	1.89	2.11	2.38	2.50	2.91
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	0.74	0.76	0.82	0.92	0.92	0.96	1.01	1.07
Poland	2.79	2.85	2.93	3.15	3.37	3.56	3.67	3.87
Portugal	0.18	0.19	0.21	0.21	0.23	0.27	0.30	0.33
Romania	1.00	1.07	1.19	1.27	1.46	1.55	1.65	1.74
Slovakia	0.38	0.40	0.40	0.44	0.46	0.51	0.55	0.57
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	1.20	1.36	1.47	1.54	1.74	1.89	2.07	2.24
Sweden	1.38	1.48	1.51	1.62	1.62	1.72	1.75	1.80
Switzerland	0.64	0.69	0.73	0.77	0.80	0.88	0.90	0.89
Turkey	0.33	0.38	0.39	0.45	0.49	0.53	0.58	0.65
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	8.33	8.37	8.37	8.67	8.99	9.18	9.01	9.14
Other Europe	0.66	0.70	0.71	0.78	0.83	0.91	1.07	1.11
Total Europe	**44.48**	**45.82**	**47.17**	**50.33**	**53.99**	**57.50**	**59.05**	**61.87**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	24.85	26.42	27.77	28.81	30.07	31.63	33.19	34.88
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**24.85**	**26.42**	**27.77**	**28.81**	**30.07**	**31.63**	**33.19**	**34.88**
Iran	0.36	0.39	0.43	0.47	0.51	0.61	0.66	0.75
Iraq	0.07	0.08	0.08	0.09	0.10	0.13	0.14	0.17
Israel	0.17	0.18	0.18	0.19	0.20	0.21	0.22	0.23

Kuwait	0.29	0.31	0.31	0.33	0.34	0.27	0.27	0.31
Oman	0.02	0.02	0.02	0.02	0.02	0.02	0.06	0.06
Qatar	0.01	0.01	0.01	0.02	0.04	0.04	0.04	0.05
Saudi Arabia	0.85	0.86	0.87	0.88	0.90	0.95	0.95	1.02
United Arab Emirates	^	^	0.02	0.03	0.03	0.03	0.05	0.06
Other Middle East	0.25	0.26	0.27	0.29	0.31	0.31	0.33	0.33
Total Middle East	**2.02**	**2.10**	**2.20**	**2.32**	**2.44**	**2.58**	**2.73**	**2.97**
Algeria	0.09	0.11	0.10	0.11	0.12	0.13	0.14	0.16
Egypt	0.33	0.35	0.30	0.32	0.26	0.33	0.34	0.37
Morocco	0.06	0.08	0.09	0.09	0.10	0.11	0.12	0.12
South Africa	1.28	1.28	1.34	1.41	1.45	1.52	1.63	1.69
Eastern Africa	0.37	0.41	0.42	0.44	0.46	0.52	0.55	0.58
Middle Africa	0.13	0.14	0.14	0.14	0.15	0.16	0.18	0.19
Western Africa	0.19	0.20	0.21	0.21	0.24	0.26	0.34	0.37
Other Northern Africa	0.06	0.07	0.07	0.08	0.09	0.11	0.10	0.13
Other Southern Africa	^	^	^	^	^	0.01	0.01	0.01
Total Africa	**2.51**	**2.64**	**2.66**	**2.81**	**2.88**	**3.14**	**3.41**	**3.62**
Australia	1.46	1.60	1.70	1.80	1.87	2.05	2.15	2.25
Bangladesh	n/a	n/a	n/a	n/a	n/a	n/a	0.03	0.06
China	5.52	6.00	5.39	5.45	6.63	8.49	10.06	10.85
China Hong Kong SAR	0.09	0.10	0.12	0.13	0.15	0.17	0.17	0.20
India	2.22	2.29	2.36	2.52	2.79	2.73	2.84	2.99
Indonesia	0.30	0.30	0.30	0.32	0.36	0.38	0.37	0.39
Japan	6.52	7.20	8.25	9.20	10.49	11.73	12.49	13.08
Malaysia	0.10	0.12	0.12	0.13	0.13	0.15	0.16	0.18
New Zealand	0.30	0.32	0.32	0.33	0.33	0.37	0.39	0.42
Pakistan	0.29	0.30	0.33	0.37	0.37	0.37	0.36	0.32
Philippines	0.20	0.21	0.24	0.27	0.29	0.33	0.38	0.37
Singapore	0.17	0.20	0.24	0.29	0.29	0.31	0.27	0.34
South Korea	0.27	0.33	0.37	0.43	0.52	0.60	0.65	0.68
Sri Lanka	0.02	0.02	0.02	0.03	0.03	0.05	0.05	0.05
Taiwan	0.25	0.27	0.29	0.34	0.35	0.39	0.48	0.52
Thailand	0.11	0.13	0.15	0.19	0.20	0.24	0.27	0.32
Vietnam	0.11	0.19	0.26	0.26	0.31	0.33	0.29	0.28
Other Asia Pacific	0.69	0.73	0.79	0.85	0.90	0.96	1.06	1.10
Total Asia Pacific	**18.62**	**20.29**	**21.25**	**22.90**	**26.03**	**29.64**	**32.46**	**34.38**
Total World	**155.69**	**164.10**	**170.27**	**180.65**	**192.86**	**205.01**	**213.36**	**224.93**
of which: OECD	109.75	115.21	119.76	127.76	136.31	143.81	147.70	155.28
Non-OECD	45.94	48.89	50.52	52.88	56.54	61.20	65.66	69.66
European Union #	42.09	43.28	44.51	47.39	50.93	54.20	55.46	58.12

* In this review, primary energy comprises commercially traded fuels, including modern renewables used to generate electricity. Energy from all sources of non-fossil power generation is accounted for on an input-equivalent basis. See the appendix or bp.com/

^ Less than 0.005.

◆ Less than 0.05%.

n/a not available.

USSR includes CIS, Georgia, Ukraine and the Baltic States.

Excludes Estonia, Latvia and Lithuania prior to 1985 and Slovenia prior to 1990.

Contents

1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
7.86	8.10	7.96	8.44	8.94	9.05	9.33	9.52	9.41	9.09	9.03
1.81	2.00	2.13	2.27	2.39	2.70	2.98	3.25	3.59	3.74	3.70
73.98	72.12	70.36	74.19	76.14	76.49	77.39	74.58	72.40	69.38	69.07
83.66	**82.22**	**80.45**	**84.90**	**87.48**	**88.24**	**89.70**	**87.35**	**85.40**	**82.21**	**81.80**
1.37	1.43	1.39	1.47	1.53	1.56	1.66	1.66	1.60	1.64	1.71
2.38	2.60	2.75	3.02	3.23	3.56	3.85	3.93	3.83	4.02	4.10
0.35	0.34	0.31	0.32	0.34	0.36	0.37	0.38	0.39	0.36	0.37
0.48	0.53	0.54	0.57	0.58	0.62	0.66	0.67	0.68	0.72	0.75
0.07	0.08	0.08	0.08	0.10	0.11	0.11	0.14	0.15	0.17	0.17
0.28	0.33	0.34	0.34	0.35	0.34	0.36	0.38	0.40	0.40	0.36
0.22	0.21	0.17	0.19	0.20	0.20	0.18	0.17	0.18	0.21	0.21
0.99	1.02	1.06	1.16	1.29	1.32	1.46	1.63	1.69	1.73	1.72
0.27	0.28	0.30	0.32	0.32	0.33	0.34	0.33	0.34	0.34	0.34
1.22	1.21	1.18	1.20	1.26	1.29	1.33	1.50	1.52	1.33	1.28
0.20	0.19	0.21	0.21	0.22	0.25	0.26	0.28	0.26	0.25	0.24
7.82	**8.22**	**8.33**	**8.89**	**9.42**	**9.95**	**10.58**	**11.07**	**11.05**	**11.15**	**11.23**
1.00	1.00	1.00	1.03	1.03	1.08	1.14	1.14	1.10	1.06	1.06
2.05	1.98	1.86	1.98	1.98	2.07	2.13	2.03	1.93	1.85	1.79
0.84	0.86	0.95	1.01	1.06	1.10	1.14	1.21	1.19	1.22	1.22
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
2.02	2.04	2.12	2.18	2.25	2.28	2.31	2.23	2.22	2.19	2.19
0.84	0.77	0.76	0.83	0.85	0.86	0.86	0.84	0.75	0.72	0.68
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0.77	0.74	0.75	0.80	0.84	0.88	0.95	0.94	0.95	0.94	0.93
7.80	7.65	7.20	7.68	7.76	8.11	8.35	8.25	8.15	7.85	8.04
14.34	14.09	13.53	14.44	14.40	14.92	15.75	15.23	14.76	14.23	14.44
0.64	0.63	0.71	0.79	0.82	0.83	0.73	0.72	0.71	0.71	0.72
0.89	0.92	0.97	1.04	1.09	1.17	1.16	1.16	1.15	1.15	1.13
0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06
0.31	0.32	0.30	0.31	0.33	0.34	0.37	0.36	0.35	0.35	0.34
5.79	5.79	5.66	5.98	5.99	6.14	6.34	6.17	6.05	5.92	5.80
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0.18	0.18	0.15	0.15	0.14	0.15	0.15	0.14	0.12	0.11	0.10
3.09	2.94	2.96	3.23	3.17	3.23	3.34	3.14	2.98	2.75	2.76
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1.14	1.14	1.16	1.24	1.15	1.29	1.38	1.31	1.38	1.36	1.50
3.94	4.07	4.39	4.63	4.82	5.06	5.14	5.38	4.85	4.94	4.96
0.36	0.38	0.38	0.37	0.42	0.44	0.47	0.46	0.45	0.49	0.50
1.89	1.90	2.07	2.24	2.37	2.55	2.60	2.63	2.63	2.61	2.59
0.60	0.63	0.66	0.68	0.72	0.75	0.77	0.79	0.78	0.77	0.77
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2.46	2.56	2.63	2.82	2.91	2.92	3.15	3.17	3.20	3.20	3.27
1.90	1.76	1.87	1.99	1.96	2.28	2.41	2.26	2.24	2.13	2.11
0.98	0.94	0.97	0.93	1.03	1.01	1.01	1.08	1.08	1.06	1.10
0.74	0.75	0.84	0.94	1.03	1.09	1.03	1.07	1.08	1.17	1.22
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9.59	9.11	8.59	8.76	8.93	8.98	9.40	8.56	8.32	8.21	8.25
1.17	1.29	1.30	1.39	1.49	1.62	1.76	1.71	1.70	1.77	1.91
65.43	**64.53**	**63.88**	**67.51**	**68.64**	**71.27**	**73.93**	**72.08**	**70.21**	**68.89**	**69.52**
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
36.67	38.70	40.62	42.19	44.08	45.98	47.24	48.29	49.32	50.55	51.62
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
36.67	**38.70**	**40.62**	**42.19**	**44.08**	**45.98**	**47.24**	**48.29**	**49.32**	**50.55**	**51.62**
0.90	1.01	1.18	1.33	1.51	1.47	1.59	1.47	1.47	1.66	1.97
0.17	0.16	0.18	0.23	0.24	0.23	0.29	0.34	0.34	0.36	0.39
0.24	0.24	0.25	0.26	0.27	0.29	0.32	0.34	0.35	0.36	0.36

0.30	0.29	0.26	0.31	0.32	0.35	0.42	0.32	0.40	0.40	0.44
0.06	0.05	0.05	0.05	0.05	0.06	0.07	0.06	0.06	0.09	0.08
0.06	0.06	0.08	0.05	0.08	0.07	0.18	0.21	0.19	0.24	0.25
1.08	1.15	0.91	1.05	1.24	1.39	1.68	1.51	1.80	1.99	2.15
0.07	0.08	0.09	0.11	0.18	0.21	0.24	0.39	0.46	0.49	0.47
0.37	0.41	0.45	0.51	0.56	0.60	0.69	0.66	0.69	0.81	0.87
3.25	**3.46**	**3.46**	**3.91**	**4.45**	**4.66**	**5.47**	**5.30**	**5.77**	**6.39**	**6.99**
0.19	0.21	0.25	0.30	0.32	0.41	0.53	0.64	0.77	0.89	0.98
0.35	0.40	0.44	0.53	0.57	0.61	0.66	0.76	0.86	0.96	1.04
0.14	0.15	0.15	0.16	0.18	0.19	0.22	0.22	0.21	0.22	0.22
1.82	1.87	1.99	2.08	2.13	2.11	2.18	2.32	2.71	2.91	2.95
0.61	0.64	0.62	0.67	0.67	0.66	0.68	0.68	0.67	0.66	0.66
0.21	0.22	0.20	0.20	0.21	0.23	0.24	0.25	0.26	0.25	0.28
0.41	0.43	0.46	0.56	0.60	0.64	0.74	0.79	0.82	0.86	0.79
0.18	0.19	0.22	0.25	0.29	0.32	0.42	0.43	0.46	0.47	0.50
0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.04	0.04	0.03
3.91	**4.10**	**4.34**	**4.76**	**5.00**	**5.19**	**5.69**	**6.11**	**6.81**	**7.27**	**7.46**
2.40	2.55	2.60	2.69	2.82	2.89	3.00	3.02	3.05	3.05	3.05
0.07	0.07	0.08	0.10	0.10	0.11	0.12	0.13	0.13	0.15	0.14
11.45	11.81	13.22	13.92	15.18	16.65	17.15	17.48	17.25	18.01	19.17
0.21	0.21	0.20	0.23	0.25	0.26	0.27	0.28	0.29	0.32	0.34
3.05	3.23	3.47	3.64	3.85	4.00	4.22	4.35	4.82	4.78	5.03
0.44	0.47	0.57	0.60	0.80	0.88	1.01	1.08	1.17	1.20	1.27
14.53	14.59	13.93	14.44	14.55	15.16	15.75	15.28	15.07	14.47	14.66
0.20	0.20	0.21	0.23	0.25	0.35	0.43	0.46	0.47	0.51	0.58
0.43	0.44	0.44	0.46	0.47	0.46	0.47	0.47	0.47	0.48	0.50
0.34	0.36	0.39	0.39	0.43	0.46	0.50	0.55	0.59	0.65	0.70
0.43	0.40	0.44	0.45	0.49	0.51	0.53	0.52	0.52	0.51	0.55
0.32	0.32	0.31	0.37	0.37	0.38	0.40	0.40	0.46	0.45	0.48
0.84	0.87	0.96	1.07	1.23	1.38	1.59	1.63	1.71	1.71	1.86
0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08
0.61	0.58	0.64	0.78	0.85	1.01	1.07	1.13	1.06	1.06	1.20
0.34	0.36	0.39	0.42	0.46	0.50	0.53	0.53	0.53	0.55	0.60
0.30	0.22	0.25	0.14	0.15	0.16	0.17	0.19	0.19	0.21	0.22
1.13	1.21	1.24	1.31	1.39	1.46	1.58	1.69	1.75	1.82	1.89
37.13	**37.93**	**39.39**	**41.29**	**43.69**	**46.66**	**48.83**	**49.26**	**49.60**	**49.99**	**52.31**
237.88	**239.16**	**240.46**	**253.45**	**262.75**	**271.95**	**281.45**	**279.46**	**278.16**	**276.46**	**280.94**
163.94	161.68	158.45	166.99	170.83	174.73	179.58	174.98	171.08	165.89	166.36
73.95	77.48	82.01	86.46	91.92	97.22	101.86	104.49	107.07	110.56	114.58
61.38	60.37	59.57	62.98	63.90	66.22	68.71	66.87	64.94	63.49	63.76

'statisticalreview for more details on this methodology.

1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
9.62	9.92	9.95	10.29	10.71	10.82	10.62	10.64	10.91	11.15	11.56
3.88	4.07	3.95	4.08	4.11	4.34	4.56	4.74	4.82	4.85	5.13
72.74	72.56	73.00	75.48	78.93	80.81	80.99	80.88	82.09	83.81	85.37
86.24	**86.55**	**86.90**	**89.84**	**93.75**	**95.96**	**96.18**	**96.26**	**97.82**	**99.80**	**102.06**
1.71	1.66	1.84	1.92	1.95	1.87	1.85	1.87	2.01	2.07	2.11
4.40	4.69	5.00	5.15	5.34	5.45	5.36	5.57	5.83	6.09	6.40
0.38	0.39	0.41	0.43	0.48	0.53	0.55	0.62	0.69	0.73	0.76
0.77	0.80	0.83	0.90	0.90	0.95	0.89	0.92	0.96	1.06	1.14
0.18	0.22	0.23	0.23	0.27	0.28	0.29	0.32	0.32	0.33	0.36
0.37	0.37	0.40	0.43	0.42	0.38	0.38	0.38	0.37	0.40	0.43
0.21	0.21	0.22	0.21	0.23	0.23	0.25	0.25	0.26	0.28	0.30
1.75	1.80	1.93	1.93	2.01	2.02	2.15	2.16	2.34	2.31	2.51
0.34	0.35	0.36	0.38	0.38	0.41	0.42	0.44	0.49	0.52	0.55
1.35	1.27	1.25	1.30	1.32	1.37	1.35	1.32	1.25	1.25	1.31
0.24	0.28	0.37	0.44	0.47	0.51	0.55	0.58	0.59	0.64	0.72
11.71	**12.05**	**12.83**	**13.32**	**13.75**	**13.99**	**14.04**	**14.42**	**15.10**	**15.68**	**16.59**
1.05	1.11	1.12	1.18	1.16	1.17	1.19	1.25	1.22	1.24	1.24
1.87	1.95	2.01	2.07	2.11	2.13	2.26	2.34	2.33	2.29	2.42
1.22	1.21	1.23	1.24	1.27	1.26	1.16	0.94	0.89	0.94	0.91
n/a	n/a	n/a	n/a	n/a	n/a	0.36	0.30	0.29	0.30	0.30
0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.09
2.27	2.27	2.30	2.35	2.36	2.29	1.96	1.79	1.74	1.72	1.68
0.70	0.78	0.80	0.77	0.76	0.70	0.73	0.84	0.78	0.83	0.89
n/a	0.43	0.42	0.43	0.42	0.44	0.43	0.39	0.28	0.22	0.23
0.97	1.02	1.03	1.08	1.08	1.08	1.15	1.17	1.17	1.18	1.24
8.31	8.58	8.79	8.94	9.06	9.18	9.46	10.06	10.14	10.13	10.00
14.96	15.40	15.27	15.40	15.45	15.29	15.05	14.68	14.38	14.32	14.19
0.75	0.79	0.79	0.87	0.92	1.00	1.05	1.06	1.07	1.09	1.11
1.16	1.20	1.19	1.25	1.22	1.18	1.17	1.10	1.03	1.02	1.03
0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.07	0.08	0.08	0.08
0.34	0.36	0.39	0.39	0.39	0.40	0.42	0.44	0.44	0.45	0.47
5.89	5.87	6.03	6.21	6.36	6.55	6.57	6.72	6.72	6.61	6.60
n/a	0.38	0.35	0.32	0.30	0.30	0.31	0.28	0.20	0.18	0.17
n/a	0.65	0.60	0.63	0.66	0.71	0.72	0.76	0.47	0.37	0.32
0.11	0.12	0.11	0.11	0.11	0.13	0.13	0.14	0.14	0.15	0.14
2.87	2.96	3.11	3.17	3.18	3.20	3.28	3.34	3.38	3.41	3.37
n/a	n/a	n/a	n/a	n/a	n/a	0.11	0.11	0.11	0.11	0.10
1.52	1.50	1.47	1.54	1.59	1.69	1.70	1.57	1.66	1.71	1.65
5.16	5.28	5.43	5.60	5.50	5.29	4.36	4.26	4.08	4.07	3.90
0.52	0.53	0.57	0.58	0.64	0.70	0.71	0.73	0.74	0.76	0.79
2.57	2.57	2.62	2.72	2.77	2.77	2.64	2.24	1.97	1.92	1.81
0.83	0.86	0.85	0.87	0.88	0.89	0.89	0.80	0.77	0.75	0.74
n/a	n/a	n/a	n/a	n/a	n/a	0.25	0.25	0.23	0.24	0.25
3.32	3.29	3.36	3.49	3.64	3.82	3.82	3.95	4.15	4.01	4.20
2.23	2.43	2.52	2.46	2.41	2.35	2.39	2.27	2.28	2.26	2.26
1.07	1.14	1.20	1.19	1.20	1.12	1.17	1.20	1.22	1.21	1.28
1.28	1.38	1.51	1.71	1.88	1.85	2.01	2.05	2.15	2.34	2.27
n/a	9.99	10.04	10.25	10.26	9.81	11.42	10.57	9.21	7.80	6.59
8.24	8.59	8.83	8.82	8.93	8.94	9.01	9.20	9.14	9.25	9.13
1.99	2.54	2.67	2.70	2.79	2.71	1.91	1.68	1.47	1.27	1.09
71.32	**85.29**	**86.73**	**88.49**	**89.41**	**89.08**	**89.93**	**88.63**	**86.02**	**84.31**	**82.51**
n/a	0.84	0.91	0.88	0.88	0.90	0.94	0.90	0.77	0.67	0.61
n/a	1.47	1.68	1.70	1.73	1.67	1.60	1.58	1.50	1.20	1.00
n/a	2.86	2.93	2.99	3.10	3.05	3.09	3.09	3.05	2.69	2.39
n/a	34.27	34.88	36.02	36.65	36.79	36.14	35.64	34.30	31.97	29.16
n/a	0.52	0.64	0.64	0.64	0.66	0.55	0.56	0.54	0.44	0.47
53.55	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	1.73	1.71	1.74	1.85	1.88	1.83	1.85	1.76	1.90	1.86
n/a	1.40	1.34	1.38	1.52	1.46	1.47	1.22	1.03	0.82	0.69
53.55	**43.10**	**44.08**	**45.35**	**46.37**	**46.40**	**45.61**	**44.85**	**42.95**	**39.68**	**36.19**
2.13	2.32	2.18	2.33	2.46	2.70	3.04	3.30	3.62	3.34	3.75
0.43	0.51	0.57	0.68	0.79	0.89	0.82	0.55	0.87	1.18	1.35
0.37	0.36	0.38	0.42	0.45	0.46	0.48	0.50	0.54	0.57	0.63

0.47	0.46	0.52	0.49	0.55	0.60	0.29	0.16	0.30	0.40	0.49
0.12	0.12	0.11	0.13	0.12	0.14	0.18	0.23	0.22	0.22	0.20
0.28	0.28	0.31	0.31	0.29	0.30	0.31	0.35	0.54	0.57	0.58
2.58	2.63	2.82	2.99	3.13	3.08	3.34	3.50	3.53	3.61	4.17
0.59	0.73	0.89	0.99	1.09	1.23	1.25	1.52	1.47	1.53	1.68
0.94	0.98	1.00	1.05	1.08	1.10	1.16	1.23	1.28	1.32	1.36
7.90	**8.40**	**8.77**	**9.39**	**9.97**	**10.51**	**10.86**	**11.34**	**12.37**	**12.74**	**14.22**
0.94	0.94	1.00	1.03	1.10	1.07	1.13	1.12	1.15	1.07	1.09
1.14	1.18	1.21	1.26	1.30	1.38	1.42	1.44	1.44	1.45	1.48
0.23	0.23	0.24	0.25	0.26	0.29	0.30	0.30	0.34	0.34	0.38
3.22	3.29	3.35	3.40	3.75	3.58	3.70	3.68	3.69	3.69	3.85
0.66	0.68	0.72	0.72	0.78	0.79	0.89	0.85	0.83	0.88	0.89
0.27	0.30	0.30	0.30	0.32	0.34	0.31	0.29	0.30	0.30	0.29
0.73	0.78	0.77	0.80	0.86	0.90	0.88	0.94	1.01	1.02	1.01
0.50	0.56	0.57	0.63	0.64	0.69	0.68	0.67	0.67	0.71	0.78
0.04	0.04	0.04	0.04	0.05	0.05	0.08	0.09	0.10	0.10	0.10
7.71	**8.01**	**8.20**	**8.45**	**9.06**	**9.09**	**9.39**	**9.38**	**9.54**	**9.57**	**9.85**
3.19	3.21	3.32	3.41	3.57	3.74	3.81	3.78	3.82	3.93	4.09
0.16	0.17	0.19	0.21	0.23	0.25	0.27	0.26	0.28	0.31	0.33
20.56	22.24	23.31	25.14	27.00	28.33	28.70	30.15	31.75	34.19	36.29
0.35	0.36	0.38	0.42	0.48	0.51	0.50	0.52	0.61	0.67	0.61
5.37	5.67	6.07	6.46	7.03	7.67	8.24	8.69	9.13	9.36	9.86
1.37	1.46	1.62	1.71	1.81	2.00	2.20	2.39	2.62	2.77	2.96
15.92	16.02	16.04	16.37	17.41	18.01	18.61	19.07	19.30	19.57	20.33
0.63	0.63	0.70	0.72	0.77	0.86	0.93	1.12	1.21	1.26	1.38
0.53	0.54	0.58	0.59	0.62	0.56	0.66	0.67	0.67	0.69	0.73
0.74	0.78	0.82	0.92	0.98	1.04	1.09	1.15	1.21	1.34	1.39
0.50	0.48	0.49	0.53	0.58	0.63	0.66	0.64	0.74	0.76	0.81
0.50	0.51	0.59	0.62	0.72	0.82	0.98	1.00	1.07	1.17	1.34
2.03	2.24	2.51	2.78	3.11	3.38	3.82	4.33	4.88	5.35	5.77
0.08	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.10	0.10	0.12
1.27	1.48	1.61	1.73	1.89	2.01	2.14	2.26	2.38	2.52	2.67
0.66	0.70	0.74	0.85	0.95	1.10	1.30	1.43	1.58	1.80	2.02
0.22	0.22	0.24	0.27	0.27	0.25	0.27	0.28	0.30	0.35	0.39
1.92	2.05	2.07	2.02	2.05	2.02	1.98	1.93	1.75	1.68	1.61
55.99	**58.84**	**61.37**	**64.83**	**69.56**	**73.28**	**76.23**	**79.74**	**83.42**	**87.84**	**92.69**
294.42	**302.23**	**308.88**	**319.66**	**331.88**	**338.31**	**342.23**	**344.63**	**347.22**	**349.63**	**354.11**
174.15	178.24	180.26	185.35	191.65	195.10	196.37	197.94	199.72	202.54	205.99
120.27	123.99	128.63	134.32	140.23	143.21	145.86	146.69	147.50	147.09	148.11
65.42	68.69	69.80	71.04	71.66	71.86	71.57	71.41	70.15	69.83	69.50

1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
11.81	12.14	12.23	12.06	12.45	12.81	12.50	12.88	12.94	13.09	13.23
5.05	5.21	5.29	5.53	5.60	5.86	5.79	5.98	6.03	6.35	6.76
87.20	90.13	90.81	91.41	93.03	95.14	92.89	94.24	94.54	96.40	96.44
104.06	**107.47**	**108.34**	**109.00**	**111.07**	**113.81**	**111.18**	**113.10**	**113.50**	**115.84**	**116.42**
2.20	2.35	2.34	2.43	2.37	2.47	2.44	2.33	2.50	2.63	2.80
6.72	7.09	7.50	7.77	7.91	8.04	7.88	8.07	8.21	8.61	8.86
0.82	0.87	1.00	1.00	1.04	1.10	1.11	1.15	1.14	1.20	1.25
1.16	1.19	1.22	1.23	1.14	1.11	1.09	1.09	1.13	1.14	1.15
0.34	0.38	0.43	0.43	0.39	0.37	0.38	0.37	0.38	0.41	0.43
0.47	0.49	0.49	0.50	0.51	0.52	0.52	0.53	0.52	0.56	0.58
0.32	0.36	0.36	0.37	0.41	0.43	0.46	0.50	0.56	0.62	0.66
2.59	2.52	2.66	2.82	2.72	2.78	2.94	2.94	2.64	2.94	3.07
0.60	0.61	0.64	0.71	0.74	0.77	0.79	0.81	0.84	0.87	0.88
1.31	1.36	1.44	1.49	1.45	1.65	1.68	1.71	1.74	1.76	1.76
0.80	0.84	0.91	0.95	0.95	0.93	0.86	0.89	0.93	0.92	0.93
17.32	**18.07**	**19.00**	**19.70**	**19.64**	**20.17**	**20.17**	**20.38**	**20.59**	**21.65**	**22.36**
1.30	1.30	1.33	1.35	1.38	1.38	1.43	1.44	1.45	1.48	1.50
2.44	2.59	2.62	2.67	2.65	2.71	2.69	2.67	2.78	2.79	2.75
0.97	0.97	0.92	0.88	0.77	0.78	0.81	0.79	0.81	0.79	0.85
0.31	0.33	0.33	0.35	0.36	0.34	0.36	0.36	0.38	0.39	0.39
0.09	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.12	0.11	0.13
1.75	1.81	1.73	1.68	1.61	1.70	1.74	1.75	1.85	1.89	1.86
0.88	1.04	0.94	0.91	0.88	0.85	0.85	0.85	0.91	0.86	0.83
0.21	0.22	0.22	0.21	0.19	0.19	0.20	0.20	0.22	0.23	0.22
1.18	1.24	1.25	1.30	1.27	1.28	1.31	1.32	1.42	1.41	1.28
10.24	10.63	10.48	10.73	10.91	11.05	11.18	11.07	11.19	11.28	11.22
14.26	14.73	14.54	14.42	14.22	14.31	14.56	14.37	14.35	14.34	14.17
1.15	1.18	1.21	1.29	1.29	1.36	1.37	1.37	1.45	1.45	1.46
1.04	1.06	1.03	1.04	1.04	1.01	1.04	1.02	1.03	1.04	1.11
0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.12	0.12	0.12	0.12
0.48	0.50	0.52	0.56	0.60	0.62	0.66	0.65	0.64	0.65	0.67
6.87	6.88	6.98	7.16	7.39	7.49	7.53	7.47	7.72	7.86	7.86
0.16	0.15	0.15	0.16	0.14	0.13	0.14	0.15	0.14	0.16	0.17
0.35	0.38	0.35	0.38	0.32	0.28	0.33	0.35	0.36	0.37	0.33
0.12	0.13	0.12	0.12	0.13	0.13	0.14	0.16	0.16	0.19	0.19
3.51	3.66	3.59	3.62	3.57	3.62	3.76	3.76	3.79	3.91	3.99
0.10	0.12	0.11	0.12	0.12	0.11	0.10	0.10	0.11	0.11	0.12
1.75	1.61	1.70	1.76	1.81	2.00	1.81	1.88	1.67	1.70	1.93
3.99	4.19	4.15	3.97	3.90	3.66	3.64	3.60	3.72	3.75	3.83
0.87	0.89	0.91	0.99	1.02	1.05	1.06	1.06	1.08	1.06	1.06
1.99	1.97	1.87	1.71	1.50	1.50	1.52	1.58	1.58	1.63	1.64
0.75	0.76	0.74	0.75	0.75	0.78	0.80	0.81	0.78	0.76	0.80
0.27	0.28	0.28	0.29	0.28	0.28	0.29	0.29	0.29	0.30	0.30
4.36	4.53	4.78	5.01	5.17	5.46	5.71	5.78	6.12	6.37	6.42
2.29	2.23	2.30	2.49	2.42	2.23	2.40	2.25	2.16	2.32	2.38
1.21	1.17	1.25	1.26	1.31	1.28	1.37	1.27	1.26	1.24	1.19
2.53	2.76	2.89	2.97	2.89	3.09	2.81	3.07	3.25	3.48	3.56
6.35	6.12	5.77	5.65	5.67	5.69	5.62	5.57	5.70	5.71	5.73
9.16	9.61	9.44	9.54	9.49	9.57	9.68	9.46	9.60	9.65	9.75
1.11	1.22	1.31	1.33	1.21	1.30	1.36	1.42	1.50	1.63	1.61
84.12	**86.44**	**86.01**	**86.85**	**86.46**	**87.47**	**88.50**	**88.12**	**89.70**	**91.00**	**91.43**
0.58	0.47	0.45	0.45	0.45	0.47	0.46	0.45	0.49	0.55	0.60
0.91	0.93	0.94	0.92	0.89	0.92	0.90	0.92	0.92	1.03	1.03
2.15	1.87	1.65	1.55	1.46	1.34	1.51	1.55	1.70	1.81	1.90
27.59	26.56	25.11	25.07	25.38	25.84	26.24	26.14	26.68	26.91	26.88
0.39	0.56	0.43	0.54	0.51	0.43	0.54	0.46	0.63	0.63	0.64
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1.83	1.88	1.86	1.87	2.11	2.14	2.15	2.20	2.04	2.07	2.01
0.60	0.65	0.61	0.61	0.58	0.56	0.55	0.55	0.58	0.63	0.65
34.04	**32.93**	**31.06**	**31.01**	**31.39**	**31.71**	**32.35**	**32.27**	**33.05**	**33.62**	**33.70**
3.97	4.29	4.44	4.59	4.90	5.15	5.43	5.91	6.03	6.62	7.10
1.33	1.38	1.61	1.13	0.85	1.08	1.22	1.15	1.06	1.13	1.09
0.70	0.74	0.72	0.77	0.80	0.84	0.84	0.85	0.87	0.88	0.91

0.61	0.61	0.63	0.77	0.79	0.83	0.84	0.86	1.01	1.13	1.25
0.24	0.24	0.25	0.26	0.30	0.41	0.46	0.50	0.51	0.48	0.57
0.58	0.43	0.46	0.49	0.55	0.48	0.47	0.53	0.60	0.70	0.81
4.07	4.21	4.29	4.51	4.59	4.81	5.12	5.33	5.65	6.13	6.53
1.75	1.81	1.89	1.93	1.95	1.94	1.96	2.14	2.29	2.44	2.55
1.46	1.48	1.62	1.72	1.73	1.75	1.80	1.87	1.95	2.01	2.19
14.71	**15.19**	**15.91**	**16.17**	**16.46**	**17.29**	**18.13**	**19.13**	**19.97**	**21.52**	**23.00**
1.13	1.12	1.07	1.11	1.12	1.08	1.12	1.16	1.21	1.26	1.32
1.57	1.65	1.72	1.79	1.92	2.04	2.14	2.18	2.31	2.42	2.54
0.37	0.38	0.40	0.41	0.43	0.42	0.46	0.47	0.47	0.53	0.58
4.02	4.10	4.19	4.12	4.26	4.26	4.29	4.17	4.52	4.94	4.68
0.91	0.91	0.95	1.01	1.03	1.04	1.12	1.15	1.13	1.23	1.27
0.30	0.30	0.30	0.29	0.30	0.33	0.37	0.39	0.43	0.48	0.48
1.03	1.12	1.11	1.14	1.14	1.22	1.32	1.44	1.43	1.48	1.52
0.82	0.84	0.87	0.91	0.90	0.97	0.99	0.98	1.01	1.10	1.12
0.11	0.10	0.11	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.14
10.25	**10.53**	**10.73**	**10.90**	**11.23**	**11.49**	**11.94**	**12.08**	**12.65**	**13.55**	**13.65**
4.19	4.30	4.41	4.51	4.71	4.73	4.77	4.84	4.92	5.08	5.06
0.39	0.40	0.42	0.45	0.46	0.49	0.56	0.58	0.61	0.63	0.68
37.41	39.36	39.58	39.64	41.03	42.45	44.84	48.84	56.88	66.55	75.60
0.65	0.65	0.66	0.67	0.68	0.71	0.90	0.88	0.91	1.01	0.97
10.60	11.03	11.65	12.35	12.68	13.34	13.41	14.03	14.57	15.63	16.56
3.16	3.37	3.65	3.59	3.92	4.26	4.51	4.71	5.07	5.05	5.17
21.13	21.53	21.92	21.44	21.82	22.06	21.85	21.78	21.70	21.96	22.35
1.44	1.61	1.87	1.74	1.97	2.20	2.21	2.36	2.57	2.74	2.92
0.76	0.77	0.77	0.77	0.78	0.81	0.80	0.83	0.81	0.83	0.81
1.46	1.56	1.51	1.62	1.69	1.73	1.77	1.84	2.00	2.22	2.31
0.90	0.97	1.04	1.06	1.08	1.08	1.06	1.05	1.09	1.13	1.12
1.40	1.41	1.49	1.51	1.49	1.59	1.81	1.78	1.68	1.88	1.98
6.31	6.97	7.65	7.06	7.69	8.16	8.35	8.73	9.01	9.18	9.47
0.13	0.13	0.14	0.15	0.17	0.18	0.18	0.18	0.19	0.18	0.21
2.83	2.95	3.14	3.32	3.66	3.74	3.85	4.01	4.20	4.41	4.46
2.22	2.50	2.64	2.45	2.61	2.67	2.82	3.10	3.36	3.59	3.71
0.45	0.51	0.59	0.64	0.66	0.75	0.85	0.93	1.01	1.23	1.30
1.60	1.49	1.48	1.42	1.50	1.59	1.64	1.62	1.71	1.73	1.82
97.01	**101.51**	**104.62**	**104.39**	**108.60**	**112.55**	**116.18**	**122.11**	**132.27**	**145.04**	**156.51**
361.52	**372.13**	**375.67**	**378.02**	**384.85**	**394.50**	**398.45**	**407.18**	**421.74**	**442.23**	**457.08**
211.15	218.25	220.41	221.27	224.64	229.16	227.52	229.48	231.45	235.60	237.25
150.36	153.88	155.25	156.74	160.21	165.34	170.93	177.70	190.29	206.63	219.83
71.01	73.38	72.92	73.71	73.38	73.95	75.38	74.74	76.15	77.09	77.23

2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
13.06	13.52	13.46	12.74	13.01	13.61	13.47	13.88	14.03	13.99	13.94
6.97	7.01	7.16	7.10	7.31	7.66	7.71	7.74	7.70	7.69	7.79
95.66	97.00	94.60	89.92	92.97	92.09	89.69	92.10	93.05	92.15	92.02
115.69	**117.52**	**115.22**	**109.76**	**113.29**	**113.35**	**110.86**	**113.72**	**114.78**	**113.83**	**113.74**
2.94	3.07	3.13	3.07	3.23	3.29	3.38	3.52	3.51	3.59	3.58
9.08	9.63	10.06	9.98	10.98	11.48	11.69	12.13	12.40	12.23	11.92
1.33	1.36	1.35	1.32	1.33	1.44	1.48	1.49	1.46	1.50	1.57
1.29	1.29	1.39	1.33	1.42	1.49	1.59	1.61	1.70	1.71	1.81
0.45	0.48	0.51	0.50	0.55	0.58	0.62	0.64	0.67	0.67	0.66
0.59	0.64	0.69	0.71	0.80	0.91	0.92	0.94	0.96	1.02	1.09
0.77	0.80	0.79	0.78	0.84	0.83	0.81	0.83	0.82	0.80	0.71
3.41	3.43	3.55	3.53	3.33	3.48	3.62	3.53	3.41	3.29	2.99
0.92	0.97	0.99	0.97	1.01	1.06	1.10	1.11	1.15	1.25	1.30
1.80	1.75	1.69	1.57	1.56	1.58	1.57	1.54	1.52	1.56	1.61
0.93	1.00	1.02	1.05	1.10	1.12	1.15	1.19	1.15	1.19	1.27
23.52	**24.42**	**25.17**	**24.82**	**26.16**	**27.26**	**27.93**	**28.53**	**28.76**	**28.80**	**28.50**
1.49	1.45	1.48	1.43	1.48	1.39	1.45	1.44	1.38	1.39	1.43
2.76	2.78	2.82	2.64	2.81	2.62	2.52	2.58	2.40	2.44	2.63
0.87	0.84	0.83	0.73	0.76	0.80	0.76	0.71	0.75	0.80	0.76
0.38	0.39	0.38	0.38	0.38	0.34	0.31	0.34	0.34	0.32	0.34
0.12	0.13	0.13	0.13	0.12	0.12	0.11	0.10	0.10	0.10	0.11
1.90	1.88	1.84	1.76	1.84	1.80	1.78	1.75	1.71	1.68	1.66
0.92	0.87	0.83	0.78	0.82	0.78	0.72	0.75	0.72	0.70	0.71
0.22	0.25	0.24	0.21	0.26	0.26	0.27	0.28	0.27	0.25	0.25
1.37	1.37	1.32	1.22	1.33	1.24	1.20	1.21	1.16	1.15	1.18
11.12	10.92	10.95	10.34	10.65	10.24	10.22	10.31	9.87	9.92	9.76
14.51	13.89	14.03	13.15	13.71	13.20	13.37	13.75	13.17	13.40	13.62
1.50	1.53	1.48	1.43	1.36	1.33	1.26	1.19	1.12	1.13	1.11
1.09	1.07	1.06	0.97	0.99	0.99	0.91	0.87	0.87	0.92	0.93
0.14	0.16	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.21
0.69	0.71	0.71	0.64	0.64	0.61	0.60	0.59	0.59	0.62	0.65
7.83	7.68	7.57	7.07	7.28	7.12	6.92	6.59	6.23	6.37	6.43
0.16	0.16	0.16	0.16	0.18	0.16	0.16	0.16	0.14	0.15	0.16
0.32	0.35	0.35	0.32	0.24	0.24	0.25	0.23	0.22	0.23	0.23
0.19	0.18	0.18	0.17	0.18	0.18	0.17	0.16	0.16	0.15	0.15
3.91	3.98	3.93	3.87	4.10	3.92	3.79	3.68	3.47	3.52	3.58
0.12	0.12	0.11	0.11	0.12	0.12	0.11	0.11	0.10	0.10	0.11
1.77	1.90	1.95	1.80	1.74	1.76	1.95	1.82	1.87	1.89	1.91
4.02	4.00	4.07	3.92	4.18	4.20	4.08	4.09	3.93	3.98	4.15
1.05	1.06	1.02	1.03	1.08	1.03	0.94	1.03	1.03	1.03	1.08
1.67	1.61	1.62	1.41	1.42	1.46	1.40	1.31	1.35	1.36	1.36
0.78	0.73	0.75	0.69	0.73	0.70	0.67	0.69	0.64	0.65	0.65
0.31	0.30	0.33	0.31	0.31	0.30	0.29	0.29	0.29	0.27	0.28
6.51	6.64	6.45	5.97	6.11	6.00	5.97	5.65	5.54	5.61	5.66
2.24	2.26	2.23	2.04	2.16	2.13	2.26	2.12	2.11	2.18	2.14
1.24	1.23	1.27	1.26	1.23	1.17	1.23	1.26	1.21	1.18	1.11
3.95	4.21	4.22	4.28	4.50	4.81	5.11	5.07	5.23	5.72	6.01
5.81	5.78	5.59	4.75	5.08	5.27	5.14	4.88	4.29	3.55	3.72
9.63	9.35	9.18	8.72	8.94	8.45	8.55	8.51	8.02	8.11	8.01
1.65	1.60	1.64	1.66	1.78	1.75	1.64	1.73	1.59	1.69	1.79
92.23	**91.37**	**90.92**	**85.55**	**88.69**	**86.66**	**86.32**	**85.43**	**82.10**	**82.77**	**83.90**
0.59	0.53	0.54	0.47	0.47	0.52	0.54	0.55	0.56	0.62	0.61
1.10	1.07	1.08	1.03	1.09	1.08	1.17	1.03	1.07	0.97	0.96
2.01	2.24	2.36	2.13	2.30	2.53	2.62	2.66	2.70	2.66	2.70
28.04	28.21	28.34	26.92	27.99	28.92	28.98	28.61	28.71	28.14	28.76
0.64	0.62	0.51	0.83	0.90	1.00	1.09	0.97	1.00	1.20	1.19
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1.87	1.99	1.87	1.88	1.86	1.95	1.90	1.91	1.99	1.89	1.78
0.66	0.70	0.68	0.65	0.67	0.71	0.74	0.71	0.72	0.72	0.72
34.90	**35.36**	**35.37**	**33.92**	**35.28**	**36.71**	**37.04**	**36.43**	**36.74**	**36.19**	**36.73**
7.75	8.30	8.62	8.91	8.94	9.34	9.41	9.85	10.28	10.22	10.79
1.11	1.18	1.22	1.36	1.45	1.54	1.63	1.76	1.68	1.68	1.94
0.91	0.96	0.98	0.94	0.99	1.02	1.06	0.98	0.97	1.02	1.04

1.18	1.14	1.25	1.30	1.41	1.42	1.57	1.63	1.49	1.62	1.69
0.63	0.62	0.73	0.73	0.86	0.94	1.03	1.15	1.14	1.21	1.21
0.85	0.93	1.03	1.04	1.21	1.40	1.59	1.71	1.84	2.05	2.00
6.78	7.08	7.72	8.13	8.92	9.20	9.76	9.80	10.50	10.83	10.98
2.68	2.96	3.39	3.35	3.51	3.70	3.89	4.09	4.08	4.48	4.66
2.28	2.36	2.45	2.45	2.45	2.31	2.19	2.09	2.07	1.93	1.93
24.17	**25.54**	**27.38**	**28.22**	**29.74**	**30.86**	**32.12**	**33.06**	**34.05**	**35.04**	**36.23**
1.37	1.44	1.52	1.62	1.57	1.67	1.83	1.93	2.11	2.22	2.22
2.66	2.82	3.00	3.12	3.28	3.33	3.50	3.48	3.47	3.55	3.74
0.59	0.59	0.65	0.63	0.70	0.73	0.75	0.77	0.78	0.79	0.80
4.77	4.90	5.25	5.24	5.29	5.21	5.14	5.15	5.22	5.05	5.30
1.31	1.37	1.36	1.43	1.56	1.63	1.65	1.81	1.98	2.05	2.04
0.53	0.54	0.61	0.65	0.70	0.76	0.78	0.84	0.89	0.89	0.91
1.39	1.49	1.60	1.50	1.58	1.73	1.80	1.81	1.87	2.15	2.20
1.13	1.10	1.15	1.22	1.25	0.90	1.08	1.17	1.15	1.00	0.97
0.14	0.15	0.15	0.16	0.15	0.16	0.17	0.18	0.20	0.20	0.20
13.89	**14.38**	**15.30**	**15.57**	**16.07**	**16.13**	**16.69**	**17.14**	**17.66**	**17.91**	**18.38**
5.37	5.43	5.52	5.48	5.50	5.70	5.63	5.67	5.75	5.84	5.88
0.74	0.76	0.80	0.88	0.90	0.98	1.05	1.08	1.13	1.32	1.34
82.88	90.09	93.44	97.52	104.28	112.54	117.05	121.37	124.20	125.38	126.95
1.03	1.09	1.02	1.11	1.16	1.19	1.14	1.17	1.14	1.18	1.21
17.41	18.93	20.00	21.52	22.55	23.88	25.11	26.08	27.86	28.77	30.07
5.25	5.63	5.56	5.76	6.32	6.90	7.27	7.57	7.09	7.10	7.30
22.28	22.06	21.75	19.83	21.13	20.06	19.92	19.75	19.24	18.97	18.65
3.04	3.24	3.36	3.25	3.35	3.47	3.73	3.90	3.94	4.00	4.21
0.81	0.81	0.81	0.81	0.83	0.83	0.84	0.84	0.88	0.89	0.89
2.43	2.59	2.60	2.64	2.65	2.65	2.47	2.88	2.77	2.92	3.19
1.09	1.13	1.17	1.18	1.22	1.24	1.28	1.38	1.45	1.59	1.73
2.17	2.33	2.48	2.67	2.87	2.99	3.00	3.06	3.15	3.35	3.48
9.63	9.93	10.12	10.16	10.94	11.43	11.54	11.55	11.64	11.87	12.16
0.22	0.23	0.21	0.22	0.24	0.25	0.25	0.25	0.23	0.29	0.31
4.55	4.74	4.49	4.42	4.66	4.61	4.61	4.71	4.82	4.77	4.85
3.77	3.94	3.99	4.13	4.39	4.56	4.87	4.95	5.09	5.25	5.36
1.19	1.30	1.62	1.65	1.87	2.13	2.24	2.39	2.61	2.90	3.11
1.88	1.84	1.92	1.76	1.94	1.93	2.02	1.99	2.16	2.25	2.44
165.75	**176.08**	**180.88**	**184.99**	**196.80**	**207.33**	**214.02**	**220.60**	**225.15**	**228.63**	**233.13**
470.14	**484.67**	**490.23**	**482.82**	**506.02**	**518.31**	**524.98**	**534.91**	**539.25**	**543.17**	**550.60**
237.62	238.98	236.37	224.69	233.04	230.63	228.16	230.26	228.31	228.75	229.64
232.53	245.69	253.86	258.13	272.99	287.68	296.82	304.65	310.94	314.42	320.96
77.61	76.46	76.02	71.58	74.15	71.69	71.04	70.45	67.71	68.52	69.14

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			Growth rate per annum		Share
2017	2018	**2019**	2019	2008-18	2019
14.11	14.35	**14.21**	-0.9%	0.6%	2.4%
7.90	7.83	**7.72**	-1.4%	0.9%	1.3%
92.33	95.60	**94.65**	-1.0%	0.1%	16.2%
114.34	**117.79**	**116.58**	**-1.0%**	**0.2%**	**20.0%**
3.57	3.54	**3.46**	-2.2%	1.3%	0.6%
12.06	12.13	**12.40**	2.2%	1.9%	2.1%
1.58	1.66	**1.66**	-0.3%	2.1%	0.3%
1.84	1.85	**1.92**	3.9%	2.9%	0.3%
0.69	0.73	**0.74**	2.5%	3.6%	0.1%
1.09	1.14	**1.16**	1.8%	5.1%	0.2%
0.75	0.71	**0.71**	♦	-1.0%	0.1%
2.86	2.45	**2.23**	-9.3%	-3.6%	0.4%
1.34	1.40	**1.42**	1.5%	3.5%	0.2%
1.57	1.63	**1.68**	3.0%	-0.3%	0.3%
1.27	1.28	**1.22**	-4.7%	2.2%	0.2%
28.61	**28.53**	**28.61**	**0.3%**	**1.3%**	**4.9%**
1.47	1.44	**1.50**	4.3%	-0.3%	0.3%
2.66	2.59	**2.71**	4.8%	-0.9%	0.5%
0.77	0.77	**0.75**	-3.3%	-0.7%	0.1%
0.34	0.35	**0.34**	-3.4%	-0.9%	0.1%
0.12	0.12	**0.12**	0.1%	-1.0%	♦
1.73	1.73	**1.71**	-1.3%	-0.6%	0.3%
0.71	0.70	**0.70**	-0.5%	-1.7%	0.1%
0.28	0.30	**0.24**	-19.6%	2.2%	♦
1.14	1.15	**1.10**	-4.3%	-1.4%	0.2%
9.70	9.87	**9.68**	-1.9%	-1.0%	1.7%
13.78	13.44	**13.14**	-2.2%	-0.4%	2.3%
1.17	1.16	**1.15**	-1.3%	-2.4%	0.2%
0.98	0.98	**0.99**	1.0%	-0.7%	0.2%
0.22	0.23	**0.22**	-4.2%	1.6%	♦
0.65	0.67	**0.66**	-0.3%	-0.6%	0.1%
6.49	6.53	**6.37**	-2.4%	-1.5%	1.1%
0.17	0.16	**0.16**	2.0%	-0.5%	♦
0.24	0.25	**0.24**	-0.5%	-3.4%	♦
0.16	0.17	**0.17**	2.2%	-0.7%	♦
3.53	3.53	**3.51**	-0.4%	-1.1%	0.6%
0.11	0.10	**0.11**	7.0%	-0.8%	♦
1.92	1.90	**1.77**	-7.2%	-0.2%	0.3%
4.32	4.38	**4.28**	-2.4%	0.7%	0.7%
1.07	1.08	**1.04**	-3.2%	0.5%	0.2%
1.38	1.41	**1.37**	-2.7%	-1.4%	0.2%
0.69	0.68	**0.66**	-3.1%	-1.0%	0.1%
0.29	0.29	**0.28**	-4.1%	-1.3%	♦
5.74	5.82	**5.72**	-1.7%	-1.0%	1.0%
2.21	2.17	**2.24**	3.5%	-0.3%	0.4%
1.11	1.13	**1.13**	0.2%	-1.2%	0.2%
6.37	6.29	**6.49**	3.2%	4.1%	1.1%
3.46	3.54	**3.41**	-3.9%	-4.5%	0.6%
7.99	7.96	**7.84**	-1.6%	-1.4%	1.3%
1.79	1.89	**2.03**	7.4%	1.4%	0.3%
84.76	**84.76**	**83.82**	**-1.1%**	**-0.7%**	**14.4%**
0.60	0.62	**0.66**	6.6%	1.4%	0.1%
0.98	1.05	**1.06**	0.9%	-0.3%	0.2%
2.86	3.15	**3.10**	-1.7%	2.9%	0.5%
28.87	30.04	**29.81**	-0.8%	0.6%	5.1%
1.17	1.31	**1.45**	10.1%	9.9%	0.2%
n/a	n/a	**n/a**	n/a	n/a	n/a
1.79	1.83	**1.78**	-2.5%	-0.2%	0.3%
0.75	0.81	**0.83**	2.8%	1.8%	0.1%
37.02	**38.81**	**38.68**	**-0.3%**	**0.9%**	**6.6%**
11.30	11.83	**12.34**	4.3%	3.2%	2.1%
1.91	2.00	**2.23**	11.1%	5.1%	0.4%
1.08	1.09	**1.13**	3.7%	1.1%	0.2%

1.58	1.57	**1.64**	4.2%	2.4%	0.3%
1.34	1.49	**1.51**	1.9%	7.3%	0.3%
1.92	1.99	**2.02**	1.6%	6.8%	0.3%
11.01	10.91	**11.04**	1.2%	3.5%	1.9%
4.72	4.80	**4.83**	0.6%	3.5%	0.8%
1.97	1.93	**2.04**	6.0%	-2.4%	0.3%
36.83	**37.61**	**38.78**	**3.1%**	**3.2%**	**6.6%**
2.24	2.42	**2.54**	4.9%	4.7%	0.4%
3.84	3.92	**3.89**	-0.8%	2.7%	0.7%
0.84	0.86	**0.95**	9.8%	2.9%	0.2%
5.25	5.30	**5.40**	2.0%	0.1%	0.9%
2.15	2.26	**2.35**	4.3%	5.2%	0.4%
0.89	0.90	**0.91**	0.5%	4.0%	0.2%
2.39	2.52	**2.60**	3.0%	4.6%	0.4%
0.97	1.01	**1.04**	3.0%	-1.3%	0.2%
0.21	0.21	**0.20**	-3.5%	3.1%	♦
18.79	**19.39**	**19.87**	**2.5%**	**2.4%**	**3.4%**
5.87	6.00	**6.41**	6.9%	0.8%	1.1%
1.39	1.48	**1.76**	18.6%	6.3%	0.3%
130.83	135.77	**141.70**	4.4%	3.8%	24.3%
1.29	1.30	**1.24**	-4.7%	2.5%	0.2%
31.33	33.30	**34.06**	2.3%	5.2%	5.8%
7.57	8.23	**8.91**	8.3%	4.0%	1.5%
18.89	18.84	**18.67**	-0.9%	-1.4%	3.2%
4.27	4.21	**4.26**	1.3%	2.3%	0.7%
0.91	0.90	**0.92**	2.0%	1.0%	0.2%
3.37	3.48	**3.56**	2.4%	2.9%	0.6%
1.90	1.96	**2.02**	3.5%	5.3%	0.3%
3.59	3.61	**3.55**	-1.5%	3.8%	0.6%
12.37	12.55	**12.37**	-1.4%	2.2%	2.1%
0.33	0.35	**0.36**	2.8%	5.0%	0.1%
4.87	4.93	**4.81**	-2.4%	0.9%	0.8%
5.45	5.60	**5.61**	0.3%	3.5%	1.0%
3.32	3.72	**4.12**	10.7%	8.7%	0.7%
2.50	3.14	**3.22**	2.6%	5.0%	0.6%
240.07	**249.35**	**257.56**	**3.3%**	**3.3%**	**44.1%**
560.42	**576.23**	**583.90**	**1.3%**	**1.6%**	**100.0%**
231.84	235.39	**233.43**	-0.8%	♦	40.0%
328.58	340.84	**350.47**	2.8%	3.0%	60.0%
69.91	69.81	**68.81**	-1.4%	-0.8%	11.8%

Primary energy: Consumption by fuel*

Exajoules	Oil	Natural Gas	Coal	Nuclear energy	Hydro electric	Renew-ables	**2018 Total**	Oil	Natural Gas
Canada	4.59	4.26	0.65	0.90	3.45	0.50	**14.35**	4.50	4.33
Mexico	3.48	3.15	0.57	0.12	0.29	0.22	**7.83**	3.29	3.26
US	37.11	29.52	13.28	7.60	2.59	5.50	**95.60**	36.99	30.48
Total North America	**45.18**	**36.93**	**14.50**	**8.62**	**6.33**	**6.22**	**117.79**	**44.78**	**38.07**
Argentina	1.20	1.75	0.05	0.06	0.37	0.10	**3.54**	1.19	1.71
Brazil	4.69	1.29	0.70	0.14	3.48	1.83	**12.13**	4.73	1.29
Chile	0.75	0.23	0.31	-	0.21	0.16	**1.66**	0.76	0.23
Colombia	0.69	0.48	0.16	-	0.51	0.02	**1.85**	0.70	0.48
Ecuador	0.51	0.03	-	-	0.19	0.01	**0.73**	0.49	0.02
Peru	0.50	0.29	0.03	-	0.28	0.05	**1.14**	0.51	0.30
Trinidad & Tobago	0.09	0.63	-	-	-	^	**0.71**	0.08	0.63
Venezuela	0.80	1.14	^	-	0.51	^	**2.45**	0.71	0.95
Other S. & Cent. America	2.68	0.29	0.18	-	0.89	0.27	**4.31**	2.69	0.33
Total S. & Cent. America	**11.92**	**6.12**	**1.43**	**0.20**	**6.43**	**2.44**	**28.53**	**11.86**	**5.95**
Austria	0.54	0.31	0.12	-	0.34	0.13	**1.44**	0.55	0.32
Belgium	1.42	0.61	0.13	0.26	^	0.17	**2.59**	1.38	0.63
Czech Republic	0.43	0.29	0.65	0.27	0.01	0.08	**1.73**	0.43	0.30
Finland	0.41	0.08	0.18	0.20	0.12	0.18	**1.15**	0.39	0.07
France	3.17	1.54	0.35	3.70	0.57	0.54	**9.87**	3.15	1.56
Germany	4.63	3.09	2.90	0.68	0.16	1.97	**13.44**	4.68	3.19
Greece	0.65	0.17	0.19	-	0.05	0.10	**1.16**	0.68	0.19
Hungary	0.37	0.35	0.09	0.14	^	0.04	**0.98**	0.37	0.35
Italy	2.60	2.49	0.37	-	0.42	0.64	**6.53**	2.49	2.55
Netherlands	1.68	1.27	0.34	0.03	^	0.19	**3.53**	1.65	1.33
Norway	0.41	0.16	0.03	-	1.24	0.05	**1.90**	0.39	0.16
Poland	1.33	0.72	2.08	-	0.04	0.21	**4.38**	1.34	0.73
Portugal	0.48	0.21	0.11	-	0.11	0.16	**1.08**	0.51	0.22
Romania	0.43	0.42	0.21	0.10	0.16	0.09	**1.41**	0.45	0.39
Spain	2.72	1.13	0.46	0.50	0.31	0.70	**5.82**	2.72	1.30
Sweden	0.56	0.04	0.08	0.61	0.56	0.32	**2.17**	0.57	0.04
Switzerland	0.43	0.12	^	0.22	0.31	0.04	**1.13**	0.44	0.12
Turkey	2.00	1.70	1.71	-	0.54	0.34	**6.29**	2.03	1.56
Ukraine	0.41	1.10	1.15	0.76	0.09	0.02	**3.54**	0.44	1.02
United Kingdom	3.17	2.85	0.32	0.58	0.05	0.99	**7.96**	3.11	2.84
Other Europe	2.61	1.09	1.41	0.33	0.70	0.51	**6.66**	2.63	1.08
Total Europe	**30.46**	**19.73**	**12.92**	**8.37**	**5.79**	**7.50**	**84.76**	**30.40**	**19.95**
Azerbaijan	0.21	0.39	^	-	0.02	^	**0.62**	0.21	0.42
Belarus	0.31	0.70	0.04	-	^	^	**1.05**	0.32	0.69
Kazakhstan	0.67	0.68	1.70	-	0.09	^	**3.15**	0.69	0.64
Russian Federation	6.50	16.36	3.63	1.83	1.71	0.01	**30.04**	6.57	16.00
Turkmenistan	0.29	1.02	-	-	^	^	**1.31**	0.31	1.14
Uzbekistan	0.09	1.60	0.09	-	0.05	^	**1.83**	0.09	1.56
Other CIS	0.18	0.21	0.09	0.02	0.32	^	**0.81**	0.18	0.20
Total CIS	**8.24**	**20.96**	**5.54**	**1.85**	**2.19**	**0.02**	**38.81**	**8.37**	**20.65**
Iran	3.54	8.07	0.06	0.06	0.10	^	**11.83**	3.92	8.05
Iraq	1.46	0.53	-	-	0.02	^	**2.00**	1.49	0.72
Israel	0.49	0.38	0.20	-	^	0.02	**1.09**	0.50	0.39
Kuwait	0.80	0.76	0.01	-	-	^	**1.57**	0.78	0.85
Oman	0.58	0.90	^	-	-	^	**1.49**	0.61	0.90
Qatar	0.50	1.49	-	-	-	^	**1.99**	0.54	1.48
Saudi Arabia	6.86	4.04	^	-	-	^	**10.91**	6.92	4.09
United Arab Emirates	2.01	2.68	0.10	-	-	0.01	**4.80**	1.95	2.74
Other Middle East	1.06	0.81	0.02	-	0.01	0.03	**1.93**	1.08	0.89
Total Middle East	**17.31**	**19.65**	**0.39**	**0.06**	**0.13**	**0.07**	**37.61**	**17.80**	**20.10**
Algeria	0.83	1.56	0.02	-	^	0.01	**2.42**	0.88	1.63
Egypt	1.53	2.15	0.09	-	0.12	0.03	**3.92**	1.50	2.12
Morocco	0.55	0.04	0.22	-	0.02	0.04	**0.86**	0.57	0.04
South Africa	1.16	0.16	3.76	0.10	0.01	0.11	**5.30**	1.18	0.15
Other Africa	4.01	1.45	0.32	-	1.02	0.10	**6.90**	4.14	1.46
Total Africa	**8.07**	**5.36**	**4.41**	**0.10**	**1.17**	**0.29**	**19.39**	**8.28**	**5.40**

Australia	2.16	1.49	1.84	-	0.16	0.35	**6.00**	2.14	1.93
Bangladesh	0.38	0.99	0.10	-	0.01	^	**1.48**	0.37	1.24
China	26.58	10.19	79.83	2.64	10.73	5.81	**135.77**	27.91	11.06
China Hong Kong SAR	0.93	0.11	0.26	-	-	^	**1.30**	0.87	0.11
India	9.95	2.09	18.56	0.35	1.25	1.10	**33.30**	10.24	2.15
Indonesia	3.38	1.60	2.84	-	0.15	0.25	**8.23**	3.38	1.58
Japan	7.63	4.17	4.99	0.44	0.72	0.89	**18.84**	7.53	3.89
Malaysia	1.54	1.48	0.93	-	0.24	0.03	**4.21**	1.57	1.52
New Zealand	0.36	0.16	0.05	-	0.24	0.09	**0.90**	0.36	0.17
Pakistan	1.02	1.57	0.50	0.09	0.26	0.05	**3.48**	0.90	1.64
Philippines	0.89	0.15	0.68	-	0.08	0.15	**1.96**	0.91	0.15
Singapore	3.13	0.44	0.02	-	-	0.01	**3.61**	3.06	0.46
South Korea	5.37	2.08	3.63	1.19	0.03	0.24	**12.55**	5.30	2.01
Sri Lanka	0.23	-	0.06	-	0.06	0.01	**0.35**	0.25	-
Taiwan	2.04	0.85	1.70	0.25	0.04	0.06	**4.93**	1.93	0.84
Thailand	2.68	1.80	0.80	-	0.07	0.24	**5.60**	2.72	1.83
Vietnam	1.02	0.35	1.59	-	0.76	^	**3.72**	1.07	0.35
Other Asia Pacific	0.97	0.41	1.23	-	0.53	0.01	**3.14**	1.03	0.37
Total Asia Pacific	**70.27**	**29.92**	**119.62**	**4.96**	**15.31**	**9.29**	**249.35**	**71.54**	**31.32**
Total World	**191.45**	**138.66**	**158.79**	**24.16**	**37.34**	**25.83**	**576.23**	**193.03**	**141.45**
of which: OECD	90.32	63.24	36.19	17.62	12.75	15.27	**235.39**	89.63	64.84
Non-OECD	101.13	75.42	122.61	6.54	24.59	10.55	**340.84**	103.40	76.61
European Union	26.49	16.46	9.37	7.40	3.12	6.97	**69.81**	26.39	16.90

* In this review, primary energy comprises commercially traded fuels, including modern renewables used to generate electricity.
Energy from all sources of non-fossil power generation is accounted for on an input-equivalent basis. See the appendix or bp.com/stati
^ Less than 0.005.

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Coal	Nuclear energy	Hydro electric	Renew-ables	**2019 Total**
0.56	0.90	3.41	0.52	**14.21**
0.51	0.10	0.21	0.35	**7.72**
11.34	7.60	2.42	5.83	**94.65**
12.41	**8.59**	**6.03**	**6.70**	**116.58**
0.02	0.08	0.33	0.14	**3.46**
0.66	0.14	3.56	2.02	**12.40**
0.28	-	0.19	0.19	**1.66**
0.26	-	0.46	0.02	**1.92**
-	-	0.22	0.01	**0.74**
0.02	-	0.28	0.05	**1.16**
-	-	-	^	**0.71**
^	-	0.56	^	**2.23**
0.24	-	0.77	0.29	**4.32**
1.48	**0.22**	**6.37**	**2.73**	**28.61**
0.13	-	0.36	0.14	**1.50**
0.13	0.39	^	0.19	**2.71**
0.60	0.27	0.02	0.08	**1.71**
0.15	0.20	0.11	0.18	**1.10**
0.27	3.56	0.52	0.61	**9.68**
2.30	0.67	0.18	2.12	**13.14**
0.14	-	0.04	0.11	**1.15**
0.08	0.15	^	0.05	**0.99**
0.30	-	0.40	0.64	**6.37**
0.27	0.03	^	0.23	**3.51**
0.03	-	1.12	0.07	**1.77**
1.91	-	0.04	0.25	**4.28**
0.06	-	0.08	0.18	**1.04**
0.19	0.10	0.14	0.10	**1.37**
0.21	0.52	0.22	0.75	**5.72**
0.08	0.60	0.59	0.36	**2.24**
^	0.21	0.31	0.04	**1.13**
1.70	-	0.79	0.41	**6.49**
1.10	0.74	0.06	0.05	**3.41**
0.26	0.50	0.05	1.08	**7.84**
1.43	0.34	0.62	0.56	**6.67**
11.35	**8.28**	**5.66**	**8.18**	**83.82**
^	-	0.01	^	**0.66**
0.04	-	^	^	**1.06**
1.67	-	0.09	0.01	**3.10**
3.63	1.86	1.73	0.02	**29.81**
-	-	^	^	**1.45**
0.07	-	0.06	^	**1.78**
0.12	0.02	0.32	^	**0.83**
5.53	**1.88**	**2.21**	**0.03**	**38.68**
0.05	0.06	0.26	^	**12.34**
-	-	0.02	^	**2.23**
0.21	-	^	0.03	**1.13**
0.01	-	-	^	**1.64**
0.01	-	-	^	**1.51**
-	-	-	^	**2.02**
^	-	-	0.02	**11.04**
0.10	-	-	0.04	**4.83**
0.02	-	0.02	0.03	**2.04**
0.40	**0.06**	**0.30**	**0.12**	**38.78**
0.02	-	^	0.01	**2.54**
0.08	-	0.12	0.06	**3.89**
0.28	-	0.01	0.06	**0.95**
3.81	0.13	0.01	0.12	**5.40**
0.28	-	1.04	0.17	**7.10**
4.47	**0.13**	**1.18**	**0.41**	**19.87**

1.78	-	0.13	0.42	**6.41**
0.14	-	0.01	^	**1.76**
81.67	3.11	11.32	6.63	**141.70**
0.26	-	-	^	**1.24**
18.62	0.40	1.44	1.21	**34.06**
3.41	-	0.15	0.39	**8.91**
4.91	0.59	0.66	1.10	**18.67**
0.90	-	0.24	0.03	**4.26**
0.06	-	0.23	0.10	**0.92**
0.55	0.08	0.32	0.06	**3.56**
0.73	-	0.09	0.15	**2.02**
0.03	-	-	0.01	**3.55**
3.44	1.30	0.02	0.29	**12.37**
0.06	-	0.04	0.01	**0.36**
1.63	0.29	0.05	0.07	**4.81**
0.71	-	0.06	0.29	**5.61**
2.07	-	0.58	0.04	**4.12**
1.25	-	0.56	0.01	**3.22**
122.22	**5.77**	**15.90**	**10.81**	**257.56**

157.86	**24.92**	**37.66**	**28.98**	**583.90**
32.10	17.77	12.32	16.77	**233.43**
125.75	7.16	25.34	12.21	**350.47**
7.69	7.33	2.94	7.54	**68.81**

sticalreview for more details on this methodology.

Primary energy: Consumption per capita*

Gigajoule per capita	1965	1966	1967	1968	1969	1970	1971	1972
Canada	250.9	262.3	269.6	282.3	294.2	309.9	314.5	332.9
Mexico	23.8	24.4	24.1	25.5	27.1	28.1	28.6	30.7
US	262.5	274.3	281.1	295.4	308.4	316.0	319.8	333.2
Total North America	**221.7**	**230.9**	**235.7**	**246.9**	**256.9**	**263.1**	**265.4**	**276.2**
Argentina	50.9	51.8	52.6	53.6	54.6	50.8	53.1	53.2
Brazil	11.6	12.3	12.4	13.9	14.7	16.7	17.8	20.0
Chile	29.0	30.5	30.6	30.0	31.8	33.0	35.1	35.6
Colombia	17.0	18.0	18.6	19.0	18.9	20.1	19.2	21.1
Ecuador	5.9	6.0	6.3	7.3	7.5	8.7	9.3	9.5
Peru	17.2	20.4	20.2	20.0	19.6	19.6	20.0	17.4
Trinidad & Tobago	132.8	140.1	148.4	152.1	155.7	170.1	170.0	231.4
Venezuela	71.0	69.3	70.7	73.8	72.3	70.7	69.6	71.5
Central America	11.8	11.6	11.9	11.9	12.4	12.6	12.8	13.6
Other Caribbean	35.9	36.4	37.2	37.3	37.6	42.3	42.9	45.0
Other South America	11.3	12.7	13.2	13.4	14.2	14.6	15.8	17.3
Total S. & Cent. America	**23.1**	**23.8**	**24.2**	**25.0**	**25.5**	**26.5**	**27.3**	**28.9**
Austria	92.0	95.6	96.0	102.1	105.4	119.9	119.2	122.9
Belgium	157.4	150.9	157.8	175.1	191.5	201.7	197.2	209.0
Bulgaria	52.3	55.7	64.3	71.4	79.1	88.4	91.5	93.6
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	29.0	32.8	35.2	38.7	45.1	47.0	55.4	61.5
Czech Republic	171.9	173.0	170.4	177.9	185.5	193.1	202.3	202.6
Denmark	125.7	141.9	141.7	147.0	167.6	177.4	166.6	174.8
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	89.6	101.8	106.8	116.1	127.8	140.5	143.6	150.8
France	96.1	97.4	102.9	107.7	117.9	127.1	131.2	139.2
Germany	140.0	139.4	138.0	146.5	157.2	165.3	166.3	171.9
Greece	33.6	36.6	40.1	41.5	43.6	48.2	57.1	63.6
Hungary	65.5	66.1	62.8	64.9	69.3	74.4	76.5	78.8
Iceland	139.8	144.7	141.5	148.0	145.6	173.5	186.4	199.9
Ireland	86.1	96.1	103.7	120.4	120.0	93.7	96.2	100.1
Italy	64.1	69.1	74.4	79.9	85.5	93.8	98.1	102.2
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	455.7	433.7	424.8	457.2	489.6	505.2	482.2	493.0
Netherlands	121.7	128.7	134.4	148.6	163.8	182.7	190.5	218.9
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	199.7	203.0	216.0	240.0	238.9	248.5	259.1	272.7
Poland	89.1	90.0	91.9	98.1	104.0	108.9	111.5	116.7
Portugal	19.9	21.9	23.6	24.2	26.3	31.5	34.5	37.2
Romania	51.7	54.6	60.2	63.3	71.9	75.6	79.3	82.6
Slovakia	87.4	89.8	89.7	98.4	102.2	112.1	119.3	124.4
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	37.4	41.8	44.7	46.5	52.1	55.6	60.5	64.7
Sweden	178.8	189.4	192.2	203.8	202.8	214.1	216.1	221.7
Switzerland	110.3	116.7	123.0	128.0	131.4	142.7	144.8	141.9
Turkey	10.6	11.9	12.0	13.6	14.5	15.1	16.3	17.8
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	153.5	153.3	152.5	157.2	162.2	164.9	161.4	163.3
Other Europe	30.3	31.6	31.7	34.6	36.6	40.0	46.3	47.8
Total Europe	**93.4**	**95.4**	**97.4**	**103.1**	**109.7**	**116.0**	**118.2**	**123.0**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	107.9	113.4	118.0	121.2	125.3	130.6	135.8	141.4
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**107.9**	**113.4**	**118.0**	**121.2**	**125.3**	**130.6**	**135.8**	**141.4**
Iran	14.3	15.2	16.2	17.3	18.5	21.2	22.6	24.9
Iraq	8.7	9.5	9.2	9.5	10.8	13.3	14.1	16.1
Israel	45.4	46.8	48.3	50.2	51.7	52.7	53.4	53.9
Kuwait	618.4	584.5	540.3	519.0	489.2	369.0	343.9	358.5

Oman	30.5	31.0	31.4	31.9	32.2	32.6	74.4	82.0
Qatar	69.0	64.1	84.9	248.7	361.1	378.9	346.1	350.4
Saudi Arabia	174.8	171.1	167.5	164.0	160.5	162.1	155.4	158.9
United Arab Emirates	20.5	20.5	114.7	136.9	123.5	147.5	189.9	170.2
Other Middle East	17.3	17.6	17.8	18.5	18.8	18.5	19.3	18.9
Total Middle East	**34.9**	**35.4**	**35.9**	**36.9**	**37.7**	**38.6**	**39.6**	**41.8**
Algeria	7.1	8.3	7.6	8.0	8.6	9.1	9.6	10.5
Egypt	10.8	11.1	9.2	9.7	7.8	9.4	9.5	10.3
Morocco	4.4	5.7	5.9	6.2	6.6	6.8	7.0	7.5
South Africa	65.8	64.5	65.5	67.3	67.5	68.8	72.1	72.5
Eastern Africa	3.6	3.8	3.8	3.9	3.9	4.3	4.5	4.6
Middle Africa	3.7	3.7	3.6	3.7	3.8	3.9	4.4	4.4
Western Africa	2.0	2.1	2.1	2.1	2.3	2.5	3.1	3.3
Other Northern Africa	9.7	10.4	10.8	12.0	13.0	15.0	13.4	16.6
Other Southern Africa	0.8	1.2	1.4	1.5	1.7	2.0	2.1	2.1
Total Africa	**7.9**	**8.1**	**7.9**	**8.1**	**8.1**	**8.6**	**9.2**	**9.5**
Australia	129.0	138.1	142.7	147.4	149.8	159.9	164.8	169.6
Bangladesh	n/a	n/a	n/a	n/a	n/a	n/a	0.4	0.9
China	7.6	8.1	7.1	6.9	8.2	10.3	11.9	12.5
China Hong Kong SAR	27.3	29.0	33.5	35.4	40.8	43.0	44.7	50.0
India	4.4	4.5	4.5	4.7	5.1	4.9	5.0	5.1
Indonesia	3.0	2.9	2.8	2.9	3.2	3.3	3.1	3.2
Japan	66.2	72.3	81.9	90.1	101.3	111.8	117.3	121.1
Malaysia	10.9	12.4	12.2	12.2	12.4	13.5	14.5	16.0
New Zealand	114.2	119.5	118.9	120.1	120.6	132.2	135.6	141.8
Pakistan	2.8	2.7	2.9	3.2	3.1	3.0	6.0	5.1
Philippines	6.3	6.7	7.3	8.0	8.3	9.2	10.2	9.8
Singapore	91.8	102.7	120.9	147.4	142.1	151.5	129.1	158.7
South Korea	9.3	11.0	12.4	13.9	16.4	18.7	19.8	20.2
Sri Lanka	2.1	2.1	2.1	2.2	2.2	4.1	3.7	4.0
Taiwan	19.5	20.2	21.4	23.9	24.3	25.8	31.8	33.2
Thailand	3.5	4.0	4.4	5.5	5.7	6.5	7.0	8.3
Vietnam	2.8	4.8	6.4	6.4	7.4	7.5	6.5	6.2
Other Asia Pacific	9.5	9.9	10.5	11.0	11.5	11.9	12.8	12.9
Total Asia Pacific	**10.4**	**11.1**	**11.4**	**11.9**	**13.2**	**14.7**	**15.7**	**16.3**
Total World	**46.6**	**48.2**	**49.0**	**50.9**	**53.2**	**55.4**	**56.5**	**58.4**
of which: OECD	130.1	135.0	138.7	146.4	154.5	161.2	163.8	170.3
Non-OECD	18.4	19.1	19.3	19.7	20.6	21.8	22.9	23.7
European Union #	101.7	103.8	106.0	112.1	119.7	126.6	128.8	134.2

* In this review, primary energy comprises commercially traded fuels, including modern renewables used to generate electricity. Energy from all sources of non-fossil power generation is accounted for on an input-equivalent basis. See the appendix or bp.com

^ Less than 0.05.

◆ Less than 0.05%.

n/a not available.

USSR includes CIS, Georgia, Ukraine and the Baltic States.

Excludes Estonia, Latvia and Lithuania prior to 1985 and Slovenia prior to 1990.

Contents

1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
350.5	356.1	345.0	361.4	378.1	378.8	386.0	389.8	381.4	364.8	358.7
32.2	34.4	35.8	37.1	38.1	41.8	45.1	48.0	51.7	52.7	50.9
343.8	332.2	321.2	335.6	341.2	339.6	340.4	325.0	312.5	296.7	292.6
284.6	**276.1**	**266.6**	**277.8**	**282.5**	**281.4**	**282.4**	**271.6**	**262.2**	**249.3**	**245.0**
54.6	56.1	53.8	55.9	57.5	57.8	60.4	59.4	56.4	56.8	58.4
23.3	24.9	25.6	27.5	28.7	30.9	32.7	32.5	31.0	31.8	31.7
33.7	32.8	29.1	30.2	30.8	32.1	32.7	33.3	33.7	30.4	30.8
20.6	22.6	22.6	23.0	23.0	24.1	25.0	24.9	24.9	25.5	26.2
9.8	11.2	11.0	11.8	13.6	13.9	14.1	17.4	18.8	20.2	19.2
19.4	21.9	22.0	21.7	21.3	20.7	21.0	21.8	22.4	21.8	18.8
226.3	214.8	170.6	189.2	194.1	192.8	167.9	159.1	165.4	191.1	183.5
79.5	79.8	80.6	85.6	92.7	92.1	98.7	107.6	108.6	107.8	104.6
13.8	13.9	14.8	15.0	14.8	15.1	15.0	14.2	14.1	13.7	13.4
47.7	46.6	44.6	44.7	46.2	46.7	47.5	52.5	52.3	45.1	42.8
17.6	16.1	17.4	17.4	18.1	20.1	20.6	21.4	19.8	18.8	17.6
31.1	**31.9**	**31.7**	**33.0**	**34.3**	**35.4**	**36.8**	**37.7**	**36.8**	**36.4**	**35.9**
131.6	131.7	130.5	135.3	135.4	141.5	149.9	149.3	144.9	140.1	139.7
211.2	203.4	190.7	201.8	201.6	210.0	215.7	206.2	195.8	187.1	180.9
96.7	99.2	109.1	115.0	120.7	124.7	129.0	135.8	133.3	136.2	136.7
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
65.3	57.2	47.3	47.5	53.0	53.7	54.0	54.0	51.5	61.5	64.5
202.7	203.6	210.6	215.1	220.7	222.4	223.6	215.8	213.9	211.4	212.0
168.2	152.3	149.5	164.0	166.8	168.8	168.2	163.7	147.0	140.5	133.7
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
165.5	157.6	159.5	169.1	177.9	184.6	198.8	197.3	197.5	194.0	190.9
150.0	146.1	136.7	145.0	145.9	151.9	155.8	153.1	150.7	144.3	147.1
181.7	178.5	171.6	183.3	183.1	189.9	200.8	194.6	188.9	182.7	185.6
72.7	70.4	79.0	86.3	88.2	88.4	76.6	75.0	72.6	73.0	73.0
85.1	87.5	92.2	98.1	102.5	109.1	107.6	107.7	106.7	107.5	106.1
238.0	228.8	216.9	221.9	232.6	240.8	248.8	249.4	251.6	254.7	259.8
103.5	103.6	95.3	95.7	100.3	102.7	111.6	106.7	102.9	101.3	99.1
106.0	105.3	102.5	107.7	107.4	109.7	112.8	109.6	107.0	104.6	102.2
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
518.1	521.6	429.8	427.4	396.2	409.8	419.2	385.1	328.6	307.6	287.4
230.4	216.5	216.3	234.1	228.2	231.3	237.5	221.8	209.2	192.4	192.4
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
286.7	287.1	289.7	308.5	283.5	317.0	337.9	320.6	336.8	331.8	362.9
118.0	120.8	129.3	135.0	139.5	145.2	146.0	151.4	135.3	136.4	135.8
40.5	41.8	41.0	40.2	44.6	46.4	48.6	47.0	46.0	49.4	50.9
88.9	88.6	95.7	102.2	107.3	114.5	115.8	116.1	115.8	114.3	113.2
128.2	133.5	138.4	142.1	147.8	153.5	156.3	157.3	154.9	152.1	151.5
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
70.2	72.2	73.4	77.7	79.4	78.9	84.2	84.2	84.3	83.7	85.2
233.5	215.4	227.6	241.6	237.6	275.7	290.1	272.1	269.3	256.0	253.6
155.9	148.1	153.0	146.6	162.7	161.0	160.8	172.0	171.3	167.0	172.9
19.7	19.6	21.3	23.4	25.1	25.9	23.9	24.3	23.9	25.5	25.8
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
171.1	162.2	152.8	155.8	158.7	159.6	167.0	152.1	147.9	145.9	146.4
49.6	54.5	54.4	57.3	60.9	65.6	70.4	63.9	63.0	64.9	69.3
129.1	**126.4**	**124.3**	**130.5**	**131.9**	**136.2**	**140.5**	**135.8**	**131.7**	**128.6**	**129.1**
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
147.3	154.1	160.3	165.1	171.1	176.9	180.2	182.7	184.9	187.9	190.2
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
147.3	**154.1**	**160.3**	**165.1**	**171.1**	**176.9**	**180.2**	**182.7**	**184.9**	**187.9**	**190.2**
29.0	31.9	36.1	39.4	43.2	40.9	42.6	38.0	36.6	39.6	45.2
15.2	14.5	15.5	19.1	19.1	17.8	21.7	25.1	24.2	24.6	26.5
54.5	53.8	53.7	55.2	56.2	58.5	62.6	65.3	65.0	66.2	65.3
336.5	304.3	257.4	285.8	274.3	283.0	324.4	231.7	279.1	266.5	281.2

68.6	60.4	52.7	57.7	52.7	58.0	63.2	53.2	53.2	66.6	59.1
456.3	368.2	513.7	312.1	414.3	377.5	883.7	927.2	784.6	848.6	797.0
161.4	163.0	122.9	135.1	151.7	160.4	183.9	156.0	175.0	180.9	184.0
185.1	171.7	156.7	170.4	243.0	246.9	260.3	382.3	415.4	423.0	385.9
20.3	22.0	23.6	25.7	27.6	28.5	31.8	29.7	30.2	34.3	35.4
44.3	**45.7**	**44.1**	**48.3**	**53.1**	**53.8**	**61.0**	**56.8**	**59.6**	**63.5**	**66.8**
12.2	13.1	15.2	17.3	18.5	22.5	28.7	33.2	39.1	43.7	46.2
9.5	10.6	11.5	13.4	14.2	14.7	15.7	17.5	19.4	21.1	22.3
8.1	8.5	8.5	9.0	9.8	10.2	11.1	10.9	10.3	10.4	10.4
75.9	76.1	79.0	80.4	80.4	77.7	78.3	81.4	92.2	96.5	95.2
4.7	4.7	4.5	4.7	4.6	4.3	4.4	4.2	4.0	3.9	3.8
4.8	4.8	4.4	4.2	4.3	4.7	4.6	4.7	4.8	4.6	4.9
3.6	3.6	3.8	4.5	4.8	4.9	5.5	5.7	5.8	5.9	5.3
22.1	23.6	25.7	29.3	32.2	34.8	44.0	44.4	45.9	45.6	46.5
2.2	2.1	2.3	3.5	4.0	7.7	7.8	7.7	9.1	8.9	8.1
10.0	**10.2**	**10.5**	**11.2**	**11.4**	**11.5**	**12.3**	**12.8**	**13.9**	**14.4**	**14.4**
178.8	187.7	188.5	192.8	200.1	202.8	208.4	207.3	206.4	203.5	201.0
1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.7
12.9	13.0	14.3	14.8	15.8	17.1	17.4	17.5	17.0	17.5	18.4
51.0	51.2	47.2	54.2	56.7	57.1	56.7	56.5	58.9	63.6	66.4
5.1	5.3	5.6	5.7	5.9	6.0	6.2	6.2	6.7	6.5	6.7
3.5	3.7	4.4	4.5	5.8	6.3	7.0	7.3	7.7	7.7	8.0
132.7	131.4	123.9	127.0	126.7	130.8	134.8	129.7	126.9	121.0	121.8
16.8	16.7	16.9	18.3	19.9	26.6	31.7	33.2	33.3	35.0	39.3
144.7	143.3	143.5	147.1	149.4	147.2	148.5	148.4	147.6	151.6	156.2
5.3	5.6	5.8	5.7	6.0	6.2	6.6	7.1	7.3	7.8	8.1
11.1	10.1	10.6	10.7	11.2	11.4	11.6	11.1	10.7	10.1	10.6
146.9	142.4	137.0	160.4	159.2	162.0	170.4	166.5	187.8	178.6	184.6
24.5	25.0	27.0	29.7	33.7	37.2	42.3	42.9	44.3	43.7	46.7
3.9	3.4	3.3	3.2	3.4	3.9	3.9	3.9	4.4	4.8	4.9
38.1	35.8	38.7	46.4	50.1	58.2	60.7	63.1	58.0	57.4	63.8
8.6	8.7	9.3	9.6	10.3	11.0	11.3	11.1	11.0	11.1	12.0
6.4	4.6	5.0	2.9	3.0	3.0	3.2	3.6	3.5	3.7	3.7
13.1	13.7	13.7	14.2	14.8	15.4	16.3	17.2	17.6	18.0	18.4
17.2	**17.2**	**17.5**	**18.0**	**18.6**	**19.5**	**20.1**	**19.9**	**19.6**	**19.4**	**20.0**
60.6	**59.7**	**59.0**	**61.0**	**62.1**	**63.2**	**64.3**	**62.7**	**61.3**	**59.9**	**59.8**
177.9	173.7	168.5	175.9	178.3	180.7	184.1	177.9	172.5	165.9	165.0
24.6	25.2	26.1	27.0	28.1	29.1	29.9	30.1	30.2	30.6	31.0
140.9	137.8	135.3	142.3	143.8	148.4	153.4	148.7	144.0	140.4	140.6

/statisticalreview for more details on this methodology.

1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
377.9	385.4	381.4	389.2	399.5	397.9	385.6	381.5	386.4	390.5	400.6
52.1	53.5	50.9	51.5	50.9	52.7	54.4	55.4	55.4	54.7	56.9
305.3	301.7	300.7	308.0	319.1	323.6	321.2	317.8	319.4	322.9	325.5
255.1	**252.9**	**250.8**	**256.2**	**264.1**	**267.1**	**264.5**	**261.6**	**262.8**	**264.9**	**267.7**
57.4	55.1	59.9	61.6	61.5	58.1	56.6	56.5	60.0	61.1	61.4
33.2	34.6	36.2	36.5	37.2	37.2	36.0	36.7	37.8	38.8	40.1
31.8	31.7	32.7	33.7	37.0	40.2	41.7	45.9	50.0	52.0	53.8
26.3	26.8	27.1	28.9	28.4	29.3	26.8	27.3	28.0	30.3	31.9
20.8	24.0	24.5	24.6	27.8	27.9	28.2	30.4	29.6	29.9	31.8
19.4	18.8	19.7	20.6	19.7	17.7	17.2	16.7	16.0	17.0	18.2
178.2	181.8	186.9	174.8	190.6	186.1	205.2	203.2	213.8	224.1	236.3
103.8	103.9	108.7	105.7	107.3	105.5	109.5	107.4	113.7	110.0	116.9
13.2	13.2	13.4	13.9	13.5	14.1	14.2	14.8	15.8	16.6	17.2
44.7	41.4	40.2	41.3	41.1	42.1	41.0	39.5	37.0	36.6	37.9
17.4	20.1	25.9	30.0	31.2	33.6	35.7	37.0	36.8	39.1	43.0
36.7	**36.9**	**38.6**	**39.2**	**39.8**	**39.7**	**39.1**	**39.5**	**40.6**	**41.4**	**43.1**
138.5	145.3	146.5	154.2	151.5	151.9	153.6	160.2	156.2	157.6	155.6
188.9	196.8	202.8	208.6	212.4	213.5	225.7	232.7	231.0	226.4	238.1
135.7	134.6	137.4	138.6	142.2	141.6	131.4	107.6	102.1	109.8	106.9
n/a	n/a	n/a	n/a	n/a	n/a	75.2	63.3	60.7	63.7	64.8
65.1	69.4	71.5	86.0	87.2	87.8	90.5	89.7	102.5	104.2	102.1
219.3	219.9	222.3	227.3	228.3	221.2	190.0	172.8	167.6	166.1	161.7
136.0	153.3	156.7	151.0	149.1	137.3	141.3	162.4	151.6	160.1	171.0
n/a	280.1	276.3	277.7	270.7	278.0	277.0	252.6	186.3	151.0	155.8
198.0	207.0	208.6	218.8	216.8	217.1	230.4	234.0	231.5	233.0	243.9
151.1	155.2	158.2	160.2	161.4	162.8	167.0	176.7	177.4	176.6	173.6
192.6	198.2	196.3	197.4	197.3	194.3	190.3	184.7	179.9	178.1	175.5
75.7	79.6	79.4	86.5	90.9	98.1	102.6	102.5	103.0	103.5	104.2
109.4	113.4	113.4	118.9	116.6	113.9	112.9	105.7	99.7	98.3	99.6
270.2	264.4	273.3	278.9	291.0	298.2	295.4	285.5	292.7	301.1	301.6
97.5	101.9	109.9	111.2	110.7	114.2	119.9	123.9	124.4	126.5	130.7
103.6	103.0	105.8	108.9	111.6	114.8	115.2	117.8	117.6	115.6	115.3
n/a	147.5	135.9	122.6	114.8	114.0	115.7	107.5	77.7	67.8	66.6
n/a	182.0	166.3	172.7	179.6	193.1	195.6	206.8	126.7	99.5	86.5
309.2	316.6	308.0	289.1	293.9	334.5	350.2	371.9	368.1	367.9	348.8
198.8	204.0	212.9	216.0	215.4	215.0	219.0	221.7	222.8	223.1	219.3
n/a	n/a	n/a	n/a	n/a	n/a	53.3	52.9	54.5	54.8	51.4
366.4	361.5	351.9	367.9	377.1	399.5	401.4	368.4	385.8	396.1	380.9
140.0	142.1	145.2	149.2	145.8	139.8	114.8	111.9	106.7	106.4	101.5
52.9	53.8	57.2	58.6	64.9	70.7	71.5	74.1	74.9	76.4	78.7
112.0	111.2	113.1	116.7	118.3	118.1	112.4	95.4	84.5	82.5	78.3
162.3	166.3	164.0	166.8	166.9	168.6	168.3	150.0	143.7	140.5	137.8
n/a	n/a	n/a	n/a	n/a	n/a	122.9	122.8	114.9	118.5	126.4
86.1	85.0	86.6	89.5	93.2	97.7	97.4	100.6	105.3	101.5	105.9
267.9	290.6	301.0	292.5	284.3	276.2	279.2	263.1	262.7	258.1	257.4
166.8	177.1	184.9	182.5	182.7	169.8	175.7	178.6	179.4	176.9	183.8
26.6	28.1	30.1	33.6	36.1	34.9	37.2	37.4	38.6	41.3	39.4
n/a	196.2	196.5	200.2	199.8	190.9	221.8	205.4	179.1	152.0	128.9
146.1	152.1	156.0	155.4	157.0	156.7	157.5	160.4	158.9	160.3	157.9
71.5	76.4	79.4	79.6	81.4	78.6	74.2	65.5	57.5	49.9	43.0
131.9	**140.5**	**142.2**	**144.4**	**145.3**	**144.1**	**144.9**	**142.3**	**137.6**	**134.4**	**131.2**
n/a	126.6	134.1	127.8	125.7	126.1	129.2	122.2	103.1	88.0	79.8
n/a	148.4	168.3	169.7	171.2	164.9	157.7	155.8	147.5	118.4	98.9
n/a	182.7	184.7	186.6	191.4	187.0	188.5	188.5	186.9	166.1	149.4
n/a	239.8	242.2	248.4	251.0	250.5	245.0	240.9	231.4	215.5	196.6
n/a	158.8	192.9	187.2	183.8	184.0	148.4	148.2	137.5	109.8	114.1
195.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	96.0	92.2	91.7	95.0	94.2	89.6	88.6	82.4	86.7	83.3
n/a	87.1	81.4	82.1	89.1	83.9	83.5	69.1	58.2	46.2	38.5
195.5	**202.7**	**205.2**	**208.9**	**211.4**	**209.7**	**204.6**	**200.0**	**190.7**	**175.6**	**159.8**
46.8	49.1	44.2	45.6	46.4	49.2	53.9	57.1	61.5	55.9	61.9
28.4	32.8	35.5	41.8	47.6	52.2	47.2	30.9	47.2	62.2	69.1
64.9	88.7	91.8	100.0	105.1	106.6	107.7	108.3	113.9	116.4	123.0
286.1	265.6	285.3	251.1	271.6	287.2	136.0	80.0	154.9	225.4	296.0

81.7	80.7	72.5	78.8	73.8	80.7	97.1	123.3	113.4	104.0	95.2
817.0	764.5	780.1	732.8	642.5	659.6	652.3	718.7	1087.7	1142.2	1138.9
207.4	200.3	204.8	207.3	207.9	196.8	205.9	208.7	204.5	203.2	229.2
456.5	536.1	613.3	645.7	672.2	713.7	683.2	786.1	717.0	705.0	732.7
36.9	35.2	34.6	35.2	35.1	34.6	35.1	35.6	35.5	35.1	34.9
72.6	**74.3**	**74.9**	**77.3**	**79.4**	**81.0**	**81.2**	**82.3**	**87.3**	**87.6**	**95.3**
43.0	42.1	43.2	43.2	45.0	42.6	44.0	42.6	42.6	38.8	38.5
23.7	23.9	23.8	24.3	24.4	25.1	25.3	25.1	24.5	24.3	24.2
10.3	10.4	10.6	10.7	11.0	11.9	12.0	11.9	13.1	13.0	14.1
101.2	100.7	100.0	99.3	106.8	99.7	100.7	97.5	95.5	93.1	94.8
3.6	3.6	3.7	3.6	3.8	3.7	4.1	3.8	3.6	3.8	3.7
4.5	4.9	4.8	4.7	4.8	4.9	4.4	4.0	4.0	3.8	3.6
4.7	4.9	4.7	4.8	5.0	5.1	4.9	5.1	5.3	5.2	5.0
44.8	48.9	48.8	52.6	52.2	54.9	52.5	50.9	49.8	51.8	55.2
8.2	8.9	9.2	9.1	9.5	10.0	14.5	17.0	17.9	17.5	17.5
14.5	**14.6**	**14.5**	**14.6**	**15.2**	**14.8**	**14.9**	**14.5**	**14.4**	**14.0**	**14.1**
206.7	205.0	208.6	210.7	216.9	223.8	224.4	220.0	219.5	223.2	229.5
1.8	1.9	2.0	2.2	2.4	2.5	2.6	2.4	2.6	2.8	2.9
19.4	20.7	21.3	22.5	23.7	24.5	24.4	25.3	26.3	28.1	29.5
67.1	68.6	70.7	76.4	86.6	91.1	87.6	89.6	104.3	112.6	100.9
7.0	7.2	7.6	7.9	8.4	9.0	9.4	9.7	10.0	10.1	10.4
8.5	8.8	9.6	9.9	10.3	11.2	12.1	12.9	13.9	14.5	15.2
131.4	131.5	131.0	133.0	140.9	145.2	149.4	152.6	154.0	155.7	161.3
41.2	40.1	43.8	43.8	45.2	49.0	51.4	60.6	63.8	64.9	69.1
163.4	164.1	176.7	179.0	185.0	165.2	193.0	194.3	191.4	193.9	200.9
8.3	8.4	8.7	9.4	9.7	10.0	10.1	10.4	10.6	11.4	11.5
9.4	8.8	8.7	9.2	9.9	10.5	10.6	10.0	11.3	11.5	11.9
189.4	188.8	214.7	221.3	251.1	280.1	326.3	323.0	335.8	355.1	393.1
50.4	54.9	60.9	66.8	73.9	79.5	89.1	99.7	111.3	120.7	128.8
4.8	4.6	4.6	4.7	4.8	4.7	5.0	5.1	5.5	5.9	6.4
66.6	76.7	82.2	87.2	94.5	99.3	104.4	109.2	114.1	119.9	125.9
13.0	13.4	14.0	15.8	17.4	19.7	23.0	25.1	27.4	30.9	34.3
3.7	3.6	3.8	4.2	4.1	3.8	4.0	4.0	4.3	4.8	5.2
18.4	19.3	19.2	18.3	18.3	17.7	17.0	16.1	14.3	13.3	12.5
21.0	**21.6**	**22.1**	**22.9**	**24.1**	**24.9**	**25.4**	**26.1**	**26.9**	**27.9**	**29.0**
61.5	**62.0**	**62.2**	**63.2**	**64.5**	**64.6**	**64.2**	**63.6**	**63.1**	**62.6**	**62.5**
171.4	173.0	173.6	177.1	181.8	183.6	183.1	183.1	183.3	184.5	186.2
31.9	32.3	32.8	33.5	34.3	34.3	34.3	33.8	33.4	32.8	32.5
144.0	148.3	150.3	152.5	153.4	153.4	150.1	149.4	146.3	145.2	144.2

1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
404.9	412.0	411.2	401.7	410.7	418.7	404.7	413.2	410.9	411.5	411.2
55.1	55.9	56.0	57.6	57.4	59.3	57.7	58.8	58.5	60.8	63.8
328.9	335.9	334.2	332.2	334.0	337.7	326.4	328.0	326.2	329.7	326.9
269.6	**274.9**	**273.5**	**271.6**	**273.4**	**276.8**	**267.4**	**269.2**	**267.4**	**270.2**	**268.8**
63.1	66.8	65.7	67.3	65.1	67.0	65.5	61.7	65.5	68.3	72.1
41.4	43.1	44.8	45.8	45.9	46.0	44.5	44.9	45.2	46.8	47.6
57.1	59.7	67.4	66.9	68.9	72.0	71.6	73.3	72.2	75.1	77.2
31.8	32.0	32.4	32.1	29.2	28.0	27.1	26.6	27.1	27.2	26.9
29.5	32.8	35.9	35.3	31.5	29.2	29.0	28.1	28.1	29.9	31.1
19.5	19.8	19.6	19.3	19.6	19.8	19.3	19.6	19.1	20.2	20.9
255.3	288.5	287.9	291.8	323.8	337.6	363.0	392.2	437.5	478.7	510.7
117.9	112.4	116.5	121.2	114.7	114.8	119.4	117.0	103.2	113.1	116.0
18.2	18.1	18.7	20.3	20.6	21.1	21.4	21.3	21.9	22.1	21.9
37.5	38.4	40.2	41.2	39.7	44.6	45.0	45.3	45.8	45.9	45.6
47.4	48.7	52.0	53.2	52.3	50.6	46.1	46.9	48.4	47.0	46.8
44.3	**45.4**	**47.0**	**48.0**	**47.1**	**47.7**	**47.0**	**46.9**	**46.7**	**48.5**	**49.5**
162.3	162.2	165.2	167.6	171.0	171.2	176.9	176.5	177.9	180.0	182.2
239.5	254.0	256.0	260.8	258.2	263.4	260.3	258.1	266.4	265.8	261.0
116.1	117.2	111.8	108.4	95.7	97.1	102.1	100.0	103.8	101.4	110.4
67.7	73.0	73.3	78.3	81.4	77.6	81.9	82.4	86.4	89.7	88.9
106.2	105.5	104.4	108.7	112.3	115.5	114.8	111.2	116.3	111.3	122.6
168.5	174.5	167.5	162.9	156.4	165.5	169.6	170.3	180.2	184.7	181.5
167.3	198.2	178.9	171.7	165.7	158.5	158.4	157.5	169.1	159.3	153.1
147.9	157.6	156.8	147.0	135.1	138.7	144.9	145.0	158.7	167.0	165.4
231.3	241.6	243.3	251.2	246.0	247.2	252.1	254.0	271.7	268.4	243.2
177.2	183.2	180.0	183.5	185.8	187.2	188.3	185.1	185.7	185.8	183.5
175.7	181.1	178.6	177.2	174.7	175.8	178.8	176.2	175.9	175.6	173.6
106.9	108.9	111.2	117.4	116.6	122.4	123.0	123.0	128.8	128.8	129.7
100.3	102.3	99.7	101.0	101.5	98.5	101.6	100.4	101.4	102.4	109.7
308.4	323.7	335.9	359.9	390.6	410.9	411.6	423.9	422.1	426.0	422.1
132.4	138.9	143.7	153.1	160.0	164.2	171.3	167.3	160.0	159.0	162.6
120.2	120.6	122.6	126.2	130.4	132.2	132.4	130.6	134.0	135.6	134.9
63.2	59.7	60.5	66.2	57.0	56.2	61.3	62.6	62.6	71.1	74.1
97.1	106.3	98.7	106.6	89.4	79.6	93.8	100.8	106.6	108.6	99.9
299.1	303.3	292.6	278.6	290.8	306.8	325.7	353.3	367.5	412.2	412.8
226.7	235.1	229.5	229.8	225.7	227.3	234.7	233.4	233.6	240.2	243.9
51.7	59.9	53.7	60.4	57.4	54.2	51.0	49.6	55.6	54.8	56.4
401.4	367.1	383.5	396.2	403.9	444.0	400.7	414.3	365.0	369.3	417.3
103.7	108.8	107.6	103.0	101.0	95.0	94.4	93.4	96.8	97.5	99.8
86.1	88.0	89.0	96.8	99.0	101.6	102.5	101.7	103.5	101.4	101.1
86.5	86.6	82.7	76.1	67.4	67.9	69.1	72.2	72.7	75.8	76.4
139.4	140.2	137.5	138.8	139.9	144.3	148.4	149.6	145.1	141.3	148.9
133.1	139.8	143.2	143.5	141.9	140.6	147.0	146.4	143.7	152.1	151.9
109.7	113.5	119.4	124.6	127.8	133.8	138.3	137.9	143.7	147.0	145.9
258.7	251.7	259.2	280.6	272.3	251.4	269.4	251.9	241.1	257.8	263.0
172.9	166.4	176.9	177.4	184.4	179.3	190.5	176.5	173.5	169.7	161.6
43.3	46.5	47.9	48.4	46.4	48.9	43.8	47.2	49.2	51.9	52.5
124.8	120.9	115.0	113.5	115.1	116.6	116.1	116.1	119.9	120.9	122.3
158.0	165.1	161.7	162.8	161.4	162.3	163.5	159.5	161.1	161.1	161.8
44.4	49.2	53.6	55.0	50.6	54.9	57.6	60.4	64.0	69.7	69.0
133.4	**136.9**	**136.0**	**137.2**	**136.4**	**137.7**	**138.9**	**137.9**	**139.8**	**141.3**	**141.4**
74.2	60.2	57.1	56.9	56.2	58.2	55.6	54.3	58.2	65.3	70.1
90.0	92.6	93.8	92.2	90.2	93.1	91.4	94.7	94.9	107.6	107.8
135.7	119.7	107.1	102.4	97.3	90.0	101.3	103.3	112.8	118.5	123.2
186.1	179.5	170.0	170.1	172.8	176.5	179.9	180.0	184.5	186.8	187.1
91.9	131.3	99.0	121.6	114.7	95.5	119.3	99.6	136.2	133.5	133.7
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
80.1	81.1	78.9	77.6	86.4	86.5	85.5	86.4	79.3	79.3	76.1
33.6	36.0	33.9	33.5	31.9	30.6	29.8	29.6	31.0	33.1	34.2
150.1	**145.1**	**136.8**	**136.5**	**138.2**	**139.7**	**142.5**	**142.2**	**145.7**	**148.1**	**148.2**
64.6	68.9	70.3	71.8	75.6	78.5	81.7	87.8	88.6	96.0	101.7
65.8	66.2	75.2	51.1	37.2	46.0	50.2	46.1	41.5	43.1	40.4
132.9	136.0	130.0	135.7	138.1	141.5	138.2	137.8	139.2	138.3	139.8
381.8	373.2	369.6	419.4	405.8	404.2	399.2	400.1	465.1	511.8	549.2

107.6	109.1	111.6	114.5	131.7	181.8	198.4	212.2	215.1	195.0	228.4
1131.6	826.8	861.3	894.2	965.6	816.7	766.8	831.2	878.2	931.7	933.4
218.3	221.0	220.8	227.9	227.4	232.6	241.5	244.6	251.6	264.9	274.3
726.4	712.1	706.6	686.8	656.7	619.0	593.9	616.1	615.7	600.7	555.7
36.1	35.4	37.5	38.7	38.0	37.6	37.6	38.0	38.7	38.8	41.1
96.3	**97.1**	**99.5**	**99.0**	**98.7**	**101.5**	**104.1**	**107.5**	**109.8**	**115.6**	**120.6**
39.2	38.1	36.1	36.8	36.6	34.8	35.6	36.4	37.6	38.5	39.8
25.2	26.0	26.5	27.1	28.4	29.6	30.6	30.5	31.7	32.6	33.6
13.6	14.0	14.4	14.6	15.0	14.7	15.7	15.9	15.7	17.7	19.0
97.0	97.1	97.5	94.3	96.0	94.8	94.0	90.4	96.8	104.4	97.7
3.7	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.7	3.9	3.9
3.6	3.5	3.4	3.2	3.2	3.4	3.7	3.8	4.0	4.4	4.3
5.0	5.3	5.1	5.1	5.0	5.2	5.5	5.8	5.6	5.7	5.7
57.2	57.6	59.2	60.8	59.3	63.0	63.6	62.3	63.6	67.8	68.8
18.6	17.2	17.5	19.1	20.3	20.3	20.5	20.3	20.1	20.1	21.4
14.3	**14.3**	**14.2**	**14.1**	**14.2**	**14.2**	**14.4**	**14.2**	**14.5**	**15.2**	**14.9**
233.1	236.4	239.7	242.7	250.6	249.0	248.6	249.6	250.5	255.5	250.7
3.3	3.4	3.5	3.7	3.6	3.8	4.3	4.4	4.5	4.6	4.9
30.1	31.4	31.4	31.2	32.0	32.9	34.5	37.4	43.2	50.3	56.8
106.9	105.1	104.4	104.5	104.1	107.6	134.7	130.8	134.6	150.3	143.6
11.0	11.2	11.6	12.1	12.2	12.6	12.5	12.8	13.1	13.8	14.4
16.0	16.8	17.9	17.4	18.7	20.1	20.9	21.6	23.0	22.6	22.9
167.2	170.0	172.8	168.7	171.4	173.0	171.1	170.3	169.4	171.3	174.1
70.2	76.4	86.7	78.6	86.8	94.6	93.2	97.7	104.1	108.8	113.8
205.8	206.5	204.9	203.3	203.5	210.0	205.8	210.0	200.8	204.3	195.1
11.8	12.2	11.5	12.0	12.2	12.1	12.1	12.3	13.0	14.2	14.4
12.9	13.6	14.3	14.2	14.2	13.8	13.3	13.0	13.2	13.3	13.0
397.0	388.3	396.0	390.2	377.1	395.8	444.0	433.3	406.9	450.3	463.3
139.3	152.3	165.7	151.5	163.7	172.3	175.0	181.9	186.8	189.3	194.5
6.9	7.1	7.6	8.2	8.9	9.5	9.3	9.4	9.7	9.3	10.6
132.4	137.2	145.3	152.7	167.7	170.1	174.3	180.3	187.5	195.4	196.3
37.3	41.7	43.4	39.7	42.0	42.5	44.4	48.4	52.0	55.2	56.8
6.0	6.8	7.7	8.2	8.4	9.4	10.6	11.4	12.2	14.8	15.6
12.1	11.1	10.7	10.1	10.5	11.0	11.1	10.9	11.2	11.1	11.5
29.9	**30.9**	**31.4**	**30.9**	**31.7**	**32.5**	**33.1**	**34.4**	**36.8**	**39.9**	**42.6**
62.9	**63.9**	**63.6**	**63.1**	**63.4**	**64.2**	**64.0**	**64.6**	**66.1**	**68.4**	**69.9**
189.4	194.4	194.9	194.2	195.8	198.3	195.5	195.9	196.1	198.2	198.2
32.5	32.7	32.5	32.3	32.6	33.1	33.8	34.6	36.6	39.2	41.1
147.1	151.8	150.7	152.2	151.3	152.2	154.7	152.9	155.2	156.5	156.2

2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
401.3	410.4	403.8	377.4	380.9	393.9	385.7	393.3	393.4	388.4	383.1
64.8	64.2	64.6	63.1	64.1	66.2	65.7	65.1	64.0	63.1	63.1
321.3	322.7	311.7	293.6	300.9	295.5	285.6	291.1	292.0	287.2	284.9
264.2	**265.5**	**257.4**	**242.6**	**247.8**	**245.5**	**237.8**	**241.7**	**241.8**	**237.8**	**235.6**
75.0	77.5	78.0	75.8	78.9	79.6	81.0	83.5	82.2	83.2	82.2
48.3	50.7	52.4	51.5	56.1	58.1	58.7	60.3	61.2	59.8	57.8
81.6	82.4	80.8	78.3	77.9	83.8	84.9	84.9	82.4	83.2	86.2
29.8	29.5	31.5	29.7	31.5	32.6	34.6	34.7	36.2	36.0	37.5
32.3	33.4	34.9	33.6	36.8	38.4	39.9	40.6	42.0	41.2	40.2
20.9	22.7	24.3	24.7	27.6	30.9	31.1	31.5	31.9	33.5	35.1
593.7	609.5	597.8	589.9	633.9	618.8	605.3	612.4	605.4	584.0	515.4
127.0	125.9	128.3	125.9	117.0	120.5	123.4	118.6	113.7	109.5	100.1
22.7	23.4	23.5	22.7	23.2	24.0	24.5	24.3	24.7	26.5	27.3
46.4	44.6	42.8	39.6	38.9	39.1	38.7	37.7	37.0	37.7	38.7
46.1	48.9	49.6	50.4	52.1	52.3	52.9	54.0	51.8	52.6	55.7
51.5	**52.8**	**53.9**	**52.5**	**54.8**	**56.5**	**57.3**	**58.0**	**57.8**	**57.4**	**56.2**
179.5	174.7	177.6	171.0	176.0	163.9	171.0	168.8	160.7	159.7	163.7
259.8	259.5	261.9	242.9	256.8	237.7	226.9	231.3	214.3	216.1	231.4
113.9	111.1	110.1	97.3	101.8	109.0	104.2	96.9	103.8	111.1	105.9
88.0	88.8	88.4	87.3	88.7	78.1	72.6	79.5	79.8	76.3	79.7
118.5	118.4	119.3	114.7	110.1	107.8	100.0	88.8	88.2	90.2	97.3
184.2	181.1	176.4	168.1	174.3	170.0	168.7	165.3	161.6	158.6	155.9
168.1	158.5	151.7	141.9	148.2	139.1	128.0	133.0	127.9	122.9	123.5
163.5	186.1	178.3	158.9	192.8	199.3	202.3	210.0	205.3	191.8	192.8
259.5	257.8	247.7	228.9	247.8	229.6	221.3	221.7	212.7	210.1	214.7
180.8	176.6	176.1	165.4	169.4	162.0	160.9	161.4	153.8	154.0	151.0
178.1	170.9	173.0	162.6	169.6	163.3	165.1	169.3	161.6	163.8	165.7
134.5	137.9	134.0	130.6	125.1	122.5	116.4	110.7	104.5	105.7	104.4
108.4	107.2	105.9	97.5	99.8	99.6	92.8	88.4	88.9	93.6	95.4
456.1	511.7	626.6	615.3	607.0	601.3	603.2	619.5	616.0	639.7	639.1
162.5	163.9	159.8	143.3	141.0	132.4	130.4	127.6	127.0	133.8	138.2
133.7	130.7	128.5	119.6	122.8	119.4	115.6	109.6	103.1	105.1	106.0
71.3	74.4	75.7	72.5	83.3	75.3	78.5	76.5	71.2	73.7	79.3
96.9	107.5	108.0	100.6	75.5	79.4	80.7	75.3	73.5	77.8	80.3
398.7	379.5	368.5	344.5	354.7	337.9	324.5	302.5	286.6	272.6	263.2
237.9	240.9	237.0	232.7	245.5	234.2	225.8	218.4	205.7	207.6	210.8
57.2	56.9	55.0	54.0	58.2	58.3	54.1	51.8	48.1	50.5	52.3
379.3	402.8	407.8	372.5	355.6	354.9	388.0	358.4	363.6	364.3	364.6
104.7	104.4	106.1	102.3	109.1	109.8	106.6	107.1	103.3	104.5	109.3
99.5	100.0	96.3	96.9	101.7	97.3	89.3	98.1	99.3	99.2	104.9
78.7	76.7	77.6	68.4	69.4	71.7	69.4	64.8	67.5	68.2	68.6
143.6	134.7	139.4	126.9	135.0	129.7	124.4	127.3	118.5	119.4	119.8
152.8	151.2	164.5	150.9	150.6	145.7	141.0	138.9	141.8	128.1	136.6
145.6	146.2	140.1	128.1	130.2	127.4	126.7	120.3	118.4	120.3	121.5
245.7	247.1	240.9	218.8	230.0	225.3	236.8	220.5	217.8	222.8	217.7
166.5	162.6	166.1	163.7	157.4	147.6	153.8	155.9	146.8	142.0	132.3
57.5	60.4	59.9	60.0	62.2	65.5	68.4	66.7	67.7	72.9	75.3
124.7	124.6	121.2	103.3	110.9	115.6	113.1	107.7	95.1	79.0	83.2
158.4	152.1	147.7	138.8	140.8	132.0	132.6	131.0	122.6	123.1	120.9
70.9	69.1	71.0	72.3	77.6	76.5	72.0	76.5	70.5	75.5	80.2
142.1	**140.2**	**139.1**	**130.4**	**134.7**	**131.1**	**130.2**	**128.4**	**123.0**	**123.6**	**124.8**
68.2	61.0	60.9	53.2	51.9	57.0	58.0	58.8	59.2	64.0	62.6
115.1	112.8	114.5	108.8	115.6	115.1	124.3	109.5	113.0	102.6	102.0
129.0	142.4	148.7	132.9	141.4	153.5	156.6	156.0	155.8	151.5	151.6
195.5	196.9	197.8	187.8	195.1	201.2	201.3	198.2	198.4	194.1	198.0
133.6	128.0	103.6	166.5	176.6	192.7	206.4	180.0	183.1	215.3	209.5
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
69.8	73.0	67.6	66.8	65.3	67.3	64.6	63.8	65.3	61.1	56.6
34.2	36.4	34.7	33.2	33.4	35.3	36.2	34.0	34.3	33.6	33.3
153.2	**154.7**	**154.2**	**147.1**	**152.2**	**157.5**	**157.9**	**154.2**	**154.4**	**151.1**	**152.3**
109.9	116.3	119.5	122.1	121.1	125.1	124.6	128.8	132.7	130.2	135.7
40.5	42.2	43.0	47.1	48.9	50.0	51.2	53.1	48.9	47.2	53.0
136.5	140.5	139.2	130.2	135.1	135.6	139.3	127.3	123.2	127.9	128.0
496.3	457.1	468.8	461.0	471.4	446.7	469.5	462.2	405.0	422.9	426.0

242.8	235.1	266.7	255.5	283.9	290.2	293.2	304.4	283.3	282.5	270.1
832.2	763.8	716.4	628.3	651.6	687.6	723.5	731.3	746.5	798.0	751.7
276.8	281.0	298.1	305.4	325.2	325.6	334.7	326.0	339.7	341.6	338.3
506.1	479.6	478.3	422.8	410.3	413.5	425.0	445.2	442.4	484.2	497.6
41.3	41.5	41.6	40.5	39.4	36.6	34.1	32.3	31.6	29.2	28.8
123.6	**127.2**	**132.8**	**133.4**	**137.2**	**139.2**	**141.8**	**143.1**	**144.6**	**146.1**	**148.4**
40.6	42.1	43.9	45.7	43.8	45.6	48.9	50.7	54.2	56.0	54.8
34.6	36.0	37.7	38.5	39.7	39.4	40.5	39.3	38.4	38.4	39.6
19.2	18.8	20.5	19.7	21.6	22.4	22.4	22.7	22.7	22.8	22.7
98.4	99.7	105.5	103.7	103.3	100.3	97.2	96.0	95.7	91.1	94.3
3.9	4.0	3.8	3.9	4.2	4.2	4.2	4.5	4.7	4.8	4.6
4.5	4.5	4.9	5.1	5.3	5.6	5.5	5.8	5.9	5.7	5.7
5.1	5.3	5.5	5.0	5.1	5.5	5.6	5.4	5.5	6.1	6.1
68.2	65.4	67.8	71.4	72.4	51.7	61.2	65.5	63.9	55.4	53.0
20.9	21.4	22.0	22.6	20.3	21.6	23.7	24.5	26.2	26.4	26.1
14.8	**14.9**	**15.5**	**15.4**	**15.5**	**15.1**	**15.3**	**15.3**	**15.3**	**15.1**	**15.2**
261.4	259.8	258.9	251.8	248.1	252.7	245.7	243.8	243.7	243.9	242.5
5.2	5.3	5.6	6.0	6.1	6.6	6.9	7.1	7.3	8.5	8.5
61.9	66.9	69.0	71.6	76.2	81.8	84.6	87.2	88.7	89.1	89.8
151.2	160.0	148.0	160.6	166.0	169.2	161.7	165.1	160.3	163.6	166.6
14.9	16.0	16.7	17.7	18.3	19.1	19.8	20.4	21.5	22.0	22.7
22.9	24.2	23.6	24.1	26.1	28.1	29.3	30.1	27.8	27.5	27.9
173.5	171.7	169.2	154.3	164.4	156.1	155.1	153.9	150.1	148.2	146.0
116.0	121.3	123.2	117.2	118.8	121.1	128.2	132.4	131.9	132.0	137.1
194.4	191.9	190.4	187.9	190.0	188.6	187.5	186.1	192.8	192.7	192.0
14.8	15.4	15.2	15.0	14.8	14.4	13.2	15.1	14.2	14.7	15.7
12.4	12.7	12.9	12.8	13.0	13.0	13.2	13.9	14.4	15.6	16.7
494.0	510.0	520.1	537.9	559.5	567.1	558.3	561.8	570.4	599.4	615.2
196.9	202.5	205.7	205.9	220.8	229.7	230.5	229.4	230.0	233.6	238.5
11.4	11.5	10.7	11.0	11.7	12.2	12.2	12.3	11.0	13.9	14.7
199.3	206.7	194.9	191.1	201.0	198.1	197.6	201.2	205.2	202.4	205.3
57.3	59.5	59.9	61.7	65.3	67.5	71.8	72.7	74.3	76.3	77.7
14.1	15.3	18.8	18.9	21.3	24.0	24.9	26.3	28.5	31.2	33.2
11.7	11.3	11.7	10.6	11.6	11.3	11.7	11.4	12.2	12.6	13.4
44.6	**46.8**	**47.6**	**48.2**	**50.8**	**52.9**	**54.1**	**55.2**	**55.9**	**56.2**	**56.8**
71.0	**72.3**	**72.2**	**70.2**	**72.7**	**73.6**	**73.7**	**74.2**	**73.9**	**73.6**	**73.8**
197.1	196.8	193.2	182.3	187.8	184.6	181.5	182.0	179.4	178.7	178.4
42.9	44.7	45.6	45.8	47.7	49.7	50.6	51.2	51.6	51.5	52.0
156.4	153.5	152.1	142.8	147.5	142.2	140.6	139.1	133.4	134.7	135.7

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			Growth rate per annum	
2017	2018	**2019**	2019	2008-18
384.1	387.0	**379.9**	-1.8%	-0.4%
63.3	62.1	**60.5**	-2.5%	-0.4%
284.0	292.3	**287.6**	-1.6%	-0.6%
235.0	**240.2**	**236.0**	**-1.8%**	**-0.7%**
81.2	79.8	**77.3**	-3.1%	0.2%
58.0	57.9	**58.8**	1.5%	1.0%
85.5	88.7	**87.4**	-1.5%	0.9%
37.6	37.3	**38.2**	2.5%	1.7%
41.0	42.5	**42.8**	0.8%	2.0%
34.6	35.7	**35.7**	0.2%	3.9%
544.4	513.3	**511.6**	-0.3%	-1.5%
97.1	85.0	**78.1**	-8.1%	-4.0%
27.6	28.3	**28.3**	♦	1.9%
37.8	39.1	**40.1**	2.6%	-0.9%
54.8	54.5	**51.4**	-5.8%	0.9%
55.9	**55.3**	**55.0**	**-0.6%**	**0.3%**
166.3	161.7	**167.5**	3.6%	-0.9%
232.7	225.4	**235.1**	4.3%	-1.5%
109.0	109.6	**106.7**	-2.6%	♦
80.3	84.7	**82.3**	-2.8%	-0.4%
99.2	98.0	**97.3**	-0.7%	-2.0%
162.6	161.9	**159.5**	-1.5%	-0.9%
123.7	121.8	**120.7**	-0.8%	-2.2%
212.4	224.4	**180.1**	-19.8%	2.3%
207.2	207.7	**198.4**	-4.5%	-1.7%
149.6	151.9	**148.6**	-2.2%	-1.5%
166.8	161.7	**157.3**	-2.7%	-0.7%
110.4	110.4	**109.4**	-0.9%	-1.9%
100.4	101.3	**102.6**	1.2%	-0.4%
664.2	680.7	**647.8**	-4.8%	0.8%
137.0	138.1	**135.8**	-1.6%	-1.5%
107.0	107.7	**105.3**	-2.3%	-1.8%
87.8	80.7	**83.3**	3.2%	0.6%
86.1	87.8	**88.7**	1.0%	-2.0%
268.5	275.3	**276.1**	0.3%	-2.9%
207.4	206.7	**205.4**	-0.6%	-1.4%
50.5	50.2	**53.7**	7.0%	-0.9%
362.9	356.7	**328.5**	-7.9%	-1.3%
113.7	115.6	**112.9**	-2.3%	0.9%
104.4	105.0	**102.0**	-2.9%	0.9%
70.4	72.2	**70.8**	-2.0%	-0.7%
126.5	124.4	**120.4**	-3.2%	-1.1%
138.1	140.7	**134.8**	-4.2%	-1.6%
123.0	124.6	**122.4**	-1.8%	-1.2%
223.1	217.3	**223.4**	2.8%	-1.0%
131.4	132.3	**131.5**	-0.6%	-2.3%
78.6	76.4	**77.8**	1.9%	2.5%
77.7	80.1	**77.4**	-3.3%	-4.1%
119.8	118.6	**116.1**	-2.1%	-2.2%
80.1	84.7	**91.2**	7.6%	1.8%
125.7	**125.3**	**123.6**	**-1.4%**	**-1.0%**
60.7	61.9	**65.3**	5.5%	0.1%
104.0	110.9	**111.9**	0.9%	-0.3%
158.0	172.1	**167.1**	-2.9%	1.5%
198.4	206.1	**204.3**	-0.9%	0.4%
203.9	224.6	**243.6**	8.4%	8.0%
n/a	n/a	**n/a**	n/a	n/a
56.0	56.3	**54.1**	-4.0%	-1.8%
34.0	36.2	**36.7**	1.4%	0.4%
152.6	**158.9**	**157.5**	**-0.9%**	**0.3%**
140.1	144.6	**148.9**	2.9%	1.9%
50.9	52.2	**56.6**	8.6%	1.9%
131.6	129.6	**132.2**	2.0%	-0.7%
388.9	379.9	**389.2**	2.5%	-2.1%

287.8	307.8	**304.3**	-1.1%	1.4%
705.6	715.8	**714.3**	-0.2%	♦
332.5	323.7	**322.0**	-0.5%	0.8%
497.1	498.5	**494.4**	-0.8%	0.4%
29.0	28.0	**29.2**	4.3%	-3.9%
148.4	**149.0**	**151.1**	**1.4%**	**1.2%**
54.2	57.3	**59.0**	2.9%	2.7%
39.9	39.8	**38.7**	-2.7%	0.5%
23.5	24.0	**26.0**	8.5%	1.6%
92.1	91.6	**92.2**	0.7%	-1.4%
4.8	4.9	**4.9**	1.6%	2.4%
5.4	5.3	**5.2**	-2.5%	0.8%
6.4	6.6	**6.6**	0.3%	1.8%
52.5	53.6	**54.6**	1.7%	-2.3%
27.4	26.3	**25.0**	-5.0%	1.8%
15.1	**15.2**	**15.2**	**-0.1%**	**-0.2%**
238.8	240.8	**254.3**	5.6%	-0.7%
8.7	9.2	**10.8**	17.4%	5.2%
92.1	95.1	**98.8**	3.9%	3.3%
177.1	176.6	**166.9**	-5.5%	1.8%
23.4	24.6	**24.9**	1.2%	4.0%
28.6	30.7	**32.9**	7.2%	2.7%
148.2	148.1	**147.2**	-0.6%	-1.3%
137.4	133.5	**133.4**	♦	0.8%
192.7	189.3	**191.6**	1.2%	-0.1%
16.2	16.4	**16.4**	0.3%	0.8%
18.1	18.3	**18.7**	2.1%	3.6%
628.7	626.2	**611.6**	-2.3%	1.9%
242.1	245.2	**241.5**	-1.5%	1.8%
15.5	16.4	**16.8**	2.4%	4.4%
205.6	207.8	**202.3**	-2.6%	0.6%
78.8	80.7	**80.6**	♦	3.0%
35.1	38.9	**42.7**	9.6%	7.6%
13.6	16.8	**17.0**	1.3%	3.7%
58.0	**59.7**	**61.1**	**2.4%**	**2.3%**
74.2	**75.5**	**75.7**	**0.2%**	**0.4%**
179.1	180.9	**178.5**	-1.3%	-0.7%
52.5	53.8	**54.7**	1.6%	1.7%
136.9	136.4	**134.3**	-1.6%	-1.1%

Carbon Dioxide Emissions

Million tonnes of carbon dioxide	1965	1966	1967	1968	1969	1970	1971	1972	1973
Canada	260.3	271.7	285.5	308.3	320.4	344.9	351.6	368.0	386.7
Mexico	62.1	65.1	66.6	72.2	79.1	84.2	89.5	99.7	107.7
US	3480.1	3675.5	3772.6	3994.2	4170.1	4298.2	4340.7	4564.7	4764.4
Total North America	**3802.6**	**4012.2**	**4124.8**	**4374.7**	**4569.7**	**4727.3**	**4781.8**	**5032.3**	**5258.8**
Argentina	77.3	79.6	81.8	84.2	86.9	80.5	85.3	86.7	89.8
Brazil	51.5	56.2	58.0	68.1	74.3	83.9	92.2	103.5	123.6
Chile	16.7	17.9	18.3	18.7	19.9	20.9	22.4	22.4	21.6
Colombia	21.3	23.1	24.4	25.2	25.3	27.7	26.2	29.3	28.6
Ecuador	2.1	2.2	2.3	2.8	2.9	3.5	3.8	3.8	4.3
Peru	12.5	15.4	15.5	15.7	15.7	16.4	16.4	14.2	16.6
Trinidad & Tobago	7.7	8.0	8.5	8.7	9.0	9.7	9.9	14.3	14.2
Venezuela	43.7	44.0	46.0	49.0	49.1	49.4	49.5	52.3	59.7
Central America	12.3	12.5	13.1	13.4	14.2	14.7	15.4	16.8	17.7
Other Caribbean	48.8	50.2	52.3	53.4	56.5	70.3	71.5	76.5	82.8
Other South America	7.2	7.5	8.0	8.3	8.9	9.1	9.8	11.4	11.6
Total S. & Cent. America	**301.2**	**316.5**	**328.2**	**347.5**	**362.7**	**386.1**	**402.4**	**431.5**	**470.5**
Austria	39.5	39.8	40.1	43.0	46.1	50.7	53.3	54.5	57.9
Belgium	124.7	118.5	123.4	135.1	144.4	149.0	142.1	149.3	147.1
Bulgaria	36.7	39.2	45.2	51.0	55.7	62.4	64.6	66.6	68.6
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	1.2	1.3	1.5	1.6	1.9	2.0	2.4	2.7	2.9
Czech Republic	156.2	157.0	153.8	160.4	167.2	172.5	181.0	180.7	180.6
Denmark	47.7	54.3	54.0	56.1	63.9	67.5	63.2	66.6	65.0
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	24.7	28.1	28.9	33.2	38.9	43.2	43.3	44.8	50.5
France	329.4	331.0	355.9	369.3	404.4	433.7	453.6	477.8	518.8
Germany	910.4	901.0	892.4	944.8	1011.9	1043.4	1045.1	1067.3	1116.4
Greece	22.5	23.7	26.0	27.2	27.8	29.8	37.2	41.9	48.9
Hungary	59.5	59.3	55.3	56.4	59.5	63.0	64.1	65.4	69.9
Iceland	1.5	1.6	1.5	1.7	1.5	1.5	1.7	1.8	2.0
Ireland	20.0	22.7	24.7	29.2	29.1	21.5	22.4	23.2	24.3
Italy	204.9	222.7	246.2	266.5	288.3	320.4	342.3	357.8	374.8
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	13.4	12.7	12.4	13.4	14.4	14.9	14.2	14.5	15.2
Netherlands	113.0	117.8	122.8	138.2	149.1	166.9	171.9	196.7	206.3
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	17.7	19.4	20.0	21.9	24.0	26.8	26.5	27.9	28.0
Poland	253.0	257.2	263.5	281.6	299.0	312.8	321.9	339.4	342.7
Portugal	10.5	10.8	11.6	12.0	12.4	14.9	16.5	17.7	20.1
Romania	68.1	72.5	80.7	86.0	98.6	105.0	110.1	114.6	125.8
Slovakia	31.1	32.1	32.2	35.1	37.0	39.7	42.5	44.3	45.7
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	80.4	84.7	95.5	99.1	108.6	121.1	126.8	135.5	155.4
Sweden	68.8	76.1	75.2	83.8	88.8	96.9	89.8	91.4	93.1
Switzerland	29.2	29.7	31.3	34.3	36.9	40.4	42.1	42.9	46.2
Turkey	25.1	29.0	29.1	32.3	35.2	39.3	43.9	48.9	54.2
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	688.1	680.9	670.1	689.7	707.6	724.5	697.4	690.5	728.7
Other Europe	50.4	51.8	50.5	54.9	56.1	62.2	73.3	74.0	78.4
Total Europe	**3427.8**	**3474.9**	**3543.9**	**3757.7**	**4008.3**	**4226.1**	**4293.2**	**4439.0**	**4667.7**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	1919.1	2027.5	2120.8	2172.9	2253.6	2337.4	2431.9	2548.9	2660.5
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**1919.1**	**2027.5**	**2120.8**	**2172.9**	**2253.6**	**2337.4**	**2431.9**	**2548.9**	**2660.5**
Iran	21.8	24.0	26.7	29.7	32.8	38.4	41.6	46.8	57.3
Iraq	5.1	5.7	5.8	6.2	7.2	9.2	10.0	12.1	11.7
Israel	11.9	12.4	12.9	13.5	14.1	14.7	15.3	15.9	17.0
Kuwait	17.1	17.9	18.3	19.2	19.7	16.2	16.2	18.0	18.0

Oman	1.4	1.5	1.5	1.6	1.7	1.7	4.3	4.9	4.3
Qatar	0.3	0.3	0.4	1.3	2.1	2.4	2.3	2.6	3.7
Saudi Arabia	62.5	63.3	64.1	65.0	65.9	67.0	67.1	71.9	76.5
United Arab Emirates	0.2	0.2	1.1	1.5	1.5	2.0	3.0	3.3	4.3
Other Middle East	17.7	18.4	19.2	20.3	21.2	21.3	22.7	22.6	25.3
Total Middle East	**138.0**	**143.7**	**150.1**	**158.3**	**166.1**	**172.9**	**182.6**	**198.1**	**218.0**
Algeria	5.6	6.9	6.4	6.8	7.6	8.3	8.9	10.0	11.6
Egypt	22.9	24.0	20.1	21.1	15.9	20.2	20.5	23.1	21.6
Morocco	3.6	5.3	5.7	6.1	6.5	6.9	7.3	7.9	9.3
South Africa	113.2	113.5	116.8	123.1	126.3	131.6	142.2	145.7	156.6
Eastern Africa	23.8	25.9	26.8	28.0	28.7	30.8	35.5	35.7	38.1
Middle Africa	6.9	7.1	7.2	7.5	7.8	7.9	9.3	9.6	10.7
Western Africa	13.4	14.3	13.6	12.8	14.0	15.5	21.1	22.5	24.6
Other Northern Africa	4.5	4.9	5.2	6.0	6.6	7.8	7.1	8.9	12.0
Other Southern Africa	0.1	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5
Total Africa	**193.9**	**202.2**	**202.2**	**211.6**	**213.7**	**229.3**	**252.3**	**264.0**	**284.9**
Australia	113.8	125.1	132.4	139.7	144.3	155.3	161.2	168.2	178.6
Bangladesh	n/a	n/a	n/a	n/a	n/a	n/a	2.2	3.3	3.8
China	488.5	530.3	475.9	476.7	582.5	748.5	881.7	945.4	987.0
China Hong Kong SAR	7.1	7.7	9.1	9.8	11.5	12.3	13.0	14.7	15.3
India	167.5	170.0	174.5	182.5	197.5	189.9	206.6	218.6	219.0
Indonesia	20.1	19.5	18.7	19.6	21.3	22.6	23.5	25.4	29.7
Japan	446.9	492.8	578.2	641.6	731.5	810.5	845.3	880.9	995.0
Malaysia	7.0	8.2	8.3	8.4	8.7	9.6	10.8	12.2	13.3
New Zealand	15.0	15.8	15.7	15.7	16.2	18.2	18.1	19.4	20.9
Pakistan	19.5	19.3	21.1	23.8	23.2	22.7	20.9	17.6	18.6
Philippines	13.2	14.4	16.2	18.4	19.7	22.4	26.0	25.5	29.6
Singapore	13.1	15.0	18.0	22.4	22.0	23.9	20.7	25.9	24.2
South Korea	24.9	29.6	32.8	36.3	42.5	49.0	52.6	54.6	67.7
Sri Lanka	1.5	1.5	1.5	1.6	1.6	3.1	2.9	3.1	3.2
Taiwan	18.8	20.0	21.8	23.9	25.2	27.6	33.9	35.3	41.5
Thailand	7.4	8.7	9.9	13.0	14.1	16.3	17.9	22.3	23.6
Vietnam	8.2	13.9	19.0	19.8	23.3	24.3	21.8	21.1	22.7
Other Asia Pacific	52.6	56.3	61.7	67.2	71.9	77.4	85.1	88.2	90.9
Total Asia Pacific	**1425.2**	**1548.3**	**1614.7**	**1720.4**	**1956.9**	**2233.7**	**2444.2**	**2581.7**	**2784.7**
Total World	**11207.7**	**11725.3**	**12084.7**	**12743.1**	**13530.9**	**14312.9**	**14788.4**	**15495.5**	**16345.1**
of which: OECD	7703.2	8015.8	8281.0	8804.5	9334.1	9790.5	9939.5	10374.7	10951.6
Non-OECD	3504.6	3709.5	3803.8	3938.6	4196.8	4522.4	4848.8	5120.7	5393.5
European Union #	3304.5	3344.1	3412.1	3613.6	3855.7	4057.0	4106.8	4244.5	4459.9

◆ Less than 0.05%.

n/a not available.

USSR includes CIS, Georgia, Ukraine and the Baltic States.

Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Notes: The carbon emissions above reflect only those through consumption of oil, gas and coal for combustion related activities, and
'Default CO2 Emissions Factors for Combustion' listed by the IPCC in its Guidelines for National Greenhouse Gas Inventories (2006).
This does not allow for any carbon that is sequestered, for other sources of carbon emissions, or for emissions of other greenhouse ga
Our data is therefore not comparable to official national emissions data.

Contents

1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
393.0	389.7	410.0	434.5	421.1	427.6	437.8	418.4	405.7	387.4	407.3	402.5	391.1
120.9	131.1	138.9	146.5	165.1	180.2	198.1	211.0	221.3	217.8	226.5	233.9	230.4
4596.4	4466.3	4741.9	4900.3	4863.2	4958.3	4785.7	4638.1	4398.0	4372.5	4574.2	4585.5	4597.7
5110.2	**4987.1**	**5290.7**	**5481.4**	**5449.4**	**5566.1**	**5421.6**	**5267.5**	**5025.0**	**4977.8**	**5208.0**	**5221.9**	**5219.1**
91.8	87.8	92.8	97.4	97.0	101.5	98.2	93.5	93.8	96.1	93.0	88.6	101.8
133.4	139.2	149.5	156.0	168.4	176.4	175.8	167.3	167.9	162.7	169.7	176.8	191.7
20.7	18.0	18.9	19.6	20.8	21.5	22.1	22.5	19.2	19.4	20.6	20.2	20.9
32.3	32.7	33.8	34.5	35.8	37.6	37.4	38.5	40.0	42.5	42.7	44.0	43.7
4.8	4.8	5.6	6.8	6.9	7.3	9.2	10.0	10.9	10.1	10.6	12.8	13.0
19.6	20.1	20.1	20.2	19.9	20.7	22.2	22.8	22.5	19.5	20.3	19.6	20.9
13.3	10.2	11.7	11.7	11.0	9.1	8.6	9.6	9.9	9.0	8.1	8.4	9.1
60.8	62.7	66.2	73.9	75.2	83.2	95.4	99.2	99.8	98.4	98.5	100.0	105.8
17.8	19.8	20.3	20.5	20.8	20.8	19.6	19.5	19.4	19.2	18.7	18.7	18.8
82.0	79.4	80.6	84.8	86.4	88.9	99.2	99.9	87.4	83.7	88.8	83.3	81.4
10.5	11.9	12.2	12.8	14.8	15.6	15.2	14.6	13.8	12.0	11.8	12.6	12.6
487.0	**486.6**	**511.7**	**538.3**	**557.0**	**582.7**	**602.7**	**597.5**	**584.7**	**572.5**	**582.9**	**585.1**	**619.5**
55.2	53.3	58.0	53.8	56.6	59.1	57.9	54.5	51.9	51.3	53.2	54.3	53.9
141.4	126.1	132.1	131.6	136.8	142.2	136.1	129.4	121.9	109.3	113.2	114.2	113.7
69.9	75.1	75.9	78.4	82.1	84.9	89.1	85.5	87.0	86.0	85.0	84.9	87.9
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2.4	2.1	2.1	2.5	2.6	2.7	2.7	2.5	3.1	3.2	3.2	3.6	3.7
181.4	188.1	193.7	199.2	201.5	202.6	195.2	194.3	191.8	191.5	195.8	193.9	192.0
59.2	56.4	62.5	63.9	65.7	66.2	66.2	58.9	57.4	54.4	55.3	62.7	63.6
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	38.5	38.5
46.0	47.0	53.3	52.5	55.5	57.4	57.5	48.5	47.0	45.5	48.3	53.4	53.2
500.5	457.1	509.6	493.1	497.7	510.2	485.0	441.8	418.6	402.8	387.7	381.8	369.9
1085.3	1025.3	1093.4	1072.5	1052.7	1104.2	1077.8	1043.9	1003.3	1018.0	1038.3	1045.8	1037.3
48.3	56.2	63.1	67.1	65.2	54.1	52.9	52.6	52.6	54.8	56.9	60.2	60.1
71.7	72.8	76.1	80.5	85.5	84.4	83.1	81.5	81.6	77.8	79.3	79.5	77.9
1.9	1.8	1.8	1.9	2.0	2.0	1.9	1.9	1.7	1.7	1.9	1.9	1.9
24.8	23.2	23.8	25.0	26.2	28.7	27.4	26.4	26.1	25.7	25.4	26.9	28.6
374.9	368.8	384.4	378.8	377.2	388.9	383.2	374.1	370.6	353.1	355.5	354.4	362.5
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	25.2	23.3
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37.4	33.6
15.4	12.6	12.5	11.4	11.9	12.3	11.4	9.6	9.0	8.4	9.2	9.4	9.1
189.2	184.9	203.4	200.0	184.6	191.3	180.9	174.0	168.4	164.7	169.8	172.7	174.9
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
26.2	26.9	29.6	29.5	31.3	32.6	30.1	28.5	27.3	27.3	27.3	28.7	31.1
352.1	380.1	400.6	417.4	437.5	443.8	465.9	419.3	428.6	429.7	447.3	457.7	469.4
21.0	21.8	22.8	22.2	23.3	24.9	26.3	28.3	28.4	29.5	28.4	27.4	30.9
126.0	136.8	148.0	156.2	169.4	174.2	174.5	174.4	172.4	174.2	171.8	172.5	178.0
46.8	49.0	50.5	52.8	55.5	56.5	56.8	55.9	55.0	54.8	58.8	58.5	55.7
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
162.0	168.4	185.2	179.2	174.1	186.6	208.2	211.9	208.6	211.4	201.8	194.4	196.9
86.0	85.4	92.9	89.2	104.7	114.4	100.3	89.6	83.4	73.6	71.4	79.2	84.5
41.3	39.9	41.6	42.1	42.6	41.0	41.6	39.4	37.2	40.8	40.1	41.3	44.3
56.5	60.7	66.8	73.1	77.1	71.7	74.7	74.2	81.4	87.1	91.4	100.4	109.0
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	694.4	701.8
675.2	636.0	645.7	654.0	637.8	665.2	606.5	584.8	567.2	562.4	538.6	572.6	590.8
83.9	86.4	91.5	95.8	104.4	113.3	107.8	114.5	118.5	127.6	134.6	169.8	175.8
4544.4	**4442.0**	**4721.0**	**4723.8**	**4761.5**	**4915.5**	**4800.9**	**4600.2**	**4500.2**	**4466.8**	**4489.4**	**5397.6**	**5453.9**
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	50.4	54.2
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	89.6	102.3
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	231.2	236.4
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2172.4	2210.8
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	33.2	39.2
2762.6	2895.7	2990.1	3098.1	3195.8	3258.5	3280.4	3313.0	3376.8	3414.8	3474.7	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	101.4	100.5
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	82.7	81.5
2762.6	**2895.7**	**2990.1**	**3098.1**	**3195.8**	**3258.5**	**3280.4**	**3313.0**	**3376.8**	**3414.8**	**3474.7**	**2760.8**	**2824.8**
64.1	75.2	85.8	97.1	94.4	103.1	95.8	97.6	110.0	130.8	141.5	154.5	144.4
11.4	12.2	15.5	16.4	13.6	16.7	22.6	22.9	23.9	26.9	29.4	34.7	38.4
17.2	17.8	18.9	19.9	21.3	23.4	23.6	24.1	25.4	26.0	27.0	26.3	27.8
17.2	15.5	18.2	18.5	20.2	24.5	20.2	26.1	26.7	29.8	31.5	30.7	34.5

3.9	3.5	4.0	3.8	4.2	4.8	3.9	4.1	5.7	5.1	7.5	7.6	7.0
3.2	4.8	3.0	4.2	4.1	9.4	10.3	9.4	10.3	10.6	12.5	13.1	14.8
80.9	62.7	72.4	85.6	94.9	115.8	97.9	110.5	122.6	133.9	156.9	161.5	158.9
4.8	5.3	6.8	11.1	12.7	15.2	25.9	29.9	32.5	31.4	38.7	48.2	58.4
27.6	30.1	33.9	37.0	38.5	43.8	42.1	44.0	52.0	55.7	60.3	61.4	61.9
230.3	**227.0**	**258.5**	**293.6**	**304.0**	**356.7**	**342.3**	**368.7**	**409.1**	**450.3**	**505.1**	**538.0**	**545.9**
13.0	15.5	17.9	19.3	24.5	32.1	38.5	46.3	54.3	59.0	57.0	57.6	61.0
24.7	27.6	32.5	34.8	36.3	40.1	45.7	52.5	59.1	64.9	70.4	73.1	74.8
9.8	10.3	11.3	12.4	13.2	14.8	14.9	14.8	15.7	16.3	16.6	17.2	17.8
161.8	172.5	180.0	185.0	182.2	190.1	205.9	240.3	264.0	270.4	290.4	297.1	299.4
37.3	35.3	38.2	36.4	35.7	36.0	37.4	35.7	34.5	35.2	34.8	36.0	39.4
11.2	10.1	10.2	10.8	12.5	12.7	13.2	14.1	13.0	14.7	13.1	14.7	14.3
25.0	26.9	33.3	35.7	38.7	42.8	47.1	48.5	51.4	49.8	45.8	47.5	45.1
13.1	14.5	17.3	19.6	21.9	25.3	27.7	29.5	30.7	32.2	32.3	35.5	36.0
0.5	0.6	1.0	1.2	1.3	1.5	1.5	2.0	2.0	1.8	1.9	2.2	2.4
296.4	**313.2**	**341.7**	**355.3**	**366.5**	**395.4**	**431.9**	**483.8**	**524.6**	**544.4**	**562.2**	**580.9**	**590.1**
189.0	191.9	198.4	208.4	213.7	222.1	223.9	225.6	226.6	226.1	236.4	237.5	245.8
4.1	4.9	5.1	5.3	5.8	6.4	7.3	7.5	7.9	7.5	7.6	8.9	9.7
1006.8	1131.3	1183.1	1293.5	1418.5	1458.5	1471.2	1448.5	1512.4	1607.7	1733.4	1833.5	1916.3
15.6	14.7	17.4	18.8	19.6	20.0	20.5	21.8	24.7	27.0	28.1	29.6	31.2
238.6	253.4	263.8	277.6	276.5	295.9	310.3	339.8	341.8	364.6	385.9	408.9	437.9
31.4	36.9	39.7	48.1	52.7	61.0	67.3	74.8	76.9	78.5	83.2	84.7	93.4
985.7	923.6	951.2	960.7	924.3	949.7	920.7	914.7	863.6	864.0	952.6	930.5	919.8
13.4	13.8	15.6	17.6	23.2	28.4	30.5	31.7	33.8	38.6	39.9	39.2	41.8
20.6	19.9	21.6	22.4	21.2	19.8	19.2	18.8	20.4	20.5	20.7	21.1	22.3
20.0	21.1	21.2	22.7	23.8	25.8	27.8	29.6	31.9	34.2	36.5	39.0	42.5
27.8	30.0	31.0	34.0	35.3	36.3	34.7	33.0	31.9	33.8	29.2	27.5	27.7
23.9	23.5	27.9	28.0	28.5	30.4	30.1	34.7	33.7	35.7	36.7	37.1	43.3
68.8	75.3	84.1	96.2	104.0	119.2	123.4	128.7	129.1	135.3	148.0	158.9	170.0
2.5	2.5	2.4	2.6	3.0	3.1	3.2	3.8	4.3	4.7	4.0	3.6	3.5
38.6	41.9	52.2	57.1	65.3	67.7	73.6	64.8	62.4	68.6	69.6	74.9	85.9
24.3	26.1	27.6	30.9	34.8	36.1	37.7	36.8	36.4	40.4	44.1	47.0	48.7
17.3	19.8	12.1	12.9	13.1	13.9	14.9	15.2	16.4	17.3	17.2	17.4	18.9
96.5	99.6	105.1	111.8	118.7	127.5	137.2	141.7	148.0	154.0	157.0	166.3	166.9
2824.8	**2930.1**	**3059.4**	**3248.7**	**3381.9**	**3521.7**	**3553.6**	**3571.6**	**3601.9**	**3758.6**	**4030.1**	**4165.6**	**4325.7**
16255.8	**16281.7**	**17173.1**	**17739.3**	**18016.1**	**18596.5**	**18433.6**	**18202.3**	**18022.4**	**18185.1**	**18852.4**	**19249.9**	**19579.1**
10674.6	10375.0	10987.2	11199.4	11157.6	11462.1	11181.4	10825.3	10428.5	10344.9	10708.2	10888.8	10932.4
5581.2	5906.7	6185.9	6539.9	6858.5	7134.4	7252.2	7377.0	7593.9	7840.3	8144.2	8361.0	8646.7
4335.7	4227.5	4490.7	4482.5	4505.3	4656.1	4546.1	4343.1	4235.3	4183.4	4195.2	4362.6	4391.5

are based on

ases.

1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
403.9	434.1	453.5	439.5	422.4	435.5	431.0	445.4	462.1	471.6	486.1	500.1	506.1
239.9	241.0	253.9	267.7	277.1	280.0	284.0	307.6	294.9	306.3	319.9	337.1	333.9
4748.9	4968.4	5056.9	4969.6	4922.0	5004.1	5116.9	5195.3	5228.0	5407.9	5483.2	5524.2	5574.1
5392.7	**5643.4**	**5764.3**	**5676.8**	**5621.5**	**5719.6**	**5831.9**	**5948.3**	**5984.9**	**6185.8**	**6289.2**	**6361.3**	**6414.1**
106.5	111.1	107.6	101.4	103.2	109.7	109.4	109.5	113.0	123.2	117.6	123.4	123.3
197.6	201.1	205.1	196.6	206.0	216.3	227.2	237.2	251.7	270.8	283.9	294.4	297.4
21.6	25.5	30.8	31.7	32.7	33.4	35.6	38.8	42.3	47.7	54.9	56.4	58.3
48.2	46.4	48.8	42.0	44.6	52.7	55.3	58.3	58.8	57.5	62.5	63.3	55.0
13.1	15.6	15.8	16.6	18.7	18.8	18.8	20.2	19.9	22.5	25.7	25.7	22.4
22.5	22.2	19.8	19.6	18.6	19.2	19.9	21.6	24.3	25.5	25.8	25.4	25.9
8.0	8.3	8.0	9.6	9.1	10.6	10.7	10.2	11.3	11.8	10.8	10.3	12.4
101.2	103.6	106.4	112.2	106.2	117.5	114.7	124.9	128.2	119.4	127.2	137.9	132.5
20.2	19.5	20.4	21.1	23.1	26.3	28.1	30.8	34.1	33.4	36.0	41.4	40.8
85.1	85.2	89.7	89.1	84.7	83.3	84.5	89.4	87.2	88.6	94.1	97.1	90.8
13.0	14.5	14.8	14.1	14.7	15.4	16.1	17.9	20.4	21.0	21.3	21.8	23.6
636.9	**653.3**	**667.3**	**654.0**	**661.6**	**703.2**	**720.4**	**758.8**	**791.1**	**821.3**	**859.7**	**897.0**	**882.3**
54.9	53.4	53.7	58.1	63.0	57.7	58.2	58.7	61.3	63.1	63.7	63.9	63.2
115.2	117.2	119.8	128.5	132.9	130.1	128.1	132.0	130.8	139.4	138.0	142.0	135.3
87.8	86.6	86.8	74.3	60.2	58.4	60.4	56.8	58.8	57.1	56.1	53.9	46.1
n/a	n/a	n/a	21.3	14.8	14.5	15.5	14.4	15.1	15.1	16.6	18.9	18.6
4.6	4.7	4.7	5.0	5.1	6.0	6.3	6.3	6.7	6.8	6.9	7.2	7.6
190.6	190.9	184.9	155.3	143.2	136.6	134.1	128.6	130.2	132.9	127.2	121.6	113.9
61.0	59.7	54.0	55.8	65.5	60.0	63.4	68.2	65.4	79.1	69.2	64.9	61.5
39.0	38.0	39.2	38.3	34.4	26.2	20.7	20.5	19.2	20.1	19.9	18.4	16.8
56.0	55.3	55.7	57.8	56.9	54.7	56.6	63.1	58.9	65.1	63.2	60.7	60.3
362.4	359.1	370.5	367.2	390.7	379.4	362.0	348.7	356.2	372.5	361.2	384.9	384.4
1031.4	1017.0	1003.8	1007.6	969.7	923.7	916.3	896.9	889.4	914.8	888.0	879.0	855.9
67.1	71.7	78.5	82.7	82.3	84.8	86.1	87.5	89.5	90.9	94.2	99.7	98.1
79.2	75.1	71.3	71.8	66.6	61.6	58.6	58.4	58.3	59.4	57.4	57.8	59.2
2.0	2.1	2.2	2.2	2.1	2.2	2.3	2.3	2.4	2.6	2.6	2.6	2.6
29.7	29.1	29.8	31.0	31.6	31.8	32.2	33.1	33.9	35.7	37.4	40.0	42.1
378.2	383.9	403.2	396.8	396.5	394.6	390.2	387.5	406.7	402.4	407.1	420.4	423.0
20.3	19.4	18.8	18.4	17.6	12.8	10.8	9.9	9.1	9.2	8.3	8.0	7.4
36.0	35.4	36.2	36.1	39.0	20.7	16.4	15.4	14.3	14.8	14.1	14.7	12.7
8.3	8.5	9.9	10.3	11.0	11.0	11.1	10.6	8.7	8.9	8.5	8.0	8.5
182.5	187.8	188.4	191.9	199.6	200.1	205.0	202.2	208.6	219.6	217.2	218.1	215.1
n/a	n/a	n/a	8.8	8.5	8.7	9.1	8.5	8.4	9.6	8.6	9.9	9.1
30.2	29.8	30.2	29.0	27.3	28.9	29.8	31.6	31.6	34.3	35.5	36.5	36.2
485.6	474.8	456.6	373.5	368.4	353.1	352.2	334.3	341.3	355.0	350.5	330.9	323.8
31.6	32.6	41.0	39.1	42.1	46.0	45.2	45.6	53.0	50.4	50.9	56.7	62.2
186.2	188.1	189.4	178.2	143.3	125.1	122.2	117.9	127.6	126.2	115.1	101.7	86.3
56.8	57.4	53.4	54.8	48.5	46.0	43.2	40.1	40.8	40.9	39.5	39.1	38.3
n/a	n/a	n/a	13.3	12.5	12.3	13.0	13.1	13.9	14.7	15.2	14.7	14.3
203.4	196.5	217.2	214.6	220.4	241.1	226.1	234.2	248.0	244.4	263.8	274.3	298.9
73.7	69.1	66.4	67.4	59.7	61.5	61.0	64.2	61.5	66.8	61.3	68.4	65.3
41.9	41.7	40.4	43.3	44.2	44.6	42.2	43.4	40.9	42.5	44.2	44.7	44.2
118.5	115.9	129.1	136.2	139.6	143.7	148.3	147.0	161.1	175.2	185.0	186.9	187.6
709.9	686.2	652.9	757.7	694.2	609.5	506.0	417.1	403.2	361.8	340.0	333.9	335.8
594.3	594.3	584.3	595.2	605.5	588.6	574.6	561.4	558.8	579.4	559.9	560.8	551.2
171.7	177.7	172.6	131.6	109.6	96.2	83.6	65.4	68.9	72.4	82.4	85.2	73.2
5509.9	**5458.7**	**5445.0**	**5453.1**	**5306.6**	**5072.3**	**4890.8**	**4725.1**	**4782.6**	**4883.1**	**4808.5**	**4828.6**	**4758.4**
52.2	52.1	52.8	54.3	52.0	44.0	41.5	37.9	35.8	29.3	27.9	27.8	27.2
102.7	103.4	99.3	94.1	94.6	87.9	74.1	61.9	53.8	55.2	55.9	54.5	52.2
241.0	248.6	242.1	240.6	238.3	236.3	208.5	192.8	168.9	147.0	129.9	123.0	114.2
2268.3	2291.8	2290.1	2233.9	2167.9	2072.6	1895.2	1726.3	1616.4	1562.9	1463.6	1445.3	1445.8
39.0	39.2	40.3	34.7	35.9	34.1	26.7	28.4	23.6	33.8	26.3	32.7	31.6
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
100.3	107.0	109.4	103.4	105.0	100.0	108.3	101.2	97.3	100.1	98.4	102.6	114.1
82.4	84.5	83.7	83.9	67.0	52.0	35.7	25.2	20.9	21.7	21.2	21.3	17.4
2885.9	**2926.6**	**2917.6**	**2845.0**	**2760.7**	**2626.9**	**2390.0**	**2173.5**	**2016.6**	**1949.9**	**1823.1**	**1807.1**	**1802.5**
153.4	161.4	176.9	190.6	211.0	226.5	212.0	238.6	248.9	262.5	272.6	278.8	297.7
43.9	50.8	57.3	52.3	36.3	56.5	78.0	89.8	87.4	91.0	108.3	74.2	55.3
30.6	32.6	34.0	35.0	36.3	39.5	41.7	45.4	50.4	53.6	53.3	56.7	58.5
32.4	36.1	38.9	18.4	11.5	19.9	25.7	32.1	39.0	38.6	39.9	47.5	49.4

7.9	7.7	8.8	11.3	15.7	14.9	14.1	13.2	15.3	15.6	15.6	16.0	18.7
14.8	12.8	13.8	14.2	15.7	24.4	26.2	26.7	27.1	20.1	21.4	23.1	26.0
168.3	173.2	168.8	202.3	212.1	208.6	213.0	249.5	242.1	246.6	250.9	265.0	269.8
64.9	72.6	80.8	82.2	100.8	98.1	102.0	111.2	115.2	117.7	122.4	124.8	125.2
66.0	68.3	68.8	72.7	77.8	80.3	82.4	84.9	91.6	93.1	99.7	104.8	106.2
582.3	**615.5**	**648.1**	**679.0**	**717.1**	**768.7**	**795.1**	**891.4**	**917.0**	**938.8**	**984.1**	**991.0**	**1007.0**
62.7	66.9	65.1	65.4	65.3	66.6	62.1	62.8	65.2	64.3	61.8	64.4	64.4
78.6	81.0	85.5	87.9	88.6	88.0	87.5	88.4	93.5	99.5	103.9	108.1	113.6
18.2	19.2	21.0	21.3	21.5	24.2	25.2	27.3	27.1	27.6	28.4	29.9	31.5
306.8	330.5	312.5	324.9	319.2	327.2	329.6	340.3	351.2	357.3	365.2	357.6	370.1
41.6	44.5	45.6	51.9	47.8	48.1	52.2	52.2	52.9	53.0	55.2	54.8	54.8
14.7	15.7	15.5	14.4	13.1	13.1	13.5	13.2	13.0	13.1	13.6	12.6	13.6
47.3	50.5	52.3	50.8	52.7	58.4	59.0	58.5	59.6	64.5	64.7	68.4	68.3
38.4	39.0	41.4	40.5	40.6	41.4	43.0	47.8	50.2	52.2	53.6	55.7	55.0
2.5	2.8	3.1	5.3	6.2	6.9	7.0	7.4	7.7	7.3	7.8	8.5	8.8
610.7	**650.0**	**642.0**	**662.3**	**655.0**	**673.8**	**679.0**	**697.8**	**720.2**	**738.8**	**754.2**	**760.0**	**780.1**
253.3	265.3	278.3	282.2	282.4	284.6	291.4	302.1	311.5	320.7	330.8	340.2	356.8
10.6	10.9	11.8	12.8	12.0	13.1	14.1	14.8	18.2	18.4	20.8	21.1	21.9
2061.5	2210.9	2309.7	2323.8	2455.9	2581.2	2787.3	2938.1	3028.8	3177.7	3166.8	3163.4	3294.4
34.8	40.2	42.8	41.3	43.0	50.1	55.1	48.4	52.2	49.7	49.0	50.8	50.2
474.7	511.5	558.6	601.6	634.5	671.3	693.4	724.0	773.1	811.9	854.1	894.4	911.3
101.7	107.1	116.9	135.8	146.3	160.5	171.0	183.1	195.5	206.5	231.5	229.5	247.9
927.6	999.3	1025.5	1089.8	1107.1	1119.0	1113.3	1177.9	1192.7	1213.4	1212.4	1181.5	1213.4
42.8	45.4	52.3	58.8	70.5	76.3	77.2	85.4	87.3	99.0	114.8	105.4	119.0
23.1	23.8	21.0	26.2	26.7	28.3	27.9	28.8	29.3	30.1	31.9	30.7	32.1
47.4	50.9	55.3	57.8	61.4	65.8	72.5	76.1	80.7	84.7	85.9	88.3	94.1
32.0	35.1	37.8	39.9	39.4	47.5	48.8	51.2	58.0	62.5	68.5	69.2	67.4
44.7	52.1	59.8	69.6	71.2	76.3	83.1	95.7	98.6	98.4	102.4	101.2	100.0
179.2	204.1	215.5	235.4	263.8	288.3	317.9	343.4	372.7	413.6	438.3	377.9	412.1
4.0	3.9	3.7	3.9	4.1	4.9	4.7	5.2	5.7	7.0	7.6	8.1	8.9
91.0	106.9	117.2	120.4	129.9	138.8	151.3	157.9	169.0	177.3	192.6	206.3	234.2
57.7	64.9	74.7	89.7	99.9	110.5	124.9	140.0	153.9	171.9	178.7	163.8	171.2
21.4	20.9	17.8	17.9	17.4	18.3	20.5	22.9	27.2	31.2	37.8	41.2	40.2
160.7	162.0	159.6	154.3	150.3	134.3	127.2	119.7	116.1	107.1	107.1	101.7	108.4
4568.2	**4915.3**	**5158.3**	**5361.3**	**5616.0**	**5869.1**	**6181.6**	**6514.9**	**6770.4**	**7081.0**	**7231.1**	**7174.7**	**7483.4**
20186.5	**20863.0**	**21242.6**	**21331.5**	**21338.6**	**21433.7**	**21488.9**	**21709.9**	**21982.9**	**22598.7**	**22749.9**	**22819.7**	**23127.8**
11177.7	11509.5	11708.0	11653.4	11641.3	11666.6	11747.5	11923.3	12077.6	12498.9	12593.7	12622.4	12727.1
9008.8	9353.4	9534.6	9678.1	9697.3	9767.1	9741.4	9786.5	9905.3	10099.9	10156.2	10197.3	10400.7
4437.5	4407.2	4419.8	4346.5	4283.4	4141.0	4072.3	4012.7	4068.8	4187.3	4113.0	4131.7	4072.7

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
527.6	525.5	536.5	548.1	541.7	542.7	527.6	551.7	545.6	503.8	530.1	541.0	526.3
353.8	352.4	371.6	372.9	390.4	416.6	427.3	429.6	432.2	433.5	442.6	465.8	474.0
5740.8	5650.7	5672.4	5737.9	5839.0	5873.1	5795.1	5884.2	5699.1	5289.1	5485.7	5336.4	5090.0
6622.2	**6528.6**	**6580.5**	**6658.8**	**6771.1**	**6832.4**	**6750.0**	**6865.5**	**6677.0**	**6226.4**	**6458.4**	**6343.3**	**6090.3**
124.8	116.0	110.2	119.7	130.0	138.6	143.6	156.8	160.2	154.5	166.0	168.7	175.3
301.7	311.0	311.1	308.2	322.9	330.0	335.4	349.8	373.0	350.5	398.3	423.8	442.9
56.4	53.8	55.3	55.3	60.2	61.5	65.4	76.5	77.4	74.4	76.1	87.0	89.4
54.9	52.9	50.5	52.4	51.9	50.9	61.3	60.0	67.4	65.2	72.6	71.2	79.7
20.3	20.9	20.3	20.4	23.1	25.2	26.7	27.0	27.5	27.9	32.1	32.8	34.3
26.0	24.4	25.1	24.3	27.4	28.6	27.2	31.0	34.4	34.5	39.4	45.6	45.3
13.2	14.0	15.9	18.1	19.1	19.1	22.3	24.5	24.8	23.0	25.2	24.8	24.7
134.2	146.9	148.5	128.9	142.0	146.7	165.8	164.5	172.3	172.9	167.2	172.0	182.1
42.7	45.9	46.1	48.2	49.2	49.2	51.9	54.6	55.0	53.9	54.9	58.9	60.0
106.6	113.9	113.1	117.5	120.5	120.8	125.2	123.8	116.7	109.8	109.1	110.2	108.3
20.4	19.7	19.8	21.3	22.9	23.0	23.3	25.1	27.8	30.1	32.1	31.6	32.8
901.1	**919.5**	**915.9**	**914.3**	**969.2**	**993.6**	**1048.0**	**1093.5**	**1136.5**	**1096.5**	**1173.0**	**1226.7**	**1274.7**
63.7	68.3	69.5	75.2	73.9	74.9	72.8	69.2	69.9	63.7	68.0	64.9	62.5
139.1	139.2	137.1	144.2	143.0	138.9	141.0	140.4	142.1	127.5	136.4	123.0	119.0
43.4	46.8	44.8	48.3	46.5	48.3	49.4	52.7	50.3	43.8	45.8	50.7	46.1
17.5	18.4	19.5	20.9	20.1	20.6	20.7	21.9	20.9	19.6	18.8	18.2	16.6
8.0	8.1	7.9	8.5	8.3	9.3	9.1	9.3	9.5	9.2	8.8	8.7	8.1
124.1	125.1	120.8	124.0	124.8	123.4	126.0	125.6	120.4	113.6	116.5	113.2	109.4
57.5	57.7	56.8	62.0	56.0	53.3	61.7	56.8	54.2	50.6	51.3	46.3	40.9
17.2	17.7	17.7	19.5	20.1	19.5	19.1	22.1	21.0	18.8	22.9	23.9	23.4
59.7	64.5	67.8	76.1	69.9	59.4	69.6	67.5	60.0	57.4	65.5	57.7	51.5
381.5	383.4	380.1	387.2	389.1	389.8	380.1	370.5	369.8	354.8	360.4	334.1	335.6
854.4	871.7	859.1	862.0	847.5	826.3	843.8	811.0	809.4	753.6	783.2	763.7	773.0
103.7	105.9	105.3	108.5	108.7	109.2	110.2	114.7	109.0	104.2	96.1	95.5	89.8
55.4	57.1	56.1	58.6	57.3	57.6	57.4	55.4	54.2	48.0	48.7	49.3	45.1
2.8	2.7	2.8	2.8	2.9	2.9	3.0	3.1	2.8	2.6	2.5	2.5	2.5
43.6	46.4	45.7	45.3	45.5	47.7	47.5	48.4	47.9	42.9	42.5	38.6	38.8
430.8	429.5	431.9	449.5	464.9	466.4	463.8	455.5	442.0	391.6	396.4	386.4	369.9
6.9	7.7	7.9	7.9	8.5	8.7	8.4	8.8	8.6	7.9	9.2	8.3	8.0
10.9	12.1	11.6	11.8	12.3	13.1	13.4	13.1	13.3	12.0	13.2	12.4	12.4
9.0	9.7	10.5	11.0	12.5	12.8	12.5	12.0	11.9	11.4	12.0	11.7	11.4
216.2	225.9	226.0	225.4	231.4	233.1	231.6	229.1	227.2	217.7	226.5	219.4	212.2
8.7	8.8	8.3	9.0	8.7	9.1	9.1	9.5	9.4	8.7	8.5	9.3	8.9
33.9	36.3	35.7	37.1	37.7	36.7	36.9	36.7	36.1	36.1	36.8	36.3	36.0
299.8	297.9	294.4	303.5	301.9	307.2	320.7	317.5	319.5	305.3	323.8	324.0	308.1
61.3	60.2	63.4	59.9	62.1	64.6	59.6	58.4	57.5	56.9	51.5	51.4	50.7
88.9	90.9	94.1	98.2	99.6	95.6	101.3	97.8	95.6	80.6	78.2	85.1	81.7
36.3	39.1	38.6	39.1	38.0	39.0	37.4	35.2	36.4	33.6	36.1	33.7	32.4
14.0	14.7	14.9	14.8	15.0	15.2	15.6	15.7	16.8	15.0	15.2	15.2	14.7
309.4	314.2	332.5	340.9	363.7	377.1	371.6	382.3	356.3	317.4	301.5	309.9	308.0
57.7	59.2	59.8	64.2	61.9	60.6	61.9	58.5	55.8	53.2	56.7	51.8	48.9
43.1	46.2	43.9	43.2	43.3	44.2	45.0	41.0	43.8	44.2	42.1	40.1	41.4
205.7	186.1	196.9	208.9	216.4	224.8	248.0	272.8	276.3	275.3	276.3	298.8	314.4
335.8	329.4	328.2	334.3	317.3	312.0	322.1	326.5	317.3	271.5	286.8	302.9	297.4
566.4	577.4	557.9	567.9	573.4	579.4	581.9	570.5	560.9	513.5	530.1	495.6	512.1
84.1	88.9	94.4	101.2	107.1	103.9	108.3	109.7	110.7	111.2	112.9	120.9	112.8
4790.5	**4847.2**	**4841.6**	**4971.0**	**4989.3**	**4984.5**	**5060.4**	**5019.2**	**4936.9**	**4573.5**	**4681.2**	**4603.7**	**4544.0**
28.4	26.2	25.9	27.9	30.8	33.5	33.2	29.9	29.5	25.9	24.9	28.5	29.6
51.0	48.7	48.9	47.7	54.7	55.7	57.9	56.7	59.4	57.1	60.2	57.0	58.5
102.5	118.7	121.2	133.8	143.6	148.6	157.6	173.3	189.0	170.9	183.9	202.5	209.7
1452.8	1466.1	1465.7	1494.7	1489.8	1465.9	1534.4	1527.6	1553.8	1445.0	1492.2	1555.8	1569.1
26.9	33.1	28.7	38.9	38.5	39.1	39.4	38.5	32.3	50.3	54.3	59.9	65.2
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
119.7	119.6	120.6	111.4	116.7	110.5	103.5	109.3	104.0	103.2	101.3	107.5	104.5
16.0	16.0	16.3	16.4	18.3	19.5	20.3	22.8	24.4	23.6	23.1	24.6	26.6
1797.2	**1828.4**	**1827.2**	**1870.9**	**1892.6**	**1872.8**	**1946.3**	**1958.1**	**1992.4**	**1876.1**	**1939.7**	**2035.9**	**2063.1**
313.9	328.5	355.0	359.7	388.2	416.3	451.3	480.7	503.9	516.7	518.1	531.6	535.1
74.4	84.1	79.0	72.9	77.7	74.3	75.9	79.0	82.4	93.2	99.1	104.0	111.1
61.9	62.5	63.9	65.5	66.0	67.6	67.4	70.4	71.6	68.4	71.6	72.8	78.9
51.3	52.2	53.7	64.2	72.6	80.5	75.3	73.1	79.6	81.2	87.0	85.9	96.0

25.4	28.1	30.8	31.7	29.5	32.8	35.8	35.4	42.3	42.1	48.9	52.3	57.5
22.5	22.0	25.9	28.0	32.9	38.0	40.2	45.9	50.8	51.4	60.3	68.7	77.8
278.2	287.2	295.2	314.7	340.4	358.6	375.8	394.0	425.0	443.8	486.3	501.7	526.4
124.4	125.1	133.4	143.1	153.5	160.1	169.2	185.7	211.5	205.5	215.3	222.3	233.5
107.5	111.5	114.5	119.9	124.1	138.3	143.2	149.5	155.3	155.7	152.1	145.3	137.7
1059.4	**1101.1**	**1151.4**	**1199.7**	**1285.1**	**1366.6**	**1434.1**	**1513.7**	**1622.5**	**1658.0**	**1738.5**	**1784.6**	**1854.0**
62.6	64.9	67.9	71.0	74.3	76.9	80.8	85.2	90.6	95.7	94.2	100.6	108.9
118.7	126.3	121.9	131.3	136.6	147.1	151.3	160.2	170.5	177.2	188.8	189.5	200.4
31.6	34.4	35.4	34.7	40.1	43.9	44.6	43.8	48.6	45.2	49.1	52.9	53.9
371.6	376.5	366.6	399.8	439.1	421.7	430.9	441.0	476.0	475.0	476.7	467.8	463.8
54.2	57.3	57.1	55.3	62.0	63.8	64.9	66.8	66.0	70.2	75.6	80.1	78.6
14.5	16.8	18.0	20.1	22.5	22.1	24.4	26.4	30.6	33.2	36.5	40.3	41.6
71.0	76.1	82.8	81.7	84.0	87.7	80.9	87.5	94.7	89.2	94.5	104.1	107.0
58.8	60.0	61.1	62.1	65.9	67.7	69.0	66.5	68.9	73.9	76.3	57.2	71.0
8.9	9.1	8.9	8.9	9.1	9.6	9.5	9.9	10.3	10.8	9.5	10.2	11.6
791.9	**821.4**	**819.6**	**864.8**	**933.7**	**940.6**	**956.2**	**987.3**	**1056.2**	**1070.2**	**1101.1**	**1102.6**	**1136.9**
358.2	360.5	365.4	372.2	385.8	383.1	404.9	408.4	417.6	410.5	402.6	409.7	402.6
23.5	27.7	29.7	30.7	33.0	36.4	40.4	40.8	44.2	49.2	50.6	56.5	60.4
3360.9	3523.1	3843.4	4532.1	5334.9	6098.2	6677.3	7239.8	7378.2	7710.1	8143.4	8824.3	9001.3
53.4	70.0	67.2	71.3	78.5	75.8	79.9	85.6	79.2	86.5	88.3	92.0	88.7
959.0	967.6	1019.0	1062.2	1114.4	1203.6	1253.7	1366.4	1466.6	1596.2	1660.7	1735.2	1848.1
269.3	291.2	302.1	338.1	330.6	340.1	358.7	387.2	376.4	388.3	428.0	480.1	513.0
1235.2	1228.5	1233.0	1274.5	1258.7	1299.2	1275.9	1289.9	1299.7	1130.0	1201.8	1210.3	1296.1
131.3	133.4	144.0	159.2	170.7	181.0	186.8	190.5	197.9	190.3	213.0	213.6	226.8
32.5	34.8	34.6	37.0	36.0	38.0	37.8	36.9	37.7	34.8	34.7	34.6	36.2
97.8	98.9	101.2	106.7	117.9	120.2	130.3	142.0	146.3	146.0	145.7	144.1	145.5
66.8	67.7	65.9	68.0	70.3	70.4	67.5	71.8	74.0	74.5	79.9	80.7	83.1
107.1	117.5	111.8	103.7	116.2	127.3	140.3	151.4	163.4	176.7	185.3	192.7	192.0
440.7	452.9	470.8	480.5	491.2	498.6	503.7	516.7	531.1	534.2	590.9	617.7	614.6
10.6	10.4	11.1	11.1	10.9	12.6	13.0	13.8	12.6	13.2	13.1	14.8	16.1
235.7	233.6	243.9	253.9	265.2	269.7	276.9	278.2	260.9	251.2	264.2	270.0	266.2
169.7	176.3	190.9	202.1	218.3	227.5	227.7	236.7	237.4	236.5	248.7	253.5	270.6
47.0	51.4	57.5	62.9	81.4	86.3	72.3	79.2	104.3	102.4	121.9	135.0	132.7
115.3	118.7	116.7	121.8	122.6	127.9	131.8	123.3	129.3	113.9	120.5	112.0	116.5
7714.0	**7964.2**	**8408.2**	**9288.0**	**10236.6**	**11195.9**	**11878.9**	**12658.6**	**12956.8**	**13244.5**	**13993.5**	**14876.6**	**15310.6**
23676.4	**24010.3**	**24544.5**	**25767.5**	**27077.5**	**28186.5**	**29074.0**	**30095.9**	**30378.4**	**29745.2**	**31085.5**	**31973.4**	**32273.5**
13011.2	12977.4	13047.9	13294.4	13450.8	13566.1	13545.7	13656.1	13435.4	12507.6	12957.5	12783.1	12580.3
10665.3	11032.9	11496.6	12473.1	13626.7	14620.3	15528.3	16439.8	16943.0	17237.6	18128.0	19190.3	19693.2
4081.0	4154.0	4136.6	4240.4	4262.2	4256.2	4293.6	4225.9	4146.6	3830.3	3922.9	3800.4	3737.7

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2013	2014	2015	2016	2017	2018	**2019**	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
544.1	553.5	546.2	537.8	549.1	565.6	**556.2**	-1.7%	0.4%	1.6%
472.8	459.6	463.1	468.8	476.9	466.6	**455.0**	-2.5%	0.8%	1.3%
5249.6	5254.6	5141.4	5042.4	4983.9	5116.8	**4964.7**	-3.0%	-1.1%	14.5%
6266.5	**6267.7**	**6150.8**	**6049.0**	**6009.9**	**6149.0**	**5975.9**	**-2.8%**	**-0.8%**	**17.5%**
182.8	182.7	186.0	185.8	182.8	180.4	**174.9**	-3.1%	1.2%	0.5%
482.9	503.8	487.0	450.4	457.2	442.3	**441.3**	-0.2%	1.7%	1.3%
91.1	88.4	88.9	94.1	92.4	94.3	**92.4**	-2.0%	2.0%	0.3%
83.5	89.2	89.8	95.1	89.4	90.0	**100.6**	11.8%	2.9%	0.3%
36.5	38.5	37.6	35.4	34.3	37.0	**35.6**	-3.8%	3.0%	0.1%
46.5	47.2	50.6	54.8	51.6	53.4	**53.7**	0.7%	4.5%	0.2%
26.0	25.8	24.3	22.0	21.5	20.4	**20.1**	-1.3%	-1.9%	0.1%
177.0	171.1	164.4	151.4	142.7	119.6	**102.4**	-14.4%	-3.6%	0.3%
60.9	62.9	68.9	71.9	71.7	74.9	**78.6**	5.0%	3.1%	0.2%
106.2	105.5	108.4	111.6	108.2	112.7	**116.3**	3.2%	-0.3%	0.3%
33.3	33.0	34.8	35.9	37.6	38.3	**39.0**	1.7%	3.2%	0.1%
1326.6	**1348.0**	**1340.8**	**1308.4**	**1289.4**	**1263.1**	**1254.9**	**-0.7%**	**1.1%**	**3.7%**
63.1	58.9	60.9	61.9	64.7	62.8	**64.7**	3.0%	-1.1%	0.2%
120.0	111.7	118.3	120.1	122.1	125.1	**124.5**	-0.5%	-1.3%	0.4%
41.0	43.3	46.1	43.2	45.8	42.6	**41.0**	-3.7%	-1.7%	0.1%
16.1	15.8	16.2	16.7	17.1	16.5	**16.6**	0.5%	-2.3%	♦
7.3	7.3	7.5	8.1	8.3	8.2	**8.2**	-0.4%	-1.4%	♦
105.1	102.1	103.2	105.0	103.1	102.2	**98.8**	-3.3%	-1.6%	0.3%
43.4	40.0	36.7	37.9	35.6	35.9	**33.5**	-6.9%	-4.0%	0.1%
24.5	24.2	22.3	22.4	24.2	26.4	**20.3**	-23.4%	2.3%	0.1%
52.6	48.1	45.2	48.6	45.5	46.8	**43.0**	-8.2%	-2.5%	0.1%
334.9	301.3	306.7	312.1	318.1	307.2	**299.2**	-2.6%	-1.8%	0.9%
797.6	751.1	755.6	770.5	760.9	731.3	**683.8**	-6.5%	-1.0%	2.0%
81.4	77.8	75.2	72.0	76.6	74.4	**71.7**	-3.6%	-3.8%	0.2%
42.6	41.9	44.3	45.2	47.3	47.5	**47.4**	-0.1%	-1.3%	0.1%
2.7	2.7	2.9	3.2	3.6	3.7	**3.3**	-11.5%	2.8%	♦
37.5	37.3	39.0	40.5	39.4	39.2	**37.7**	-3.7%	-2.0%	0.1%
340.5	317.7	329.8	329.9	333.4	332.1	**325.4**	-2.0%	-2.8%	1.0%
8.0	7.7	7.8	8.2	8.0	8.0	**8.5**	6.0%	-0.8%	♦
11.7	11.0	11.3	11.7	11.9	12.3	**12.3**	0.2%	-0.8%	♦
10.9	10.5	10.1	10.0	10.3	10.8	**10.9**	1.4%	-1.0%	♦
208.2	197.6	206.7	209.8	202.9	198.2	**192.0**	-3.1%	-1.4%	0.6%
7.9	7.5	7.2	7.1	7.5	7.1	**8.2**	16.1%	-2.8%	♦
36.0	35.4	35.5	34.3	34.1	34.8	**33.6**	-3.5%	-0.4%	0.1%
310.4	293.3	293.3	306.0	315.5	319.5	**303.9**	-4.9%	♦	0.9%
49.3	48.6	53.1	52.5	57.8	54.6	**51.4**	-5.9%	-0.5%	0.2%
69.8	71.1	71.9	69.5	72.9	73.2	**70.5**	-3.7%	-2.6%	0.2%
32.5	30.0	30.3	30.7	32.8	32.5	**30.1**	-7.3%	-1.1%	0.1%
14.1	12.6	12.7	13.6	13.9	13.9	**13.1**	-5.8%	-1.9%	♦
276.2	273.6	289.2	282.2	299.8	293.6	**278.5**	-5.1%	-1.9%	0.8%
47.9	46.1	46.5	46.6	45.8	45.0	**46.3**	2.9%	-2.1%	0.1%
43.6	38.7	39.5	38.0	38.8	37.2	**38.2**	2.7%	-1.6%	0.1%
303.3	335.1	340.6	359.0	397.1	392.1	**383.3**	-2.2%	3.6%	1.1%
284.8	244.8	192.3	213.2	185.8	193.1	**185.4**	-4.0%	-4.8%	0.5%
500.0	458.1	439.7	415.8	404.1	396.9	**387.1**	-2.5%	-3.4%	1.1%
113.0	102.6	111.9	117.0	120.6	121.5	**138.6**	14.1%	0.9%	0.4%
4437.9	**4205.4**	**4209.5**	**4262.5**	**4305.4**	**4246.1**	**4110.8**	**-3.2%**	**-1.5%**	**12.0%**
30.2	31.0	33.6	33.1	32.1	32.8	**34.9**	6.5%	1.0%	0.1%
58.1	57.1	53.0	53.3	54.4	58.4	**59.0**	1.0%	-0.2%	0.2%
211.0	212.5	207.5	208.5	219.4	243.8	**239.9**	-1.6%	2.6%	0.7%
1527.7	1530.8	1491.0	1504.8	1486.9	1548.4	**1532.6**	-1.0%	♦	4.5%
58.3	60.5	71.5	70.9	70.2	78.2	**85.8**	9.8%	9.3%	0.3%
n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
105.7	109.6	104.1	97.3	97.5	101.8	**98.5**	-3.2%	-0.2%	0.3%
25.5	27.1	28.2	28.7	28.8	32.3	**34.7**	7.3%	2.8%	0.1%
2016.5	**2028.6**	**1989.0**	**1996.7**	**1989.3**	**2095.7**	**2085.3**	**-0.5%**	**0.5%**	**6.1%**
564.6	578.2	570.2	596.6	612.6	644.1	**670.7**	4.1%	2.5%	2.0%
119.5	115.6	115.7	132.7	130.7	136.3	**148.6**	9.0%	5.2%	0.4%
69.3	66.7	69.8	69.1	71.0	70.7	**73.1**	3.4%	-0.1%	0.2%
100.5	90.4	98.5	102.9	94.7	94.3	**97.3**	3.2%	1.7%	0.3%

65.6	65.1	68.6	69.0	77.4	84.7	**86.7**	2.4%	7.2%	0.3%
84.7	92.2	104.0	101.5	97.0	100.2	**102.5**	2.3%	7.0%	0.3%
535.3	570.9	588.4	599.5	593.0	573.8	**579.9**	1.1%	3.0%	1.7%
248.9	245.1	267.1	276.9	280.7	285.0	**282.6**	-0.8%	3.0%	0.8%
130.5	130.1	119.9	118.0	120.1	117.2	**122.8**	4.8%	-2.8%	0.4%
1918.9	**1954.4**	**2002.1**	**2066.3**	**2077.3**	**2106.2**	**2164.1**	**2.8%**	**2.6%**	**6.3%**
115.4	123.6	129.0	127.7	130.7	140.4	**147.1**	4.7%	4.5%	0.4%
199.0	203.5	207.6	216.7	218.8	221.3	**217.4**	-1.7%	2.6%	0.6%
54.3	56.5	56.7	57.0	60.0	61.6	**68.2**	10.8%	2.4%	0.2%
464.2	469.1	451.7	470.5	465.8	470.4	**478.8**	1.8%	-0.1%	1.4%
88.8	99.3	103.0	103.2	110.8	116.4	**116.6**	0.2%	5.8%	0.3%
44.7	47.8	47.5	48.3	44.4	44.5	**44.3**	-0.3%	3.8%	0.1%
107.8	109.0	125.3	130.3	141.7	148.9	**153.7**	3.2%	4.6%	0.4%
75.5	75.6	66.1	63.3	63.6	66.1	**68.1**	3.0%	-0.4%	0.2%
12.5	13.6	14.0	14.2	15.2	14.9	**14.2**	-4.8%	3.7%	♦
1162.2	**1198.0**	**1200.9**	**1231.1**	**1250.9**	**1284.5**	**1308.5**	**1.9%**	**2.0%**	**3.8%**
399.0	405.7	411.3	411.8	409.6	411.1	**428.3**	4.2%	-0.2%	1.3%
62.7	65.5	79.6	80.4	84.1	90.5	**106.5**	17.7%	7.4%	0.3%
9244.0	9239.9	9186.0	9137.6	9298.0	9507.1	**9825.8**	3.4%	2.6%	28.8%
91.5	89.7	90.5	92.7	98.9	99.5	**94.7**	-4.8%	2.3%	0.3%
1929.4	2083.5	2149.4	2242.9	2329.8	2452.5	**2480.4**	1.1%	5.3%	7.3%
532.9	486.1	497.9	502.0	527.0	580.7	**632.1**	8.8%	4.4%	1.8%
1282.9	1249.3	1209.9	1193.2	1187.5	1164.2	**1123.1**	-3.5%	-1.1%	3.3%
233.1	242.2	245.7	251.4	241.4	243.5	**244.5**	0.4%	2.1%	0.7%
35.6	35.7	36.5	35.6	37.4	37.0	**38.4**	3.8%	-0.2%	0.1%
145.5	152.3	159.9	175.7	189.6	197.7	**198.3**	0.3%	3.1%	0.6%
91.9	97.3	106.2	116.4	128.9	133.7	**140.1**	4.7%	6.1%	0.4%
191.4	190.9	202.7	217.0	228.9	225.3	**218.9**	-2.8%	3.3%	0.6%
619.5	614.9	624.2	629.6	645.2	662.2	**638.6**	-3.6%	2.2%	1.9%
14.0	14.2	17.9	20.2	21.7	21.6	**23.4**	8.6%	5.5%	0.1%
269.2	275.2	271.7	280.3	288.4	287.0	**278.6**	-2.9%	1.0%	0.8%
273.9	280.7	291.4	298.2	299.0	306.1	**301.7**	-1.4%	2.6%	0.9%
140.8	157.4	183.4	195.5	196.1	237.0	**285.9**	20.6%	8.6%	0.8%
109.7	121.9	129.8	141.5	145.5	206.7	**210.3**	1.8%	4.8%	0.6%
15666.9	**15802.6**	**15894.1**	**16022.1**	**16357.1**	**16863.3**	**17269.5**	**2.4%**	**2.7%**	**50.5%**
32795.6	**32804.7**	**32787.2**	**32936.1**	**33279.5**	**34007.9**	**34169.0**	**0.5%**	**1.1%**	**100.0%**
12661.9	12441.5	12347.8	12270.1	12300.2	12372.3	**12012.0**	-2.9%	-0.8%	35.2%
20133.6	20363.3	20439.4	20666.0	20979.2	21635.6	**22157.0**	2.4%	2.5%	64.8%
3653.5	3445.6	3486.9	3498.5	3527.1	3466.5	**3330.4**	-3.9%	-1.8%	9.7%

Contents

Oil:
Total proved reserves

	at end 1999 Thousand million barrels	at end 2009 Thousand million barrels	at end 2018 Thousand million barrels	Thousand million barrels	at end 2019 Thousand million tonnes	Share of total	R/P ratio
Canada	181.6	175.0	170.8	**169.7**	**27.3**	9.8%	82.3
Mexico	21.5	11.9	5.8	**5.8**	**0.8**	0.3%	8.3
US	29.7	30.9	68.9	**68.9**	**8.2**	4.0%	11.1
Total North America	**232.8**	**217.8**	**245.5**	**244.4**	**36.3**	**14.1%**	**27.2**
Argentina	3.1	2.5	2.4	**2.4**	**0.3**	0.1%	10.5
Brazil	8.2	12.9	13.4	**12.7**	**1.8**	0.7%	12.1
Colombia	2.3	1.4	1.8	**2.0**	**0.3**	0.1%	6.1
Ecuador	2.6	2.7	1.6	**1.6**	**0.2**	0.1%	8.4
Peru	0.9	1.1	0.9	**0.9**	**0.1**	♦	16.5
Trinidad & Tobago	0.8	0.8	0.2	**0.2**	**^**	♦	8.1
Venezuela	76.8	211.2	303.8	**303.8**	**48.0**	17.5%	*
Other S. & Cent. America	1.3	0.8	0.5	**0.5**	**0.1**	♦	12.7
Total S. & Cent. America	**95.9**	**233.3**	**324.7**	**324.1**	**50.9**	**18.7%**	**143.8**
Denmark	0.9	0.9	0.4	**0.4**	**0.1**	♦	11.7
Italy	0.6	0.5	0.6	**0.6**	**0.1**	♦	17.0
Norway	10.9	7.1	8.6	**8.5**	**1.1**	0.5%	13.5
Romania	1.2	0.6	0.6	**0.6**	**0.1**	♦	22.0
United Kingdom	5.0	2.8	2.7	**2.7**	**0.4**	0.2%	6.6
Other Europe	2.0	2.0	1.6	**1.6**	**0.2**	0.1%	15.0
Total Europe	**20.7**	**14.0**	**14.6**	**14.4**	**1.9**	**0.8%**	**11.6**
Azerbaijan	1.2	7.0	7.0	**7.0**	**1.0**	0.4%	24.6
Kazakhstan	5.4	30.0	30.0	**30.0**	**3.9**	1.7%	42.6
Russian Federation	112.1	105.6	107.2	**107.2**	**14.7**	6.2%	25.5
Turkmenistan	0.5	0.6	0.6	**0.6**	**0.1**	♦	6.2
Uzbekistan	0.6	0.6	0.6	**0.6**	**0.1**	♦	26.3
Other CIS	0.3	0.3	0.3	**0.3**	**^**	♦	17.6
Total CIS	**120.1**	**144.0**	**145.7**	**145.7**	**19.8**	**8.4%**	**27.3**
Iran	93.1	137.0	155.6	**155.6**	**21.4**	9.0%	120.6
Iraq	112.5	115.0	145.0	**145.0**	**19.6**	8.4%	83.1
Kuwait	96.5	101.5	101.5	**101.5**	**14.0**	5.9%	92.8
Oman	5.7	5.5	5.4	**5.4**	**0.7**	0.3%	15.2
Qatar	13.1	25.9	25.2	**25.2**	**2.6**	1.5%	36.7
Saudi Arabia	262.8	264.6	297.7	**297.6**	**40.9**	17.2%	68.9
Syria	2.3	2.5	2.5	**2.5**	**0.3**	0.1%	291.2
United Arab Emirates	97.8	97.8	97.8	**97.8**	**13.0**	5.6%	67.0
Yemen	1.9	3.0	3.0	**3.0**	**0.4**	0.2%	84.2
Other Middle East	0.2	0.3	0.2	**0.2**	**^**	♦	2.6
Total Middle East	**685.8**	**753.1**	**833.9**	**833.8**	**112.9**	**48.1%**	**75.3**
Algeria	11.3	12.2	12.2	**12.2**	**1.5**	0.7%	22.5
Angola	5.1	9.5	8.2	**8.2**	**1.1**	0.5%	15.8
Chad	-	1.5	1.5	**1.5**	**0.2**	0.1%	32.4
Republic of Congo	1.7	2.0	3.0	**3.0**	**0.4**	0.2%	24.1
Egypt	3.8	4.4	3.1	**3.1**	**0.4**	0.2%	12.3
Equatorial Guinea	0.6	1.7	1.1	**1.1**	**0.1**	0.1%	16.7
Gabon	2.6	2.0	2.0	**2.0**	**0.3**	0.1%	25.1
Libya	29.5	46.4	48.4	**48.4**	**6.3**	2.8%	107.9
Nigeria	29.0	37.2	37.0	**37.0**	**5.0**	2.1%	48.0
South Sudan	n/a	n/a	3.5	**3.5**	**0.5**	0.2%	69.1
Sudan	0.3	5.0	1.5	**1.5**	**0.2**	0.1%	40.2
Tunisia	0.3	0.4	0.4	**0.4**	**0.1**	♦	23.2
Other Africa	0.7	0.6	3.9	**3.9**	**0.5**	0.2%	33.8
Total Africa	**84.7**	**123.0**	**125.7**	**125.7**	**16.6**	**7.2%**	**41.0**
Australia	4.7	4.1	2.4	**2.4**	**0.3**	0.1%	13.4
Brunei	1.3	1.1	1.1	**1.1**	**0.1**	0.1%	24.8
China	15.1	21.6	26.2	**26.2**	**3.6**	1.5%	18.7
India	5.0	5.8	4.5	**4.7**	**0.6**	0.3%	15.5
Indonesia	5.2	4.3	3.2	**2.5**	**0.3**	0.1%	8.7
Malaysia	2.1	3.6	2.8	**2.8**	**0.4**	0.2%	11.9
Thailand	0.4	0.4	0.3	**0.3**	**^**	♦	1.7
Vietnam	1.8	4.5	4.4	**4.4**	**0.6**	0.3%	51.0
Other Asia Pacific	1.4	1.1	1.2	**1.4**	**0.2**	0.1%	16.3
Total Asia Pacific	**37.0**	**46.6**	**46.0**	**45.7**	**6.1**	**2.6%**	**16.4**
Total World	**1277.1**	**1531.8**	**1735.9**	**1733.9**	**244.6**	**100.0%**	**49.9**
of which: OECD	256.4	234.7	261.3	**260.1**	**38.3**	15.0%	25.1
Non-OECD	1020.7	1297.1	1474.6	**1473.7**	**206.3**	85.0%	60.4
OPEC	821.8	1040.8	1214.8	**1214.7**	**171.8**	70.1%	93.6
Non-OPEC	455.3	491.0	521.1	**519.2**	**72.8**	29.9%	23.9
European Union	8.8	6.0	5.1	**5.0**	**0.7**	0.3%	9.0
Canadian oil sands: Total	175.2	169.8	163.5	**162.4**	**26.4**	9.4%	
of which: Under active development	11.9	26.5	21.2	**20.1**	**3.3**	1.2%	
Venezuela: Orinoco Belt	-	133.4	261.8	**261.8**	**42.0**	15.1%	

^ Less than 0.05.
◆ Less than 0.05%.
n/a not available.
* More than 500 years.

Notes: Total proved reserves of oil - Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for total proved oil reserves does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent bp's view of proved reserves by country.

Reserves-to-production (R/P) ratio - If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

Source of data - The estimates in this table have been compiled using a combination of primary official sources, third-party data from the OPEC Secretariat, World Oil, Oil & Gas Journal and Chinese reserves based on official data and information in the public domain.

Canadian oil sands 'under active development' are an official estimate. Venezuelan Orinoco Belt reserves are based on the OPEC Secretariat and government announcements.

Reserves and R/P ratio for Canada includes Canadian oil sands. Reserves and R/P ratio for Venezuela includes the Orinoco Belt. Saudi Arabia's oil reserves include NGLs from 2017.

Reserves include gas condensate and natural gas liquids (NGLs) as well as crude oil.

Shares of total and R/P ratios are calculated using thousand million barrels figures.

Oil: Proved reserves in thousand million barrels

Contents

Thousand million barrels	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Canada	39.5	40.2	40.3	40.5	40.5	40.9	41.1	41.2	41.5	41.3	40.3	40.1	39.6	39.5	48.1	48.4	48.9	48.8	49.8	181.6	181.5
Mexico	47.2	57.0	57.0	57.1	56.4	55.6	54.9	54.1	53.0	52.0	51.3	50.9	51.2	50.8	49.8	48.8	48.5	47.8	21.6	21.5	20.2
US	36.5	36.5	35.1	35.6	36.1	36.4	35.1	35.4	35.1	34.3	33.8	32.1	31.2	30.2	29.6	29.8	29.8	30.5	28.6	29.7	30.4
Total North America	**123.3**	**133.7**	**132.4**	**133.2**	**133.0**	**132.9**	**131.0**	**130.7**	**129.5**	**127.5**	**125.4**	**123.2**	**122.1**	**120.5**	**127.6**	**126.9**	**127.3**	**127.1**	**100.0**	**232.8**	**232.1**
Argentina	2.5	2.2	1.9	2.4	2.3	2.2	2.2	2.2	2.3	2.2	1.6	1.7	2.0	2.2	2.3	2.4	2.6	2.6	2.8	3.1	3.0
Brazil	1.3	1.5	1.7	1.8	2.0	2.2	2.4	2.6	2.8	2.8	4.5	4.8	5.0	5.0	5.4	6.2	6.7	7.1	7.4	8.2	8.5
Colombia	0.6	0.5	0.6	0.6	1.1	1.2	1.7	1.9	2.1	2.0	2.0	1.9	3.2	3.2	3.1	3.0	2.8	2.6	2.5	2.3	2.0
Ecuador	0.6	0.5	0.5	0.5	0.7	0.7	0.7	0.9	0.9	0.8	0.8	0.9	1.9	2.1	2.0	2.0	2.0	2.1	2.4	2.6	2.7
Peru	0.6	0.9	0.8	0.7	0.7	0.6	0.5	0.5	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
Trinidad & Tobago	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.9
Venezuela	19.5	19.9	24.9	25.9	28.0	54.5	55.5	58.1	58.5	59.0	60.1	62.6	63.3	64.4	64.9	66.3	72.7	74.9	76.1	76.8	76.8
Other S. & Cent. America	0.7	0.8	0.8	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.9	1.0	1.0	1.0	1.1	1.1	1.3	1.3
Total S. & Cent. America	**26.3**	**26.8**	**31.9**	**33.1**	**35.8**	**62.4**	**64.1**	**67.5**	**68.6**	**68.9**	**71.0**	**73.9**	**77.4**	**79.2**	**80.0**	**82.3**	**89.3**	**91.9**	**93.8**	**95.9**	**96.0**
Denmark	0.5	0.4	0.3	0.3	0.5	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.9	0.9	0.9	0.9	0.9	1.1
Italy	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.6	0.6	0.8	0.8	0.8	0.6	0.6	0.6	0.6
Norway	4.0	4.0	3.8	4.9	5.0	5.9	6.5	6.6	8.2	8.4	8.6	8.8	9.7	9.6	9.7	10.8	11.7	12.0	11.7	10.9	11.4
Romania	1.1	1.0	1.0	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.5	1.5	1.2	1.0	1.0	1.0	1.0	0.9	1.2	1.2	1.2
United Kingdom	8.4	7.9	7.5	6.9	6.0	5.6	5.3	5.2	4.3	3.8	4.0	4.2	4.6	4.5	4.3	4.5	5.0	5.2	5.1	5.0	4.7
Other Europe	2.3	2.2	2.3	2.3	2.2	2.2	2.3	2.2	2.2	2.0	2.0	2.4	2.2	2.1	2.0	2.0	2.1	1.9	1.9	2.0	2.1
Total Europe	**16.6**	**15.8**	**15.3**	**16.4**	**15.8**	**16.3**	**16.5**	**16.3**	**17.2**	**16.9**	**17.5**	**18.3**	**19.2**	**18.6**	**18.6**	**20.0**	**21.4**	**21.7**	**21.4**	**20.7**	**21.0**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.4	5.4	5.4
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	116.1	116.1	115.1	115.1	113.6	113.6	113.1	113.1	112.1	112.1
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
USSR	67.0	63.0	63.0	63.0	63.0	63.0	61.0	59.0	59.0	58.5	58.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Total CIS	**67.0**	**63.0**	**63.0**	**63.0**	**63.0**	**63.0**	**61.0**	**59.0**	**59.0**	**58.5**	**58.4**	**123.6**	**123.6**	**122.6**	**122.6**	**121.1**	**121.5**	**121.0**	**121.1**	**120.1**	**120.1**
Iran	58.3	57.0	56.1	55.3	58.9	59.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	94.3	93.7	92.6	92.6	93.7	93.1	99.5
Iraq	30.0	32.0	59.0	65.0	65.0	65.0	72.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	112.0	112.5	112.5	112.5	112.5
Kuwait	67.9	67.7	67.2	67.0	92.7	92.5	94.5	94.5	94.5	97.1	97.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
Oman	2.5	2.9	3.4	3.5	3.9	4.1	4.0	4.1	4.1	4.3	4.4	4.4	4.7	5.0	5.1	5.2	5.3	5.4	5.4	5.7	5.8
Qatar	3.6	3.5	3.4	3.3	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.1	3.1	3.5	3.7	3.7	12.5	13.5	13.1	16.9
Saudi Arabia	168.0	167.9	165.5	168.8	171.7	171.5	169.7	169.6	255.0	260.1	260.3	260.9	261.2	261.4	261.4	261.5	261.4	261.5	261.5	262.8	262.8
Syria	1.5	1.9	1.8	1.5	1.4	1.5	1.6	1.7	1.8	2.0	1.9	3.0	3.0	3.0	2.7	2.6	2.5	2.3	2.3	2.3	2.3
United Arab Emirates	30.4	32.2	32.4	32.3	32.5	33.0	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	97.8	97.8	97.8	97.8	97.8
Yemen	-	-	-	-	-	0.5	0.5	1.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.9	1.9	2.4
Other Middle East	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Total Middle East	**362.4**	**365.3**	**388.9**	**396.9**	**430.8**	**431.7**	**537.1**	**566.6**	**653.0**	**661.0**	**659.6**	**660.8**	**661.6**	**661.9**	**663.6**	**663.3**	**674.0**	**683.2**	**685.2**	**685.8**	**696.7**
Algeria	8.2	8.1	9.4	9.2	9.0	8.8	8.8	8.6	9.2	9.2	9.2	9.2	9.2	9.2	10.0	10.0	10.8	11.2	11.3	11.3	11.3
Angola	1.4	1.1	1.5	1.7	2.1	2.0	1.4	2.0	2.0	2.1	1.6	1.5	1.3	1.9	3.0	3.1	3.7	3.9	4.0	5.1	6.0
Chad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
Republic of Congo	0.7	0.7	0.8	0.7	0.8	0.8	0.7	0.7	0.8	0.7	0.8	0.7	0.7	0.7	1.4	1.3	1.6	1.6	1.7	1.7	1.5
Egypt	2.9	3.5	3.7	4.0	4.0	3.8	4.5	4.7	4.3	4.3	3.5	3.5	3.4	3.4	3.9	3.8	3.8	3.7	3.8	3.8	3.6
Equatorial Guinea	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.8
Gabon	0.5	0.5	0.5	0.5	0.6	0.7	0.6	1.0	0.9	1.0	0.9	0.9	0.8	0.7	1.4	1.5	2.8	2.7	2.6	2.6	2.4
Libya	20.3	22.6	22.2	21.8	21.4	21.3	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	29.5	29.5	29.5	29.5	29.5	36.0
Nigeria	16.7	16.5	16.8	16.6	16.7	16.6	16.1	16.0	16.0	16.0	17.1	20.0	21.0	21.0	21.0	20.8	20.8	20.8	22.5	29.0	29.0
South Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sudan	-	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Tunisia	2.2	2.5	2.5	2.5	1.8	1.8	1.8	1.7	1.8	1.8	1.7	0.4	0.5	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.4
Other Africa	0.6	0.6	0.7	0.7	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
Total Africa	**53.4**	**56.3**	**58.3**	**58.0**	**57.8**	**57.0**	**58.0**	**58.7**	**59.0**	**59.1**	**58.7**	**60.4**	**61.1**	**61.2**	**65.0**	**72.0**	**74.9**	**75.3**	**77.2**	**84.7**	**92.9**
Australia	2.1	2.6	2.9	2.5	2.6	2.5	2.9	2.9	3.2	3.1	3.2	3.2	3.2	3.3	3.8	3.8	3.8	4.0	4.8	4.7	4.9
Brunei	1.3	1.5	1.4	1.5	1.5	1.4	1.5	1.6	1.2	1.2	1.1	1.2	1.1	1.3	1.2	1.1	1.1	1.1	1.0	1.3	1.2
China	13.4	13.3	13.3	14.9	16.4	17.1	17.2	17.4	17.3	16.1	16.0	15.5	15.2	16.4	16.3	16.4	16.4	17.0	17.4	15.1	15.2
India	2.8	3.5	3.5	3.6	3.8	3.8	4.6	4.4	4.5	4.3	5.6	6.1	5.9	5.9	5.8	5.5	5.5	5.6	5.4	5.0	5.3
Indonesia	11.6	11.0	10.5	10.1	9.6	9.2	9.0	9.0	9.0	5.1	5.4	5.9	5.6	5.2	5.0	5.0	4.7	4.9	5.1	5.2	5.1
Malaysia	1.5	1.4	1.6	1.9	1.9	1.9	1.8	1.8	1.9	1.8	1.9	3.5	3.8	2.7	2.6	2.5	2.4	2.4	2.1	2.1	2.1
Thailand	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.4	0.5
Vietnam	-	-	-	-	-	-	-	^	0.1	0.1	0.2	0.2	0.4	0.6	0.6	0.8	0.9	1.2	1.9	1.8	2.0
Other Asia Pacific	1.0	1.1	1.1	1.1	1.1	1.2	0.7	0.7	1.0	0.9	1.0	0.9	0.9	1.1	1.1	1.1	1.3	1.2	1.3	1.4	1.3
Total Asia Pacific	**33.6**	**34.5**	**34.4**	**35.6**	**36.8**	**37.1**	**37.8**	**38.0**	**38.2**	**32.9**	**34.7**	**36.8**	**36.3**	**36.6**	**36.6**	**36.4**	**36.4**	**37.8**	**39.5**	**37.0**	**37.7**
Total World	**682.6**	**695.2**	**724.2**	**736.2**	**773.0**	**800.5**	**905.5**	**936.7**	**1024.6**	**1024.8**	**1025.3**	**1097.0**	**1101.2**	**1100.5**	**1113.9**	**1122.1**	**1144.8**	**1158.0**	**1138.2**	**1277.1**	**1296.5**
of which: OECD	141.0	151.3	150.0	150.5	149.8	150.2	149.0	148.7	148.8	146.4	144.5	142.7	142.8	140.8	148.4	149.2	151.0	151.5	124.5	256.4	256.3
Non-OECD	541.6	543.9	574.3	585.7	623.2	650.3	756.4	788.0	875.8	878.5	880.8	954.3	958.5	959.7	965.5	972.8	993.8	1006.5	1013.7	1020.7	1040.2
OPEC	422.5	426.7	456.6	465.4	500.1	526.2	633.0	665.1	751.5	759.8	761.5	767.3	770.0	771.9	777.0	784.9	804.8	808.3	812.7	821.8	835.6
Non-OPEC	260.1	268.6	267.6	270.8	272.9	274.3	272.4	271.6	273.1	265.0	263.8	329.8	331.2	328.6	336.9	337.2	340.0	349.7	325.5	455.3	460.9
European Union #	11.8	11.0	10.7	10.7	10.0	9.6	9.3	9.0	8.3	7.7	8.3	8.5	8.5	8.1	8.0	8.3	8.7	8.7	8.7	8.8	8.7
Canadian Oil Sands: Total	32.3	32.3	32.6	32.8	33.0	33.2	33.0	33.1	33.1	33.1	32.4	32.4	32.4	32.3	41.3	41.5	42.1	42.0	43.1	175.2	174.9
of which: Under active development	n/a	n/a	n/a	2.0	2.1	2.2	3.6	3.6	3.6	3.4	3.3	3.2	3.0	2.9	3.6	3.6	4.2	3.9	8.4	11.9	11.7
Venezuela: Orinoco Belt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Thousand million barrels	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	180.9	180.4	179.9	179.6	180.0	179.4	178.8	176.3	175.0	174.8	174.2	173.7	173.0	172.2	171.5	170.5	172.6	170.8	**169.7**	-0.6%	-0.3%	9.8%
Mexico	18.8	17.2	16.0	14.8	13.7	12.8	12.2	11.9	11.9	11.7	11.4	11.4	11.1	10.8	8.0	7.2	6.4	5.8	**5.8**	-	-6.9%	0.3%
US	30.4	30.7	29.4	29.3	29.9	29.4	30.5	28.4	30.9	35.0	39.8	44.2	48.5	55.0	48.0	50.0	61.2	68.9	**68.9**	-	9.3%	4.0%
Total North America	**230.1**	**228.3**	**225.3**	**223.7**	**223.6**	**221.7**	**221.5**	**216.6**	**217.8**	**221.5**	**225.3**	**229.3**	**232.6**	**237.9**	**227.5**	**227.7**	**240.3**	**245.5**	**244.4**	**-0.4%**	**1.3%**	**14.1%**
Argentina	2.9	2.8	2.7	2.5	2.2	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.3	2.4	2.4	2.2	2.0	2.4	**2.4**	-	-0.5%	0.1%
Brazil	8.5	9.8	10.6	11.2	11.8	12.2	12.6	12.8	12.9	14.2	15.0	15.3	15.6	16.2	13.0	12.6	12.8	13.4	**12.7**	-5.4%	0.5%	0.7%
Colombia	1.8	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.9	2.0	2.2	2.4	2.4	2.3	2.0	1.7	1.8	**2.0**	10.0%	2.7%	0.1%
Ecuador	3.4	3.7	3.7	3.7	2.6	2.4	2.5	2.5	2.7	2.1	2.0	1.9	2.1	1.8	1.8	1.7	1.6	1.6	**1.6**	-	-4.2%	0.1%
Peru	1.0	1.0	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.4	1.6	1.4	1.2	1.2	1.0	0.9	**0.9**	-	-2.6%	♦
Trinidad & Tobago	1.0	1.1	0.9	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.2	0.2	0.2	**0.2**	-	-11.6%	♦
Venezuela	77.7	77.3	77.2	79.7	80.0	87.3	99.4	172.3	211.2	296.5	297.6	297.7	298.4	300.0	300.9	302.3	302.8	303.8	**303.8**	-	5.8%	17.5%
Other S. & Cent. America	1.4	1.6	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	**0.5**	5.2%	-4.4%	♦
Total S. & Cent. America	**97.6**	**99.0**	**99.1**	**102.0**	**101.4**	**108.8**	**121.5**	**194.3**	**233.3**	**320.1**	**321.7**	**322.3**	**323.7**	**325.5**	**322.8**	**322.7**	**322.7**	**324.7**	**324.1**	**-0.2%**	**5.3%**	**18.7%**
Denmark	1.3	1.3	1.3	1.3	1.3	1.2	1.1	0.8	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.4	0.4	0.4	**0.4**	-	-5.9%	♦
Italy	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	**0.6**	-3.9%	2.0%	♦
Norway	11.6	10.4	10.1	9.7	9.7	8.5	8.2	7.5	7.1	6.8	6.9	7.5	7.0	6.5	8.0	7.6	7.9	8.6	**8.5**	-1.4%	1.4%	0.5%
Romania	1.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	**0.6**	-	2.3%	♦
United Kingdom	4.5	4.5	4.3	4.0	3.9	3.6	3.4	3.1	2.8	2.8	3.1	3.0	3.0	2.8	2.5	2.3	2.5	2.7	**2.7**	-	-1.2%	0.2%
Other Europe	2.0	2.0	2.1	2.0	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6	**1.6**	0.9%	-1.4%	0.1%
Total Europe	**21.2**	**19.2**	**18.8**	**18.0**	**17.7**	**16.1**	**15.5**	**14.2**	**14.0**	**13.6**	**13.9**	**14.2**	**13.7**	**12.9**	**13.9**	**13.2**	**13.7**	**14.6**	**14.4**	**-0.9%**	**0.3%**	**0.8%**
Azerbaijan	1.2	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	**7.0**	-	-	0.4%
Kazakhstan	5.4	5.4	9.0	9.0	9.0	9.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	**30.0**	-	-	1.7%
Russian Federation	111.3	109.7	107.8	105.5	104.4	104.0	106.4	106.4	105.6	105.8	105.7	105.5	105.0	103.2	102.4	106.2	106.3	107.2	**107.2**	-	0.1%	6.2%
Turkmenistan	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	**0.6**	-	-	♦
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	-	-	♦
Other CIS	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	**0.3**	-	-	♦
Total CIS	**119.3**	**123.5**	**125.2**	**122.9**	**121.8**	**121.5**	**144.9**	**144.8**	**144.0**	**144.2**	**144.2**	**143.9**	**143.5**	**141.6**	**140.8**	**144.6**	**144.7**	**145.7**	**145.7**	**-**	**0.1%**	**8.4%**
Iran	99.1	130.7	133.3	132.7	137.5	138.4	138.2	137.6	137.0	151.2	154.6	157.3	157.8	157.5	158.4	157.2	155.6	155.6	**155.6**	-	1.2%	9.0%
Iraq	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	143.1	140.3	144.2	143.1	142.5	148.8	147.2	145.0	**145.0**	-	2.3%	8.4%
Kuwait	96.5	96.5	99.0	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	**101.5**	-	-	5.9%
Oman	5.9	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.0	5.2	5.3	5.4	5.4	5.4	**5.4**	-	-0.4%	0.3%
Qatar	16.8	27.6	27.0	26.9	27.9	27.4	27.3	26.8	25.9	24.7	23.9	25.2	25.1	25.7	25.2	25.2	25.2	25.2	**25.2**	-	-0.6%	1.5%
Saudi Arabia	262.7	262.8	262.7	264.3	264.2	264.3	264.2	264.1	264.6	264.5	265.4	265.9	265.8	266.6	266.5	266.2	296.0	297.7	**297.6**	♦	1.2%	17.2%
Syria	2.3	2.3	2.4	3.2	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	**2.5**	-	-	0.1%
United Arab Emirates	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	**97.8**	-	-	5.6%
Yemen	2.4	2.9	2.9	3.0	2.9	2.8	2.7	2.7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	**3.0**	-	1.2%	0.2%
Other Middle East	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.7	0.3	0.3	0.2	0.2	0.1	0.1	0.2	**0.2**	27.8%	2.1%	♦
Total Middle East	**698.7**	**741.3**	**745.7**	**750.1**	**755.5**	**755.9**	**754.9**	**753.7**	**753.1**	**765.9**	**797.9**	**799.3**	**802.9**	**803.1**	**802.9**	**807.7**	**834.3**	**833.9**	**833.8**	**♦**	**1.0%**	**48.1%**
Algeria	11.3	11.3	11.8	11.8	12.3	12.3	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	**12.2**	-	-	0.7%
Angola	6.5	8.9	8.8	9.0	9.1	9.3	9.5	9.5	9.5	9.1	9.1	9.1	9.0	8.4	9.5	9.5	8.4	8.2	**8.2**	-	-1.5%	0.5%
Chad	0.9	0.9	0.9	0.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	**1.5**	-	-	0.1%
Republic of Congo	1.5	1.5	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.7	2.9	3.0	3.0	3.0	3.0	**3.0**	-	4.4%	0.2%
Egypt	3.7	3.5	3.5	3.6	3.7	3.7	4.1	4.2	4.4	4.5	4.3	4.2	3.9	3.7	3.5	3.4	3.3	3.1	**3.1**	-	-3.1%	0.2%
Equatorial Guinea	1.1	1.1	1.3	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	**1.1**	-	-4.3%	0.1%
Gabon	2.4	2.4	2.3	2.2	2.1	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	**2.0**	-	-	0.1%
Libya	36.0	36.0	39.1	39.1	41.5	41.5	43.7	44.3	46.4	47.1	48.0	48.5	48.4	48.4	48.4	48.4	48.4	48.4	**48.4**	-	0.9%	2.8%
Nigeria	31.5	34.3	35.3	35.9	36.2	37.2	37.2	37.2	37.2	37.2	36.2	37.1	37.1	37.4	37.1	37.5	37.5	37.0	**37.0**	-	-0.1%	2.1%
South Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.5	3.5	3.5	3.5	3.5	3.5	3.5	**3.5**	-	n/a	0.2%
Sudan	0.6	0.6	0.6	0.6	0.6	5.0	5.0	5.0	5.0	5.0	5.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	**1.5**	-	-11.3%	0.1%
Tunisia	0.5	0.5	0.6	0.7	0.6	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	**0.4**	-	-3.0%	♦
Other Africa	0.6	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.6	2.3	2.2	3.7	3.7	3.7	4.0	4.0	3.9	3.9	**3.9**	♦	19.5%	0.2%
Total Africa	**96.6**	**101.6**	**106.5**	**107.9**	**111.7**	**117.6**	**120.0**	**120.8**	**123.0**	**124.9**	**124.6**	**127.4**	**127.5**	**126.8**	**127.6**	**127.9**	**126.7**	**125.7**	**125.7**	**♦**	**0.4%**	**7.2%**
Australia	5.0	4.6	3.7	3.9	3.7	3.5	3.4	4.2	4.1	3.8	3.9	3.9	4.0	2.4	2.4	2.4	2.4	2.4	**2.4**	-	-5.6%	0.1%
Brunei	1.2	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	**1.1**	-	0.2%	0.1%
China	15.4	15.5	15.5	18.3	18.2	20.2	20.8	21.2	21.6	23.3	23.7	24.4	24.7	25.2	25.6	25.7	25.9	26.2	**26.2**	-	2.1%	1.5%
India	5.5	5.6	5.7	5.6	5.9	5.7	5.5	5.8	5.8	5.8	5.7	5.7	5.7	5.7	4.8	4.7	4.5	4.5	**4.7**	4.1%	-2.6%	0.3%
Indonesia	5.1	4.7	4.7	4.3	4.2	4.4	4.0	3.7	4.3	4.2	3.7	3.7	3.7	3.6	3.6	3.3	3.2	3.2	**2.5**	-21.3%	-1.7%	0.1%
Malaysia	2.7	2.9	3.0	3.3	3.3	2.7	3.4	3.5	3.6	3.6	3.7	3.7	3.8	3.6	3.0	2.8	2.8	2.8	**2.8**	-	-2.0%	0.2%
Thailand	0.6	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.3	0.3	0.3	**0.3**	-	-4.3%	♦
Vietnam	2.2	2.8	3.0	3.1	3.1	3.3	3.4	4.7	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	**4.4**	-	-0.7%	0.3%
Other Asia Pacific	1.2	1.1	1.4	1.5	1.4	1.4	1.3	1.3	1.1	1.1	1.1	1.1	1.3	1.2	1.3	1.2	1.2	1.2	**1.4**	16.9%	-0.7%	0.1%
Total Asia Pacific	**38.8**	**38.9**	**38.7**	**41.5**	**41.5**	**42.8**	**43.3**	**46.0**	**46.6**	**47.8**	**47.9**	**48.5**	**49.1**	**47.7**	**46.6**	**45.9**	**45.9**	**46.0**	**45.7**	**-0.6%**	**♦**	**2.6%**
Total World	**1302.3**	**1351.9**	**1359.2**	**1366.0**	**1373.3**	**1384.3**	**1421.5**	**1490.3**	**1531.8**	**1638.2**	**1675.5**	**1685.0**	**1693.0**	**1695.5**	**1682.2**	**1689.8**	**1728.3**	**1735.9**	**1733.9**	**-0.1%**	**1.5%**	**100.0%**
of which: OECD	254.5	250.9	246.7	244.4	244.0	240.2	239.3	234.0	234.7	237.9	242.0	246.4	249.2	252.2	242.7	242.2	255.3	261.3	**260.1**	-0.5%	1.1%	15.0%
Non-OECD	1047.8	1100.9	1112.5	1121.5	1129.3	1144.1	1182.2	1256.3	1297.1	1400.2	1433.5	1438.5	1443.8	1443.3	1439.5	1447.6	1473.0	1474.6	**1473.7**	-0.1%	1.6%	85.0%
OPEC	842.5	879.4	889.1	896.3	903.5	912.8	926.8	999.6	1040.8	1139.8	1173.2	1175.0	1180.5	1180.6	1182.6	1189.0	1215.0	1214.8	**1214.7**	♦	2.0%	70.1%
Non-OPEC	459.8	472.5	470.2	469.6	469.8	471.5	494.7	490.6	491.0	498.3	502.3	510.0	512.4	514.9	499.6	500.7	513.2	521.1	**519.2**	-0.4%	0.6%	29.9%
European Union #	8.6	7.8	7.6	7.3	7.0	6.6	6.4	5.7	6.0	6.0	6.2	6.0	5.8	5.6	5.1	4.7	4.9	5.1	**5.0**	-0.6%	-1.1%	0.3%
Canadian Oil Sands: Total	174.7	174.4	174.4	174.0	173.6	173.1	172.6	170.3	169.8	169.2	168.6	167.8	167.1	166.2	165.3	164.4	165.3	163.5	**162.4**	-0.7%	-0.4%	9.4%
of which: Under active development	11.5	11.6	10.8	10.4	10.2	21.0	22.0	27.0	26.5	25.9	25.6	25.8	25.2	23.6	23.9	23.0	22.2	21.2	**20.1**	-5.0%	-2.4%	1.2%
Venezuela: Orinoco Belt	-	-	-	-	-	7.6	20.0	94.2	133.4	220.0	220.0	220.0	258.3	258.7	259.5	261.3	260.9	261.8	**261.8**	-	10.8%	15.1%

^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Notes: Total proved reserves of oil - Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for total proved oil does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent bp's view of proved reserves by country.

Reserves-to-production (R/P) ratio - If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

Source of data - The estimates in this table have been compiled using a combination of primary official sources, third-party data from the OPEC Secretariat, World Oil, Oil & Gas Journal and an independent estimates of Russian reserves based on official data and Chinese reserves based on official data and information in the public domain.
Canadian oil sands 'under active development' are an official estimate. Venezuelan Orinoco Belt reserves are based on the OPEC Secretariat and government announcements.
Reserves and R/P ratio for Canada includes Canadian oil sands. Reserves and R/P ratio for Venezuela includes the Orinoco Belt. Saudi Arabia's oil reserves include NGLs from 2017.

Reserves include gas condensate and natural gas liquids (NGLs) as well as crude oil.
Annual changes and shares of total are calculated using thousand million barrels figures.

Contents

Oil: Production*

Contents

Thousand barrels daily	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	920	1012	1106	1194	1306	1473	1582	1829	2114	1993	1735	1598	1608	1597	1835	1764	1610	1590	1661	1775	1813	1805	1909	2002	1961	1968	1984	2066
Mexico	362	370	411	439	461	487	486	506	525	653	806	894	1085	1327	1607	2129	2553	3001	2930	2942	2912	2758	2879	2877	2897	2941	3100	3098
US	9014	9579	10219	10600	10828	11297	11156	11185	10946	10461	10008	9736	9863	10274	10136	10170	10181	10199	10247	10509	10580	10231	9944	9765	9159	8914	9076	8868
Total North America	**10296**	**10961**	**11736**	**12233**	**12595**	**13257**	**13224**	**13520**	**13585**	**13107**	**12549**	**12228**	**12556**	**13198**	**13578**	**14063**	**14344**	**14790**	**14838**	**15226**	**15305**	**14794**	**14732**	**14644**	**14018**	**13823**	**14159**	**14032**
Argentina	276	293	319	348	362	399	432	444	434	423	406	408	442	466	487	506	519	517	520	509	491	465	459	481	492	517	526	587
Brazil	96	117	147	161	176	167	175	171	174	182	177	172	167	166	172	188	220	268	339	474	561	591	590	574	613	651	643	653
Colombia	203	199	192	176	214	226	224	203	192	175	164	153	144	137	129	131	140	147	158	173	183	307	388	380	407	446	430	442
Ecuador	8	7	6	5	4	4	4	78	209	177	161	188	184	204	216	206	213	213	240	261	286	298	176	309	286	292	307	328
Peru	66	66	74	77	75	75	64	67	73	79	73	77	92	152	193	196	194	196	171	185	189	179	165	142	131	130	116	117
Trinidad & Tobago	135	153	179	191	157	140	129	141	166	187	216	212	229	230	214	212	189	177	160	170	176	169	155	151	149	150	149	144
Venezuela	3503	3402	3576	3639	3631	3754	3615	3301	3455	3060	2422	2371	2314	2227	2425	2228	2163	1954	1852	1853	1744	1886	1910	1998	2012	2244	2501	2499
Other S. & Cent. America	47	54	78	85	84	64	80	89	90	86	78	78	68	66	66	80	87	99	98	95	91	89	86	77	76	77	77	76
Total S. & Cent. America	**4334**	**4291**	**4571**	**4682**	**4702**	**4829**	**4723**	**4494**	**4792**	**4369**	**3697**	**3659**	**3640**	**3648**	**3902**	**3747**	**3725**	**3571**	**3539**	**3720**	**3721**	**3984**	**3928**	**4112**	**4167**	**4507**	**4749**	**4845**
Denmark	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2	3	2	3	4	10	8	8	6	15	34	43	47	60	74	93	96	112	121	142	157
Italy	48	39	37	35	34	32	29	25	23	23	27	28	27	31	36	35	31	37	47	47	50	53	82	100	96	97	90	93
Norway	n/a	n/a	n/a	n/a	n/a	n/a	6	33	32	35	189	279	287	356	407	528	512	532	661	752	823	907	1054	1196	1567	1716	1955	2217
Romania	266	271	279	280	281	284	292	298	304	308	311	313	313	293	265	250	254	256	252	249	236	223	211	205	202	169	146	142
United Kingdom	2	2	2	2	2	4	5	8	9	10	34	254	799	1127	1623	1676	1868	2167	2422	2652	2695	2691	2612	2414	1943	1933	1934	1996
Other Europe	470	487	507	518	530	528	509	504	509	510	508	494	481	490	508	484	470	493	530	531	701	705	684	662	642	632	636	601
Total Europe	**786**	**798**	**824**	**834**	**847**	**847**	**841**	**871**	**880**	**888**	**1072**	**1372**	**1917**	**2306**	**2848**	**2980**	**3149**	**3518**	**3955**	**4279**	**4565**	**4654**	**4736**	**4674**	**4561**	**4668**	**4903**	**5206**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	274	268	286	280	268	254	240	228
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	485	503	523	545	556	571	589	569
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10863	11247	11416	11373	11070	10342	9264	7978
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	142	138	135	120	121	120	113	109
USSR	4858	5302	5762	6167	6566	7127	7610	8064	8664	9270	9916	10466	11010	11531	11805	12116	12260	12330	12403	12297	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	55	61	64	60	66	69	69	79
Other CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	52	51	50	49	47	45	44
Total CIS	**4858**	**5302**	**5762**	**6167**	**6566**	**7127**	**7610**	**8064**	**8664**	**9270**	**9916**	**10466**	**11010**	**11531**	**11805**	**12116**	**12260**	**12330**	**12403**	**12297**	**11870**	**12269**	**12476**	**12428**	**12131**	**11403**	**10319**	**9007**
Iran	1908	2132	2603	2840	3376	3848	4572	5059	5907	6060	5387	5918	5714	5302	3218	1479	1321	2397	2454	2043	2205	2054	2342	2349	2894	3270	3500	3523
Iraq	1313	1392	1228	1503	1521	1549	1694	1466	2018	1977	2271	2422	2358	2574	3489	2658	907	988	1106	1228	1425	1899	2391	2782	2838	2149	285	531
Kuwait	2371	2505	2522	2656	2819	3036	3253	3339	3080	2603	2132	2199	2024	2182	2623	1757	1187	862	1117	1229	1127	1210	1072	1286	1408	964	185	1077
Oman	n/a	n/a	57	241	327	332	294	282	293	290	341	367	340	314	295	285	330	338	391	419	502	564	588	625	651	695	716	748
Qatar	233	291	324	340	356	363	430	482	570	518	437	487	435	484	506	476	421	345	316	353	315	355	315	360	403	434	420	495
Saudi Arabia	2219	2618	2825	3081	3262	3851	4821	6070	7693	8618	7216	8762	9419	8554	9842	10270	10256	6961	4951	4534	3601	5208	4450	5656	5636	7106	8820	9092
Syria	n/a	n/a	n/a	21	53	85	106	117	111	129	192	201	183	179	167	158	164	155	161	162	159	201	231	268	341	407	472	514
United Arab Emirates	282	360	382	497	628	780	1060	1203	1533	1679	1664	1936	1999	1831	1831	1735	1540	1362	1293	1246	1211	1413	1471	1544	1819	1985	2274	2495
Yemen	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10	26	170	178	182	197	184
Other Middle East	61	66	73	78	78	79	76	71	69	68	62	59	59	55	51	55	54	52	50	50	50	51	52	53	53	52	53	54
Total Middle East	**8387**	**9364**	**10014**	**11256**	**12420**	**13922**	**16306**	**18089**	**21274**	**21941**	**19701**	**22352**	**22530**	**21475**	**22021**	**18872**	**16181**	**13460**	**11839**	**11264**	**10596**	**12965**	**12939**	**15095**	**16221**	**17242**	**16922**	**18714**
Algeria	570	734	843	922	969	1054	803	1081	1129	1046	1025	1144	1225	1253	1283	1134	1029	1040	1027	1122	1087	1126	1178	1233	1276	1367	1373	1321
Angola	13	13	11	15	50	103	116	143	166	173	158	153	143	131	146	150	145	130	178	204	232	283	355	452	460	475	498	550
Chad	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Republic of Congo	1	1	1	1	^	^	^	6	41	48	35	41	32	47	54	61	80	88	104	117	115	115	123	136	154	156	156	167
Egypt	126	122	109	166	239	319	291	208	165	145	228	322	407	491	509	580	628	651	712	816	882	806	907	869	878	897	896	906
Equatorial Guinea	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2
Gabon	25	29	69	93	101	109	116	126	152	204	227	226	226	212	196	178	153	156	158	174	173	166	155	178	205	270	295	289
Libya	1220	1508	1733	2599	3108	3357	2750	2248	2211	1558	1514	1972	2108	2023	2139	1862	1253	1176	1151	1022	1025	1064	1003	1051	1164	1424	1439	1473
Nigeria	274	418	319	141	540	1083	1531	1816	2054	2255	1783	2067	2085	1897	2302	2058	1440	1287	1236	1388	1499	1467	1353	1391	1776	1787	1963	2032
South Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Tunisia	n/a	16	47	67	78	87	87	84	82	87	97	78	91	104	117	118	114	108	117	115	114	111	106	104	105	102	117	117
Other Africa	2	2	2	2	1	1	^	1	1	1	^	25	24	31	55	78	119	149	163	205	241	233	219	211	196	190	176	163
Total Africa	**2232**	**2842**	**3133**	**4007**	**5087**	**6113**	**5694**	**5712**	**6000**	**5517**	**5068**	**6028**	**6340**	**6189**	**6801**	**6219**	**4961**	**4786**	**4845**	**5164**	**5369**	**5371**	**5399**	**5625**	**6214**	**6667**	**6912**	**7019**
Australia	7	9	21	39	45	176	315	337	424	420	451	461	490	490	491	460	449	443	431	563	655	588	623	593	562	647	613	605
Brunei	80	96	104	122	124	136	129	182	231	198	187	217	227	240	261	240	175	179	179	172	168	165	155	150	150	152	164	182
China	227	292	279	320	437	616	791	915	1077	1302	1548	1746	1880	2090	2132	2122	2033	2051	2130	2295	2508	2625	2694	2745	2764	2778	2831	2845
India	62	96	117	120	139	140	148	152	148	155	171	178	210	233	265	193	309	412	525	583	627	658	639	672	719	715	677	615
Indonesia	486	474	510	599	642	854	892	1081	1338	1375	1306	1504	1685	1635	1590	1577	1602	1337	1419	1505	1342	1429	1420	1373	1481	1539	1669	1579
Malaysia	1	1	1	4	9	18	69	93	91	81	98	167	183	216	282	276	259	304	385	446	445	500	494	540	589	622	648	657
Thailand	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2	6	13	24	49	48	45	51	49	60	71	84
Vietnam	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6	14	30	55	80	111
Other Asia Pacific	35	34	31	35	36	40	42	44	47	47	48	62	73	72	93	78	78	86	91	104	124	127	121	125	135	145	149	205
Total Asia Pacific	**899**	**1002**	**1063**	**1240**	**1432**	**1979**	**2387**	**2804**	**3356**	**3578**	**3808**	**4335**	**4748**	**4975**	**5113**	**4946**	**4907**	**4817**	**5174**	**5692**	**5918**	**6140**	**6197**	**6263**	**6480**	**6712**	**6903**	**6882**
Total World	**31792**	**34561**	**37104**	**40418**	**43649**	**48075**	**50785**	**53554**	**58552**	**58671**	**55811**	**60440**	**62740**	**63322**	**66067**	**62942**	**59527**	**57271**	**56592**	**57640**	**57345**	**60176**	**60406**	**62840**	**63792**	**65022**	**64865**	**65704**
of which: OECD	10815	11478	12273	12795	13170	13952	14045	14377	14530	14055	13698	13686	14587	15625	16558	17187	17646	18460	18938	19791	20120	19657	19728	19567	18806	18845	19412	19593
Non-OECD	20977	23083	24831	27623	30479	34123	36741	39177	44022	44616	42112	46754	48153	47697	49509	45755	41881	38811	37654	37850	37225	40519	40679	43273	44985	46177	45453	46111
OPEC	13709	15118	16118	17992	20010	22527	24335	25936	29648	29458	25995	29400	29830	28437	29762	25775	21687	18614	16866	16421	15731	18189	17980	20366	21929	23487	23595	25378
Non-OPEC	18083	19443	20986	22426	23639	25548	26450	27618	28904	29213	29816	31040	32910	34886	36305	37167	37840	38657	39726	41219	41614	41987	42426	42474	41863	41535	41270	40326
European Union #	699	697	705	702	698	694	677	668	674	686	714	929	1462	1774	2247	2284	2480	2830	3143	3377	3445	3458	3397	3209	2724	2721	2706	2761

Thousand barrels daily	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	2189	2281	2402	2480	2588	2672	2604	2884	2895	3011	3157	3230	3188	3359	3433	3341	3331	3457	3637	3860	4128	4418	4572	4655	5037	5501	**5651**	2.7%	5.1%	5.9%
Mexico	3115	3136	3055	3270	3409	3499	3352	3456	3568	3593	3795	3830	3766	3689	3479	3165	2978	2959	2940	2911	2875	2784	2587	2456	2224	2068	**1918**	-7.3%	-4.2%	2.0%
US	8583	8389	8322	8295	8269	8011	7731	7733	7670	7624	7368	7250	6901	6825	6857	6783	7267	7558	7883	8926	10099	11801	12781	12349	13135	15360	**17045**	11.0%	8.5%	17.9%
Total North America	**13887**	**13806**	**13779**	**14045**	**14265**	**14182**	**13688**	**14072**	**14132**	**14228**	**14320**	**14310**	**13854**	**13873**	**13768**	**13290**	**13576**	**13975**	**14460**	**15697**	**17101**	**19004**	**19940**	**19460**	**20396**	**22929**	**24614**	**7.3%**	**5.6%**	**25.9%**
Argentina	630	695	758	823	877	890	835	848	921	908	913	874	842	849	814	802	730	712	667	657	644	638	646	610	590	591	**620**	4.9%	-3.0%	0.7%
Brazil	667	692	715	808	869	1003	1132	1276	1339	1498	1558	1543	1706	1806	1820	1887	2019	2125	2173	2132	2096	2341	2525	2591	2721	2679	**2877**	7.4%	3.6%	3.0%
Colombia	458	460	591	635	667	775	838	687	604	578	541	528	526	527	531	588	671	786	915	944	1010	990	1006	886	854	865	**886**	2.4%	3.9%	0.9%
Ecuador	353	388	395	393	397	385	383	403	410	394	420	528	534	538	513	507	488	488	501	505	527	557	543	548	531	517	**531**	2.7%	0.2%	0.6%
Peru	127	128	123	121	120	116	107	100	98	94	92	93	112	118	117	122	155	165	159	157	171	175	153	141	137	154	**142**	-7.2%	2.3%	0.1%
Trinidad & Tobago	134	141	142	141	135	134	141	138	134	154	164	152	172	174	155	149	150	145	136	117	116	114	109	97	99	87	**82**	-5.8%	-5.2%	0.1%
Venezuela	2592	2752	2959	3137	3321	3447	3095	3112	3174	2975	2869	3306	3302	3340	3237	3228	3038	2842	2755	2704	2680	2692	2631	2347	2096	1475	**918**	-37.7%	-7.5%	1.0%
Other S. & Cent. America	83	90	96	102	108	125	124	126	134	149	149	143	143	139	148	143	136	144	144	147	152	155	146	135	133	127	**118**	-7.1%	-1.2%	0.1%
Total S. & Cent. America	**5044**	**5346**	**5779**	**6160**	**6495**	**6876**	**6654**	**6690**	**6814**	**6750**	**6705**	**7168**	**7337**	**7490**	**7335**	**7426**	**7387**	**7407**	**7450**	**7362**	**7397**	**7662**	**7758**	**7355**	**7161**	**6495**	**6174**	**-4.9%**	**-1.3%**	**6.5%**
Denmark	168	185	186	208	230	238	299	363	348	371	368	390	380	346	311	287	265	249	225	204	178	167	158	142	138	116	**103**	-11.2%	-8.7%	0.1%
Italy	96	102	109	113	124	117	104	95	86	115	116	113	127	120	122	108	95	106	110	112	114	120	113	78	86	97	**89**	-8.7%	-1.1%	0.1%
Norway	2377	2693	2903	3232	3280	3138	3139	3326	3395	3314	3245	3173	2954	2764	2543	2458	2343	2133	2033	1911	1832	1881	1940	1991	1965	1845	**1731**	-6.2%	-2.8%	1.8%
Romania	144	145	145	142	141	137	133	132	131	128	124	120	114	105	100	99	94	90	89	83	86	84	83	79	76	75	**75**	0.3%	-2.8%	0.1%
United Kingdom	2135	2694	2769	2755	2721	2849	2950	2710	2514	2500	2291	2059	1838	1662	1655	1554	1474	1358	1114	947	865	854	964	1015	1005	1092	**1118**	2.4%	-3.5%	1.2%
Other Europe	556	559	531	503	481	463	432	420	419	434	438	429	408	399	397	377	357	342	336	336	344	339	331	313	303	308	**298**	-3.1%	-2.0%	0.3%
Total Europe	**5477**	**6378**	**6643**	**6953**	**6977**	**6942**	**7057**	**7045**	**6893**	**6861**	**6581**	**6284**	**5821**	**5396**	**5127**	**4884**	**4627**	**4277**	**3906**	**3593**	**3420**	**3444**	**3590**	**3618**	**3573**	**3532**	**3413**	**-3.4%**	**-3.2%**	**3.6%**
Azerbaijan	207	193	185	183	182	231	279	281	300	307	308	309	445	646	876	916	1027	1037	932	882	888	861	851	838	793	796	**779**	-2.1%	-1.4%	0.8%
Kazakhstan	507	446	450	493	557	558	656	740	841	993	1081	1248	1295	1370	1415	1485	1609	1676	1684	1664	1737	1710	1695	1655	1838	1927	**1931**	0.2%	2.6%	2.0%
Russian Federation	7119	6371	6236	6062	6171	6110	6119	6583	7106	7755	8602	9335	9598	9834	10057	9965	10152	10379	10533	10656	10807	10860	11007	11269	11255	11438	**11540**	0.9%	1.4%	12.1%
Turkmenistan	92	87	84	90	108	129	143	146	156	165	176	186	197	203	208	215	221	226	234	244	256	263	271	270	271	261	**264**	1.1%	1.9%	0.3%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	94	124	172	174	182	191	191	159	153	153	151	138	115	114	104	102	95	78	77	68	63	61	59	58	61	64	**62**	-3.2%	-4.5%	0.1%
Other CIS	43	42	41	39	39	39	39	39	39	39	38	38	38	37	37	37	36	36	36	35	35	35	36	36	37	38	**39**	2.9%	0.3%	♦
Total CIS	**8062**	**7263**	**7168**	**7041**	**7238**	**7258**	**7425**	**7948**	**8595**	**9411**	**10356**	**11254**	**11687**	**12203**	**12697**	**12719**	**13141**	**13431**	**13496**	**13549**	**13786**	**13790**	**13918**	**14126**	**14255**	**14524**	**14614**	**0.6%**	**1.3%**	**15.4%**
Iran	3712	3730	3744	3759	3776	3855	3603	3850	3824	3617	4084	4216	4217	4291	4356	4415	4285	4421	4452	3810	3609	3714	3853	4578	5007	4801	**3535**	-26.4%	0.8%	3.7%
Iraq	455	505	530	580	1166	2121	2610	2613	2522	2116	1344	2030	1833	1999	2143	2428	2446	2469	2773	3079	3103	3239	3986	4423	4538	4632	**4779**	3.2%	6.7%	5.0%
Kuwait	1945	2085	2130	2129	2137	2232	2085	2244	2184	2027	2371	2520	2669	2740	2667	2791	2502	2564	2918	3173	3134	3106	3069	3150	3009	3050	**2996**	-1.8%	0.9%	3.1%
Oman	785	819	868	897	909	905	905	955	956	897	820	780	774	738	710	757	813	865	885	918	942	943	981	1004	971	978	**971**	-0.8%	2.6%	1.0%
Qatar	460	451	461	568	692	701	723	851	856	802	947	1079	1148	1238	1263	1432	1415	1630	1824	1928	1991	1975	1933	1938	1882	1900	**1883**	-0.9%	2.9%	2.0%
Saudi Arabia	8893	8983	8974	9087	9005	9267	8524	9121	8935	8207	9628	10306	10839	10671	10269	10665	9709	9865	11079	11622	11393	11519	11998	12406	11892	12261	**11832**	-3.5%	1.4%	12.4%
Syria	566	563	596	586	577	576	579	573	613	677	652	487	448	421	404	406	401	385	353	171	59	33	27	25	25	24	**24**	-2.2%	-24.6%	♦
United Arab Emirates	2438	2463	2444	2501	2522	2610	2414	2599	2541	2366	2722	2822	2945	3135	3094	3113	2795	2937	3300	3425	3566	3603	3898	4038	3910	3912	**3998**	2.2%	2.3%	4.2%
Yemen	209	346	351	357	375	380	405	437	453	457	451	424	421	387	341	316	308	306	220	178	197	153	63	43	71	83	**98**	18.1%	-12.5%	0.1%
Other Middle East	53	52	52	50	50	49	48	48	47	48	48	48	185	182	194	193	192	192	201	184	209	214	213	214	208	207	**214**	3.7%	0.7%	0.2%
Total Middle East	**19517**	**19997**	**20150**	**20514**	**21210**	**22696**	**21896**	**23292**	**22930**	**21213**	**23067**	**24711**	**25480**	**25800**	**25441**	**26515**	**24866**	**25634**	**28007**	**28487**	**28202**	**28499**	**30021**	**31819**	**31512**	**31848**	**30329**	**-4.8%**	**1.8%**	**31.9%**
Algeria	1322	1317	1310	1379	1448	1452	1398	1549	1534	1653	1826	1921	1990	1979	1992	1951	1775	1689	1642	1537	1485	1589	1558	1577	1540	1511	**1486**	-1.6%	-2.5%	1.6%
Angola	504	557	633	716	741	731	745	746	742	905	870	1106	1269	1401	1656	1876	1754	1812	1670	1734	1738	1701	1796	1745	1671	1519	**1417**	-6.7%	-2.1%	1.5%
Chad	n/a	n/a	n/a	n/a	n/a	n/a	-	n/a	n/a	n/a	24	168	173	153	144	127	118	122	114	101	91	89	111	117	98	116	**127**	9.8%	-0.9%	0.1%
Republic of Congo	185	185	180	200	225	264	266	265	248	238	217	225	247	278	224	237	276	314	301	280	243	253	234	232	270	330	**339**	2.6%	3.4%	0.4%
Egypt	941	921	924	894	873	857	827	779	758	751	750	701	672	679	698	715	730	725	714	715	710	714	726	691	660	699	**686**	-1.9%	-0.2%	0.7%
Equatorial Guinea	5	5	7	17	60	83	100	118	194	230	266	351	380	364	374	369	332	306	301	320	282	284	260	223	195	190	**180**	-5.3%	-6.4%	0.2%
Gabon	305	337	356	365	364	337	340	276	262	256	274	273	270	242	246	240	241	233	236	221	213	211	214	221	210	193	**218**	12.7%	-2.1%	0.2%
Libya	1402	1431	1439	1452	1491	1480	1425	1475	1428	1375	1485	1622	1745	1872	1908	1875	1739	1799	516	1539	1048	518	437	412	929	1165	**1227**	5.3%	-4.6%	1.3%
Nigeria	2018	1934	1949	1971	1978	2023	1895	2174	2157	1951	2299	2487	2482	2371	2206	2172	2211	2533	2461	2412	2279	2276	2201	1900	1969	2007	**2109**	5.1%	-0.8%	2.2%
South Sudan	n/a	n/a	n/a	n/a	n/a	n/a	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	31	100	155	148	117	122	128	**139**	8.7%	n/a	0.1%
Sudan	2	2	2	5	9	12	63	179	209	236	262	291	294	356	483	457	475	462	291	103	118	120	109	104	95	100	**102**	2.2%	-14.1%	0.1%
Tunisia	106	98	95	94	90	88	90	82	76	80	73	75	78	76	104	96	91	83	77	82	76	71	64	60	48	50	**50**	-	-6.3%	0.1%
Other Africa	166	157	157	172	188	168	151	145	136	136	140	173	177	227	191	184	181	149	198	196	225	234	273	255	300	300	**317**	5.8%	5.0%	0.3%
Total Africa	**6955**	**6945**	**7050**	**7265**	**7466**	**7494**	**7300**	**7788**	**7745**	**7812**	**8485**	**9392**	**9777**	**10000**	**10226**	**10299**	**9923**	**10227**	**8520**	**9270**	**8607**	**8216**	**8129**	**7653**	**8109**	**8308**	**8399**	**1.1%**	**-2.1%**	**8.8%**
Australia	568	610	579	612	658	630	612	806	748	749	655	574	570	532	549	538	507	548	483	479	407	436	384	361	348	356	**490**	37.9%	-4.0%	0.5%
Brunei	175	179	175	165	163	157	182	193	203	210	214	210	206	221	194	175	168	172	165	159	135	126	127	121	113	112	**121**	8.8%	-4.4%	0.1%
China	2892	2934	2993	3175	3216	3217	3218	3257	3310	3351	3406	3486	3642	3711	3742	3814	3805	4077	4074	4155	4216	4246	4309	3999	3846	3798	**3836**	1.0%	♦	4.0%
India	590	684	774	736	754	737	736	726	730	753	761	777	755	778	786	818	838	901	937	926	926	905	893	874	885	869	**826**	-4.9%	0.6%	0.9%
Indonesia	1588	1589	1578	1580	1557	1520	1408	1456	1387	1289	1176	1130	1096	1018	972	1006	994	1003	952	917	883	847	838	876	838	808	**781**	-3.4%	-2.2%	0.8%
Malaysia	645	657	704	716	714	725	691	724	704	741	761	777	742	697	725	727	688	733	659	663	627	649	696	726	718	707	**651**	-8.0%	-0.3%	0.7%
Thailand	87	86	85	96	109	113	123	186	206	222	255	251	310	336	354	371	385	393	429	471	466	464	481	489	486	478	**477**	-0.1%	2.6%	0.5%
Vietnam	128	144	154	178	205	253	309	338	350	353	370	417	387	352	332	310	340	312	316	347	346	325	352	317	284	257	**236**	-7.9%	-1.9%	0.2%
Other Asia Pacific	277	259	229	245	227	217	220	200	196	200	195	237	288	306	321	342	331	318	302	291	274	296	298	281	273	233	**230**	-1.3%	-3.7%	0.2%
Total Asia Pacific	**6950**	**7142**	**7271**	**7502**	**7602**	**7570**	**7498**	**7883**	**7833**	**7869**	**7792**	**7859**	**7994**	**7949**	**7975**	**8100**	**8057**	**8458**	**8318**	**8407**	**8281**	**8295**	**8377**	**8043**	**7792**	**7617**	**7650**	**0.4%**	**-0.6%**	**8.0%**
Total World	**65892**	**66877**	**67841**	**69478**	**71253**	**73017**	**71518**	**74718**	**74943**	**74145**	**77305**	**80979**	**81952**	**82711**	**82570**	**83234**	**81578**	**83409**	**84157**	**86366**	**86794**	**88910**	**91733**	**92072**	**92798**	**95254**	**95192**	**-0.1%**	**1.4%**	**100.0%**
of which: OECD	19697	20564	20761	21381	21687	21542	21153	21723	21578	21643	21350	20959	20040	19597	19275	18560	18570	18671	18713	19630	20780	22749	23781	23310	24193	26682	**28381**	6.4%	3.7%	29.8%
Non-OECD	46195	46313	47080	48097	49566	51475	50366	52995	53365	52502	55955	60020	61912	63114	63294	64674	63008	64738	65444	66736	66014	66161	67951	68762	68604	68572	**66811**	-2.6%	0.6%	70.2%
OPEC	26129	26672	27048	27685	28631	30287	28883	30546	30156	28310	30675	33712	34723	35221	34885	35867	33590	34272	34905	36358	35300	35262	36677	37799	37769	37563	**35566**	-5.3%	0.5%	37.4%
Non-OPEC	39763	40205	40793	41793	42622	42730	42636	44172	44787	45835	46630	47267	47229	47490	47684	47367	47988	49138	49252	50008	51494	53648	55056	54273	55029	57691	**59626**	3.4%	2.0%	62.6%
European Union #	2896	3492	3550	3530	3508	3626	3753	3562	3344	3397	3181	2951	2705	2466	2419	2263	2124	1984	1714	1519	1425	1406	1499	1485	1470	1540	**1531**	-0.6%	-3.8%	1.6%

Source: includes data from FGE.

* Includes crude oil, shale oil, oil sands, condensates (lease condensate or gas condensates that require further refining) and NGLs (natural gas liquids - ethane, LPG and naphtha separated from the production of natural gas).
Excludes liquid fuels from other sources such as biofuels and synthetic derivatives of coal and natural gas. This also excludes liquid fuel adjustment factors such as refinery processing gain. Excludes oil shales/kerogen extracted in solid form.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Note: Annual changes and shares of total are calculated using thousand barrels daily figures.

Oil: Production*

Contents

Million tonnes	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Canada	43.9	48.2	52.7	57.1	62.2	70.1	75.2	86.7	100.3	94.4	81.6	75.3	75.6	75.2	86.3	83.3	75.4	74.6	78.6	83.8	85.7
Mexico	18.1	18.5	20.5	21.9	23.0	24.2	24.1	25.1	25.9	32.4	40.2	44.8	54.4	66.7	80.7	107.2	128.0	151.0	147.1	148.3	145.9
US	427.7	454.5	484.2	502.9	511.4	533.5	525.9	527.9	514.7	491.4	469.8	458.0	462.8	484.2	477.0	480.2	478.8	480.7	483.0	496.1	498.7
Total North America	**489.6**	**521.2**	**557.4**	**581.9**	**596.5**	**627.7**	**625.2**	**639.7**	**640.8**	**618.2**	**591.5**	**578.1**	**592.7**	**626.1**	**643.9**	**670.7**	**682.2**	**706.3**	**708.6**	**728.3**	**730.2**
Argentina	13.8	14.6	16.0	17.5	18.1	20.0	21.6	22.2	21.6	21.1	20.3	20.4	22.1	23.2	24.3	25.3	25.7	25.6	25.7	25.1	24.2
Brazil	5.0	6.2	7.8	8.5	9.3	8.8	9.2	9.0	9.2	9.6	9.3	9.1	8.7	8.7	9.0	9.9	11.5	14.1	17.8	25.0	29.5
Colombia	10.7	10.4	10.1	9.3	11.2	11.8	11.7	10.6	9.9	9.1	8.5	7.9	7.5	7.1	6.7	6.8	7.3	7.6	8.2	9.0	9.5
Ecuador	0.4	0.4	0.3	0.3	0.2	0.2	0.2	4.2	11.2	9.5	8.6	10.1	9.8	10.9	11.5	11.0	11.4	11.4	12.8	13.9	15.2
Peru	3.4	3.4	3.8	4.0	3.9	3.9	3.3	3.5	3.8	4.1	3.8	4.0	4.8	7.9	10.0	10.2	10.1	10.2	8.9	9.7	9.9
Trinidad & Tobago	6.7	7.6	8.9	9.5	7.8	6.9	6.4	7.0	8.2	9.3	10.7	10.5	11.3	11.4	10.6	10.5	9.4	8.8	7.9	8.4	8.6
Venezuela	184.1	178.8	187.9	191.8	190.8	197.2	189.9	173.8	181.4	160.7	127.1	124.8	121.5	117.0	127.4	117.3	113.6	102.6	97.3	97.6	91.5
Other S. & Cent. America	2.2	2.5	3.6	3.9	3.9	3.0	3.6	4.0	4.0	3.8	3.5	3.5	3.0	2.9	3.0	3.6	3.9	4.6	4.5	4.4	4.2
Total S. & Cent. America	**226.3**	**223.9**	**238.3**	**244.7**	**245.1**	**251.8**	**245.9**	**234.3**	**249.3**	**227.1**	**191.8**	**190.4**	**188.7**	**189.1**	**202.5**	**194.7**	**192.9**	**184.8**	**183.2**	**193.2**	**192.6**
Denmark	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.1	0.1	0.1	0.1	0.2	0.5	0.4	0.4	0.3	0.7	1.7	2.1	2.3	2.9
Italy	2.3	1.9	1.7	1.6	1.6	1.5	1.4	1.2	1.1	1.1	1.2	1.3	1.2	1.5	1.7	1.7	1.5	1.8	2.2	2.3	2.4
Norway	n/a	n/a	n/a	n/a	n/a	n/a	0.3	1.6	1.6	1.7	9.2	13.7	14.0	17.4	19.5	25.0	24.3	25.2	31.4	36.0	39.2
Romania	12.8	13.1	13.5	13.5	13.5	13.7	14.1	14.4	14.6	14.8	15.0	15.1	15.0	14.1	12.7	12.0	12.1	12.2	12.1	11.9	11.2
United Kingdom	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	1.6	12.2	38.3	54.0	77.9	80.5	89.5	103.2	115.0	126.1	127.6
Other Europe	23.8	24.6	25.6	26.3	26.8	26.7	25.7	25.5	25.6	25.5	25.2	24.5	23.7	24.1	25.1	23.9	23.0	24.1	25.9	26.1	33.9
Total Europe	**39.0**	**39.6**	**40.9**	**41.5**	**42.0**	**42.0**	**41.6**	**43.1**	**43.4**	**43.6**	**52.3**	**66.9**	**92.8**	**111.5**	**137.3**	**143.4**	**151.1**	**168.2**	**188.7**	**204.6**	**217.3**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	13.2
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	22.7
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	542.3
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6.8
USSR	242.9	265.1	288.1	309.2	328.3	353.0	377.0	400.4	429.0	458.9	490.8	519.7	545.8	571.5	585.6	603.2	608.8	612.6	616.3	612.7	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.3
Other CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6
Total CIS	**242.9**	**265.1**	**288.1**	**309.2**	**328.3**	**353.0**	**377.0**	**400.4**	**429.0**	**458.9**	**490.8**	**519.7**	**545.8**	**571.5**	**585.6**	**603.2**	**608.8**	**612.6**	**616.3**	**612.7**	**589.9**
Iran	95.7	106.9	130.5	142.8	169.3	192.6	228.7	253.7	295.4	303.2	269.5	297.0	285.6	264.8	160.5	74.2	66.2	120.1	122.8	102.5	110.4
Iraq	64.7	68.6	60.5	74.2	74.9	76.3	83.4	72.4	99.4	97.3	111.7	119.5	116.0	126.6	171.6	131.1	44.5	48.5	54.4	60.5	69.8
Kuwait	119.0	125.6	126.4	133.1	140.9	151.8	162.5	167.3	153.8	129.9	106.3	109.9	100.8	108.8	129.6	86.8	58.6	42.7	55.0	60.7	55.5
Oman	n/a	n/a	2.8	12.0	16.2	16.4	14.6	14.0	14.5	14.4	16.9	18.2	16.8	15.6	14.6	14.1	16.3	16.7	19.3	20.8	24.8
Qatar	11.6	14.5	16.1	17.0	17.7	18.1	21.4	24.1	28.4	25.8	21.8	24.3	21.7	24.1	25.2	23.7	20.7	16.9	15.3	17.1	15.3
Saudi Arabia	111.0	131.0	141.3	154.2	162.8	192.2	240.8	304.2	384.0	429.6	359.3	437.3	468.4	424.4	488.0	509.8	506.3	340.2	240.3	219.0	172.1
Syria	n/a	n/a	n/a	1.0	2.6	4.2	5.3	5.8	5.5	6.4	9.6	10.0	9.1	8.9	8.3	7.9	8.2	7.7	8.0	8.1	7.9
United Arab Emirates	13.7	17.4	18.5	24.1	30.4	37.8	51.3	58.4	74.2	81.3	80.6	94.0	96.8	88.6	88.7	83.8	74.1	64.4	60.7	58.1	56.0
Yemen	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other Middle East	3.0	3.3	3.6	3.9	3.9	3.9	3.8	3.5	3.4	3.4	3.1	2.9	2.9	2.8	2.6	2.7	2.6	2.5	2.4	2.4	2.4
Total Middle East	**418.7**	**467.2**	**499.8**	**562.4**	**618.7**	**693.3**	**811.8**	**903.6**	**1058.7**	**1091.2**	**978.7**	**1113.2**	**1118.1**	**1064.6**	**1089.1**	**934.0**	**797.5**	**659.7**	**578.2**	**549.3**	**514.1**
Algeria	26.1	33.6	38.6	42.4	44.4	48.3	36.8	49.7	51.7	47.8	46.8	52.2	55.8	56.9	58.1	51.5	45.9	45.7	45.0	48.8	47.1
Angola	0.7	0.6	0.5	0.8	2.5	5.1	5.7	7.1	8.2	8.5	7.8	7.6	7.1	6.5	7.2	7.4	7.2	6.4	8.8	10.1	11.5
Chad	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Republic of Congo	0.1	0.1	^	^	^	^	^	0.3	2.1	2.5	1.8	2.1	1.6	2.4	2.8	3.2	4.1	4.6	5.4	6.0	5.9
Egypt	6.5	6.3	5.6	8.6	12.3	16.4	15.0	10.7	8.5	7.5	11.7	16.6	20.9	25.2	26.1	29.8	32.2	33.3	36.4	41.8	45.1
Equatorial Guinea	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Gabon	1.3	1.4	3.4	4.6	5.0	5.4	5.8	6.3	7.6	10.2	11.3	11.3	11.3	10.6	9.8	8.9	7.7	7.8	7.9	8.7	8.6
Libya	58.0	71.7	82.4	123.9	147.7	159.5	130.7	106.8	104.6	73.6	71.5	93.5	99.6	95.6	101.1	88.3	59.1	55.4	54.3	48.2	48.4
Nigeria	13.5	20.6	15.7	7.0	26.6	53.4	75.4	89.7	101.2	111.1	87.8	102.1	102.7	93.4	113.4	101.7	70.9	63.4	60.9	68.6	73.8
South Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Tunisia	n/a	0.8	2.2	3.2	3.7	4.2	4.1	4.0	3.9	4.1	4.6	3.7	4.3	4.9	5.5	5.6	5.4	5.1	5.5	5.5	5.4
Other Africa	0.1	0.1	0.1	0.1	0.1	^	^	^	^	^	^	1.3	1.2	1.6	2.8	3.9	6.0	7.5	8.2	10.4	12.2
Total Africa	**106.2**	**135.2**	**148.7**	**190.6**	**242.3**	**292.3**	**273.5**	**274.6**	**287.8**	**265.3**	**243.4**	**290.4**	**304.5**	**297.2**	**326.8**	**300.3**	**238.4**	**229.2**	**232.4**	**248.1**	**258.0**
Australia	0.3	0.4	1.0	1.9	2.2	8.7	15.3	16.3	20.4	20.2	21.6	22.1	23.4	23.2	23.3	21.8	21.3	21.0	20.4	26.5	30.7
Brunei	4.0	4.8	5.2	6.1	6.2	6.7	6.4	9.1	11.4	9.7	9.2	10.6	11.1	11.7	12.7	11.7	8.5	8.7	8.7	8.4	8.2
China	11.3	14.6	13.9	16.0	21.7	30.7	39.4	45.7	53.6	64.9	77.1	87.2	93.6	104.1	106.2	106.0	101.2	102.1	106.1	114.6	124.9
India	3.0	4.6	5.7	5.9	6.7	6.8	7.2	7.4	7.2	7.5	8.3	8.7	10.2	11.3	12.8	9.4	15.0	19.9	25.4	28.2	30.2
Indonesia	24.5	23.9	25.7	30.3	32.4	43.1	45.0	54.7	67.5	69.4	65.9	76.1	84.9	82.1	79.5	79.0	80.0	66.6	70.7	74.9	66.3
Malaysia	^	^	^	0.2	0.4	0.9	3.3	4.5	4.3	3.9	4.7	8.0	8.7	10.3	13.5	13.2	12.4	14.5	18.4	21.4	21.3
Thailand	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.1	0.2	0.6	1.1	2.0
Vietnam	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other Asia Pacific	1.7	1.6	1.5	1.7	1.7	1.9	2.0	2.1	2.2	2.3	2.3	3.0	3.4	3.4	4.4	3.7	3.7	4.0	4.3	4.9	5.8
Total Asia Pacific	**44.9**	**50.0**	**53.0**	**62.0**	**71.4**	**98.8**	**118.6**	**139.7**	**166.8**	**177.8**	**189.0**	**215.7**	**235.5**	**246.1**	**252.4**	**244.9**	**242.0**	**237.0**	**254.5**	**279.9**	**289.4**
Total World	**1567.6**	**1702.2**	**1826.2**	**1992.3**	**2144.5**	**2358.9**	**2493.6**	**2635.4**	**2875.8**	**2882.2**	**2737.6**	**2974.3**	**3078.1**	**3106.1**	**3237.6**	**3091.1**	**2913.0**	**2797.8**	**2762.0**	**2816.2**	**2791.5**
of which: OECD	515.6	547.1	584.2	610.1	625.3	662.3	665.5	681.7	686.8	664.2	647.0	648.5	690.4	742.5	786.6	820.2	840.0	881.2	903.7	945.7	958.7
Non-OECD	1052.0	1155.1	1241.9	1382.2	1519.2	1696.6	1828.1	1953.8	2188.9	2217.9	2090.5	2325.7	2387.8	2363.6	2450.9	2270.9	2073.0	1916.6	1858.3	1870.5	1832.8
OPEC	688.2	756.6	806.2	899.2	995.5	1119.8	1211.3	1294.0	1474.8	1465.1	1290.2	1461.4	1477.0	1406.7	1469.6	1275.0	1069.6	913.1	825.4	802.9	765.7
Non-OPEC	879.4	945.6	1020.0	1093.1	1148.9	1239.1	1282.3	1341.4	1400.9	1417.1	1447.3	1512.9	1601.2	1699.5	1767.9	1816.1	1843.4	1884.7	1936.6	2013.3	2025.8
European Union #	34.6	34.5	34.8	34.8	34.4	34.1	33.2	32.8	32.9	33.4	34.5	44.8	70.2	85.1	107.8	109.8	118.9	135.1	149.7	161.1	163.8

Million tonnes	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Canada	85.7	90.3	95.1	92.6	92.8	93.2	97.2	102.3	106.7	111.9	115.5	120.7	125.1	121.0	132.5	133.0	139.3	146.9	151.3	148.7
Mexico	136.9	143.0	142.7	143.1	145.2	152.8	153.0	153.3	154.2	150.2	162.4	169.6	173.5	165.5	170.3	175.9	177.8	188.2	190.0	186.5
US	482.3	467.3	459.1	429.0	416.6	422.9	413.0	397.0	387.5	383.6	382.1	380.0	368.1	352.6	347.6	344.5	341.9	332.6	325.4	309.0
Total North America	**704.9**	**700.6**	**696.8**	**664.7**	**654.5**	**668.9**	**663.2**	**652.6**	**648.4**	**645.7**	**659.9**	**670.3**	**666.7**	**639.1**	**650.4**	**653.4**	**659.0**	**667.7**	**666.7**	**644.2**
Argentina	22.9	22.6	23.7	24.2	25.4	25.9	29.0	31.1	34.5	37.5	40.8	43.4	44.0	41.7	41.3	43.9	43.3	43.1	41.0	39.4
Brazil	31.0	30.8	30.1	32.2	34.1	33.7	34.2	34.9	36.2	37.5	42.5	45.6	52.7	59.5	67.1	70.2	78.6	81.5	80.9	89.0
Colombia	16.1	20.4	20.0	21.4	23.4	22.6	23.3	24.0	24.1	31.0	33.4	34.8	40.4	43.7	36.3	31.8	30.4	28.5	27.9	27.7
Ecuador	15.9	9.4	16.5	15.2	15.5	16.3	17.5	18.7	20.6	21.0	20.9	21.1	20.4	20.3	21.6	21.9	21.1	22.5	28.3	28.6
Peru	9.3	8.6	7.4	6.8	6.8	6.0	6.1	6.6	6.7	6.4	6.3	6.2	6.0	5.5	5.2	5.0	4.9	4.7	4.7	5.3
Trinidad & Tobago	8.3	7.6	7.4	7.3	7.4	7.2	6.9	6.5	6.8	6.7	6.7	6.4	6.4	6.6	6.6	6.3	7.3	7.7	7.1	8.1
Venezuela	98.9	100.3	105.2	105.7	117.8	131.3	131.6	136.1	144.5	155.3	165.2	171.5	177.8	159.1	160.3	163.0	152.7	147.5	170.2	169.4
Other S. & Cent. America	4.2	4.0	3.6	3.5	3.6	3.6	3.6	3.9	4.3	4.6	5.0	5.3	6.2	6.2	6.5	6.9	7.8	7.8	7.4	7.3
Total S. & Cent. America	**206.5**	**203.6**	**214.0**	**216.4**	**234.0**	**246.7**	**252.2**	**261.9**	**277.7**	**300.1**	**320.8**	**334.4**	**353.9**	**342.6**	**344.8**	**349.1**	**346.0**	**343.2**	**367.5**	**374.7**
Denmark	3.6	4.5	4.7	5.5	5.9	6.9	7.7	8.2	9.0	9.1	10.2	11.2	11.6	14.6	17.7	17.0	18.1	17.9	19.1	18.5
Italy	2.6	3.9	4.8	4.6	4.7	4.3	4.5	4.6	4.9	5.2	5.5	5.9	5.6	5.0	4.6	4.1	5.5	5.6	5.5	6.1
Norway	43.0	50.1	57.0	74.9	82.1	93.8	106.9	114.1	128.6	138.4	154.7	156.2	149.6	149.7	159.9	161.5	157.1	153.2	150.0	138.2
Romania	10.7	10.0	9.8	9.6	8.1	7.0	6.8	6.9	7.0	7.0	6.9	6.8	6.6	6.4	6.3	6.2	6.1	5.9	5.7	5.4
United Kingdom	127.1	123.4	114.5	91.7	91.6	91.3	94.3	100.2	126.5	129.9	129.7	127.9	132.6	137.1	126.2	116.7	115.9	106.1	95.4	84.7
Other Europe	34.2	33.2	32.2	31.1	30.7	30.9	29.2	26.9	27.1	25.6	24.3	23.1	22.3	20.8	20.6	20.5	21.3	21.5	21.1	20.0
Total Europe	**221.1**	**225.1**	**223.0**	**217.4**	**223.1**	**234.3**	**249.4**	**261.0**	**303.1**	**315.2**	**331.2**	**331.1**	**328.3**	**333.5**	**335.4**	**326.1**	**324.0**	**310.1**	**296.7**	**273.0**
Azerbaijan	13.1	13.9	13.7	13.2	12.5	11.8	11.2	10.3	9.6	9.2	9.1	9.0	11.4	13.9	14.1	15.0	15.3	15.4	15.5	22.2
Kazakhstan	23.3	24.1	25.0	25.4	25.8	26.6	25.8	23.0	20.3	20.6	23.0	25.8	25.9	30.1	35.3	40.1	47.3	51.4	59.5	61.5
Russian Federation	561.2	569.5	568.8	552.2	515.9	461.9	398.8	354.9	317.6	310.7	302.9	307.4	304.3	304.8	326.7	351.7	383.7	425.7	463.3	474.8
Turkmenistan	6.6	6.5	5.7	5.8	5.7	5.4	5.2	4.4	4.2	4.1	4.4	5.4	6.4	7.1	7.3	7.7	8.2	8.7	9.2	9.7
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	2.5	2.7	2.4	2.7	2.8	2.8	3.3	4.0	5.5	7.6	7.6	7.9	8.2	8.1	7.5	7.2	7.2	7.1	6.6	5.4
Other CIS	2.6	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Total CIS	**609.2**	**619.1**	**618.1**	**601.7**	**565.0**	**510.8**	**446.5**	**398.7**	**359.3**	**354.3**	**348.9**	**357.4**	**358.2**	**365.8**	**392.8**	**423.6**	**463.6**	**510.3**	**555.9**	**575.6**
Iran	102.7	116.7	117.4	143.8	162.8	174.4	175.7	184.3	185.0	185.5	186.6	187.0	190.8	178.1	191.7	189.8	179.1	202.1	208.8	207.9
Iraq	93.2	117.3	136.7	139.0	105.3	13.9	26.1	22.3	24.8	26.0	28.6	57.1	104.2	128.3	128.8	123.9	103.9	66.0	99.9	89.9
Kuwait	59.4	52.1	63.0	68.4	46.8	9.2	54.0	96.6	103.4	104.9	105.1	105.1	110.0	102.6	109.9	106.5	98.8	115.6	123.3	130.4
Oman	27.9	29.0	30.9	32.1	34.2	35.3	37.0	38.8	40.5	42.8	44.4	44.9	44.7	44.7	47.0	46.9	44.0	40.2	38.4	38.0
Qatar	17.3	15.3	17.6	19.7	21.1	20.4	23.6	21.8	21.3	21.8	27.1	33.3	33.6	34.3	40.2	40.0	37.3	43.8	49.9	52.6
Saudi Arabia	252.6	213.6	273.3	271.2	342.6	428.3	442.1	429.3	432.2	431.3	437.4	432.0	445.3	408.5	438.5	427.7	390.1	460.5	492.8	516.6
Syria	10.0	11.5	13.4	16.9	20.2	23.5	25.6	28.1	28.0	29.6	29.2	28.7	28.6	28.8	28.1	29.9	32.7	31.6	23.5	21.7
United Arab Emirates	64.6	68.2	72.0	85.1	93.2	106.9	117.7	114.4	115.3	114.4	116.9	117.3	121.5	112.0	121.5	118.4	109.0	126.2	131.3	136.6
Yemen	0.5	1.2	8.2	8.5	8.7	9.4	8.7	9.9	16.4	16.7	16.9	17.7	18.0	19.2	20.9	21.4	21.6	21.2	20.0	19.8
Other Middle East	2.4	2.4	2.5	2.5	2.4	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.3	2.2	2.3	2.2	2.3	2.3	2.3	9.1
Total Middle East	**630.5**	**627.3**	**735.1**	**787.1**	**837.4**	**823.8**	**913.0**	**948.0**	**969.2**	**975.4**	**994.6**	**1025.4**	**1098.9**	**1058.6**	**1128.9**	**1106.8**	**1018.7**	**1109.5**	**1190.2**	**1222.5**
Algeria	48.5	50.2	52.6	54.5	58.4	58.7	56.5	56.3	56.1	55.8	59.0	61.6	61.4	58.5	66.8	65.8	70.9	79.0	83.6	86.4
Angola	13.9	17.5	22.3	22.6	23.4	24.5	27.2	24.8	27.4	31.2	35.4	36.5	36.0	36.7	36.9	36.6	44.6	42.8	54.6	62.4
Chad	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	n/a	n/a	n/a	1.2	8.8	9.1
Republic of Congo	6.0	6.3	7.0	8.0	8.0	8.1	8.6	9.5	9.6	9.3	10.4	11.6	13.6	13.7	13.5	12.5	12.0	11.0	11.5	12.6
Egypt	41.1	46.2	44.2	44.5	45.5	45.4	46.0	47.5	46.5	46.6	45.1	43.8	43.0	41.4	38.9	37.6	37.2	37.1	34.8	33.2
Equatorial Guinea	n/a	n/a	n/a	n/a	n/a	n/a	0.1	0.2	0.2	0.3	0.8	3.0	4.1	5.0	5.7	9.4	11.1	12.7	16.6	17.5
Gabon	8.3	7.7	8.9	10.2	13.5	14.7	14.5	15.2	16.8	17.8	18.3	18.2	16.8	17.0	13.8	13.1	12.8	13.7	13.7	13.5
Libya	50.2	47.3	49.7	54.9	67.2	67.9	69.7	66.1	67.5	67.9	68.6	70.1	69.6	67.0	69.5	67.1	64.6	69.8	76.5	82.0
Nigeria	72.2	66.4	68.3	87.0	87.5	96.1	99.7	98.4	94.3	95.1	96.4	96.5	98.9	92.3	106.5	105.3	95.0	112.2	121.7	121.1
South Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	n/a	n/a	n/a	n/a	n/a	n/a
Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.1	0.1	0.1	0.2	0.4	0.6	3.1	8.8	10.3	11.6	12.9	14.4	14.5
Tunisia	5.3	5.0	4.9	5.0	4.7	5.4	5.5	4.9	4.6	4.4	4.4	4.2	4.1	4.2	3.9	3.5	3.7	3.4	3.5	3.6
Other Africa	11.8	11.1	10.7	9.9	9.6	8.9	8.3	8.3	7.8	7.8	8.6	9.4	8.3	7.5	7.3	6.8	6.8	7.0	8.6	8.8
Total Africa	**257.2**	**257.8**	**268.7**	**296.6**	**317.8**	**329.7**	**336.0**	**331.6**	**330.9**	**336.3**	**347.2**	**355.2**	**356.4**	**346.4**	**371.6**	**367.9**	**370.4**	**402.8**	**448.2**	**464.7**
Australia	27.4	29.1	27.7	26.1	30.3	28.6	28.2	26.3	28.3	26.7	28.1	29.8	28.2	27.5	37.1	34.3	34.1	29.5	25.8	25.3
Brunei	8.1	7.6	7.3	7.3	7.4	8.0	8.9	8.5	8.7	8.5	8.1	8.0	7.7	8.9	9.5	10.0	10.3	10.5	10.3	10.1
China	130.7	134.1	137.1	137.6	138.3	141.0	142.0	144.0	146.1	149.0	158.5	160.1	160.2	160.2	162.6	164.8	166.9	169.6	174.1	181.4
India	31.6	30.7	32.3	34.4	34.2	32.2	29.2	27.9	32.4	36.6	34.8	35.6	34.7	34.6	34.2	34.2	35.2	35.4	36.3	34.9
Indonesia	70.4	69.8	67.3	71.6	74.4	81.0	76.7	76.9	76.9	76.5	76.7	75.7	74.2	68.6	71.8	68.2	63.3	57.6	55.6	53.7
Malaysia	23.9	23.6	25.7	28.0	29.5	30.8	31.3	30.6	31.1	33.3	33.8	33.5	34.0	32.4	33.6	32.6	34.2	35.4	36.3	34.2
Thailand	2.0	1.8	2.1	2.0	2.4	2.8	3.3	3.4	3.4	3.3	3.8	4.3	4.5	4.9	7.1	7.8	8.5	10.0	9.8	11.9
Vietnam	n/a	0.3	0.7	1.5	2.7	4.0	5.5	6.3	7.1	7.6	8.8	10.1	12.5	15.2	16.5	17.1	17.2	18.1	20.4	18.9
Other Asia Pacific	5.9	5.6	5.8	6.2	6.7	6.9	9.6	12.9	12.1	10.7	11.4	10.5	10.1	10.2	9.2	9.0	9.2	9.0	10.6	12.5
Total Asia Pacific	**299.9**	**302.7**	**305.9**	**314.8**	**326.0**	**335.2**	**334.7**	**336.8**	**346.1**	**352.3**	**364.0**	**367.6**	**366.0**	**362.5**	**381.6**	**377.9**	**379.0**	**375.1**	**379.1**	**382.9**
Total World	**2929.4**	**2936.2**	**3061.7**	**3098.7**	**3157.9**	**3149.4**	**3195.0**	**3190.5**	**3234.7**	**3279.1**	**3366.4**	**3441.5**	**3528.5**	**3448.5**	**3605.5**	**3604.8**	**3560.8**	**3718.6**	**3904.4**	**3937.7**
of which: OECD	935.2	937.4	930.9	892.0	893.7	919.2	928.7	928.6	968.7	976.1	1008.2	1021.1	1013.2	990.4	1013.2	1004.3	1007.7	997.4	979.0	932.6
Non-OECD	1994.2	1998.8	2130.8	2206.6	2264.2	2230.2	2266.3	2261.9	2266.0	2303.0	2358.2	2420.3	2515.3	2458.1	2592.3	2600.5	2553.1	2721.2	2925.3	3005.1
OPEC	886.4	873.0	993.0	1065.5	1142.0	1150.3	1240.8	1272.4	1297.6	1315.7	1349.6	1388.6	1470.5	1399.1	1485.0	1460.9	1365.6	1481.6	1632.6	1674.9
Non-OPEC	2043.0	2063.2	2068.7	2033.1	2015.9	1999.1	1954.2	1918.0	1937.0	1963.4	2016.8	2052.9	2058.0	2049.4	2120.5	2143.9	2195.2	2237.0	2271.7	2262.8
European Union #	164.1	161.3	153.0	129.4	129.7	128.6	131.2	136.9	165.0	167.6	167.2	165.8	170.2	175.9	167.7	157.0	159.5	149.4	138.8	126.9

Contents

Million tonnes	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	157.2	161.5	158.8	158.4	165.7	175.1	187.8	200.6	215.8	223.6	226.7	245.8	268.3	**274.9**	2.5%	5.4%	6.1%
Mexico	182.5	172.2	156.9	146.7	145.6	144.5	143.9	141.8	137.1	127.5	121.4	109.5	102.3	**94.9**	-7.2%	-4.2%	2.1%
US	304.5	305.0	302.2	322.6	333.1	346.0	395.0	448.5	524.4	567.0	542.4	573.9	671.6	**746.7**	11.2%	8.3%	16.7%
Total North America	**644.2**	**638.7**	**617.9**	**627.7**	**644.5**	**665.7**	**726.7**	**790.9**	**877.3**	**918.2**	**890.5**	**929.2**	**1042.2**	**1116.5**	**7.1%**	**5.4%**	**24.9%**
Argentina	39.4	38.2	37.8	34.0	33.3	31.2	30.8	30.2	29.8	30.0	28.6	27.2	27.5	**28.8**	4.7%	-3.1%	0.6%
Brazil	94.0	95.0	98.8	105.7	111.3	113.8	111.9	109.7	122.5	132.2	136.2	142.3	140.2	**150.8**	7.5%	3.6%	3.4%
Colombia	27.8	28.0	31.0	35.3	41.4	48.2	49.9	53.2	52.2	53.0	46.8	45.0	45.6	**46.7**	2.4%	3.9%	1.0%
Ecuador	28.8	27.5	27.2	26.1	26.1	26.8	27.1	28.2	29.8	29.1	29.5	28.5	27.7	**28.5**	2.7%	0.2%	0.6%
Peru	5.5	5.5	5.7	6.9	7.3	7.0	6.9	7.3	7.5	6.5	5.8	5.7	6.4	**6.1**	-5.3%	1.2%	0.1%
Trinidad & Tobago	8.2	7.2	6.9	6.8	6.2	5.9	5.2	5.1	5.1	4.8	4.3	4.4	3.9	**3.7**	-6.2%	-5.5%	0.1%
Venezuela	171.1	165.7	165.8	155.9	145.8	141.5	139.3	137.8	138.5	135.4	121.0	107.6	75.6	**46.6**	-38.3%	-7.6%	1.0%
Other S. & Cent. America	7.1	7.4	7.3	6.9	7.3	7.3	7.4	7.6	7.8	7.3	6.8	6.7	6.4	**5.9**	-6.9%	-1.3%	0.1%
Total S. & Cent. America	**381.9**	**374.5**	**380.5**	**377.6**	**378.7**	**381.7**	**378.6**	**379.1**	**393.1**	**398.4**	**379.1**	**367.4**	**333.4**	**317.0**	**-4.9%**	**-1.3%**	**7.1%**
Denmark	16.8	15.2	14.0	12.9	12.2	10.9	10.0	8.7	8.1	7.7	6.9	6.7	5.6	**5.0**	-11.2%	-8.7%	0.1%
Italy	5.8	5.9	5.2	4.6	5.1	5.3	5.4	5.5	5.8	5.5	3.8	4.1	4.7	**4.3**	-8.7%	-1.1%	0.1%
Norway	128.6	118.2	114.2	108.2	98.4	93.2	86.9	82.8	84.8	87.5	90.1	88.7	83.1	**78.4**	-5.7%	-3.1%	1.7%
Romania	5.0	4.7	4.7	4.5	4.3	4.2	4.0	4.1	4.1	4.0	3.8	3.6	3.6	**3.6**	-0.3%	-2.7%	0.1%
United Kingdom	76.6	76.6	71.8	68.2	63.0	52.0	44.6	40.6	39.9	45.3	47.4	46.6	50.9	**51.8**	1.8%	-3.4%	1.2%
Other Europe	19.6	19.6	18.6	17.6	16.9	16.7	16.7	17.1	16.9	16.5	15.6	15.0	15.2	**14.8**	-3.0%	-2.0%	0.3%
Total Europe	**252.4**	**240.1**	**228.6**	**215.9**	**199.8**	**182.3**	**167.5**	**158.8**	**159.6**	**166.4**	**167.7**	**164.9**	**163.2**	**157.8**	-3.3%	-3.3%	3.5%
Azerbaijan	32.3	43.4	45.3	50.9	51.3	46.1	43.7	43.8	42.5	42.0	41.4	39.1	39.2	**38.1**	-2.7%	-1.4%	0.9%
Kazakhstan	65.1	67.2	70.7	76.5	79.7	80.1	79.3	82.3	81.1	80.2	78.6	87.0	91.2	**91.4**	0.2%	2.6%	2.0%
Russian Federation	486.3	497.3	494.3	501.4	512.3	519.5	526.7	532.2	535.1	541.8	555.9	554.3	563.3	**568.1**	0.8%	1.3%	12.7%
Turkmenistan	10.0	10.3	10.6	10.9	11.1	11.5	12.0	12.5	12.9	13.2	13.2	13.1	12.6	**12.5**	-0.5%	1.7%	0.3%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	5.4	4.9	4.8	4.5	3.6	3.6	3.2	2.9	2.8	2.7	2.6	2.8	2.9	**2.8**	-3.3%	-4.9%	0.1%
Other CIS	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	**1.9**	2.9%	0.3%	♦
Total CIS	**600.9**	**624.9**	**627.5**	**645.9**	**659.9**	**662.5**	**666.7**	**675.5**	**676.1**	**681.7**	**693.6**	**698.1**	**711.1**	**714.9**	**0.5%**	**1.3%**	**15.9%**
Iran	210.6	213.3	215.4	207.2	212.0	212.5	180.5	169.7	174.0	180.2	216.1	235.5	224.7	**160.8**	-28.4%	0.4%	3.6%
Iraq	98.0	105.1	119.3	119.7	120.8	135.8	151.3	152.0	158.8	195.6	217.6	222.4	227.0	**234.2**	3.2%	6.6%	5.2%
Kuwait	133.8	130.0	136.2	121.0	123.4	140.9	154.0	151.4	150.2	148.2	152.7	145.0	146.8	**144.0**	-1.9%	0.8%	3.2%
Oman	36.2	34.8	37.1	39.7	42.2	43.2	45.0	46.1	46.2	48.0	49.3	47.6	47.8	**47.3**	-1.0%	2.6%	1.1%
Qatar	56.7	57.5	64.5	62.4	70.9	77.7	82.2	84.2	83.5	81.2	81.6	79.1	79.5	**78.5**	-1.2%	2.1%	1.8%
Saudi Arabia	508.9	488.9	510.0	459.0	463.3	522.7	549.2	538.4	543.8	568.0	586.7	559.3	576.8	**556.6**	-3.5%	1.2%	12.4%
Syria	20.3	19.5	19.6	19.3	18.5	16.9	8.1	2.7	1.5	1.2	1.1	1.1	1.1	**1.0**	-2.5%	-25.4%	♦
United Arab Emirates	145.7	143.6	145.2	129.3	135.2	150.5	156.2	162.8	163.4	176.1	182.4	176.2	176.7	**180.2**	2.0%	2.0%	4.0%
Yemen	18.1	15.9	14.8	14.4	14.3	10.2	8.1	9.0	6.9	2.6	1.6	3.0	3.5	**4.2**	20.5%	-13.4%	0.1%
Other Middle East	8.9	9.5	9.5	9.4	9.4	9.9	9.0	10.3	10.5	10.5	10.6	10.3	10.2	**10.4**	2.7%	0.7%	0.2%
Total Middle East	**1237.3**	**1218.2**	**1271.7**	**1181.5**	**1210.1**	**1320.4**	**1343.7**	**1326.6**	**1338.9**	**1411.8**	**1499.8**	**1479.3**	**1494.1**	**1417.4**	**-5.1%**	**1.6%**	**31.6%**
Algeria	86.2	86.5	84.8	77.2	73.8	71.7	67.2	64.8	68.8	67.2	68.4	66.6	65.3	**64.3**	-1.6%	-2.6%	1.4%
Angola	68.7	81.2	92.3	86.0	88.9	82.0	85.3	85.2	83.3	88.2	85.8	81.6	74.1	**69.1**	-6.8%	-2.2%	1.5%
Chad	8.0	7.5	6.7	6.2	6.4	6.0	5.3	4.8	4.7	5.8	6.1	5.2	6.1	**6.7**	9.8%	-1.0%	0.1%
Republic of Congo	14.2	11.5	12.2	14.1	16.0	15.3	14.2	12.3	12.9	11.9	11.9	13.8	16.9	**17.4**	2.6%	3.3%	0.4%
Egypt	33.2	33.8	34.7	35.3	35.0	34.6	34.7	34.4	35.1	35.4	33.8	32.2	34.2	**33.6**	-1.9%	-0.1%	0.7%
Equatorial Guinea	17.2	17.7	17.6	15.6	14.5	14.2	15.2	13.2	13.3	12.1	10.4	9.0	8.7	**8.2**	-5.8%	-6.8%	0.2%
Gabon	12.1	12.3	12.0	12.0	11.6	11.8	11.1	10.7	10.5	10.7	11.0	10.5	9.7	**10.9**	12.7%	-2.1%	0.2%
Libya	88.0	89.6	88.2	81.7	84.6	24.3	72.6	49.4	24.4	20.5	19.3	43.8	54.9	**57.8**	5.2%	-4.6%	1.3%
Nigeria	115.5	107.2	105.8	106.9	122.1	118.4	116.4	109.5	109.3	105.7	91.3	94.5	96.4	**101.4**	5.3%	-0.9%	2.3%
South Sudan	n/a	n/a	n/a	n/a	n/a	n/a	1.5	4.9	7.7	7.3	5.8	6.0	6.3	**6.8**	8.7%	n/a	0.2%
Sudan	17.5	23.8	22.6	23.4	22.8	14.3	5.1	5.8	5.9	5.4	5.1	4.7	4.9	**5.0**	2.2%	-14.1%	0.1%
Tunisia	3.5	4.9	4.5	4.2	3.9	3.6	3.8	3.5	3.3	2.9	2.8	2.2	2.3	**2.3**	-	-6.4%	0.1%
Other Africa	11.4	9.6	9.2	9.1	7.4	9.8	9.8	11.2	11.6	13.5	12.7	14.8	14.8	**15.6**	5.8%	4.8%	0.3%
Total Africa	**475.6**	**485.5**	**490.4**	**471.8**	**487.0**	**406.0**	**442.2**	**409.5**	**390.6**	**386.7**	**364.5**	**384.8**	**394.5**	**399.1**	**1.1%**	**-2.2%**	**8.9%**
Australia	23.5	24.5	24.1	22.4	24.5	21.5	21.4	17.8	19.1	17.0	15.6	14.9	15.2	**20.6**	36.0%	-4.5%	0.5%
Brunei	10.8	9.5	8.6	8.2	8.4	8.1	7.8	6.6	6.2	6.2	5.9	5.5	5.4	**5.9**	9.0%	-4.5%	0.1%
China	184.8	186.3	190.4	189.5	203.0	202.9	207.5	210.0	211.4	214.6	199.7	191.5	189.1	**191.0**	1.0%	-0.1%	4.3%
India	36.0	36.4	37.8	38.0	41.3	42.9	42.5	42.5	41.6	41.2	40.2	40.4	39.5	**37.5**	-5.2%	0.5%	0.8%
Indonesia	50.2	47.8	49.4	48.4	48.6	46.3	44.6	42.7	41.0	40.6	42.8	41.0	39.5	**38.2**	-3.4%	-2.2%	0.9%
Malaysia	32.2	33.3	33.6	31.8	33.1	29.7	30.1	28.7	29.8	32.2	33.3	32.9	32.4	**29.8**	-7.8%	-0.4%	0.7%
Thailand	13.0	13.7	14.5	15.0	15.2	15.8	17.3	17.1	16.9	17.6	18.1	17.6	17.1	**17.0**	-0.2%	1.7%	0.4%
Vietnam	17.1	16.2	15.2	16.6	15.3	15.4	17.0	16.9	15.9	17.2	15.5	13.9	12.4	**11.4**	-7.8%	-2.0%	0.3%
Other Asia Pacific	13.3	14.1	15.0	14.5	14.0	13.2	12.8	12.1	13.3	13.4	12.6	12.2	10.5	**10.3**	-1.6%	-3.5%	0.2%
Total Asia Pacific	**380.9**	**381.9**	**388.6**	**384.4**	**403.4**	**395.8**	**400.9**	**394.4**	**395.1**	**399.8**	**383.7**	**369.8**	**361.0**	**361.8**	**0.2%**	**-0.7%**	**8.1%**
Total World	**3973.2**	**3963.8**	**4005.2**	**3904.8**	**3983.4**	**4014.4**	**4126.3**	**4134.9**	**4230.8**	**4362.9**	**4378.9**	**4393.5**	**4499.5**	**4484.5**	**-0.3%**	**1.2%**	**100.0%**
of which: OECD	910.3	895.0	863.2	859.1	862.3	862.7	908.6	960.2	1049.2	1095.0	1067.4	1102.9	1213.9	**1288.3**	6.1%	3.5%	28.7%
Non-OECD	3062.9	3068.8	3142.0	3045.7	3121.0	3151.7	3217.6	3174.7	3181.5	3267.9	3311.4	3290.6	3285.6	**3196.2**	-2.7%	0.4%	71.3%
OPEC	1698.8	1680.1	1732.0	1611.9	1638.2	1668.5	1739.7	1685.4	1681.1	1749.0	1804.3	1794.2	1781.4	**1680.0**	-5.7%	0.3%	37.5%
Non-OPEC	2274.4	2283.7	2273.2	2292.8	2345.2	2345.9	2386.6	2449.5	2549.7	2613.9	2574.6	2599.3	2718.1	**2804.5**	3.2%	1.8%	62.5%
European Union #	115.7	113.8	106.4	99.9	93.4	81.2	72.5	68.0	66.9	71.4	70.5	69.3	72.8	**72.0**	-1.1%	-3.7%	1.6%

Source: includes data from FGE.

* Includes crude oil, shale oil, oil sands, condensates (lease condensate or gas condensates that require further refining) and NGLs (natural gas liquids - ethane, LPG and naphtha separated from the production of natural gas).
Excludes liquid fuels from other sources such as biofuels and synthetic derivatives of coal and natural gas. This also excludes liquid fuel adjustment factors such as refinery processing gain. Excludes oil shales/kerogen extracted in solid form.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not applicable.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and shares of total are calculated using million tonnes figures.

Oil: Crude oil and condensate production in thousands of barrels per day*

Thousand barrels daily	2000	2001	2002	2003	2004	2005	2006	2007	2008
Canada	2196	2222	2360	2495	2563	2520	2655	2750	2716
Mexico	3012	3127	3177	3371	3383	3333	3256	3076	2792
US	5822	5801	5744	5649	5441	5184	5086	5074	5000
Total North America	**11029**	**11151**	**11281**	**11516**	**11387**	**11037**	**10997**	**10899**	**10507**
Argentina	776	813	802	783	733	705	698	689	679
Brazil	1235	1297	1454	1499	1481	1634	1723	1748	1812
Colombia	687	604	578	541	528	526	527	531	588
Ecuador	400	407	392	418	526	532	536	511	505
Peru	95	93	93	87	85	93	96	95	98
Trinidad & Tobago	119	113	131	135	123	144	143	121	114
Venezuela	2936	2996	2796	2723	3144	3139	3163	3062	3064
Other S. & Cent. America	116	122	138	139	132	129	127	129	129
Total S. & Cent. America	**6365**	**6446**	**6383**	**6325**	**6752**	**6902**	**7013**	**6886**	**6988**
Denmark	363	348	371	368	390	380	346	311	287
Italy	95	86	115	116	113	127	120	122	108
Norway	3207	3215	3118	3030	2946	2690	2485	2264	2175
Romania	124	124	120	116	112	107	98	93	93
United Kingdom	2479	2290	2272	2074	1854	1650	1490	1498	1390
Other Europe	391	386	400	406	397	379	371	371	351
Total Europe	**6658**	**6448**	**6395**	**6110**	**5813**	**5333**	**4910**	**4660**	**4405**
Azerbaijan	281	300	307	308	309	445	646	856	895
Kazakhstan	740	841	993	1081	1248	1294	1368	1413	1483
Russian Federation	6473	6988	7623	8461	9191	9443	9656	9868	9784
Turkmenistan	144	153	162	172	180	190	195	200	205
Uzbekistan	159	153	153	151	138	115	114	104	102
Other CIS	39	39	39	38	38	38	37	37	37
Total CIS	**7835**	**8475**	**9277**	**10210**	**11104**	**11525**	**12016**	**12479**	**12506**
Iran	3769	3742	3534	3989	4110	4095	4127	4170	4173
Iraq	2598	2502	2096	1334	2012	1813	1974	2116	2394
Kuwait	2086	2025	1877	2196	2337	2485	2546	2471	2574
Oman	955	956	897	820	780	774	738	710	757
Qatar	781	778	729	841	957	1010	1091	1100	1211
Saudi Arabia	8095	7889	7093	8531	9122	9597	9465	9074	9453
Syria	545	579	624	602	442	413	386	369	371
United Arab Emirates	2334	2282	2072	2423	2517	2643	2828	2784	2819
Yemen	437	439	438	431	403	400	366	319	295
Other Middle East	38	37	38	38	38	174	172	184	183
Total Middle East	**21637**	**21228**	**19398**	**21205**	**22718**	**23405**	**23693**	**23298**	**24230**
Algeria	1289	1261	1356	1536	1628	1692	1697	1687	1643
Angola	746	742	905	870	1103	1265	1382	1634	1855
Chad	n/a	n/a	n/a	24	168	173	153	144	127
Republic of Congo	256	236	227	208	217	239	271	221	235
Egypt	744	720	716	713	667	634	623	638	651
Equatorial Guinea	109	180	214	241	303	305	343	352	349
Gabon	276	262	256	274	273	270	242	246	240
Libya	1415	1368	1315	1425	1565	1674	1810	1843	1808
Nigeria	2142	2120	1908	2255	2442	2431	2315	2136	2100
South Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sudan	179	209	236	262	291	294	356	483	457
Tunisia	77	71	73	67	70	72	69	96	87
Other Africa	145	136	136	140	173	177	227	191	184
Total Africa	**7378**	**7304**	**7342**	**8013**	**8899**	**9226**	**9487**	**9669**	**9735**
Australia	710	658	651	558	481	470	432	459	455
Brunei	178	188	195	200	194	192	205	179	161
China	3257	3310	3351	3406	3486	3642	3711	3742	3814
India	661	660	679	686	706	674	698	707	703
Indonesia	1414	1342	1249	1139	1094	1062	1006	954	977
Malaysia	681	666	698	738	762	704	667	683	688
Thailand	110	114	129	159	154	183	204	213	229
Vietnam	329	341	342	359	405	375	341	323	301
Other Asia Pacific	184	177	182	180	208	243	253	274	290
Total Asia Pacific	**7524**	**7456**	**7475**	**7425**	**7490**	**7545**	**7517**	**7535**	**7619**

Total World	68425	68508	67552	70803	74163	74971	75634	75426	75989
of which: OECD	18200	18060	18132	17982	17476	16640	16143	15852	15222
Non-OECD	50225	50448	49420	52822	56687	58331	59491	59575	60767
OPEC	28450	28012	26040	28422	31298	32181	32699	32306	33212
Non-OPEC	39975	40496	41512	42382	42864	42791	42935	43120	42778
European Union	3298	3084	3132	2930	2711	2486	2266	2238	2074

* Includes crude oil, shale/tight oil, oil sands, lease condensate or gas condensates that require further refining. Excludes liquid fuels fr

◆ Less than 0.05%.

n/a not available

Note: Annual changes and shares of total are calculated using thousand barrels daily figures.

Contents

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth ra 2019
2705	2849	3021	3250	3486	3758	3863	3868	4216	4596	**4688**	2.0%
2601	2577	2553	2548	2522	2429	2267	2154	1948	1833	**1701**	-7.2%
5357	5484	5667	6518	7493	8787	9439	8839	9352	10990	**12232**	11.3%
10663	**10910**	**11241**	**12317**	**13501**	**14973**	**15569**	**14861**	**15516**	**17420**	**18620**	**6.9%**
604	589	553	549	540	532	532	511	480	489	**509**	3.9%
1950	2055	2105	2061	2024	2255	2437	2510	2622	2587	**2788**	7.8%
671	786	915	944	1010	990	1006	886	854	865	**886**	2.4%
486	486	500	504	526	557	543	548	531	517	**531**	2.7%
117	123	117	112	118	121	104	91	88	98	**95**	-2.8%
107	98	92	82	81	81	79	71	72	63	**59**	-7.3%
2879	2695	2623	2580	2564	2578	2514	2242	1992	1386	**839**	-39.5%
121	125	126	131	135	140	133	122	118	113	**105**	-6.9%
6935	**6957**	**7031**	**6963**	**6998**	**7255**	**7347**	**6982**	**6757**	**6119**	**5811**	**-5.0%**
265	249	225	204	178	167	158	142	138	116	**103**	-11.2%
95	106	110	112	114	120	113	78	86	97	**89**	-8.7%
2058	1871	1758	1612	1532	1562	1608	1647	1620	1516	**1437**	-5.2%
90	86	84	79	83	82	80	76	73	72	**71**	-1.3%
1332	1234	1028	885	810	791	903	933	913	1002	**1019**	1.6%
331	319	316	317	327	324	317	297	284	289	**282**	-2.5%
4171	**3865**	**3521**	**3209**	**3046**	**3045**	**3180**	**3173**	**3114**	**3092**	**3000**	-3.0%
1014	1023	919	872	877	849	840	826	781	783	**762**	-2.8%
1609	1676	1684	1662	1720	1701	1672	1637	1813	1900	**1903**	0.1%
9927	10150	10287	10395	10528	10595	10758	11003	11017	11201	**11292**	0.8%
211	216	224	231	239	246	254	250	248	236	**228**	-3.5%
95	78	77	68	63	61	59	58	61	64	**62**	-3.2%
36	36	36	35	35	35	36	36	37	38	**39**	2.9%
12893	**13179**	**13226**	**13263**	**13463**	**13488**	**13619**	**13811**	**13957**	**14222**	**14284**	**0.4%**
4015	4068	4048	3398	3192	3273	3392	4090	4470	4260	**2980**	-30.0%
2405	2424	2728	3037	3058	3198	3945	4375	4473	4568	**4712**	3.2%
2278	2307	2645	2890	2847	2830	2782	2860	2704	2737	**2678**	-2.1%
813	865	885	918	942	943	981	1004	971	978	**971**	-0.8%
1151	1307	1399	1491	1520	1508	1463	1465	1432	1427	**1405**	-1.6%
8411	8423	9566	9987	9875	9941	10420	10688	10175	10533	**10145**	-3.7%
366	350	319	146	45	23	19	17	17	16	**16**	-3.2%
2495	2603	2853	2946	3084	3063	3284	3384	3279	3308	**3360**	1.6%
286	284	197	154	173	128	38	16	44	55	**70**	27.2%
182	182	191	173	199	204	203	204	199	196	**196**	♦
22402	**22813**	**24831**	**25140**	**24933**	**25113**	**26527**	**28104**	**27763**	**28078**	**26532**	**-5.5%**
1517	1461	1416	1320	1275	1329	1290	1316	1287	1259	**1239**	-1.6%
1734	1793	1656	1714	1716	1672	1780	1722	1632	1479	**1377**	-6.9%
118	122	114	101	91	89	111	117	98	116	**127**	9.8%
269	307	292	268	234	245	227	225	263	323	**332**	2.6%
665	663	649	649	643	667	662	631	603	644	**633**	-1.7%
310	286	280	299	261	266	242	204	174	169	**159**	-6.0%
241	233	236	221	213	211	214	221	210	193	**218**	12.7%
1687	1748	508	1499	1025	510	422	397	909	1144	**1200**	4.9%
2138	2455	2373	2330	2193	2188	2119	1822	1890	1922	**2021**	5.2%
n/a	n/a	n/a	31	100	155	148	117	122	128	**139**	8.7%
475	462	291	103	118	120	109	104	95	100	**102**	2.2%
82	79	70	70	64	59	54	51	43	42	**42**	-
181	149	198	196	225	234	273	255	300	299	**316**	5.7%
9418	**9759**	**8083**	**8802**	**8158**	**7745**	**7649**	**7180**	**7626**	**7818**	**7905**	**1.1%**
423	471	411	405	335	353	322	292	284	295	**400**	35.8%
155	159	153	146	122	114	115	109	101	100	**110**	10.1%
3805	4077	4074	4155	4216	4246	4309	3999	3846	3798	**3836**	1.0%
690	762	793	786	789	778	771	744	744	719	**677**	-5.9%
949	945	902	859	825	789	786	831	801	772	**745**	-3.5%
659	653	583	598	588	610	662	667	660	653	**604**	-7.4%
238	242	224	239	241	233	248	258	240	228	**228**	♦
332	304	308	339	337	315	342	308	275	243	**225**	-7.7%
281	270	256	246	237	261	265	250	241	208	**204**	-1.7%
7531	**7883**	**7705**	**7773**	**7690**	**7699**	**7820**	**7457**	**7192**	**7015**	**7029**	**0.2%**

74013	**75366**	**75638**	**77467**	**77789**	**79318**	**81711**	**81567**	**81926**	**83764**	**83182**	**-0.7%**
15119	15114	15035	15789	16730	18234	18937	18201	18793	20677	**21891**	5.9%
58894	60253	60602	61678	61059	61084	62773	63366	63133	63087	**61291**	-2.8%
30866	31290	31725	32993	32063	31861	33174	34093	33990	33798	**31790**	-5.9%
43147	44076	43912	44474	45726	47457	48537	47474	47936	49966	**51392**	2.9%
1960	1839	1609	1441	1356	1331	1426	1390	1364	1438	**1421**	-1.2%

Source: i

rom other sources such as biomass and synthetic derivatives of coal and natural gas.

Contents

ate per annum 2008-18	Share 2019
5.4%	5.6%
-4.1%	2.0%
8.2%	14.7%
5.2%	**22.4%**
-3.2%	0.6%
3.6%	3.4%
3.9%	1.1%
0.2%	0.6%
♦	0.1%
-5.7%	0.1%
-7.6%	1.0%
-1.3%	0.1%
-1.3%	**7.0%**
-8.7%	0.1%
-1.1%	0.1%
-3.5%	1.7%
-2.6%	0.1%
-3.2%	1.2%
-1.9%	0.3%
-3.5%	3.6%
-1.3%	0.9%
2.5%	2.3%
1.4%	13.6%
1.4%	0.3%
-4.5%	0.1%
0.3%	♦
1.3%	**17.2%**
0.2%	3.6%
6.7%	5.7%
0.6%	3.2%
2.6%	1.2%
1.7%	1.7%
1.1%	12.2%
-27.0%	♦
1.6%	4.0%
-15.4%	0.1%
0.7%	0.2%
1.5%	**31.9%**
-2.6%	1.5%
-2.2%	1.7%
-0.9%	0.2%
3.3%	0.4%
-0.1%	0.8%
-7.0%	0.2%
-2.1%	0.3%
-4.5%	1.4%
-0.9%	2.4%
n/a	0.2%
-14.1%	0.1%
-7.1%	0.1%
5.0%	0.4%
-2.2%	**9.5%**
-4.3%	0.5%
-4.7%	0.1%
♦	4.6%
0.2%	0.8%
-2.3%	0.9%
-0.5%	0.7%
♦	0.3%
-2.1%	0.3%
-3.3%	0.2%
-0.8%	**8.5%**

1.0%	100.0%
3.1%	26.3%
0.4%	73.7%
0.2%	38.2%
1.6%	61.8%
-3.6%	1.7%

includes data from FGE.

Oil: Natural gas liquids production in thousands of barrels per day*

Thousand barrels daily	2000	2001	2002	2003	2004	2005	2006	2007	2008
Canada	688	672	651	661	667	669	704	683	626
Mexico	444	441	416	424	447	432	434	403	374
US	1911	1868	1880	1719	1809	1717	1739	1783	1784
Total North America	**3043**	**2982**	**2947**	**2804**	**2923**	**2818**	**2876**	**2869**	**2783**
Argentina	73	108	106	130	140	137	151	125	123
Brazil	41	42	44	59	62	72	83	72	74
Colombia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ecuador	3	3	2	2	2	2	2	2	2
Peru	5	5	2	5	8	20	22	22	24
Trinidad & Tobago	19	21	24	29	29	27	31	34	35
Venezuela	175	178	179	146	162	163	177	175	165
Other S. & Cent. America	10	11	12	10	11	14	11	19	14
Total S. & Cent. America	**325**	**368**	**367**	**380**	**415**	**435**	**477**	**449**	**438**
Denmark	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Italy	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	119	181	196	214	226	264	279	278	283
Romania	8	7	8	8	8	7	7	6	6
United Kingdom	231	224	228	217	206	188	171	156	164
Other Europe	29	33	34	31	32	29	28	26	27
Total Europe	**386**	**445**	**466**	**471**	**472**	**489**	**486**	**467**	**479**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	20	21
Kazakhstan	n/a	n/a	n/a	n/a	^	^	2	2	2
Russian Federation	110	118	132	141	144	155	178	189	180
Turkmenistan	3	3	3	4	6	7	7	8	10
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	-	-	-	-	-	-	-	-	-
Total CIS	**112**	**120**	**135**	**146**	**150**	**162**	**187**	**218**	**214**
Iran	82	83	83	95	106	122	164	186	242
Iraq	15	20	20	10	18	20	25	27	34
Kuwait	158	159	150	175	183	184	194	196	217
Oman	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Qatar	70	78	73	106	121	138	147	163	222
Saudi Arabia	1027	1046	1113	1097	1184	1241	1206	1194	1211
Syria	28	34	53	50	45	35	35	35	35
United Arab Emirates	265	259	295	299	305	302	307	310	294
Yemen	n/a	14	19	20	21	21	21	22	21
Other Middle East	10	10	10	10	10	11	10	10	10
Total Middle East	**1655**	**1702**	**1815**	**1862**	**1993**	**2075**	**2107**	**2143**	**2285**
Algeria	260	273	297	291	292	298	283	305	308
Angola	n/a	n/a	n/a	n/a	4	4	20	22	22
Chad	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Republic of Congo	9	12	11	9	8	8	8	3	2
Egypt	35	39	36	37	35	38	56	61	65
Equatorial Guinea	9	14	16	25	48	75	21	22	21
Gabon	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Libya	60	60	60	60	57	70	62	66	67
Nigeria	32	37	43	44	45	51	56	70	72
South Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Sudan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Tunisia	5	6	6	6	5	7	7	8	8
Other Africa	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Africa	**411**	**441**	**470**	**472**	**493**	**552**	**512**	**557**	**564**
Australia	96	90	98	96	93	99	99	91	82
Brunei	15	15	15	14	17	14	16	15	14
China	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
India	65	70	75	75	72	81	79	78	115
Indonesia	42	45	41	36	35	34	12	17	29
Malaysia	43	38	43	23	15	38	30	43	39
Thailand	75	92	92	96	97	126	132	140	142
Vietnam	8	8	11	11	12	12	11	9	8
Other Asia Pacific	16	19	18	15	29	45	53	47	51
Total Asia Pacific	**360**	**377**	**393**	**367**	**370**	**449**	**432**	**440**	**481**

Total World	6293	6435	6593	6502	6817	6980	7078	7143	7245
of which: OECD	3523	3518	3510	3369	3483	3399	3455	3423	3338
Non-OECD	2770	2917	3083	3133	3334	3581	3623	3720	3906
OPEC	2096	2144	2269	2253	2414	2542	2523	2579	2656
Non-OPEC	4197	4291	4324	4248	4403	4438	4555	4564	4589
European Union	264	260	266	252	240	219	200	181	189

* Includes ethane, LPG and naphtha separated from the production of natural gas. Excludes condensates.
◆ Less than 0.05%.
n/a not available
Note: Annual changes and shares of total are calculated using thousand barrels daily figures.

Contents

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth ra 2019
626	608	615	610	642	661	709	787	821	904	**963**	6.5%
377	382	388	363	353	355	320	302	276	235	**217**	-7.5%
1910	2074	2216	2408	2606	3015	3342	3509	3783	4369	**4813**	10.2%
2913	**3064**	**3219**	**3381**	**3600**	**4031**	**4371**	**4599**	**4880**	**5509**	**5993**	**8.8%**
126	123	114	107	104	105	114	99	110	102	**112**	9.8%
69	70	68	70	72	87	88	81	99	92	**89**	-3.8%
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
2	2	1	1	1	-	-	-	-	-	**-**	n/a
38	42	42	45	54	54	49	50	49	56	**47**	-15.1%
44	47	44	35	34	33	30	25	27	24	**23**	-1.9%
159	147	132	124	116	114	117	105	104	88	**80**	-10.0%
15	19	19	16	17	14	13	12	15	14	**13**	-8.7%
453	**451**	**419**	**399**	**398**	**407**	**411**	**373**	**404**	**376**	**363**	**-3.3%**
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
285	261	275	300	300	318	332	343	345	329	**293**	-10.9%
4	4	5	4	3	3	3	4	3	3	**4**	39.6%
142	125	86	62	55	62	60	82	92	90	**99**	10.3%
25	23	20	19	17	15	14	16	19	19	**17**	-11.7%
456	**413**	**385**	**384**	**374**	**399**	**410**	**445**	**459**	**441**	**413**	-6.3%
12	13	13	10	11	12	11	11	11	12	**17**	37.8%
^	^	^	2	17	9	23	18	25	27	**28**	4.5%
225	228	247	260	278	265	249	266	238	237	**248**	4.4%
10	10	10	14	17	17	17	20	23	25	**36**	44.8%
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
-	-	-	-	-	-	-	-	-	-	**-**	n/a
248	**252**	**271**	**286**	**323**	**303**	**299**	**315**	**297**	**302**	**330**	**9.1%**
270	352	404	412	418	441	461	488	537	541	**555**	2.6%
41	45	45	42	45	40	41	48	64	64	**68**	5.3%
224	257	273	283	287	276	288	290	305	313	**318**	1.5%
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
264	323	426	437	471	466	470	473	450	473	**478**	1.1%
1298	1442	1513	1635	1518	1577	1578	1718	1717	1728	**1687**	-2.4%
35	35	34	25	14	10	8	8	8	8	**8**	-0.1%
300	334	447	479	482	539	614	654	631	604	**638**	5.6%
22	23	23	24	24	25	26	26	27	28	**28**	-
10	10	11	10	10	10	10	10	10	11	**19**	69.0%
2464	**2821**	**3175**	**3346**	**3269**	**3386**	**3494**	**3715**	**3749**	**3770**	**3797**	**0.7%**
258	228	225	216	210	260	268	261	254	252	**247**	-1.7%
20	19	14	20	22	30	16	23	39	40	**40**	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
7	7	9	12	9	8	7	7	7	7	**7**	-
65	61	65	66	67	47	64	60	57	55	**53**	-3.9%
22	20	21	20	21	19	17	19	21	21	**21**	♦
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
51	50	8	40	22	8	15	15	20	21	**27**	27.7%
73	78	88	82	86	88	82	78	80	85	**88**	4.0%
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
9	4	7	13	12	12	10	9	5	8	**8**	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1	**1**	54.0%
506	**468**	**437**	**468**	**449**	**471**	**480**	**473**	**483**	**490**	**493**	**0.6%**
84	77	71	73	72	83	62	69	64	61	**90**	47.7%
14	13	13	13	13	12	11	12	13	12	**12**	-2.2%
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a
148	140	144	140	136	128	122	130	141	150	**150**	-0.3%
45	58	50	58	58	58	52	45	37	36	**36**	-0.3%
29	79	76	65	39	39	35	59	58	54	**46**	-15.3%
147	152	205	232	225	231	233	231	247	249	**249**	-0.2%
8	8	8	8	10	10	9	10	9	13	**12**	-11.6%
51	48	46	45	38	36	33	31	32	25	**26**	1.4%
526	**574**	**613**	**634**	**591**	**595**	**557**	**586**	**600**	**602**	**621**	**3.0%**

7565	8043	8519	8899	9005	9592	10022	10505	10872	11490	12010	4.5%
3451	3557	3677	3841	4050	4514	4844	5109	5400	6006	**6490**	8.1%
4114	4486	4842	5058	4955	5077	5178	5396	5471	5484	**5520**	0.7%
2724	2982	3180	3365	3237	3401	3503	3706	3779	3765	**3776**	0.3%
4841	5061	5339	5534	5768	6191	6519	6799	7093	7725	**8235**	6.6%
163	144	104	78	69	75	73	95	106	102	**110**	8.0%

Source: Includ

Contents

ate per annum 2008-18	Share 2019
3.7%	8.0%
-4.5%	1.8%
9.4%	40.1%
7.1%	**49.9%**
-1.9%	0.9%
2.2%	0.7%
n/a	n/a
-100.0%	-
8.5%	0.4%
-3.7%	0.2%
-6.0%	0.7%
-0.3%	0.1%
-1.5%	**3.0%**
n/a	n/a
n/a	n/a
1.5%	2.4%
-6.4%	♦
-5.9%	0.8%
-3.6%	0.1%
-0.8%	3.4%
-5.3%	0.1%
31.4%	0.2%
2.8%	2.1%
9.3%	0.3%
n/a	n/a
n/a	-
3.5%	**2.7%**
8.4%	4.6%
6.6%	0.6%
3.7%	2.6%
n/a	n/a
7.9%	4.0%
3.6%	14.0%
-13.7%	0.1%
7.5%	5.3%
2.7%	0.2%
1.2%	0.2%
5.1%	**31.6%**
-2.0%	2.1%
6.4%	0.3%
n/a	n/a
13.3%	0.1%
-1.6%	0.4%
0.3%	0.2%
n/a	n/a
-10.9%	0.2%
1.7%	0.7%
n/a	n/a
n/a	n/a
♦	0.1%
n/a	♦
-1.4%	**4.1%**
-2.9%	0.8%
-1.7%	0.1%
n/a	n/a
2.8%	1.2%
2.3%	0.3%
3.3%	0.4%
5.8%	2.1%
5.0%	0.1%
-6.8%	0.2%
2.3%	**5.2%**

4.7%	**100.0%**
6.0%	54.0%
3.5%	46.0%
3.6%	31.4%
5.3%	68.6%
-6.0%	0.9%

es data from FGE, ICIS.

Oil: Total liquids consumption in thousands of barrels per day*

Thousand barrels daily	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Canada	1108	1167	1246	1322	1380	1472	1512	1589	1682	1713
Mexico	316	333	357	386	410	441	467	523	564	629
US	11522	12100	12567	13405	14153	14710	15223	16381	17318	16631
Total North America	**12946**	**13601**	**14170**	**15113**	**15943**	**16622**	**17202**	**18493**	**19564**	**18973**
Argentina	432	447	460	469	492	448	480	479	483	483
Brazil	306	335	345	412	457	516	569	656	803	863
Chile	71	77	82	86	92	98	108	114	110	105
Colombia	81	92	93	104	100	116	120	135	131	145
Ecuador	13	14	15	18	19	22	24	25	27	31
Peru	74	95	95	95	94	98	98	84	100	118
Trinidad & Tobago	35	35	37	38	39	41	42	67	68	67
Venezuela	184	181	186	201	200	210	212	231	257	259
Central America	78	79	83	85	90	93	98	106	112	113
Other Caribbean	372	385	401	408	421	474	485	517	558	556
Other South America	46	47	51	52	56	58	63	73	74	66
Total S. & Cent. America	**1693**	**1789**	**1847**	**1969**	**2061**	**2174**	**2299**	**2487**	**2722**	**2807**
Austria	107	118	126	144	159	176	196	212	230	207
Belgium	312	319	350	405	468	512	525	567	598	529
Bulgaria	71	81	102	120	148	173	189	197	208	216
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	8	9	10	11	13	13	16	18	19	17
Czech Republic	78	86	95	106	113	137	151	165	185	189
Denmark	202	230	244	264	316	351	347	366	341	309
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	111	135	141	160	185	207	215	228	255	223
France	1065	1145	1315	1419	1642	1860	2022	2238	2499	2375
Germany	1709	1916	1997	2233	2521	2765	2888	3037	3249	2957
Greece	85	93	109	112	120	130	143	165	192	180
Hungary	73	81	86	90	101	118	133	144	163	178
Iceland	9	10	10	11	10	10	11	12	13	13
Ireland	47	52	58	65	71	79	88	96	104	103
Italy	979	1080	1199	1319	1463	1659	1790	1886	1983	1927
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	16	18	20	22	25	26	27	29	32	29
Netherlands	478	522	534	573	625	700	696	777	808	698
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	99	112	117	130	143	161	160	168	172	156
Poland	109	114	124	154	170	181	191	214	238	250
Portugal	50	52	57	61	65	92	104	112	124	131
Romania	143	149	170	180	200	218	222	236	265	244
Slovakia	45	49	55	61	65	79	87	95	106	109
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	268	319	388	411	469	534	593	623	745	776
Sweden	374	422	421	473	508	551	521	533	548	488
Switzerland	164	175	188	208	226	254	270	276	297	265
Turkey	69	83	97	117	129	136	160	181	223	216
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	1466	1574	1696	1794	1930	2031	2037	2155	2228	2069
Other Europe	81	96	117	135	145	173	218	227	248	279
Total Europe	**8219**	**9037**	**9826**	**10775**	**12031**	**13323**	**14000**	**14952**	**16076**	**15134**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	3314	3549	3866	4107	4376	4826	5127	5547	5981	6588
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**3314**	**3549**	**3866**	**4107**	**4376**	**4826**	**5127**	**5547**	**5981**	**6588**
Iran	143	156	172	189	207	224	246	274	329	383
Iraq	26	28	30	33	36	48	52	64	62	62
Israel	76	79	83	86	90	94	98	102	108	110
Kuwait	109	106	104	101	99	97	96	104	99	91

Oman	9	9	10	10	11	11	24	27	24	22
Qatar	1	1	2	2	2	2	2	2	3	4
Saudi Arabia	390	393	396	399	403	435	441	470	501	526
United Arab Emirates	2	2	2	2	2	3	3	4	6	8
Other Middle East	115	120	124	129	135	131	136	133	144	154
Total Middle East	**870**	**894**	**923**	**951**	**985**	**1044**	**1098**	**1180**	**1276**	**1361**
Algeria	27	35	33	35	38	43	49	54	59	66
Egypt	131	140	116	121	92	117	122	140	132	146
Morocco	21	28	31	34	37	39	41	43	51	55
South Africa	118	128	138	150	165	179	195	212	234	228
Eastern Africa	111	117	123	127	135	141	168	175	184	183
Middle Africa	40	41	42	43	44	45	53	56	58	60
Western Africa	74	80	82	81	90	99	129	138	153	159
Other Northern Africa	28	31	33	38	42	46	43	50	64	70
Other Southern Africa	1	1	1	1	1	1	1	1	1	1
Total Africa	**550**	**601**	**598**	**630**	**644**	**710**	**801**	**868**	**935**	**967**
Australia	313	367	401	436	451	497	523	532	570	604
Bangladesh	n/a	n/a	n/a	n/a	n/a	n/a	14	17	19	20
China	215	277	273	298	401	554	753	865	1058	1217
China Hong Kong SAR	41	45	54	58	70	75	80	90	94	96
India	252	282	289	324	392	390	416	447	474	464
Indonesia	122	117	114	121	130	138	142	154	184	193
Japan	1705	1945	2388	2765	3284	3876	4285	4571	5265	5068
Malaysia	46	54	53	54	56	62	68	75	82	82
New Zealand	57	63	66	67	70	82	85	91	96	93
Pakistan	76	78	87	99	93	92	87	71	73	79
Philippines	85	92	104	118	127	144	168	164	193	180
Singapore	76	87	104	129	127	138	121	150	143	140
South Korea	25	37	65	95	130	162	183	191	235	244
Sri Lanka	9	10	10	10	10	21	19	20	21	17
Taiwan	44	52	61	73	87	105	145	156	200	180
Thailand	48	56	62	81	88	103	114	143	151	154
Vietnam	31	69	100	102	124	128	109	112	110	68
Other Asia Pacific	60	63	67	71	75	78	81	91	90	99
Total Asia Pacific	**3205**	**3693**	**4300**	**4902**	**5715**	**6646**	**7393**	**7940**	**9058**	**8996**
Total World	**30797**	**33164**	**35531**	**38448**	**41755**	**45345**	**47920**	**51467**	**55613**	**54826**
of which: OECD	23109	24873	26682	28978	31585	34178	35839	38369	41284	39574
Non-OECD	7688	8291	8849	9470	10170	11167	12080	13098	14330	15252
European Union #	7799	8566	9302	10181	11383	12596	13188	14096	15129	14212

* Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of biogasoline (such as ethanol)

◆ Less than 0.05%.

n/a not available.

USSR includes CIS, Georgia, Ukraine and the Baltic States.

Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Notes: Differences between these world consumption figures and world production statistics are accounted for by stock changes, consun and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.

Annual changes and shares of total are calculated using thousand barrels daily figures.

Contents

1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
1682	1789	1812	1849	1931	1898	1788	1609	1518	1540	1556	1559	1627
690	754	780	889	962	1072	1196	1255	1228	1293	1357	1394	1448
16334	17461	18443	18756	18438	17062	16060	15295	15235	15725	15726	16281	16665
18706	**20004**	**21035**	**21494**	**21331**	**20032**	**19044**	**18158**	**17980**	**18558**	**18639**	**19234**	**19740**
458	473	498	500	528	490	458	441	451	427	389	448	477
891	961	993	1094	1162	1125	1083	1129	1104	1142	1188	1347	1390
92	97	100	109	110	111	116	104	100	100	98	104	109
145	152	153	157	166	157	161	166	172	171	179	178	187
31	35	44	45	48	62	69	75	69	69	85	87	88
120	121	120	118	123	132	136	133	118	121	119	127	137
52	58	57	52	40	32	32	36	31	28	29	31	21
276	280	315	331	354	423	448	445	435	408	418	435	419
126	129	131	133	133	125	124	124	122	119	121	121	130
542	550	580	594	612	696	701	613	587	622	587	576	596
75	77	81	92	97	95	91	86	75	75	82	81	84
2808	**2932**	**3071**	**3224**	**3373**	**3449**	**3420**	**3350**	**3264**	**3282**	**3293**	**3534**	**3637**
210	226	218	237	246	240	219	209	204	198	200	210	217
504	524	517	551	551	506	466	441	404	392	400	450	455
229	238	248	255	263	271	243	236	229	220	202	213	205
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
14	15	16	17	17	17	16	20	20	21	21	22	26
208	219	230	238	242	225	222	206	202	216	212	205	205
306	325	326	328	314	269	255	221	210	207	214	211	196
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	66	65	66
231	247	245	247	261	251	241	224	209	212	215	225	226
2181	2349	2272	2399	2388	2220	2023	1883	1850	1787	1769	1810	1824
2875	3097	3073	3230	3337	3014	2754	2608	2564	2555	2643	2779	2720
191	203	208	228	241	246	231	237	227	232	242	244	265
203	212	226	249	236	231	221	210	200	208	212	197	207
12	12	12	13	13	12	11	10	10	11	11	11	12
101	103	110	120	126	113	101	90	82	80	80	98	87
1815	1891	1844	1976	2036	1929	1900	1809	1816	1732	1726	1766	1845
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	112	95	77
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	167	140	154
26	28	28	28	26	22	22	22	21	21	22	24	27
688	771	744	775	839	780	726	640	610	612	622	685	692
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
162	179	177	200	200	199	186	180	176	185	195	206	209
272	298	320	343	349	347	325	307	319	326	332	344	349
138	144	143	148	158	168	177	187	188	188	185	198	194
279	310	333	366	387	366	328	325	291	279	295	314	347
120	126	132	137	139	129	128	118	116	124	123	120	117
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
814	920	879	930	992	1043	1016	969	988	940	914	909	944
491	540	526	643	688	609	552	516	452	433	463	498	436
256	265	268	278	266	266	247	234	256	248	253	276	261
240	270	308	338	303	306	304	324	343	340	359	391	444
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1272	1278	1330
1815	1806	1829	1903	1922	1649	1539	1560	1517	1825	1616	1641	1605
274	291	317	348	372	342	315	323	347	324	450	472	474
14654	**15609**	**15548**	**16523**	**16910**	**15769**	**14772**	**14112**	**13851**	**13915**	**15594**	**16099**	**16214**
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	160	168	158
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	491	581	575
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	421	384	372
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4944	5006	5051
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	96	70	70
6912	7055	7376	7822	7968	8338	8442	8388	8273	8259	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	232	239	226
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	291	277	273
6912	**7055**	**7376**	**7822**	**7968**	**8338**	**8442**	**8388**	**8273**	**8259**	**6636**	**6725**	**6725**
450	506	592	593	626	570	564	615	750	809	892	822	859
64	80	93	89	107	142	151	159	179	195	230	245	255
114	120	125	134	146	158	161	157	149	139	132	137	154
73	84	82	88	98	83	112	130	143	157	153	157	155

21	24	23	22	23	18	18	26	21	33	30	22	24
5	7	9	8	9	17	18	27	30	33	44	50	53
408	471	544	589	708	592	709	785	870	969	993	1001	1063
13	19	28	31	42	99	110	122	123	140	172	207	227
171	190	210	222	258	254	273	306	330	356	366	360	386
1317	**1502**	**1706**	**1776**	**2018**	**1933**	**2116**	**2327**	**2597**	**2833**	**3012**	**3001**	**3177**
73	85	95	99	119	120	130	138	155	172	176	180	183
159	187	201	209	229	257	296	336	370	398	406	409	425
57	62	70	75	85	86	85	89	90	93	94	93	93
243	246	244	256	242	248	270	275	278	302	296	285	303
177	177	181	178	181	187	183	176	175	178	182	194	196
58	60	64	75	76	76	81	76	86	79	88	85	87
173	213	231	250	283	300	306	324	304	276	290	269	287
72	94	106	117	127	143	159	172	180	173	183	177	205
1	1	1	1	1	1	4	4	4	4	5	6	6
1014	**1124**	**1194**	**1260**	**1345**	**1419**	**1513**	**1590**	**1643**	**1675**	**1721**	**1697**	**1786**
600	613	643	655	667	639	622	627	618	646	627	639	653
23	25	25	26	29	32	34	33	30	30	34	36	36
1342	1534	1625	1819	1827	1707	1625	1614	1654	1713	1807	1925	2048
91	107	116	120	124	126	134	131	117	109	103	102	101
477	503	542	588	634	643	697	728	765	823	896	944	974
221	237	281	317	346	386	431	448	439	461	454	494	511
4788	4976	5128	5479	5545	4989	4750	4453	4458	4674	4487	4542	4556
86	96	109	119	145	163	175	184	197	194	195	188	194
90	92	93	89	90	87	83	83	80	81	78	72	85
82	82	87	92	99	103	109	120	132	142	152	164	180
194	199	217	224	231	215	203	195	204	167	150	158	183
137	162	164	170	181	179	206	202	213	225	230	265	280
277	310	371	426	480	476	474	471	497	501	537	588	622
16	16	17	20	21	21	25	28	30	25	23	23	27
209	268	298	349	352	364	324	313	322	316	392	434	452
168	176	198	221	225	233	224	206	231	241	232	241	264
65	17	16	20	23	40	35	36	40	39	40	45	52
97	102	106	122	134	150	155	150	153	145	165	171	165
8964	**9516**	**10036**	**10857**	**11152**	**10553**	**10304**	**10020**	**10183**	**10535**	**10602**	**11033**	**11382**
54376	**57740**	**59967**	**62956**	**64099**	**61492**	**59610**	**57945**	**57790**	**59058**	**59496**	**61323**	**62662**
38525	40966	42130	43923	44242	41265	39118	37261	36846	37772	37952	39117	39751
15850	16774	17837	19033	19856	20227	20492	20684	20944	21286	21545	22205	22911
13716	14598	14473	15353	15764	14652	13715	13047	12725	12813	13060	13472	13493

, biodiesel and derivatives of coal and natural gas are also included.

nption of non-petroleum additives and substitute fuels

1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1710	1771	1747	1659	1689	1697	1726	1848	1889	1969	2002	2061	2043
1435	1538	1611	1687	1708	1715	1824	1722	1745	1784	1881	1874	1952
17283	17325	16988	16715	17033	17236	17719	17725	18309	18621	18917	19519	19701
20428	**20633**	**20346**	**20061**	**20430**	**20649**	**21269**	**21296**	**21943**	**22373**	**22800**	**23455**	**23696**
475	435	412	426	449	447	433	432	447	450	459	431	432
1417	1445	1417	1438	1520	1589	1698	1773	1864	1985	2056	2108	2029
120	133	140	156	169	185	198	218	231	250	256	259	253
196	203	206	211	231	246	254	266	274	281	275	246	239
103	108	111	124	123	125	135	134	149	170	172	151	139
135	119	119	111	116	121	132	149	154	159	155	159	155
20	18	25	24	33	29	23	26	29	18	21	35	35
433	423	428	413	488	450	499	484	403	432	474	507	510
126	132	136	148	167	180	197	218	213	231	265	262	269
601	635	627	615	575	573	603	608	630	671	693	668	751
91	92	88	91	95	99	109	124	128	130	134	144	123
3717	**3742**	**3710**	**3758**	**3967**	**4043**	**4281**	**4431**	**4524**	**4778**	**4959**	**4970**	**4936**
215	214	223	241	234	237	234	233	240	245	254	250	243
466	460	493	527	535	527	583	578	624	639	647	627	643
217	213	196	130	117	128	120	124	117	92	98	90	89
n/a	n/a	92	66	66	70	72	80	75	80	90	89	80
28	29	31	32	36	38	37	40	40	42	45	47	49
198	190	174	143	138	140	147	167	175	169	173	173	167
193	187	184	186	185	193	205	215	234	227	220	218	211
66	68	67	59	32	34	32	25	27	27	27	25	22
225	226	234	233	229	220	230	209	217	214	226	228	225
1807	1857	1895	2001	1996	1925	1864	1879	1916	1936	2002	2030	1994
2723	2572	2685	2810	2827	2881	2859	2860	2900	2895	2898	2806	2746
273	298	324	328	332	342	350	365	380	385	402	392	409
192	188	195	166	168	160	167	157	145	148	155	149	143
12	13	13	13	13	14	14	14	16	16	16	16	16
80	82	90	99	103	105	114	116	122	133	149	168	168
1876	1909	1924	1901	1932	1906	1904	1972	1942	1954	1955	1962	1928
69	69	65	63	48	43	41	37	38	34	33	31	26
147	152	145	160	84	73	67	62	64	64	73	61	48
27	30	33	38	39	39	40	37	39	41	42	45	48
727	720	751	712	756	745	741	784	778	811	820	840	845
n/a	n/a	21	19	20	22	17	16	24	21	19	19	19
196	198	192	179	182	195	197	195	206	209	210	208	194
357	356	325	308	285	292	309	317	370	388	440	463	426
206	254	237	246	269	258	260	290	278	298	322	334	328
324	336	363	300	252	235	219	267	253	268	236	190	197
115	115	100	88	80	67	70	68	71	72	80	73	73
n/a	n/a	35	34	33	40	43	47	54	54	52	52	50
976	1024	984	1013	1118	1059	1112	1181	1210	1260	1360	1406	1423
410	394	393	345	363	356	377	360	383	361	402	385	335
262	252	270	275	278	262	270	251	259	273	277	269	260
475	447	476	465	490	563	540	606	632	628	630	629	667
1220	1171	1272	1161	855	494	402	392	291	287	297	268	253
1700	1739	1751	1751	1771	1789	1783	1766	1806	1763	1757	1743	1713
507	487	328	253	192	171	159	153	184	203	193	171	186
16290	**16248**	**16560**	**16342**	**16060**	**15622**	**15579**	**15862**	**16107**	**16236**	**16600**	**16456**	**16224**
162	158	166	160	156	151	140	126	112	107	112	107	120
556	522	483	468	398	281	228	206	204	180	170	157	156
373	382	440	445	415	320	247	242	205	207	172	144	160
5001	5111	5042	4917	4699	3928	3486	3058	2624	2630	2490	2568	2540
69	70	93	104	98	59	60	55	64	64	82	89	87
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
279	267	203	217	175	182	158	132	130	139	138	142	141
273	261	274	204	162	100	47	45	40	40	39	31	30
6712	**6772**	**6702**	**6514**	**6102**	**5021**	**4366**	**3865**	**3379**	**3367**	**3203**	**3238**	**3234**
898	970	1004	1066	1136	1234	1283	1287	1339	1391	1346	1356	1404
280	313	313	226	356	503	574	559	594	713	474	347	461
169	173	180	185	195	204	225	254	254	238	258	276	279
153	155	67	71	100	103	136	142	138	154	230	256	257

22	29	42	67	59	57	51	55	53	48	48	60	64
38	42	43	39	40	41	44	46	48	51	52	51	50
1093	1069	1136	1191	1155	1166	1403	1354	1401	1428	1509	1566	1627
271	285	300	365	367	382	399	400	385	393	391	383	381
385	384	404	435	441	454	469	505	505	536	554	557	565
3310	**3420**	**3489**	**3646**	**3851**	**4145**	**4585**	**4601**	**4719**	**4951**	**4862**	**4853**	**5087**
182	192	212	207	210	208	202	196	185	186	192	186	190
431	450	465	457	445	427	427	463	488	518	545	560	552
100	109	113	114	134	137	149	143	136	145	145	159	150
332	345	349	352	362	376	392	418	428	437	443	450	456
213	222	226	220	220	227	239	248	256	260	265	279	280
92	94	86	82	81	84	84	81	82	85	80	85	92
298	307	298	319	348	345	347	350	368	367	373	395	389
211	215	216	219	210	236	253	266	267	279	293	306	321
7	8	14	21	24	24	25	27	27	30	31	33	33
1865	**1942**	**1980**	**1992**	**2034**	**2066**	**2118**	**2193**	**2238**	**2307**	**2368**	**2450**	**2464**
682	710	725	704	707	744	773	797	808	827	829	851	846
36	39	38	35	39	44	46	60	61	71	78	69	68
2203	2315	2297	2491	2705	3013	3069	3342	3660	4007	4139	4387	4697
115	123	131	131	166	174	186	199	194	193	185	197	204
1069	1164	1210	1230	1292	1308	1406	1573	1693	1823	1959	2148	2259
536	570	652	692	745	786	809	865	924	1024	978	1022	1148
4879	5094	5240	5328	5455	5367	5652	5771	5802	5756	5526	5637	5542
210	219	263	285	309	346	385	404	445	512	445	489	495
83	85	94	95	97	98	111	120	121	127	129	131	133
193	207	216	227	247	269	288	312	326	337	348	361	372
197	222	233	226	277	288	304	342	358	387	390	372	346
322	367	444	452	464	504	578	606	612	649	661	656	696
739	855	1041	1257	1524	1682	1848	2017	2153	2388	2049	2197	2260
26	25	27	28	33	33	36	39	47	51	55	60	70
513	568	589	608	625	670	712	766	770	800	825	886	916
298	350	424	452	508	590	655	713	792	805	742	795	763
55	51	60	58	63	80	90	99	114	131	143	158	171
166	165	178	164	154	161	160	171	181	185	195	187	199
12322	**13130**	**13861**	**14463**	**15410**	**16158**	**17109**	**18195**	**19062**	**20073**	**19676**	**20604**	**21184**
64645	**65886**	**66648**	**66777**	**67854**	**67703**	**69307**	**70442**	**71972**	**74086**	**74468**	**76027**	**76826**
41094	41696	42024	42168	43099	43392	44627	45264	46436	47203	47470	48388	48361
23551	24191	24624	24608	24755	24311	24679	25178	25536	26883	26998	27639	28465
13626	13689	13998	13990	14043	13914	13995	14251	14513	14616	14976	14894	14657

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
2094	2172	2228	2309	2290	2292	2362	2323	2209	2359	2437	2376	2398
1925	1850	1903	1978	2020	2011	2092	2083	2024	2043	2068	2086	2038
19649	19761	20033	20731	20802	20687	20681	19490	18771	19180	18882	18490	18961
23667	**23784**	**24164**	**25018**	**25113**	**24991**	**25135**	**23897**	**23005**	**23582**	**23387**	**22953**	**23397**
427	395	407	427	451	474	528	540	532	594	609	636	683
2063	2045	1984	2065	2123	2152	2308	2481	2498	2714	2832	2884	3100
242	252	244	257	266	293	377	390	383	343	371	376	362
225	221	230	228	237	234	232	248	230	256	275	295	297
144	143	148	155	169	180	183	188	191	220	226	233	247
147	147	140	153	154	149	157	175	182	191	220	215	228
33	37	35	38	35	38	43	45	44	45	42	40	45
572	603	507	545	606	668	640	716	726	725	737	792	782
288	288	301	308	308	324	344	343	342	347	366	369	373
756	762	752	750	757	756	722	697	654	644	642	627	604
121	120	127	136	135	135	145	160	172	184	179	185	189
5018	**5012**	**4874**	**5062**	**5241**	**5402**	**5678**	**5984**	**5954**	**6262**	**6498**	**6653**	**6911**
264	270	292	283	284	288	273	272	262	274	257	257	264
654	655	686	691	690	684	689	726	671	700	657	639	659
96	97	103	100	109	112	111	106	97	86	82	87	81
81	85	93	88	91	93	95	91	89	76	73	66	64
49	49	52	51	57	56	57	58	57	56	55	51	46
177	172	184	202	210	207	205	209	204	194	201	198	190
203	196	188	185	187	190	191	187	169	171	168	158	158
26	28	27	28	28	29	31	30	27	28	27	32	31
222	228	238	223	232	225	227	225	213	223	214	205	220
2009	1953	1951	1963	1945	1941	1910	1886	1819	1760	1722	1670	1658
2786	2696	2647	2618	2589	2606	2376	2499	2405	2441	2365	2352	2404
417	421	439	430	436	460	467	440	419	382	362	321	303
141	139	131	136	158	168	168	163	153	146	155	143	142
15	16	16	17	17	18	18	16	15	15	14	14	15
182	179	175	181	191	191	195	187	166	158	147	139	141
1919	1915	1900	1850	1797	1791	1740	1660	1561	1531	1474	1384	1274
31	30	31	33	35	33	36	35	32	36	34	33	34
55	51	50	53	57	58	58	63	54	55	53	55	53
51	52	56	63	65	61	61	61	57	60	61	59	58
886	898	901	938	990	983	1034	979	945	964	971	925	898
16	18	17	17	18	19	21	19	20	19	20	19	19
221	215	224	218	216	221	220	218	222	233	227	225	229
419	430	441	469	487	530	548	567	566	593	591	570	537
327	338	319	323	332	298	304	293	274	272	256	231	241
211	220	194	223	218	214	218	216	195	184	191	191	174
67	75	70	67	80	72	76	82	78	82	81	74	75
52	50	51	52	53	56	55	64	55	55	55	54	51
1486	1495	1540	1576	1595	1603	1611	1550	1457	1447	1383	1300	1203
343	349	368	351	360	362	360	341	327	329	311	310	308
278	264	257	255	260	266	241	256	260	242	234	238	249
618	655	645	662	658	681	695	686	709	694	673	704	756
284	282	295	310	296	308	308	299	282	267	278	267	257
1714	1710	1726	1760	1833	1815	1755	1722	1650	1633	1600	1546	1532
217	233	256	277	290	298	314	314	315	319	320	300	298
16515	**16465**	**16563**	**16695**	**16863**	**16937**	**16669**	**16519**	**15826**	**15725**	**15310**	**14816**	**14624**
79	73	84	91	106	96	91	74	73	72	89	92	101
152	159	164	162	152	177	163	160	182	150	172	211	144
158	157	171	187	191	206	227	238	200	211	243	245	260
2628	2544	2653	2619	2647	2762	2780	2861	2775	2878	3074	3119	3134
84	96	110	109	109	105	111	114	106	118	125	129	137
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
136	133	145	146	103	103	94	93	89	76	71	63	60
32	33	36	40	43	47	56	60	64	63	65	75	78
3269	**3195**	**3362**	**3354**	**3352**	**3497**	**3523**	**3600**	**3488**	**3567**	**3838**	**3935**	**3914**
1422	1435	1456	1496	1651	1801	1838	1927	1920	1788	1823	1859	2020
533	502	475	516	497	507	490	481	536	570	629	666	716
259	258	264	249	257	248	262	255	233	241	255	295	223
265	285	334	374	411	378	383	406	455	478	453	499	517

72	84	80	78	87	92	90	123	119	135	146	157	178
62	73	85	92	109	138	148	178	173	191	246	257	287
1746	1810	1910	2056	2203	2274	2407	2622	2914	3206	3295	3460	3451
381	413	454	485	502	539	576	603	606	654	735	773	852
581	597	616	653	735	746	779	798	776	724	712	676	624
5320	**5456**	**5674**	**5998**	**6453**	**6722**	**6973**	**7392**	**7731**	**7987**	**8293**	**8642**	**8868**
198	220	229	238	249	258	286	309	327	327	349	370	387
537	524	540	556	617	601	642	686	725	766	720	747	756
152	157	158	182	197	201	211	231	234	258	275	277	282
467	478	495	513	518	528	539	511	507	538	542	552	561
297	301	303	329	345	366	377	385	404	420	443	450	484
98	101	111	118	110	125	142	162	182	198	217	228	254
405	425	422	441	461	430	443	504	511	543	547	572	587
321	318	340	340	364	377	349	363	387	391	262	330	347
36	35	37	37	39	39	41	45	46	47	49	50	54
2510	**2561**	**2636**	**2754**	**2899**	**2925**	**3030**	**3196**	**3322**	**3489**	**3405**	**3575**	**3712**
852	851	849	866	867	936	935	944	950	959	1014	1040	1058
81	82	85	79	80	81	76	77	72	81	104	110	108
4810	5201	5786	6753	6900	7429	7812	7945	8285	9435	9791	10230	10736
242	266	267	311	283	303	322	292	332	359	361	344	352
2286	2458	2527	2599	2658	2792	2998	3134	3299	3378	3544	3742	3783
1165	1209	1230	1308	1303	1245	1320	1288	1321	1415	1595	1651	1680
5392	5312	5418	5270	5354	5174	5013	4847	4390	4442	4442	4702	4516
522	588	620	633	637	660	701	673	678	688	724	759	806
135	139	148	148	152	154	155	156	150	150	154	152	153
366	358	320	325	310	354	384	389	415	411	414	402	442
345	329	329	336	314	283	295	283	300	313	298	309	326
753	736	686	758	796	848	921	973	1049	1157	1208	1202	1217
2263	2317	2337	2294	2312	2321	2401	2312	2345	2378	2401	2466	2464
69	74	73	73	83	86	91	83	87	87	92	95	82
965	972	1015	1061	1057	1056	1115	1010	1022	1043	950	950	981
766	846	940	1001	1014	1009	1030	1016	1075	1121	1184	1248	1299
186	205	220	263	258	254	283	300	305	332	361	371	398
206	215	228	228	223	232	249	245	265	308	320	333	357
21405	**22158**	**23078**	**24305**	**24600**	**25217**	**26104**	**25965**	**26340**	**28057**	**28958**	**30106**	**30757**
77705	**78632**	**80351**	**83186**	**84520**	**85691**	**87112**	**86552**	**85665**	**88669**	**89690**	**90680**	**92183**
48373	48395	48976	49730	50106	49954	49823	48216	46227	46812	46316	45818	45858
29332	30237	31374	33456	34414	35737	37288	38337	39438	41857	43374	44862	46325
14897	14811	14887	14974	15139	15158	14886	14747	14041	13981	13589	13092	12841

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						Growth rate per annum		Share
2014	2015	2016	2017	2018	**2019**	2019	2008-18	2019
2443	2402	2449	2450	2503	**2464**	-1.6%	0.8%	2.4%
1965	1945	1956	1890	1828	**1740**	-4.8%	-1.3%	1.7%
19106	19531	19687	19958	20492	**20466**	-0.1%	0.5%	20.3%
23513	**23878**	**24092**	**24297**	**24823**	**24670**	-0.6%	0.4%	24.4%
673	696	686	678	651	**639**	-1.7%	1.9%	0.6%
3210	3140	2960	3030	3010	**3098**	2.9%	2.0%	3.1%
353	355	377	364	374	**381**	1.9%	-0.4%	0.4%
316	332	344	339	342	**348**	1.7%	3.2%	0.3%
260	254	240	237	255	**249**	-2.3%	3.1%	0.2%
225	247	259	258	267	**272**	2.0%	4.3%	0.3%
41	45	47	44	42	**39**	-6.9%	-0.8%	♦
720	637	537	463	402	**356**	-11.6%	-5.6%	0.4%
388	419	434	443	444	**459**	3.5%	2.6%	0.5%
591	613	630	621	639	**625**	-2.2%	-0.9%	0.6%
187	200	208	219	222	**228**	2.4%	3.4%	0.2%
6964	**6938**	**6723**	**6696**	**6648**	**6694**	0.7%	1.1%	6.6%
256	257	263	265	269	**275**	2.0%	-0.1%	0.3%
658	675	684	696	714	**695**	-2.7%	-0.2%	0.7%
87	98	99	103	103	**109**	5.7%	-0.3%	0.1%
66	68	68	73	71	**69**	-3.2%	-2.4%	0.1%
46	47	51	53	52	**52**	-0.1%	-1.2%	0.1%
202	196	182	217	219	**222**	1.2%	0.5%	0.2%
159	161	158	159	161	**165**	2.6%	-1.5%	0.2%
29	29	29	30	30	**31**	3.6%	0.2%	♦
214	212	221	215	215	**201**	-6.5%	-0.4%	0.2%
1609	1611	1596	1607	1605	**1602**	-0.2%	-1.6%	1.6%
2344	2336	2374	2443	2331	**2352**	0.9%	-0.7%	2.3%
302	313	314	324	319	**332**	3.9%	-3.2%	0.3%
159	168	166	177	189	**190**	0.4%	1.5%	0.2%
16	17	19	21	23	**20**	-12.5%	3.3%	♦
140	146	152	153	159	**160**	0.6%	-1.6%	0.2%
1204	1257	1266	1279	1307	**1235**	-5.5%	-2.4%	1.2%
34	36	37	38	36	**39**	8.6%	0.2%	♦
53	57	61	64	68	**68**	0.3%	0.8%	0.1%
57	56	56	59	63	**64**	1.7%	0.3%	0.1%
866	834	851	829	859	**843**	-1.8%	-1.3%	0.8%
19	20	22	21	21	**22**	8.1%	0.9%	♦
217	223	217	223	231	**215**	-7.0%	0.6%	0.2%
538	558	605	662	685	**694**	1.4%	1.9%	0.7%
241	246	240	249	239	**256**	6.9%	-2.0%	0.3%
187	191	202	213	219	**233**	6.2%	0.1%	0.2%
71	77	79	89	90	**86**	-4.7%	1.0%	0.1%
50	49	52	54	56	**54**	-5.1%	-1.2%	0.1%
1199	1243	1288	1300	1336	**1329**	-0.5%	-1.5%	1.3%
306	304	321	323	308	**317**	2.7%	-1.0%	0.3%
224	227	216	222	215	**220**	2.3%	-1.7%	0.2%
774	917	976	1025	991	**1009**	1.8%	3.8%	1.0%
221	194	205	210	208	**223**	7.2%	-3.6%	0.2%
1536	1578	1622	1635	1617	**1585**	-1.9%	-0.6%	1.6%
297	307	328	343	342	**347**	1.3%	0.9%	0.3%
14379	**14709**	**15020**	**15372**	**15350**	**15311**	-0.3%	-0.7%	15.2%
99	100	98	99	104	**108**	4.1%	3.4%	0.1%
163	139	136	137	148	**152**	2.7%	-0.8%	0.2%
262	295	305	317	340	**353**	3.8%	3.6%	0.3%
3298	3143	3219	3195	3282	**3317**	1.1%	1.4%	3.3%
143	145	143	144	149	**162**	8.7%	2.7%	0.2%
n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
57	53	49	47	45	**44**	-3.3%	-6.9%	♦
76	78	86	82	91	**93**	2.0%	4.1%	0.1%
4098	**3952**	**4036**	**4021**	**4158**	**4228**	1.7%	1.5%	4.2%
1901	1713	1764	1808	1835	**2018**	10.0%	-0.5%	2.0%
681	683	760	724	705	**716**	1.7%	3.9%	0.7%
214	227	231	255	250	**254**	1.7%	-0.2%	0.3%
455	471	482	440	434	**427**	-1.7%	0.7%	0.4%

185	184	187	243	284	**295**	4.0%	8.8%	0.3%
294	332	347	312	325	**346**	6.6%	6.2%	0.3%
3764	3883	3875	3838	3769	**3788**	0.5%	3.7%	3.8%
880	957	1028	1012	1057	**1042**	-1.4%	5.8%	1.0%
619	537	516	524	515	**529**	2.6%	-4.3%	0.5%
8993	**8988**	**9191**	**9157**	**9174**	**9416**	2.6%	2.2%	9.3%
401	425	412	407	417	**454**	8.8%	3.1%	0.4%
806	834	857	804	757	**743**	-1.8%	1.0%	0.7%
272	268	275	290	286	**294**	2.8%	2.2%	0.3%
555	579	547	547	558	**571**	2.3%	0.9%	0.6%
501	548	570	606	627	**645**	2.9%	5.0%	0.6%
273	266	255	232	235	**240**	2.4%	3.8%	0.2%
552	564	627	689	727	**756**	4.0%	3.7%	0.7%
357	318	292	303	318	**332**	4.3%	-1.3%	0.3%
55	58	59	61	62	**63**	0.7%	3.3%	0.1%
3773	**3860**	**3895**	**3939**	**3988**	**4098**	**2.8%**	**2.2%**	**4.1%**
1065	1025	1026	1073	1098	**1088**	-0.8%	1.5%	1.1%
120	127	138	156	178	**171**	-4.0%	8.7%	0.2%
11221	11969	12317	12915	13453	**14127**	5.0%	5.4%	14.0%
336	368	380	428	435	**409**	-6.0%	4.1%	0.4%
3908	4234	4637	4864	5115	**5274**	3.1%	5.0%	5.2%
1712	1574	1624	1704	1789	**1863**	4.1%	3.3%	1.8%
4303	4151	4020	3986	3870	**3827**	-1.1%	-2.2%	3.8%
809	759	847	811	821	**838**	2.0%	2.0%	0.8%
156	163	166	174	175	**176**	0.5%	1.2%	0.2%
458	505	566	589	498	**446**	-10.5%	2.5%	0.4%
347	397	427	459	464	**474**	2.0%	5.1%	0.5%
1259	1328	1372	1405	1431	**1404**	-1.8%	3.9%	1.4%
2463	2587	2781	2811	2796	**2775**	-0.8%	1.9%	2.7%
71	90	105	114	114	**123**	7.5%	3.3%	0.1%
1013	1021	1046	1038	1050	**998**	-4.9%	0.4%	1.0%
1309	1373	1409	1456	1486	**1515**	2.0%	3.9%	1.5%
409	452	470	487	506	**528**	4.4%	5.4%	0.5%
388	425	437	454	474	**506**	6.7%	6.8%	0.5%
31346	**32547**	**33769**	**34925**	**35753**	**36541**	2.2%	3.3%	36.2%
93067	**94872**	**96726**	**98408**	**99894**	**100959**	**1.1%**	**1.4%**	**100.0%**
45525	46169	46739	47317	47720	**47428**	-0.6%	-0.1%	47.0%
47542	48702	49987	51091	52174	**53531**	2.6%	3.1%	53.0%
12654	12847	13084	13357	13372	**13309**	-0.5%	-1.0%	13.2%

Oil: Consumption*

Contents

Thousand barrels daily	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Canada	1108	1167	1246	1322	1380	1472	1512	1589	1682	1713	1682	1789	1812	1849	1931	1898	1788	1609	1518
Mexico	316	333	357	386	410	441	467	523	564	629	690	754	780	889	962	1072	1196	1255	1228
US	11522	12100	12567	13405	14153	14710	15223	16381	17318	16631	16334	17461	18443	18756	18438	17062	16060	15295	15235
Total North America	**12946**	**13601**	**14170**	**15113**	**15943**	**16622**	**17202**	**18493**	**19564**	**18973**	**18706**	**20004**	**21035**	**21494**	**21331**	**20032**	**19044**	**18158**	**17980**
Argentina	432	447	460	469	492	448	480	479	483	483	458	473	498	500	528	490	458	441	451
Brazil	306	335	345	412	457	513	564	649	797	860	888	958	982	1068	1123	1080	1041	1067	1018
Chile	71	77	82	86	92	98	108	114	110	105	92	97	100	109	110	111	116	104	100
Colombia	81	92	93	104	100	116	120	135	131	145	145	152	153	157	166	157	161	166	172
Ecuador	13	14	15	18	19	22	24	25	27	31	31	35	44	45	48	62	69	75	69
Peru	74	95	95	95	94	98	98	84	100	118	120	121	120	118	123	132	136	133	118
Trinidad & Tobago	35	35	37	38	39	41	42	67	68	67	52	58	57	52	40	32	32	36	31
Venezuela	184	181	186	201	200	210	212	231	257	259	276	280	315	331	354	423	448	445	435
Central America	78	79	83	85	90	93	98	106	112	113	126	129	131	133	133	125	124	124	122
Other Caribbean	346	358	373	381	392	446	456	486	527	524	512	518	545	560	577	657	666	576	548
Other South America	46	47	51	52	56	58	63	73	74	66	75	77	81	92	97	95	91	86	75
Total S. & Cent. America	**1667**	**1762**	**1820**	**1941**	**2033**	**2142**	**2265**	**2450**	**2686**	**2772**	**2775**	**2897**	**3026**	**3164**	**3300**	**3365**	**3343**	**3251**	**3139**
Austria	107	118	126	144	159	176	196	212	230	207	210	226	218	237	246	240	219	209	204
Belgium	312	319	350	405	468	512	525	567	598	529	504	524	517	551	551	506	466	441	404
Bulgaria	71	81	102	120	148	173	189	197	208	216	229	238	248	255	263	271	243	236	229
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	8	9	10	11	13	13	16	18	19	17	14	15	16	17	17	17	16	20	20
Czech Republic	78	86	95	106	113	137	151	165	185	189	208	219	230	238	242	225	222	206	202
Denmark	202	230	244	264	316	351	347	366	341	309	306	325	326	328	314	269	255	221	210
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	111	135	141	160	185	207	215	228	255	223	231	247	245	247	261	251	241	224	209
France	1065	1145	1315	1419	1642	1860	2022	2238	2499	2375	2181	2349	2272	2399	2388	2220	2023	1883	1850
Germany	1709	1916	1997	2233	2521	2765	2888	3037	3249	2957	2875	3097	3073	3230	3337	3014	2754	2608	2564
Greece	85	93	109	112	120	130	143	165	192	180	191	203	208	228	241	246	231	237	227
Hungary	73	81	86	90	101	118	133	144	163	178	203	212	226	249	236	231	221	210	200
Iceland	9	10	10	11	10	10	11	12	13	13	12	12	12	13	13	12	11	10	10
Ireland	47	52	58	65	71	79	88	96	104	103	101	103	110	120	126	113	101	90	82
Italy	979	1080	1199	1319	1463	1659	1790	1886	1983	1927	1815	1891	1844	1976	2036	1929	1900	1809	1816
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	16	18	20	22	25	26	27	29	32	29	26	28	28	28	26	22	22	22	21
Netherlands	478	522	534	573	625	700	696	777	808	698	688	771	744	775	839	780	726	640	610
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	99	112	117	130	143	161	160	168	172	156	162	179	177	200	200	199	186	180	176
Poland	109	114	124	154	170	181	191	214	238	250	272	298	320	343	349	347	325	307	319
Portugal	50	52	57	61	65	92	104	112	124	131	138	144	143	148	158	168	177	187	188
Romania	143	149	170	180	200	218	222	236	265	244	279	310	333	366	387	366	328	325	291
Slovakia	45	49	55	61	65	79	87	95	106	109	120	126	132	137	139	129	128	118	116
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	268	319	388	411	469	534	593	623	745	776	814	920	879	930	992	1043	1016	969	988
Sweden	374	422	421	473	508	551	521	533	548	488	491	540	526	643	688	609	552	516	452
Switzerland	164	175	188	208	226	254	270	276	297	265	256	265	268	278	266	266	247	234	256
Turkey	69	83	97	117	129	136	160	181	223	216	240	270	308	338	303	306	304	324	343
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	1466	1574	1696	1794	1930	2031	2037	2155	2228	2069	1815	1806	1829	1903	1922	1649	1539	1560	1517
Other Europe	81	96	117	135	145	173	218	227	248	279	274	291	317	348	372	342	315	323	347
Total Europe	**8219**	**9037**	**9826**	**10775**	**12031**	**13323**	**14000**	**14952**	**16076**	**15134**	**14654**	**15609**	**15548**	**16523**	**16910**	**15769**	**14772**	**14112**	**13851**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	3314	3549	3866	4107	4376	4826	5127	5547	5981	6588	6912	7055	7376	7822	7968	8338	8442	8388	8273
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**3314**	**3549**	**3866**	**4107**	**4376**	**4826**	**5127**	**5547**	**5981**	**6588**	**6912**	**7055**	**7376**	**7822**	**7968**	**8338**	**8442**	**8388**	**8273**
Iran	143	156	172	189	207	224	246	274	329	383	450	506	592	593	626	570	564	615	750
Iraq	26	28	30	33	36	48	52	64	62	62	64	80	93	89	107	142	151	159	179
Israel	76	79	83	86	90	94	98	102	108	110	114	120	125	134	146	158	161	157	149
Kuwait	109	106	104	101	99	97	96	104	99	91	73	84	82	88	98	83	112	130	143
Oman	9	9	10	10	11	11	24	27	24	22	21	24	23	22	23	18	18	26	21
Qatar	1	1	2	2	2	2	2	2	3	4	5	7	9	8	9	17	18	27	30
Saudi Arabia	390	393	396	399	403	435	441	470	501	526	408	471	544	589	708	592	709	785	870
United Arab Emirates	2	2	2	2	2	3	3	4	6	8	13	19	28	31	42	99	110	122	123
Other Middle East	115	120	124	129	135	131	136	133	144	154	171	190	210	222	258	254	273	306	330
Total Middle East	**870**	**894**	**923**	**951**	**985**	**1044**	**1098**	**1180**	**1276**	**1361**	**1317**	**1502**	**1706**	**1776**	**2018**	**1933**	**2116**	**2327**	**2597**
Algeria	27	35	33	35	38	43	49	54	59	66	73	85	95	99	119	120	130	138	155
Egypt	131	140	116	121	92	117	122	140	132	146	159	187	201	209	229	257	296	336	370
Morocco	21	28	31	34	37	39	41	43	51	55	57	62	70	75	85	86	85	89	90
South Africa	118	128	138	150	165	179	195	212	234	228	243	246	244	256	242	248	270	275	278
Eastern Africa	111	117	123	127	135	141	168	175	184	183	177	177	181	178	181	187	183	176	175
Middle Africa	40	41	42	43	44	45	53	56	58	60	58	60	64	75	76	76	81	76	86
Western Africa	74	80	82	81	90	99	129	138	153	159	173	213	231	250	283	300	306	324	304
Other Northern Africa	28	31	33	38	42	46	43	50	64	70	72	94	106	117	127	143	159	172	180
Other Southern Africa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4
Total Africa	**550**	**601**	**598**	**630**	**644**	**710**	**801**	**868**	**935**	**967**	**1014**	**1124**	**1194**	**1260**	**1345**	**1419**	**1513**	**1590**	**1643**
Australia	313	367	401	436	451	497	523	532	570	604	600	613	643	655	667	639	622	627	618
Bangladesh	n/a	n/a	n/a	n/a	n/a	n/a	14	17	19	20	23	25	25	26	29	32	34	33	30
China	215	277	273	298	401	554	753	865	1058	1217	1342	1534	1625	1819	1827	1707	1625	1614	1654
China Hong Kong SAR	41	45	54	58	70	75	80	90	94	96	91	107	116	120	124	126	134	131	117
India	252	282	289	324	392	390	416	447	474	464	477	503	542	588	634	643	697	728	765
Indonesia	122	117	114	121	130	138	142	154	184	193	221	237	281	317	346	386	431	448	439
Japan	1705	1945	2388	2765	3284	3876	4285	4571	5265	5068	4788	4976	5128	5479	5545	4989	4750	4453	4458
Malaysia	46	54	53	54	56	62	68	75	82	82	86	96	109	119	145	163	175	184	197
New Zealand	57	63	66	67	70	82	85	91	96	93	90	92	93	89	90	87	83	83	80
Pakistan	76	78	87	99	93	92	87	71	73	79	82	82	87	92	99	103	109	120	132
Philippines	85	92	104	118	127	144	168	164	193	180	194	199	217	224	231	215	203	195	204
Singapore	76	87	104	129	127	138	121	150	143	140	137	162	164	170	181	179	206	202	213
South Korea	25	37	65	95	130	162	183	191	235	244	277	310	371	426	480	476	474	471	497
Sri Lanka	9	10	10	10	10	21	19	20	21	17	16	16	17	20	21	21	25	28	30
Taiwan	44	52	61	73	87	105	145	156	200	180	209	268	298	349	352	364	324	313	322
Thailand	48	56	62	81	88	103	114	143	151	154	168	176	198	221	225	233	224	206	231
Vietnam	31	69	100	102	124	128	109	112	110	68	65	17	16	20	23	40	35	36	40
Other Asia Pacific	60	63	67	71	75	78	81	91	90	99	97	102	106	122	134	150	155	150	153
Total Asia Pacific	**3205**	**3693**	**4300**	**4902**	**5715**	**6646**	**7393**	**7940**	**9058**	**8996**	**8964**	**9516**	**10036**	**10857**	**11152**	**10553**	**10304**	**10020**	**10183**
Total World	**30771**	**33137**	**35503**	**38420**	**41727**	**45313**	**47886**	**51430**	**55577**	**54790**	**54342**	**57706**	**59921**	**62896**	**64025**	**61408**	**59533**	**57845**	**57665**
of which: OECD	23109	24873	26682	28978	31585	34178	35839	38369	41284	39574	38525	40966	42130	43923	44242	41265	39118	37261	36846
Non-OECD	7662	8264	8821	9442	10142	11135	12047	13061	14293	15217	15817	16740	17791	18974	19783	20143	20415	20585	20819
European Union #	7799	8566	9302	10181	11383	12596	13188	14096	15129	14212	13716	14598	14473	15353	15764	14652	13715	13047	12725

Thousand barrels daily	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Canada	1540	1556	1559	1627	1710	1771	1747	1659	1689	1697	1726	1848	1889	1969	2002	2061	2043	2094	2172	2228	2309	2290	2279
Mexico	1293	1357	1394	1448	1435	1538	1611	1687	1708	1715	1824	1722	1745	1784	1881	1874	1952	1925	1848	1901	1975	2017	2008
US	15725	15726	16281	16665	17283	17325	16939	16659	16969	17161	17635	17635	18245	18539	18827	19425	19594	19534	19625	19848	20499	20532	20313
Total North America	**18558**	**18639**	**19234**	**19740**	**20428**	**20633**	**20298**	**20005**	**20366**	**20573**	**21185**	**21205**	**21879**	**22291**	**22710**	**23361**	**23588**	**23553**	**23645**	**23977**	**24783**	**24839**	**24600**
Argentina	427	389	448	477	475	435	412	426	449	447	433	432	447	450	459	431	432	427	395	407	427	451	474
Brazil	1031	1052	1168	1207	1224	1236	1229	1242	1329	1389	1484	1553	1635	1764	1838	1889	1843	1886	1845	1794	1854	1894	1939
Chile	100	98	104	109	120	133	140	156	169	185	198	218	231	250	256	259	253	242	252	244	257	266	293
Colombia	171	179	178	187	196	203	206	211	231	246	254	266	274	281	275	246	239	225	221	230	228	237	234
Ecuador	69	85	87	88	103	108	111	124	123	125	135	134	149	170	172	151	139	144	143	148	155	169	180
Peru	121	119	127	137	135	119	119	111	116	121	132	149	154	159	155	159	155	147	146	139	153	154	147
Trinidad & Tobago	28	29	31	21	20	18	25	24	33	29	23	26	29	18	21	35	35	33	37	35	38	35	38
Venezuela	408	418	435	419	433	423	428	413	488	450	499	484	403	432	474	507	510	572	603	507	545	606	668
Central America	119	121	121	130	126	132	136	148	167	180	197	218	213	231	265	262	269	288	288	301	308	308	324
Other Caribbean	583	545	533	553	557	590	581	569	538	543	574	577	600	640	662	638	721	727	734	724	723	731	738
Other South America	74	81	81	83	90	91	87	90	94	99	109	123	128	130	133	144	123	121	120	127	136	134	134
Total S. & Cent. America	**3132**	**3115**	**3312**	**3411**	**3479**	**3488**	**3475**	**3515**	**3738**	**3812**	**4037**	**4179**	**4265**	**4525**	**4710**	**4721**	**4720**	**4813**	**4784**	**4655**	**4823**	**4985**	**5168**
Austria	198	200	210	217	215	214	223	241	234	237	234	232	240	245	253	250	243	263	270	291	283	282	282
Belgium	392	400	450	455	466	460	493	527	535	527	583	578	624	639	647	627	643	654	655	686	691	690	684
Bulgaria	220	202	213	205	217	213	196	130	117	128	120	124	117	92	98	90	89	96	97	103	100	109	112
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	92	66	66	70	72	80	75	80	90	89	80	81	85	93	88	91	93
Cyprus	21	21	22	26	28	29	31	32	36	38	37	40	40	42	45	47	49	49	49	52	51	57	56
Czech Republic	216	212	205	205	198	190	174	143	138	140	147	167	175	168	173	172	166	176	171	183	201	210	206
Denmark	207	214	211	196	193	187	184	186	185	193	205	215	234	227	220	218	211	203	196	188	185	187	190
Estonia	n/a	66	65	66	66	68	67	59	32	34	32	25	27	27	27	25	22	26	28	27	28	28	29
Finland	212	215	225	226	225	226	234	233	229	220	230	209	217	214	226	228	225	222	228	238	223	232	225
France	1787	1769	1810	1824	1807	1857	1895	2001	1996	1924	1862	1876	1911	1929	1996	2023	1986	2002	1945	1944	1955	1932	1925
Germany	2555	2643	2779	2720	2723	2572	2685	2810	2827	2881	2859	2860	2899	2894	2896	2803	2741	2780	2685	2632	2597	2550	2542
Greece	232	242	244	265	273	298	324	328	332	342	350	365	380	385	402	392	409	417	421	439	430	436	459
Hungary	208	212	197	207	192	188	195	166	168	160	167	157	145	148	155	149	143	141	139	131	136	158	168
Iceland	11	11	11	12	12	13	13	13	13	14	14	14	16	16	16	16	16	15	16	16	17	17	18
Ireland	80	80	98	87	80	82	90	99	103	105	114	116	122	133	149	168	168	182	179	175	181	191	191
Italy	1732	1726	1766	1845	1876	1909	1924	1901	1932	1906	1904	1972	1942	1954	1955	1962	1928	1919	1915	1900	1844	1794	1787
Latvia	n/a	112	95	77	69	69	65	63	48	43	41	37	38	34	33	31	26	31	30	31	33	35	33
Lithuania	n/a	167	140	154	147	152	145	160	84	73	67	62	64	64	73	61	48	55	51	50	53	57	57
Luxembourg	21	22	24	27	27	30	33	38	39	39	40	37	39	41	42	45	48	51	52	56	63	65	61
Netherlands	612	622	685	692	727	720	751	712	756	745	741	784	778	811	820	840	845	886	898	901	938	990	981
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	21	19	20	22	17	16	24	21	19	19	19	16	18	17	17	18	19
Norway	185	195	206	209	196	198	192	179	182	195	197	195	206	209	210	208	194	221	215	224	218	216	221
Poland	326	332	344	349	357	356	325	308	285	292	309	317	370	388	440	463	426	419	430	440	469	486	527
Portugal	188	185	198	194	206	254	237	246	269	258	260	290	278	298	322	334	328	327	338	319	323	332	296
Romania	279	295	314	347	324	336	363	300	252	235	219	267	253	268	236	190	197	211	220	194	223	218	214
Slovakia	124	123	120	117	115	115	100	88	80	67	70	68	71	72	80	73	73	67	75	70	67	80	71
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	35	34	33	40	43	47	54	54	52	52	50	52	50	51	52	53	56
Spain	940	914	909	944	976	1024	984	1013	1118	1059	1112	1181	1210	1260	1360	1406	1421	1484	1491	1534	1572	1588	1598
Sweden	433	463	498	436	410	394	393	345	363	356	377	360	383	361	402	385	335	343	349	368	351	355	356
Switzerland	248	253	276	261	262	252	270	275	278	262	270	251	259	273	277	269	260	278	264	257	255	260	266
Turkey	340	359	391	444	475	447	476	465	490	563	540	606	632	628	630	629	667	618	655	645	662	658	681
Ukraine	n/a	1272	1278	1330	1220	1171	1272	1161	855	494	402	392	291	287	297	268	253	284	282	295	310	296	308
United Kingdom	1825	1616	1641	1605	1700	1739	1751	1751	1771	1789	1783	1766	1806	1763	1757	1743	1713	1714	1710	1725	1760	1831	1810
Other Europe	324	450	472	474	507	487	328	253	192	171	159	153	184	203	193	171	186	217	233	256	277	290	298
Total Europe	**13915**	**15594**	**16099**	**16214**	**16290**	**16248**	**16560**	**16342**	**16059**	**15621**	**15576**	**15858**	**16100**	**16226**	**16591**	**16446**	**16209**	**16497**	**16441**	**16532**	**16654**	**16788**	**16822**
Azerbaijan	n/a	160	168	158	162	158	166	160	156	151	140	126	112	107	112	107	120	79	73	84	91	106	96
Belarus	n/a	491	581	575	556	522	483	468	398	281	228	206	204	180	170	157	156	152	159	164	162	152	177
Kazakhstan	n/a	421	384	372	373	382	440	445	415	320	247	242	205	207	172	144	160	158	157	171	187	191	206
Russian Federation	n/a	4944	5006	5051	5001	5111	5042	4917	4699	3928	3486	3058	2624	2630	2490	2568	2540	2628	2544	2653	2619	2647	2762
Turkmenistan	n/a	96	70	70	69	70	93	104	98	59	60	55	64	64	82	89	87	84	96	110	109	109	105
USSR	8259	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	232	239	226	279	267	203	217	175	182	158	132	130	139	138	142	141	136	133	145	146	103	103
Other CIS	n/a	291	277	273	273	261	274	204	162	100	47	45	40	40	39	31	30	32	33	36	40	43	47
Total CIS	**8259**	**6636**	**6725**	**6725**	**6712**	**6772**	**6702**	**6514**	**6102**	**5021**	**4366**	**3865**	**3379**	**3367**	**3203**	**3238**	**3234**	**3269**	**3195**	**3362**	**3354**	**3352**	**3497**
Iran	809	892	822	859	898	970	1004	1066	1136	1234	1283	1287	1339	1391	1346	1356	1404	1422	1435	1456	1496	1651	1801
Iraq	195	230	245	255	280	313	313	226	356	503	574	559	594	713	474	347	461	533	502	475	516	497	507
Israel	139	132	137	154	169	173	180	185	195	204	225	254	254	238	258	276	279	259	257	264	248	257	248
Kuwait	157	153	157	155	153	155	67	71	100	103	136	142	138	154	230	256	257	265	285	334	374	411	378
Oman	33	30	22	24	22	29	42	67	59	57	51	55	53	48	48	60	64	72	84	80	78	87	92
Qatar	33	44	50	53	38	42	43	39	40	41	44	46	48	51	52	51	50	62	73	85	92	109	138
Saudi Arabia	969	993	1001	1063	1093	1069	1136	1191	1155	1166	1403	1354	1401	1428	1509	1566	1627	1746	1810	1910	2056	2203	2274
United Arab Emirates	140	172	207	227	271	285	300	365	367	382	399	400	385	393	391	383	381	381	413	454	485	502	539
Other Middle East	356	366	360	386	385	384	404	435	441	454	469	505	505	536	554	557	565	581	597	616	653	735	746
Total Middle East	**2833**	**3012**	**3001**	**3177**	**3310**	**3420**	**3489**	**3646**	**3851**	**4145**	**4585**	**4601**	**4719**	**4951**	**4862**	**4853**	**5087**	**5320**	**5456**	**5674**	**5998**	**6452**	**6722**
Algeria	172	176	180	183	182	192	212	207	210	208	202	196	185	186	192	186	190	198	220	229	238	249	258
Egypt	398	406	409	425	431	450	465	457	445	427	427	463	488	518	545	560	552	537	524	540	556	617	601
Morocco	93	94	93	93	100	109	113	114	134	137	149	143	136	145	145	159	150	152	157	158	182	197	201
South Africa	302	296	285	303	332	345	349	352	362	376	392	418	428	437	443	450	456	467	478	495	513	518	528
Eastern Africa	178	182	194	196	213	222	226	220	220	227	239	248	256	260	265	279	280	297	301	303	329	345	366
Middle Africa	79	88	85	87	92	94	86	82	81	84	84	81	82	85	80	85	92	98	101	111	118	110	125
Western Africa	276	290	269	287	298	307	298	319	348	345	347	350	368	367	373	395	389	405	425	422	441	461	430
Other Northern Africa	173	183	177	205	211	215	216	219	210	236	253	266	267	279	293	306	321	321	318	340	340	364	377
Other Southern Africa	4	5	6	6	7	8	14	21	24	24	25	27	27	30	31	33	33	36	35	37	37	39	39
Total Africa	**1675**	**1721**	**1697**	**1786**	**1865**	**1942**	**1980**	**1992**	**2034**	**2066**	**2118**	**2193**	**2238**	**2307**	**2368**	**2450**	**2464**	**2510**	**2561**	**2636**	**2754**	**2899**	**2925**
Australia	646	627	639	653	682	710	725	704	707	744	773	797	808	827	829	851	846	852	851	849	866	867	934
Bangladesh	30	34	36	36	36	39	38	35	39	44	46	60	61	71	78	69	68	81	82	85	79	80	81
China	1713	1807	1925	2048	2203	2315	2297	2491	2705	3013	3069	3342	3660	4007	4139	4387	4697	4810	5200	5781	6738	6878	7402
China Hong Kong SAR	109	103	102	101	115	123	131	131	166	174	186	199	194	193	185	197	204	242	266	267	311	283	303
India	823	896	944	974	1069	1164	1210	1230	1292	1308	1406	1573	1693	1823	1959	2148	2258	2285	2457	2526	2598	2656	2791
Indonesia	461	454	494	511	536	570	652	692	745	786	809	865	924	1024	978	1022	1148	1165	1209	1230	1308	1303	1245
Japan	4674	4487	4542	4556	4879	5094	5240	5328	5455	5367	5652	5771	5802	5756	5526	5637	5542	5392	5312	5418	5270	5354	5174
Malaysia	194	195	188	194	210	219	263	285	309	346	385	404	445	512	445	489	495	522	588	620	633	637	659
New Zealand	81	78	72	85	83	85	94	95	97	98	111	120	121	127	129	131	133	135	139	148	148	152	154
Pakistan	142	152	164	180	193	207	216	227	247	269	288	312	326	337	348	361	372	366	358	320	325	310	354
Philippines	167	150	158	183	197	222	233	226	277	288	304	342	358	387	390	372	346	345	329	329	336	314	283
Singapore	225	230	265	280	322	367	444	452	464	504	578	606	612	649	661	656	696	753	736	686	758	796	848
South Korea	501	537	588	622	739	855	1041	1257	1524	1682	1848	2017	2153	2388	2049	2197	2260	2263	2317	2337	2294	2312	2320
Sri Lanka	25	23	23	27	26	25	27	28	33	33	36	39	47	51	55	60	70	69	74	73	73	83	86
Taiwan	316	392	434	452	513	568	589	608	625	670	712	766	770	800	825	886	916	965	972	1015	1061	1057	1056
Thailand	241	232	241	264	298	350	424	452	508	590	655	713	792	805	742	795	763	766	846	940	1001	1013	1007
Vietnam	39	40	45	52	55	51	60	58	63	80	90	99	114	131	143	158	171	186	205	220	263	258	254
Other Asia Pacific	145	165	171	165	166	165	178	164	154	161	160	171	181	185	195	187	199	206	215	228	228	223	232
Total Asia Pacific	**10535**	**10602**	**11033**	**11382**	**12322**	**13130**	**13861**	**14463**	**15410**	**16158**	**17109**	**18195**	**19062**	**20073**	**19676**	**20604**	**21183**	**21404**	**22156**	**23073**	**24288**	**24576**	**25182**
Total World	**58908**	**59319**	**61101**	**62436**	**64407**	**65632**	**66364**	**66477**	**67561**	**67397**	**68976**	**70095**	**71642**	**73741**	**74119**	**75674**	**76485**	**77366**	**78238**	**79908**	**82654**	**83891**	**84916**
of which: OECD	37772	37952	39117	39751	41094	41696	41975	42112	43034	43316	44540	45169	46365	47111	47370	48284	48238	48241	48231	48757	49453	49757	49443
Non-OECD	21136	21367	21983	22685	23313	23936	24389	24365	24526	24081	24436	24926	25277	26630	26749	27390	28247	29125	30007	31151	33201	34134	35473
European Union #	12813	13060	13472	13493	13626	13689	13998	13990	14042	13913	13991	14247	14506	14606	14967	14884	14641	14879	14787	14856	14934	15064	15043

														Growth rate per annum		Share
Thousand barrels daily	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	2019	2008-18	2019
Canada	2345	2300	2183	2333	2397	2330	2345	2387	2347	2393	2393	2443	**2403**	-1.7%	0.6%	2.4%
Mexico	2089	2080	2021	2040	2065	2083	2034	1960	1939	1950	1883	1821	**1733**	-4.8%	-1.3%	1.8%
US	20208	18841	18030	18324	17983	17594	18006	18136	18524	18618	18883	19428	**19400**	-0.1%	0.3%	19.7%
Total North America	**24643**	**23221**	**22235**	**22697**	**22445**	**22006**	**22385**	**22483**	**22810**	**22961**	**23160**	**23692**	**23536**	-0.7%	0.2%	23.9%
Argentina	528	540	532	582	591	614	658	643	662	651	637	611	**599**	-2.0%	1.2%	0.6%
Brazil	2015	2096	2078	2271	2432	2509	2655	2721	2559	2436	2481	2377	**2398**	0.9%	1.3%	2.4%
Chile	377	390	383	343	371	376	362	353	355	377	364	374	**381**	1.9%	-0.4%	0.4%
Colombia	232	248	230	256	274	294	297	315	331	343	338	341	**347**	1.7%	3.2%	0.4%
Ecuador	183	188	191	220	226	233	247	260	254	239	237	255	**249**	-2.4%	3.1%	0.3%
Peru	156	173	178	186	215	207	219	216	237	250	248	257	**262**	1.9%	4.0%	0.3%
Trinidad & Tobago	43	45	44	45	42	40	45	41	45	47	44	42	**39**	-6.9%	-0.8%	♦
Venezuela	640	716	726	725	737	792	782	720	637	537	463	402	**356**	-11.6%	-5.6%	0.4%
Central America	344	343	342	347	366	369	372	386	419	434	443	444	**459**	3.5%	2.6%	0.5%
Other Caribbean	712	688	646	634	631	617	595	582	603	620	612	629	**615**	-2.3%	-0.9%	0.6%
Other South America	144	159	170	181	176	182	185	182	194	201	213	215	**220**	2.2%	3.1%	0.2%
Total S. & Cent. America	**5373**	**5586**	**5519**	**5791**	**6061**	**6234**	**6418**	**6420**	**6298**	**6136**	**6078**	**5946**	**5923**	-0.4%	0.6%	6.0%
Austria	265	262	250	262	245	245	253	243	242	250	254	258	**263**	2.0%	-0.2%	0.3%
Belgium	689	726	668	691	649	631	651	649	669	674	685	702	**683**	-2.7%	-0.3%	0.7%
Bulgaria	111	106	97	86	82	85	79	84	95	95	99	99	**104**	5.2%	-0.7%	0.1%
Croatia	95	91	89	76	72	65	63	65	68	68	73	71	**68**	-3.3%	-2.5%	0.1%
Cyprus	57	58	57	55	55	51	46	45	46	51	52	52	**52**	-0.2%	-1.1%	0.1%
Czech Republic	205	206	199	189	194	191	183	194	189	175	209	212	**213**	0.8%	0.3%	0.2%
Denmark	191	186	169	170	165	153	152	153	155	153	154	155	**159**	2.5%	-1.8%	0.2%
Estonia	31	30	27	28	27	32	31	29	29	29	30	30	**31**	3.6%	0.1%	♦
Finland	227	222	209	219	209	200	215	204	202	217	207	207	**193**	-6.8%	-0.7%	0.2%
France	1876	1832	1762	1703	1666	1610	1597	1543	1545	1529	1539	1538	**1530**	-0.5%	-1.7%	1.6%
Germany	2305	2434	2339	2373	2294	2276	2336	2273	2269	2307	2374	2260	**2281**	0.9%	-0.7%	2.3%
Greece	465	439	417	380	359	318	300	298	309	311	320	316	**328**	3.9%	-3.2%	0.3%
Hungary	167	159	149	141	151	139	139	154	164	161	173	184	**186**	0.7%	1.5%	0.2%
Iceland	18	16	15	15	14	14	15	16	17	19	21	22	**19**	-12.7%	3.1%	♦
Ireland	194	186	164	156	145	137	139	138	144	150	149	155	**156**	0.3%	-1.8%	0.2%
Italy	1736	1645	1536	1500	1443	1350	1246	1180	1227	1236	1249	1277	**1218**	-4.6%	-2.5%	1.2%
Latvia	36	35	32	36	33	33	33	34	35	36	37	35	**38**	9.0%	-0.1%	♦
Lithuania	57	61	52	54	52	53	52	51	55	60	62	66	**66**	0.1%	0.7%	0.1%
Luxembourg	60	60	56	59	60	58	57	55	54	54	57	60	**61**	1.7%	♦	0.1%
Netherlands	1026	972	935	957	962	916	889	856	826	843	818	844	**825**	-2.2%	-1.4%	0.8%
North Macedonia	21	19	20	19	20	19	19	19	20	22	21	21	**22**	8.1%	0.9%	♦
Norway	220	216	220	231	224	221	226	214	219	210	211	222	**207**	-7.1%	0.3%	0.2%
Poland	545	555	550	577	574	552	520	521	542	594	646	663	**670**	1.2%	1.8%	0.7%
Portugal	301	290	269	265	249	225	235	235	238	234	243	233	**250**	7.1%	-2.1%	0.3%
Romania	217	214	192	181	186	186	170	184	186	195	206	212	**224**	5.6%	-0.1%	0.2%
Slovakia	75	80	76	79	76	72	72	67	73	76	86	87	**83**	-4.5%	0.8%	0.1%
Slovenia	55	63	54	54	54	53	50	49	49	52	53	55	**51**	-6.1%	-1.4%	0.1%
Spain	1606	1544	1449	1413	1343	1251	1181	1176	1219	1262	1270	1297	**1298**	0.1%	-1.7%	1.3%
Sweden	353	331	317	315	295	292	292	286	280	291	289	276	**283**	2.7%	-1.8%	0.3%
Switzerland	241	255	260	242	234	238	249	224	226	214	219	212	**216**	2.2%	-1.9%	0.2%
Turkey	695	685	709	694	672	702	748	771	915	973	1022	987	**1005**	1.8%	3.7%	1.0%
Ukraine	308	299	282	267	278	267	256	219	193	204	208	207	**222**	7.3%	-3.6%	0.2%
United Kingdom	1746	1704	1627	1604	1573	1522	1505	1506	1552	1597	1610	1584	**1545**	-2.5%	-0.7%	1.6%
Other Europe	314	314	315	319	320	300	298	297	307	327	343	342	**346**	1.3%	0.9%	0.4%
Total Europe	**16509**	**16297**	**15561**	**15409**	**14976**	**14458**	**14296**	**14032**	**14360**	**14669**	**14991**	**14936**	**14896**	-0.3%	-0.9%	15.2%
Azerbaijan	91	74	73	72	89	92	101	99	100	98	99	104	**108**	4.1%	3.4%	0.1%
Belarus	163	160	181	149	172	210	143	163	139	136	136	147	**151**	2.7%	-0.8%	0.2%
Kazakhstan	227	238	200	211	243	245	260	262	295	305	317	340	**353**	3.8%	3.6%	0.4%
Russian Federation	2780	2861	2775	2878	3074	3119	3134	3298	3143	3219	3195	3282	**3317**	1.1%	1.4%	3.4%
Turkmenistan	111	114	106	118	125	129	137	143	145	143	144	149	**162**	8.7%	2.7%	0.2%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	94	93	89	76	71	63	60	57	53	49	47	45	**44**	-3.3%	-6.9%	♦
Other CIS	56	60	64	63	65	75	78	76	78	86	82	91	**93**	2.0%	4.1%	0.1%
Total CIS	**3523**	**3600**	**3487**	**3566**	**3838**	**3934**	**3914**	**4097**	**3952**	**4036**	**4021**	**4157**	**4227**	1.7%	1.5%	4.3%
Iran	1838	1927	1920	1788	1823	1859	2020	1901	1713	1764	1808	1835	**2018**	10.0%	-0.5%	2.1%
Iraq	490	481	536	570	629	666	716	681	683	760	724	705	**716**	1.7%	3.9%	0.7%
Israel	262	254	232	241	254	295	223	214	226	230	255	250	**254**	1.7%	-0.2%	0.3%
Kuwait	383	406	455	478	453	499	517	455	471	482	440	434	**427**	-1.7%	0.7%	0.4%
Oman	90	123	119	135	146	157	178	185	184	187	243	284	**295**	4.0%	8.8%	0.3%
Qatar	148	178	173	191	246	257	287	294	332	347	312	325	**346**	6.6%	6.2%	0.4%
Saudi Arabia	2407	2622	2914	3206	3295	3460	3451	3764	3883	3875	3838	3769	**3788**	0.5%	3.7%	3.9%
United Arab Emirates	576	603	606	654	735	773	852	880	957	1028	1012	1057	**1042**	-1.4%	5.8%	1.1%
Other Middle East	779	798	776	724	712	676	624	619	537	516	524	515	**529**	2.6%	-4.3%	0.5%
Total Middle East	**6973**	**7391**	**7730**	**7987**	**8293**	**8642**	**8868**	**8993**	**8987**	**9191**	**9156**	**9174**	**9416**	2.6%	2.2%	9.6%
Algeria	286	309	327	327	349	370	387	401	425	412	407	417	**454**	8.8%	3.1%	0.5%
Egypt	642	686	725	766	720	747	756	806	834	857	804	757	**743**	-1.8%	1.0%	0.8%
Morocco	211	231	234	258	275	277	282	272	268	275	290	286	**294**	2.8%	2.2%	0.3%
South Africa	539	511	507	538	542	552	561	555	578	546	546	557	**569**	2.3%	0.9%	0.6%
Eastern Africa	377	385	404	420	443	450	484	501	548	570	606	626	**645**	2.9%	5.0%	0.7%
Middle Africa	142	162	182	198	217	228	254	273	266	255	232	235	**240**	2.4%	3.8%	0.2%
Western Africa	443	504	511	543	547	572	587	552	564	627	689	727	**756**	4.0%	3.7%	0.8%
Other Northern Africa	349	363	387	391	262	330	347	357	318	292	303	318	**332**	4.3%	-1.3%	0.3%
Other Southern Africa	41	45	46	47	49	50	54	55	58	59	61	62	**63**	0.7%	3.3%	0.1%
Total Africa	**3030**	**3196**	**3322**	**3489**	**3405**	**3575**	**3712**	**3773**	**3859**	**3894**	**3938**	**3986**	**4096**	**2.8%**	**2.2%**	**4.2%**
Australia	925	921	916	907	959	991	1012	1021	985	992	1034	1054	**1046**	-0.8%	1.4%	1.1%
Bangladesh	76	77	72	81	104	110	108	120	127	138	156	178	**171**	-4.0%	8.7%	0.2%
China	7778	7904	8240	9390	9739	10170	10668	11134	11911	12248	12842	13375	**14056**	5.1%	5.4%	14.3%
China Hong Kong SAR	322	292	332	359	360	344	352	336	367	380	428	435	**408**	-6.0%	4.1%	0.4%
India	2997	3132	3298	3378	3542	3740	3781	3906	4230	4632	4860	5112	**5271**	3.1%	5.0%	5.4%
Indonesia	1318	1286	1317	1411	1589	1639	1662	1680	1558	1572	1660	1724	**1732**	0.5%	3.0%	1.8%
Japan	5013	4846	4389	4434	4435	4694	4508	4292	4138	4006	3971	3855	**3812**	-1.1%	-2.3%	3.9%
Malaysia	701	672	678	688	724	757	802	802	751	839	803	813	**829**	2.1%	1.9%	0.8%
New Zealand	155	156	150	150	154	151	153	156	163	166	174	175	**176**	0.5%	1.2%	0.2%
Pakistan	384	389	415	411	414	402	442	458	505	566	589	498	**446**	-10.5%	2.5%	0.5%
Philippines	294	282	294	307	292	301	316	336	384	413	445	450	**458**	1.9%	4.8%	0.5%
Singapore	921	973	1049	1157	1208	1202	1217	1259	1328	1372	1405	1431	**1404**	-1.8%	3.9%	1.4%
South Korea	2399	2308	2339	2370	2394	2458	2455	2454	2577	2771	2801	2781	**2760**	-0.8%	1.9%	2.8%
Sri Lanka	91	83	87	87	92	95	82	71	90	105	114	114	**123**	7.5%	3.3%	0.1%
Taiwan	1115	1010	1022	1043	950	950	981	1013	1021	1046	1038	1050	**998**	-4.9%	0.4%	1.0%
Thailand	1026	1003	1058	1104	1166	1225	1267	1270	1330	1364	1407	1432	**1453**	1.5%	3.6%	1.5%
Vietnam	283	300	305	332	361	371	398	409	452	470	487	506	**528**	4.4%	5.4%	0.5%
Other Asia Pacific	249	245	265	308	320	333	357	388	425	437	454	474	**506**	6.7%	6.8%	0.5%
Total Asia Pacific	**26050**	**25879**	**26228**	**27917**	**28802**	**29935**	**30560**	**31105**	**32344**	**33519**	**34669**	**35457**	**36178**	2.0%	3.2%	36.8%
Total World	**86100**	**85170**	**84083**	**86856**	**87820**	**88784**	**90152**	**90903**	**92610**	**94404**	**96013**	**97348**	**98272**	**0.9%**	**1.3%**	**100.0%**
of which: OECD	49160	47293	45155	45547	44976	44457	44465	44092	44700	45210	45747	46115	**45822**	-0.6%	-0.3%	46.6%
Non-OECD	36939	37877	38927	41308	42844	44327	45687	46811	47910	49194	50266	51233	**52450**	2.4%	3.1%	53.4%
European Union #	14727	14527	13779	13669	13258	12740	12526	12315	12507	12746	12996	12976	**12913**	-0.5%	-1.1%	13.1%

* Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of biogasoline (such as ethanol) and biodiesel are excluded while derivatives of coal and natural gas are included.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Notes: Differences between these world consumption figures and world production statistics are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.

Annual changes and shares of total are calculated using thousand barrels daily figures.

Contents

Oil: Consumption*

Million tonnes	1965	1966	1967	1968	1969	1970	1971	1972	1973
Canada	53.8	56.7	60.6	64.5	67.1	71.6	73.5	77.4	81.7
Mexico	14.8	15.5	16.6	18.1	19.1	20.5	21.8	24.5	26.2
US	551.3	578.9	601.0	642.8	678.5	705.7	729.6	788.9	833.1
Total North America	**620.0**	**651.1**	**678.2**	**725.3**	**764.7**	**797.8**	**824.9**	**890.8**	**941.0**
Argentina	22.0	22.8	23.3	23.8	24.7	22.1	23.6	23.6	23.7
Brazil	14.8	16.2	16.7	20.0	22.0	24.9	27.4	31.5	38.8
Chile	3.5	3.8	4.0	4.2	4.5	4.7	5.2	5.5	5.3
Colombia	3.8	4.4	4.4	4.9	4.7	5.3	5.5	6.3	6.0
Ecuador	0.7	0.7	0.7	0.9	0.9	1.1	1.2	1.2	1.4
Peru	3.8	4.7	4.7	4.7	4.7	4.9	4.9	4.2	4.9
Trinidad & Tobago	1.9	1.9	2.0	2.0	2.1	2.2	2.3	3.7	3.8
Venezuela	9.6	9.4	9.5	10.4	10.3	10.7	10.8	11.8	12.9
Central America	3.9	4.0	4.2	4.3	4.5	4.7	4.9	5.4	5.6
Other Caribbean	17.8	18.4	19.2	19.6	20.1	23.1	23.5	25.2	27.3
Other South America	2.3	2.4	2.5	2.6	2.8	2.9	3.2	3.7	3.7
Total S. & Cent. America	**84.1**	**88.6**	**91.3**	**97.6**	**101.3**	**106.7**	**112.5**	**122.1**	**133.3**
Austria	5.6	6.1	6.5	7.5	8.3	9.1	10.2	11.0	11.9
Belgium	15.9	16.3	17.9	20.9	24.1	26.2	26.9	29.1	30.6
Bulgaria	3.7	4.2	5.3	6.3	7.7	9.0	9.9	10.3	10.8
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	0.4	0.5	0.5	0.5	0.6	0.7	0.8	0.9	1.0
Czech Republic	4.0	4.4	4.9	5.4	5.8	7.0	7.7	8.4	9.5
Denmark	10.4	11.9	12.6	13.6	16.4	18.3	18.0	19.1	17.6
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	5.7	6.9	7.2	8.2	9.6	10.8	11.1	11.9	13.3
France	53.9	57.7	66.2	71.8	83.0	94.3	102.8	114.1	127.3
Germany	86.3	96.5	100.1	112.4	126.3	138.7	144.0	152.2	162.2
Greece	4.4	4.8	5.7	5.8	6.2	6.7	7.4	8.6	10.0
Hungary	3.8	4.1	4.4	4.6	5.1	5.9	6.7	7.3	8.2
Iceland	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7
Ireland	2.4	2.7	3.0	3.4	3.7	4.1	4.5	5.0	5.4
Italy	52.3	57.7	63.7	70.3	77.3	87.3	93.8	98.2	103.6
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	0.8	0.9	1.0	1.2	1.3	1.4	1.4	1.5	1.6
Netherlands	25.3	27.4	28.0	30.1	32.9	36.5	36.0	40.1	41.3
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	5.1	5.8	6.0	6.6	7.3	8.2	8.1	8.5	8.6
Poland	5.4	5.6	6.1	7.6	8.4	8.9	9.4	10.6	11.7
Portugal	2.6	2.6	2.9	3.1	3.3	4.5	5.1	5.6	6.1
Romania	7.1	7.4	8.4	8.9	9.9	10.7	10.9	11.6	13.1
Slovakia	2.3	2.5	2.8	3.1	3.3	4.0	4.4	4.8	5.4
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	14.2	16.8	20.3	21.6	24.6	28.1	30.9	32.5	39.1
Sweden	19.4	22.0	21.9	24.8	26.6	29.0	27.2	27.9	28.5
Switzerland	8.0	8.6	9.3	10.3	11.2	12.5	13.3	13.6	14.7
Turkey	3.6	4.2	5.0	6.0	6.7	7.1	8.4	9.5	11.7
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	75.0	80.3	86.2	91.1	97.9	103.9	104.5	110.8	113.6
Other Europe	4.1	4.8	5.9	6.9	7.4	8.8	11.1	11.6	12.6
Total Europe	**422.3**	**463.3**	**502.4**	**552.5**	**615.3**	**682.1**	**715.1**	**765.2**	**820.0**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	168.3	180.3	196.4	209.3	222.6	245.1	259.9	281.9	303.1
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**168.3**	**180.3**	**196.4**	**209.3**	**222.6**	**245.1**	**259.9**	**281.9**	**303.1**
Iran	7.1	7.8	8.6	9.4	10.3	11.1	12.1	13.5	16.2
Iraq	1.3	1.4	1.5	1.7	1.8	2.4	2.6	3.2	3.1
Israel	3.9	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.5
Kuwait	5.4	5.3	5.2	5.1	5.0	4.9	4.8	5.2	5.0

Oman	0.4	0.5	0.5	0.5	0.5	0.5	1.3	1.5	1.3
Qatar	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Saudi Arabia	19.6	19.7	19.9	20.1	20.3	21.0	21.3	22.7	24.1
United Arab Emirates	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3
Other Middle East	5.7	6.0	6.2	6.5	6.7	6.5	6.8	6.6	7.1
Total Middle East	**43.6**	**44.9**	**46.3**	**47.8**	**49.4**	**51.5**	**54.2**	**58.3**	**62.7**
Algeria	1.3	1.7	1.6	1.7	1.8	2.0	2.3	2.5	2.7
Egypt	6.9	7.4	6.1	6.3	4.7	6.1	6.3	7.2	6.7
Morocco	1.0	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.5
South Africa	5.6	6.1	6.6	7.2	7.9	8.6	9.4	10.2	11.3
Eastern Africa	5.5	5.8	6.1	6.3	6.7	7.0	8.4	8.7	9.1
Middle Africa	2.0	2.0	2.1	2.1	2.2	2.3	2.6	2.8	2.8
Western Africa	3.7	4.0	4.0	4.0	4.5	4.9	6.5	7.0	7.7
Other Northern Africa	1.4	1.5	1.7	1.9	2.1	2.3	2.1	2.5	3.2
Other Southern Africa	^	^	^	^	^	^	^	^	^
Total Africa	**27.4**	**30.0**	**29.6**	**31.3**	**31.7**	**35.0**	**39.6**	**42.9**	**46.2**
Australia	15.1	18.0	19.7	21.5	22.1	24.4	25.7	26.1	27.9
Bangladesh	n/a	n/a	n/a	n/a	n/a	n/a	0.7	0.8	0.9
China	11.0	14.1	13.9	15.2	20.4	28.2	38.4	44.2	53.8
China Hong Kong SAR	2.1	2.3	2.8	3.0	3.6	3.9	4.1	4.7	4.9
India	12.6	14.1	14.6	16.3	19.6	19.5	20.5	22.1	23.3
Indonesia	6.1	5.9	5.7	6.0	6.4	6.8	7.0	7.6	9.1
Japan	87.9	100.0	123.0	142.7	169.1	199.2	219.8	234.5	269.2
Malaysia	2.3	2.7	2.7	2.8	2.8	3.1	3.4	3.8	4.1
New Zealand	2.7	3.0	3.2	3.3	3.4	4.0	4.1	4.4	4.7
Pakistan	3.8	3.9	4.3	4.9	4.6	4.6	4.3	3.6	3.6
Philippines	4.2	4.6	5.1	5.9	6.3	7.2	8.3	8.2	9.6
Singapore	4.1	4.7	5.7	7.0	6.9	7.5	6.5	8.2	7.7
South Korea	1.3	1.9	3.3	4.9	6.7	8.4	9.5	9.9	12.2
Sri Lanka	0.5	0.5	0.5	0.5	0.5	1.0	0.9	1.0	1.0
Taiwan	2.2	2.6	3.1	3.6	4.4	5.3	7.4	8.0	10.2
Thailand	2.3	2.7	3.0	4.0	4.3	5.1	5.6	7.1	7.5
Vietnam	1.5	3.2	4.8	4.9	5.9	6.1	5.1	5.3	5.2
Other Asia Pacific	2.9	3.0	3.2	3.4	3.6	3.8	3.9	4.4	4.3
Total Asia Pacific	**162.5**	**187.2**	**218.5**	**250.0**	**290.5**	**337.9**	**375.2**	**403.7**	**459.2**
Total World	**1528.2**	**1645.2**	**1762.8**	**1913.8**	**2075.5**	**2256.1**	**2381.4**	**2564.9**	**2765.6**
of which: OECD	1141.4	1228.3	1317.9	1436.3	1564.6	1696.2	1776.6	1907.2	2048.2
Non-OECD	386.9	417.0	444.9	477.6	510.9	559.9	604.9	657.8	717.4
European Union #	401.2	439.6	476.0	522.4	582.6	645.3	674.0	721.7	772.1

* Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of biogasoline (such as ethanc

♦ Less than 0.05%.

n/a not available.

USSR includes CIS, Georgia, Ukraine and the Baltic States.

Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Notes: Differences between these world consumption figures and world production statistics are accounted for by stock changes, cons and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.

Annual changes and shares of total are calculated using million tonnes figures.

Contents

1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
83.0	81.1	85.4	86.3	88.0	91.5	90.1	84.2	75.4	70.5	71.2	71.2	71.4
29.7	32.8	36.2	37.4	42.0	45.0	50.2	54.8	56.6	55.2	58.5	60.9	61.5
799.7	783.5	841.3	888.3	869.5	851.3	788.1	734.3	694.1	688.9	713.0	709.9	739.9
912.4	**897.4**	**962.9**	**1011.9**	**999.5**	**987.8**	**928.4**	**873.3**	**826.0**	**814.6**	**842.7**	**842.0**	**872.8**
23.9	22.4	23.3	24.5	24.5	26.0	24.3	22.4	21.5	22.0	20.7	18.7	21.6
41.9	43.2	46.8	47.9	52.2	54.8	52.9	50.3	50.9	48.2	48.8	49.6	54.7
5.0	4.4	4.6	4.8	5.2	5.3	5.3	5.5	4.8	4.7	4.7	4.6	4.9
6.7	6.7	7.1	7.1	7.2	7.7	7.3	7.5	7.7	7.9	7.9	8.2	8.1
1.6	1.5	1.7	2.1	2.2	2.3	3.0	3.3	3.6	3.3	3.3	4.1	4.2
5.8	5.9	6.0	5.9	5.9	6.1	6.6	6.7	6.5	5.8	6.0	5.8	6.2
3.7	2.8	3.2	3.1	2.8	2.1	1.7	1.7	1.8	1.6	1.4	1.4	1.6
12.9	13.8	13.6	15.3	15.9	17.0	20.8	22.0	21.7	21.2	19.9	20.4	21.3
5.7	6.4	6.5	6.6	6.7	6.7	6.3	6.2	6.3	6.2	6.0	6.0	6.0
27.1	26.3	26.7	28.0	28.7	29.6	33.4	33.8	29.3	27.9	29.7	27.6	27.0
3.3	3.8	3.8	4.1	4.6	4.9	4.7	4.6	4.3	3.7	3.7	3.9	3.9
137.5	**137.2**	**143.4**	**149.5**	**155.9**	**162.5**	**166.2**	**164.0**	**158.5**	**152.5**	**152.1**	**150.4**	**159.4**
10.6	10.7	11.7	11.1	12.0	12.5	12.2	11.0	10.5	10.1	9.8	9.8	10.4
26.9	25.4	26.5	26.1	27.8	27.6	25.6	23.4	22.2	20.1	19.4	19.7	22.3
11.3	12.0	12.4	12.9	13.3	13.7	14.0	12.5	12.1	11.6	11.2	10.4	10.9
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0.9	0.7	0.7	0.8	0.8	0.9	0.9	0.8	1.0	1.1	1.1	1.1	1.1
9.7	10.7	11.3	11.9	12.3	12.5	11.6	11.4	10.4	10.2	10.8	10.6	10.2
16.0	15.7	16.7	16.7	16.7	15.9	13.6	12.8	11.0	10.4	10.3	10.6	10.5
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.4	3.4
11.6	11.9	12.8	12.5	12.5	13.3	12.8	12.3	11.3	10.5	10.6	10.8	11.3
121.0	110.4	119.5	114.6	119.0	118.3	109.9	99.0	91.5	89.4	85.9	84.3	86.0
147.0	142.6	154.0	152.5	158.1	163.2	147.3	133.4	125.9	123.1	122.5	126.3	133.3
9.4	9.9	10.6	10.8	11.7	12.4	12.4	11.9	11.9	11.4	11.7	12.0	12.2
8.9	10.0	10.5	11.2	12.4	11.6	11.3	10.8	10.2	9.7	10.1	10.3	9.5
0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
5.4	5.2	5.3	5.7	6.0	6.4	5.7	5.1	4.4	4.0	3.9	3.9	4.9
100.8	94.5	98.8	96.1	99.8	103.2	97.9	95.7	90.7	89.2	84.9	84.4	86.5
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5.7	4.8
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	8.7	7.3
1.5	1.3	1.4	1.4	1.4	1.3	1.1	1.0	1.0	1.0	1.0	1.0	1.1
35.4	34.8	39.2	37.6	38.4	41.5	38.8	36.2	31.5	29.7	29.4	29.6	32.8
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7.8	8.1	9.0	8.8	9.9	9.8	9.4	8.7	8.4	8.3	8.6	9.0	9.7
12.4	13.5	14.9	15.9	17.1	17.4	17.1	16.1	15.2	15.7	16.1	16.4	16.9
6.5	6.8	7.2	7.1	7.4	7.9	8.4	9.0	9.4	9.5	9.4	9.1	9.7
12.1	13.7	15.2	16.5	18.4	19.6	18.6	16.7	16.4	14.6	14.0	15.0	16.2
5.6	6.2	6.5	6.8	7.0	7.2	6.7	6.6	6.0	5.9	6.2	6.2	6.0
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
41.1	42.7	48.3	45.5	46.4	49.1	52.2	50.4	47.8	47.8	44.8	42.9	42.7
25.6	25.5	28.2	27.3	33.1	35.7	31.5	28.3	26.3	22.8	21.7	23.4	24.9
13.0	12.5	13.0	13.1	13.4	12.9	12.8	11.9	11.2	12.3	11.8	12.0	13.2
11.3	12.5	14.1	15.9	16.9	15.1	15.4	15.2	16.2	17.0	17.0	17.8	19.2
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	64.3	64.5
105.5	92.2	91.6	92.3	94.3	94.7	80.9	74.7	75.6	72.5	89.7	77.5	77.5
14.1	13.9	14.8	16.1	17.6	18.9	17.4	16.0	16.4	17.5	16.4	22.9	23.9
771.9	**744.2**	**794.8**	**787.7**	**824.3**	**843.1**	**785.9**	**731.4**	**695.0**	**675.8**	**678.8**	**759.6**	**783.2**
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	8.3	8.6
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	25.4	30.0
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	20.7	18.9
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	247.4	250.4
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.9	3.5
333.1	348.8	358.4	372.1	394.8	401.9	421.5	425.3	422.3	416.3	416.5	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11.6	11.9
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	14.8	14.0
333.1	**348.8**	**358.4**	**372.1**	**394.8**	**401.9**	**421.5**	**425.3**	**422.3**	**416.3**	**416.5**	**332.9**	**337.4**
18.7	21.8	24.7	28.7	28.8	30.2	27.9	27.7	30.2	36.7	39.7	43.6	40.3
3.1	3.1	3.8	4.5	4.2	5.1	6.8	7.3	7.5	8.6	9.4	11.0	11.8
5.6	5.8	6.1	6.4	6.8	7.5	8.0	8.2	7.9	7.4	6.9	6.5	6.7
4.6	3.6	4.2	4.1	4.4	4.9	4.2	5.7	6.6	7.2	7.6	7.5	7.8

1.2	1.1	1.3	1.2	1.2	1.2	0.9	0.9	1.3	1.0	1.6	1.4	1.0
0.2	0.2	0.3	0.4	0.4	0.4	0.7	0.8	1.0	1.1	1.3	1.8	2.2
25.3	19.3	22.5	26.0	28.1	34.0	27.7	33.4	37.2	41.2	46.0	46.8	46.0
0.4	0.6	0.9	1.4	1.5	2.1	5.1	5.6	6.2	6.2	7.1	8.9	10.7
7.6	8.4	9.4	10.4	10.9	12.6	12.5	13.4	15.1	16.3	17.7	18.0	17.7
66.7	**64.0**	**73.3**	**83.1**	**86.3**	**98.0**	**93.7**	**102.8**	**113.0**	**125.8**	**137.3**	**145.5**	**144.1**
3.0	3.4	3.9	4.4	4.5	5.4	5.5	5.9	6.2	7.0	7.8	8.0	8.1
7.4	8.2	9.7	10.4	10.7	11.8	13.2	15.2	17.2	19.0	20.5	20.8	20.9
2.7	2.8	3.1	3.5	3.7	4.2	4.3	4.2	4.5	4.5	4.7	4.7	4.6
11.0	11.7	11.8	11.7	12.3	11.7	12.0	13.0	13.1	13.3	14.4	14.1	13.6
9.1	8.8	8.8	9.0	8.8	8.9	9.3	9.0	8.7	8.6	8.7	8.9	9.5
3.0	2.9	3.0	3.2	3.7	3.8	3.8	4.0	3.7	4.3	3.8	4.3	4.1
7.9	8.6	10.5	11.3	12.1	13.7	14.5	14.7	15.5	14.6	13.3	13.9	12.9
3.5	3.6	4.6	5.3	5.8	6.3	7.1	7.9	8.6	9.1	8.8	9.2	8.9
^	^	^	^	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
47.8	**50.0**	**55.4**	**58.7**	**61.7**	**65.9**	**69.7**	**74.1**	**77.8**	**80.5**	**82.2**	**84.0**	**82.8**
29.5	29.1	29.8	31.2	31.2	31.8	30.4	29.4	29.5	29.0	30.4	28.9	29.6
1.0	1.1	1.2	1.2	1.3	1.4	1.6	1.7	1.7	1.5	1.5	1.7	1.8
61.9	68.3	78.0	82.4	91.3	91.1	86.7	82.2	81.3	83.0	86.0	89.7	95.4
5.0	4.7	5.5	6.0	6.2	6.3	6.5	6.9	6.7	5.9	5.5	5.2	5.0
22.8	23.3	24.6	26.4	28.7	31.0	31.6	34.0	35.4	37.2	39.9	43.3	45.5
9.5	10.9	11.7	13.8	15.1	16.5	18.4	20.6	21.4	21.0	22.1	21.8	23.8
259.0	244.1	253.5	260.5	266.5	269.2	241.5	227.8	211.6	211.4	222.1	210.1	212.1
4.1	4.3	4.8	5.5	5.9	7.2	8.2	8.7	9.1	9.7	9.5	9.5	9.1
4.5	4.3	4.5	4.5	4.3	4.3	4.1	3.9	3.9	3.7	3.8	3.6	3.2
3.9	4.1	4.1	4.3	4.5	4.8	5.0	5.3	5.9	6.5	7.0	7.5	8.1
9.0	9.7	10.0	10.9	11.2	11.6	10.9	10.2	9.8	10.3	8.4	7.4	7.8
7.6	7.4	8.8	8.8	9.0	9.6	9.6	11.0	10.7	11.4	11.9	12.1	14.1
12.6	14.2	15.9	19.0	21.7	24.4	24.1	23.9	23.7	24.7	24.8	26.1	28.4
0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.2	1.3	1.5	1.2	1.1	1.1
9.2	10.6	13.7	15.1	17.7	17.7	18.4	16.1	15.5	15.8	15.4	18.9	20.8
7.7	8.3	8.7	9.8	11.0	11.1	11.6	11.0	10.0	11.2	11.6	11.0	11.5
3.2	3.0	0.8	0.8	1.0	1.1	1.9	1.7	1.7	2.0	1.9	1.9	2.2
4.8	4.7	5.0	5.1	5.9	6.5	7.3	7.6	7.4	7.5	7.1	8.0	8.3
455.9	**452.9**	**481.4**	**506.0**	**533.5**	**546.7**	**518.9**	**503.3**	**486.6**	**493.2**	**510.2**	**507.9**	**527.9**
2725.3	**2694.4**	**2869.7**	**2969.0**	**3056.1**	**3105.9**	**2984.2**	**2874.3**	**2779.3**	**2758.7**	**2819.8**	**2822.5**	**2907.6**
1962.3	1903.3	2029.0	2079.5	2109.4	2120.2	1977.0	1857.4	1756.7	1726.5	1771.5	1767.8	1824.3
763.0	791.1	840.6	889.5	946.7	985.7	1007.2	1016.9	1022.6	1032.2	1048.3	1054.7	1083.3
725.3	697.0	743.7	733.5	766.2	786.2	730.7	679.5	642.7	620.6	624.8	633.4	652.5

ɔl) and biodiesel are excluded while derivatives of coal and natural gas are included.

ɜumption of non-petroleum additives and substitute fuels

1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
74.1	78.0	81.0	79.8	75.3	76.8	77.1	78.4	81.1	83.5	86.7	88.6	90.0
64.6	64.4	68.9	72.0	74.8	75.6	75.4	81.5	75.8	77.6	80.3	84.5	83.7
754.8	786.6	785.9	769.3	752.0	768.4	774.2	794.4	791.7	820.9	831.5	846.7	870.4
893.6	**929.0**	**935.8**	**921.1**	**902.2**	**920.8**	**926.7**	**954.3**	**948.6**	**982.0**	**998.5**	**1019.8**	**1044.1**
23.0	23.0	20.9	19.7	20.2	21.3	21.1	20.3	20.3	21.1	21.1	21.6	20.1
56.3	57.3	57.6	56.8	57.5	62.3	64.7	69.0	72.0	76.6	82.2	85.7	86.8
5.1	5.6	6.2	6.6	7.4	8.0	8.7	9.3	10.3	10.9	11.7	12.0	12.1
8.5	9.0	9.2	9.3	9.6	10.5	11.2	11.6	12.2	12.6	12.8	12.5	11.1
4.2	5.0	5.2	5.3	6.0	5.9	6.0	6.5	6.4	7.2	8.2	8.3	7.2
6.7	6.6	5.8	5.8	5.4	5.6	5.9	6.4	7.3	7.5	7.8	7.5	7.7
1.0	0.9	0.8	1.3	1.2	1.7	1.5	1.1	1.3	1.5	0.8	1.0	1.8
20.2	20.9	20.4	20.6	19.5	23.4	21.0	23.7	22.6	18.2	19.7	22.1	23.8
6.5	6.3	6.5	6.7	7.4	8.4	8.9	9.8	10.8	10.6	11.5	13.1	12.9
27.9	28.1	29.7	29.1	28.5	27.1	27.4	29.0	29.0	30.1	32.0	33.0	31.6
4.0	4.4	4.4	4.1	4.3	4.5	4.7	5.2	5.9	6.1	6.2	6.3	6.9
163.4	**167.1**	**166.9**	**165.5**	**166.8**	**178.9**	**181.1**	**191.9**	**198.1**	**202.4**	**214.0**	**223.1**	**222.0**
10.7	10.6	10.4	10.8	11.7	11.4	11.5	11.3	11.3	11.7	11.9	12.4	12.1
22.4	23.1	22.7	24.2	26.0	26.4	26.0	28.2	27.9	30.3	31.0	31.4	30.3
10.5	11.1	10.8	9.9	6.7	5.9	6.4	6.1	6.2	5.8	4.5	4.8	4.4
n/a	n/a	n/a	4.6	3.2	3.2	3.4	3.5	3.9	3.7	4.0	4.5	4.4
1.3	1.4	1.5	1.6	1.6	1.9	2.0	1.9	2.1	2.1	2.1	2.3	2.5
10.3	9.9	9.4	8.4	7.1	6.8	6.9	7.0	8.0	8.3	7.9	8.2	8.1
9.6	9.6	9.2	9.0	9.2	9.1	9.5	10.1	10.6	11.5	11.1	10.7	10.6
3.4	3.5	3.6	3.5	3.1	1.7	1.8	1.7	1.3	1.4	1.4	1.4	1.2
11.2	11.0	11.0	11.4	11.2	11.1	10.7	11.1	10.1	10.5	10.3	10.8	10.9
86.6	86.0	88.4	89.4	94.6	94.4	91.0	88.1	88.9	90.7	91.3	94.7	96.1
129.5	129.4	121.6	127.3	133.1	134.3	136.3	135.1	135.1	137.3	136.4	136.5	132.3
13.2	13.7	15.0	16.1	16.3	16.5	16.9	17.3	18.1	18.8	19.0	19.9	19.4
10.0	9.2	8.9	9.3	8.0	8.1	7.7	8.1	7.7	7.0	7.1	7.4	7.1
0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
4.3	3.8	4.0	4.4	4.8	5.1	5.1	5.6	5.7	6.0	6.6	7.4	8.3
90.1	91.7	93.8	93.6	92.4	94.5	92.6	92.5	95.5	94.2	94.6	94.7	94.4
3.9	3.5	3.5	3.3	3.2	2.5	2.2	2.1	1.9	2.0	1.7	1.7	1.6
8.0	7.7	7.9	7.5	8.3	4.3	3.8	3.5	3.2	3.3	3.3	3.8	3.1
1.3	1.3	1.4	1.6	1.8	1.9	1.9	1.9	1.8	1.8	1.9	2.0	2.1
33.0	35.1	34.6	35.9	34.6	36.2	35.8	35.5	37.4	37.5	39.0	39.4	40.2
n/a	n/a	n/a	1.1	1.0	1.0	1.1	0.9	0.8	1.2	1.0	0.9	0.9
9.6	9.0	9.1	8.7	8.1	8.3	8.8	9.0	8.9	9.5	9.7	9.7	9.6
17.1	17.5	17.3	15.8	14.9	13.6	14.0	14.8	14.9	17.5	18.2	20.8	21.8
9.4	9.8	12.4	11.3	11.8	13.1	12.3	12.2	13.9	13.2	14.2	15.6	16.2
17.8	16.6	17.2	18.7	15.6	12.7	12.1	11.2	13.5	13.0	13.7	12.0	9.5
5.9	5.7	5.7	5.0	4.4	3.9	3.2	3.3	3.2	3.4	3.4	3.8	3.4
n/a	n/a	n/a	1.7	1.6	1.6	1.9	2.0	2.2	2.5	2.5	2.4	2.5
44.7	45.8	48.1	46.7	47.8	54.0	51.4	54.0	57.7	59.4	61.8	66.8	69.0
21.4	19.9	19.2	19.2	16.4	17.3	17.0	18.0	17.1	18.3	17.2	19.4	18.7
12.4	12.4	11.9	12.8	13.0	13.1	12.3	12.7	11.8	12.2	12.8	13.0	12.6
21.6	23.1	21.6	22.9	22.4	23.6	27.1	25.8	29.0	30.3	29.8	29.8	29.6
67.1	61.6	58.8	63.8	58.1	42.9	25.0	19.9	19.0	14.3	13.9	14.4	12.8
75.2	80.0	81.8	83.0	82.6	83.7	84.2	83.2	82.2	84.2	81.7	81.2	79.9
24.0	25.8	24.7	16.8	13.0	10.1	8.9	8.2	8.0	9.2	10.1	9.6	8.7
786.0	**789.4**	**786.2**	**799.8**	**788.3**	**774.7**	**751.4**	**747.0**	**759.4**	**773.1**	**775.8**	**794.2**	**785.2**
8.1	8.3	8.1	8.5	8.2	8.0	8.0	7.3	6.6	5.9	5.6	5.9	5.7
29.7	28.7	26.9	24.9	24.1	20.5	14.5	11.8	10.7	10.6	9.2	8.7	8.0
18.2	18.3	18.7	21.5	21.7	20.3	15.7	12.3	12.0	10.2	10.2	8.5	7.0
252.5	250.6	255.3	251.7	245.3	235.0	196.2	172.9	150.6	129.6	128.4	123.1	125.7
3.5	3.5	3.5	4.6	5.2	5.0	2.9	2.9	2.6	3.1	3.0	3.8	4.2
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
11.3	13.9	13.3	10.1	10.7	8.7	9.2	7.9	6.7	6.6	7.0	6.9	7.1
13.9	13.9	13.2	13.8	10.3	8.2	5.1	2.4	2.2	2.0	2.0	1.9	1.6
337.3	**337.3**	**339.1**	**335.3**	**325.5**	**305.8**	**251.6**	**217.5**	**191.4**	**167.9**	**165.4**	**158.9**	**159.2**
42.0	44.3	47.5	49.3	52.3	55.6	60.4	62.8	62.9	65.5	67.6	65.0	65.5
12.2	13.3	14.9	14.8	11.0	17.5	24.6	28.2	27.4	28.6	34.5	22.9	16.4
7.6	8.4	8.6	8.9	9.1	9.6	9.9	11.0	12.4	12.4	11.7	12.4	13.2
7.7	7.5	7.6	3.3	3.5	4.9	5.1	6.9	7.1	6.9	7.5	10.5	11.7

1.1	1.0	1.3	2.0	3.4	3.0	2.9	2.5	2.7	2.6	2.3	2.3	3.0
2.3	1.5	1.7	1.7	1.5	1.5	1.6	1.7	1.7	1.9	2.0	2.0	2.0
48.8	50.1	48.1	51.2	53.5	51.8	52.1	63.0	60.2	62.2	63.2	67.4	69.9
11.7	14.0	14.7	15.4	19.1	19.2	19.9	20.9	20.8	20.2	20.5	20.4	19.9
19.1	19.1	18.9	19.9	21.5	21.7	22.2	22.9	24.6	24.7	26.0	27.0	27.2
152.4	**159.2**	**163.3**	**166.5**	**174.8**	**184.9**	**198.7**	**219.7**	**219.9**	**224.8**	**235.3**	**229.9**	**228.7**
8.2	8.2	8.6	9.2	9.1	9.1	9.1	8.7	8.4	8.1	8.0	8.2	8.1
21.7	22.0	22.9	23.8	23.4	22.7	21.6	21.5	23.3	24.6	26.0	27.3	27.8
4.6	4.9	5.4	5.5	5.5	6.5	6.6	7.2	6.8	6.4	6.8	6.8	7.4
14.4	15.9	16.4	16.6	16.7	17.3	18.0	18.8	20.0	20.7	21.0	21.3	21.6
9.6	10.5	10.9	11.1	10.8	10.9	11.2	11.8	12.1	12.5	12.7	12.9	13.6
4.2	4.4	4.5	4.1	3.9	3.9	4.0	4.0	3.9	3.9	4.0	3.8	4.0
13.8	14.3	14.7	14.2	15.2	16.6	16.4	16.4	16.5	17.5	17.4	17.6	18.8
10.3	10.5	10.5	10.6	10.8	10.5	11.6	12.5	13.1	13.2	13.7	14.3	14.9
0.3	0.3	0.4	0.6	1.0	1.1	1.1	1.1	1.3	1.3	1.4	1.4	1.5
87.0	**90.9**	**94.3**	**95.7**	**96.4**	**98.6**	**99.7**	**101.9**	**105.5**	**108.2**	**111.1**	**113.7**	**117.8**
30.2	31.6	32.7	33.2	32.3	32.4	34.1	35.3	36.5	37.0	37.7	37.6	38.8
1.8	1.8	1.9	1.9	1.7	1.9	2.2	2.2	2.9	3.0	3.4	3.8	3.4
101.3	108.8	113.9	112.9	121.9	132.4	145.8	148.1	160.2	175.7	192.2	197.1	209.3
4.9	5.6	6.0	6.3	6.3	8.1	8.4	8.9	9.6	9.4	9.3	8.9	9.5
47.0	51.5	55.8	57.9	58.8	61.9	62.5	67.2	75.0	80.8	86.2	92.3	100.7
24.8	26.0	27.5	31.7	33.6	36.2	38.0	39.1	41.5	44.1	48.9	46.5	48.7
213.1	229.5	238.4	246.5	250.0	256.0	250.3	264.9	269.1	270.5	267.1	256.2	260.7
9.3	10.1	10.5	12.6	13.6	14.9	16.4	18.0	18.9	20.6	23.9	20.3	22.3
3.9	3.8	3.8	4.3	4.3	4.4	4.5	5.1	5.6	5.7	6.0	6.1	6.1
8.8	9.5	10.2	10.7	11.3	12.3	13.5	14.4	15.7	16.5	17.0	17.6	18.2
9.1	9.8	11.0	11.5	11.1	13.7	14.1	14.9	16.8	17.5	18.8	19.1	18.0
14.8	17.1	19.6	23.3	23.7	24.6	26.6	30.6	32.0	32.3	34.0	34.4	34.0
29.8	35.6	41.0	49.5	59.9	72.3	79.3	87.0	94.8	101.4	111.4	93.9	100.7
1.3	1.3	1.2	1.3	1.3	1.6	1.5	1.7	1.8	2.3	2.5	2.6	2.9
21.7	24.9	27.7	28.6	29.7	30.4	32.6	34.4	37.2	37.3	38.8	40.1	43.2
12.6	14.2	16.7	20.1	21.5	24.2	27.9	31.2	34.0	37.4	37.7	34.5	36.7
2.5	2.6	2.4	2.9	2.8	3.1	3.9	4.4	4.8	5.5	6.3	7.0	7.6
8.1	8.1	8.0	8.6	7.9	7.4	7.7	7.7	8.2	8.8	8.9	9.4	9.0
544.9	**592.0**	**628.3**	**663.6**	**691.7**	**737.9**	**769.3**	**815.3**	**864.5**	**905.8**	**949.9**	**927.2**	**969.9**
2964.5	**3065.0**	**3113.9**	**3147.4**	**3145.6**	**3201.4**	**3178.6**	**3247.6**	**3287.4**	**3364.2**	**3449.9**	**3466.8**	**3526.8**
1848.6	1916.4	1939.7	1953.4	1954.2	2000.5	2006.1	2062.2	2083.1	2143.7	2170.4	2183.6	2217.7
1115.9	1148.5	1174.2	1194.0	1191.4	1200.9	1172.5	1185.4	1204.3	1220.5	1279.5	1283.2	1309.1
651.2	657.4	659.9	673.5	672.8	675.6	668.3	670.5	682.1	696.4	698.6	716.9	711.0

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
90.1	91.3	93.8	97.3	100.8	100.0	98.7	101.6	100.4	94.4	101.6	104.2	101.2
87.7	86.2	82.3	84.7	88.2	90.5	89.3	92.7	92.5	89.3	89.4	91.0	92.9
878.2	877.9	877.7	891.5	925.2	926.8	914.5	908.4	847.4	801.3	813.3	796.1	778.2
1056.0	**1055.4**	**1053.8**	**1073.5**	**1114.2**	**1117.2**	**1102.5**	**1102.7**	**1040.2**	**985.1**	**1004.3**	**991.3**	**972.2**
20.3	19.6	18.1	18.6	19.5	20.8	21.8	24.2	24.9	24.3	27.5	27.4	28.6
85.8	87.9	86.1	83.5	86.2	88.4	90.1	93.9	98.2	97.4	106.1	112.8	115.8
11.8	11.2	11.7	11.3	12.0	12.5	13.9	17.9	18.6	18.2	16.0	17.6	17.5
10.9	10.2	10.0	10.4	10.4	10.9	10.7	10.6	11.5	10.5	11.8	12.6	13.7
6.5	6.8	6.7	6.9	7.2	7.9	8.3	8.5	8.7	8.9	10.3	10.5	10.9
7.5	7.1	7.0	6.6	7.3	7.3	6.9	7.2	8.0	8.3	8.5	9.9	9.3
1.7	1.6	1.8	1.7	1.9	1.7	1.8	2.1	2.2	2.1	2.2	2.1	2.0
23.9	27.0	28.2	24.1	26.0	28.3	31.5	29.7	33.8	34.2	34.1	34.6	37.2
13.4	14.3	14.3	14.9	15.3	15.2	16.1	17.0	17.0	16.8	17.0	18.0	18.2
35.9	36.4	36.6	36.1	36.4	36.7	37.2	35.7	34.5	31.9	31.5	31.4	30.9
5.8	5.7	5.6	6.0	6.4	6.3	6.3	6.8	7.5	8.0	8.6	8.2	8.5
223.5	**227.7**	**226.1**	**220.2**	**228.8**	**235.8**	**244.6**	**253.5**	**265.1**	**260.7**	**273.6**	**285.1**	**292.6**
11.8	12.9	13.1	14.2	13.8	13.8	13.8	12.9	12.8	12.2	12.7	11.9	11.9
31.2	31.6	31.9	33.6	33.9	33.7	33.7	34.1	35.7	32.0	33.1	30.9	29.9
4.2	4.5	4.6	4.8	4.7	5.1	5.3	5.2	5.0	4.6	4.2	3.9	4.1
3.9	4.0	4.2	4.7	4.4	4.6	4.6	4.7	4.5	4.4	3.7	3.5	3.2
2.6	2.6	2.5	2.7	2.6	3.0	2.9	3.0	3.0	3.0	2.9	2.8	2.6
7.9	8.3	8.1	8.6	9.5	9.9	9.8	9.7	9.8	9.4	8.9	9.1	8.9
10.3	9.9	9.6	9.2	9.1	9.1	9.3	9.4	9.2	8.2	8.3	8.1	7.5
1.1	1.3	1.4	1.4	1.4	1.4	1.5	1.6	1.5	1.3	1.4	1.3	1.6
11.0	10.7	11.2	11.5	10.7	11.1	10.7	10.9	10.6	9.9	10.4	9.9	9.4
94.6	95.1	92.5	92.7	93.6	92.4	92.2	89.8	88.1	84.6	81.6	79.9	77.1
129.5	131.2	126.9	124.3	122.9	120.4	120.3	108.8	115.6	110.6	112.0	108.4	107.7
20.2	20.6	20.8	21.6	21.3	21.5	22.6	22.9	21.7	20.5	18.6	17.6	15.6
6.8	6.7	6.4	6.1	6.3	7.4	7.7	7.7	7.3	6.9	6.5	6.9	6.4
0.8	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.7	0.7	0.7	0.7
8.3	9.0	8.8	8.5	8.9	9.3	9.3	9.4	9.0	7.9	7.5	6.9	6.6
93.5	92.8	92.9	92.1	89.4	86.5	86.5	83.8	79.6	73.8	71.5	69.0	64.5
1.3	1.5	1.5	1.5	1.6	1.7	1.6	1.7	1.7	1.5	1.7	1.6	1.6
2.4	2.7	2.5	2.4	2.6	2.8	2.8	2.7	3.0	2.6	2.6	2.6	2.6
2.3	2.4	2.5	2.6	3.0	3.1	2.9	2.9	2.9	2.7	2.8	2.9	2.8
40.8	42.8	42.9	42.9	44.8	47.7	47.6	48.7	46.3	44.2	44.9	45.7	43.3
1.0	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.9	1.0	0.9	1.0	0.9
8.9	10.1	9.7	10.0	9.8	9.8	10.0	10.0	9.9	10.0	10.4	10.1	10.0
20.0	19.5	19.9	20.2	21.5	22.3	24.1	24.9	25.6	25.4	26.8	26.7	25.7
15.8	15.9	16.3	15.3	15.6	16.2	14.3	14.4	14.0	13.0	12.6	11.9	10.8
10.0	10.6	10.6	9.4	10.9	10.5	10.3	10.3	10.3	9.0	8.6	8.9	9.0
3.4	3.2	3.5	3.3	3.2	3.8	3.4	3.6	3.8	3.6	3.8	3.7	3.5
2.3	2.4	2.3	2.4	2.5	2.5	2.7	2.6	3.0	2.6	2.6	2.6	2.5
69.9	73.0	73.6	75.9	78.3	79.0	79.7	80.0	77.3	72.4	70.5	67.2	62.9
16.0	16.2	16.5	17.8	17.0	17.1	17.2	16.8	15.9	15.3	15.2	14.1	13.9
12.2	13.1	12.4	12.1	12.0	12.2	12.6	11.3	12.1	12.2	11.4	11.0	11.2
31.0	28.8	30.9	30.5	31.1	30.7	32.0	32.6	32.1	32.6	31.8	31.1	33.1
12.1	13.5	13.3	13.6	14.3	13.7	14.2	14.4	14.2	13.5	12.6	13.1	12.5
78.8	78.7	78.2	78.7	81.0	83.9	83.1	80.4	78.8	74.9	74.0	72.8	70.8
9.6	11.2	12.0	13.2	14.1	14.7	15.0	15.8	15.8	15.8	16.1	16.1	15.2
775.4	**788.3**	**785.1**	**789.7**	**797.8**	**802.5**	**805.6**	**788.8**	**781.7**	**742.3**	**733.5**	**713.5**	**689.8**
6.3	4.0	3.7	4.3	4.6	5.4	4.8	4.5	3.6	3.3	3.3	4.0	4.2
7.9	7.7	8.0	8.2	8.2	7.6	8.8	8.1	8.0	9.2	7.4	8.5	10.4
7.7	7.7	7.9	8.6	9.0	9.2	9.9	10.9	11.3	9.3	9.8	11.5	11.5
123.2	127.1	122.1	126.5	124.7	125.0	130.4	130.0	133.6	128.2	133.3	142.2	144.6
4.0	3.8	4.3	5.0	4.9	5.0	4.8	5.1	5.2	5.0	5.5	5.8	6.0
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7.1	6.8	6.7	7.3	7.5	5.1	5.1	4.7	4.6	4.3	3.6	3.4	3.0
1.4	1.5	1.5	1.7	1.9	2.0	2.2	2.7	2.9	3.0	3.0	3.1	3.4
157.7	**158.6**	**154.2**	**161.5**	**160.8**	**159.3**	**166.2**	**165.9**	**169.1**	**162.4**	**165.9**	**178.4**	**183.2**
67.7	68.1	68.4	69.2	71.2	78.6	85.7	87.9	92.0	91.0	82.5	84.2	86.0
21.9	25.3	23.8	22.6	24.4	22.9	23.6	22.6	22.4	25.6	27.3	30.0	32.0
13.5	12.5	12.4	12.6	11.8	12.2	11.7	12.3	12.0	10.8	11.2	11.8	13.9
11.8	12.2	13.2	15.6	17.8	19.5	17.7	17.9	19.0	20.4	21.1	19.5	21.8

3.2	3.5	4.2	4.0	3.9	4.3	4.5	4.3	5.9	5.6	6.3	6.6	7.2
1.7	2.1	2.7	2.8	3.0	3.6	4.6	5.2	6.3	6.0	6.5	8.0	8.2
72.1	75.9	78.2	82.9	89.6	94.2	98.4	104.4	114.4	125.9	136.6	139.1	146.1
19.7	19.4	20.0	22.2	24.0	25.0	26.9	28.7	30.2	29.4	31.3	33.8	35.2
27.5	28.2	28.9	29.7	31.6	35.5	36.1	37.7	38.8	37.4	34.8	34.1	32.3
239.0	**247.3**	**251.8**	**261.6**	**277.2**	**295.8**	**309.2**	**321.1**	**340.9**	**352.1**	**357.5**	**367.1**	**382.8**
8.5	8.8	9.7	10.1	10.6	11.0	11.5	12.9	14.0	14.9	14.8	15.8	16.8
27.2	26.1	25.2	25.9	26.8	29.8	28.7	30.6	32.6	34.4	36.3	33.7	35.3
6.9	6.9	7.2	7.2	8.6	9.4	9.5	9.9	10.9	11.0	12.3	13.1	13.2
22.0	22.5	23.1	23.9	24.8	24.8	25.3	25.8	24.4	24.1	25.6	25.7	26.3
13.7	14.4	14.6	14.7	16.0	16.7	17.7	18.1	18.6	19.5	20.3	21.3	21.5
4.4	4.7	4.8	5.4	5.7	5.3	6.0	6.8	7.7	8.7	9.4	10.4	11.0
18.4	19.2	20.2	19.8	20.7	21.6	20.2	20.7	23.4	23.6	25.0	25.3	26.5
15.7	15.6	15.5	16.4	16.4	17.6	18.3	16.8	17.5	18.6	18.8	12.4	15.8
1.5	1.7	1.6	1.7	1.7	1.8	1.8	1.9	2.1	2.1	2.2	2.3	2.4
118.3	**119.8**	**122.0**	**125.1**	**131.2**	**138.0**	**138.9**	**143.4**	**151.3**	**156.9**	**164.6**	**160.0**	**168.8**
38.6	38.8	38.7	38.6	39.7	39.4	42.7	42.1	42.2	42.0	41.6	44.4	46.1
3.3	4.0	4.0	4.1	3.9	3.9	3.9	3.7	3.8	3.5	3.9	5.1	5.4
224.2	229.1	247.9	276.3	322.6	327.9	351.8	369.2	376.3	391.0	446.3	462.4	484.2
9.9	11.8	12.8	12.9	15.3	13.8	14.9	16.0	14.5	16.5	17.8	17.9	17.2
106.1	106.9	114.1	117.3	120.3	122.9	129.4	139.2	145.8	153.9	156.6	164.0	174.6
54.8	55.5	57.5	58.3	62.1	61.5	58.5	61.8	60.1	60.8	64.7	73.1	75.2
257.0	248.8	244.4	250.3	243.8	247.1	238.0	230.9	224.8	200.4	202.4	203.4	217.4
22.4	23.3	26.0	27.6	28.0	28.0	28.9	30.8	29.4	29.2	29.2	31.5	32.8
6.3	6.3	6.5	6.9	6.9	7.1	7.2	7.2	7.3	7.0	7.0	7.2	7.1
18.8	18.5	18.0	15.9	16.0	15.2	17.6	19.1	19.4	20.7	20.5	20.7	20.0
16.6	16.5	15.6	15.5	15.9	14.8	13.3	13.8	13.2	13.7	14.3	13.5	14.0
36.2	38.9	37.9	35.2	39.0	41.4	44.5	48.3	51.4	55.5	60.9	63.7	63.4
103.8	103.5	105.3	106.4	104.7	104.7	104.7	107.6	103.1	103.7	105.0	105.8	108.8
3.4	3.3	3.5	3.5	3.5	3.9	4.1	4.4	4.0	4.2	4.2	4.4	4.6
44.5	45.6	45.8	47.7	49.9	49.5	49.4	51.4	46.1	46.2	47.1	42.8	42.7
34.8	34.2	38.1	42.3	45.7	45.8	44.9	45.3	43.7	45.5	46.9	48.8	51.1
8.3	9.0	9.8	10.5	12.5	12.2	12.0	13.3	14.1	14.2	15.3	16.7	17.0
9.6	10.0	10.5	11.1	11.1	10.8	11.2	12.0	11.8	12.6	14.6	15.1	15.7
998.4	**1004.0**	**1036.4**	**1080.2**	**1140.8**	**1150.0**	**1176.9**	**1216.3**	**1210.9**	**1220.7**	**1298.5**	**1340.4**	**1397.3**
3568.3	**3601.1**	**3629.4**	**3711.7**	**3850.9**	**3898.7**	**3943.9**	**3991.6**	**3959.2**	**3880.1**	**3997.9**	**4035.9**	**4086.7**
2219.0	2217.7	2209.8	2239.9	2279.1	2290.3	2273.0	2255.1	2176.2	2058.3	2072.0	2045.7	2025.3
1349.3	1383.4	1419.7	1471.8	1571.8	1608.3	1670.9	1736.5	1783.0	1821.8	1925.9	1990.2	2061.4
701.4	711.7	706.8	710.5	716.6	721.3	721.6	704.6	697.8	658.5	652.0	632.9	608.4

Contents

2013	2014	2015	2016	2017	2018	**2019**	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2009
101.1	102.6	99.8	101.3	101.3	104.8	**102.8**	-2.0%	0.4%	2.3%
90.3	85.9	84.9	85.3	81.8	79.2	**74.9**	-5.3%	-1.5%	1.7%
790.6	796.0	812.8	818.3	826.3	844.4	**841.8**	-0.3%	♦	18.9%
982.0	**984.6**	**997.4**	**1004.9**	**1009.5**	**1028.4**	**1019.5**	**-0.9%**	**-0.1%**	**22.9%**
30.7	30.1	30.9	30.2	29.4	28.1	**27.6**	-1.6%	1.2%	0.6%
122.8	126.6	118.5	112.2	113.6	108.9	**109.7**	0.8%	1.0%	2.5%
16.8	16.3	16.5	17.5	16.7	17.2	**17.4**	1.3%	-0.8%	0.4%
13.8	14.7	15.5	16.0	15.7	15.8	**16.1**	1.5%	3.2%	0.4%
11.6	12.2	11.8	11.0	10.8	11.7	**11.3**	-3.3%	2.9%	0.3%
9.8	9.6	10.6	11.2	11.0	11.3	**11.5**	1.6%	3.5%	0.3%
2.2	2.0	2.2	2.3	2.2	2.0	**1.9**	-6.3%	-0.9%	♦
36.8	33.6	29.6	24.9	21.2	18.3	**16.2**	-11.9%	-5.9%	0.4%
18.2	18.8	20.4	21.1	21.4	21.4	**22.1**	3.4%	2.3%	0.5%
29.6	29.0	30.0	30.9	30.2	31.1	**30.3**	-2.7%	-1.0%	0.7%
8.6	8.3	8.9	9.3	9.8	9.9	**10.1**	2.2%	2.8%	0.2%
300.8	**301.2**	**294.9**	**286.5**	**281.8**	**275.7**	**274.1**	**-0.6%**	**0.4%**	**6.2%**
12.2	11.7	11.7	12.1	12.3	12.4	**12.7**	2.2%	-0.3%	0.3%
30.6	30.1	31.0	31.6	32.2	32.8	**32.0**	-2.6%	-0.8%	0.7%
3.8	4.0	4.6	4.6	4.8	4.8	**5.1**	5.8%	-0.3%	0.1%
3.0	3.2	3.3	3.3	3.6	3.4	**3.3**	-3.9%	-2.6%	0.1%
2.3	2.3	2.4	2.6	2.7	2.6	**2.6**	-0.7%	-1.5%	0.1%
8.5	9.0	8.9	8.3	9.7	9.8	**9.9**	0.7%	0.1%	0.2%
7.5	7.5	7.6	7.4	7.5	7.5	**7.7**	2.9%	-2.0%	0.2%
1.6	1.4	1.4	1.4	1.5	1.4	**1.5**	2.1%	-0.3%	♦
9.8	9.3	9.2	10.0	9.5	9.3	**8.9**	-4.4%	-1.2%	0.2%
76.0	73.4	73.3	72.9	73.2	73.0	**72.4**	-0.7%	-1.9%	1.6%
110.0	106.9	106.7	109.0	111.3	106.0	**106.9**	0.9%	-0.9%	2.4%
14.8	14.6	15.1	15.2	15.6	15.3	**15.9**	4.3%	-3.5%	0.4%
6.3	7.0	7.4	7.4	7.9	8.4	**8.5**	0.9%	1.5%	0.2%
0.7	0.8	0.8	0.9	1.0	1.1	**0.9**	-12.5%	3.1%	♦
6.7	6.6	6.9	7.2	7.2	7.4	**7.5**	0.6%	-1.8%	0.2%
58.7	55.6	57.9	58.3	58.6	60.1	**57.6**	-4.2%	-2.8%	1.3%
1.6	1.6	1.7	1.7	1.8	1.6	**1.8**	9.6%	-0.2%	♦
2.5	2.5	2.7	3.0	3.1	3.2	**3.2**	-0.3%	0.8%	0.1%
2.7	2.6	2.6	2.6	2.7	2.9	**2.9**	1.8%	♦	0.1%
41.0	39.1	38.3	39.6	38.0	38.9	**38.3**	-1.6%	-1.7%	0.9%
0.9	0.9	1.0	1.1	1.0	1.0	**1.1**	8.7%	0.4%	♦
10.2	9.5	9.7	9.3	9.2	9.5	**8.9**	-6.3%	-0.4%	0.2%
23.8	23.9	25.0	27.5	29.8	30.6	**30.9**	0.9%	1.8%	0.7%
11.1	11.0	11.2	11.1	11.5	11.2	**11.8**	6.0%	-2.2%	0.3%
8.2	8.8	9.0	9.4	9.9	10.1	**10.6**	5.5%	-0.2%	0.2%
3.5	3.2	3.5	3.6	4.1	4.1	**3.9**	-4.5%	0.7%	0.1%
2.4	2.4	2.3	2.5	2.6	2.6	**2.5**	-6.5%	-1.4%	0.1%
58.7	58.3	60.4	62.4	62.5	63.8	**63.7**	-0.1%	-1.9%	1.4%
13.7	13.4	13.2	13.6	13.5	13.0	**13.3**	2.6%	-2.0%	0.3%
11.8	10.5	10.7	10.1	10.3	10.0	**10.2**	2.1%	-1.9%	0.2%
35.6	36.4	43.8	47.0	49.3	47.4	**47.9**	1.1%	4.0%	1.1%
11.8	10.1	8.9	9.5	9.7	9.5	**10.1**	5.8%	-3.9%	0.2%
69.7	69.5	71.3	73.6	73.8	72.7	**71.2**	-2.1%	-0.8%	1.6%
14.9	14.9	15.4	16.4	17.3	17.2	**17.5**	1.4%	0.9%	0.4%
676.6	**662.3**	**678.9**	**696.1**	**708.4**	**704.8**	**703.2**	**-0.2%**	**-1.0%**	**15.8%**
4.5	4.4	4.5	4.5	4.6	4.8	**4.9**	3.0%	2.9%	0.1%
7.1	8.0	6.8	6.7	6.7	7.3	**7.5**	2.8%	-0.9%	0.2%
12.1	12.1	13.5	13.9	14.4	15.3	**15.8**	3.1%	3.1%	0.4%
144.3	152.3	144.2	148.1	145.7	149.3	**150.8**	1.0%	1.1%	3.4%
6.2	6.5	6.5	6.5	6.5	6.7	**7.1**	6.5%	2.5%	0.2%
n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
2.9	2.7	2.5	2.3	2.2	2.2	**2.1**	-3.1%	-7.2%	♦
3.5	3.4	3.5	3.8	3.6	4.0	**4.1**	2.1%	3.6%	0.1%
180.5	**189.5**	**181.6**	**185.8**	**183.7**	**189.5**	**192.3**	**1.5%**	**1.1%**	**4.3%**
93.9	87.2	77.1	79.2	79.5	80.6	**89.4**	11.0%	-1.3%	2.0%
34.4	32.8	33.2	37.1	35.1	34.3	**34.8**	1.4%	4.4%	0.8%
10.3	9.7	10.4	10.6	11.6	11.4	**11.6**	1.7%	-0.5%	0.3%
22.7	19.4	20.3	21.1	18.6	18.3	**17.9**	-2.7%	-0.4%	0.4%

8.4	8.6	8.6	8.9	11.6	13.6	**14.1**	3.8%	8.8%	0.3%
9.3	9.8	11.4	12.0	10.6	11.0	**11.9**	8.8%	5.7%	0.3%
146.5	161.1	167.3	165.1	162.3	157.3	**158.8**	1.0%	3.2%	3.6%
39.0	39.3	42.2	44.9	44.2	46.0	**44.6**	-3.1%	4.3%	1.0%
29.6	29.3	25.4	24.4	24.8	24.5	**25.2**	2.7%	-4.5%	0.6%
394.0	**397.2**	**395.9**	**403.4**	**398.5**	**397.2**	**408.4**	**2.8%**	**1.5%**	**9.2%**
17.6	18.3	19.5	18.9	18.6	19.0	**20.1**	5.9%	3.1%	0.5%
35.7	38.3	39.8	40.8	37.8	35.3	**34.7**	-1.7%	0.8%	0.8%
13.4	12.7	12.3	12.6	13.3	13.0	**13.3**	2.7%	1.8%	0.3%
26.7	26.5	27.5	26.0	25.9	26.6	**27.2**	2.5%	0.8%	0.6%
23.1	23.8	25.9	27.0	28.7	29.6	**30.5**	2.9%	4.8%	0.7%
12.2	13.2	12.8	12.3	11.1	11.2	**11.5**	2.4%	3.7%	0.3%
27.0	25.4	25.9	28.8	31.5	33.1	**34.4**	4.0%	3.5%	0.8%
16.7	17.1	15.2	13.9	14.3	15.1	**15.7**	4.2%	-1.5%	0.4%
2.5	2.6	2.7	2.8	2.9	2.9	**2.9**	0.7%	3.4%	0.1%
174.9	**177.7**	**181.6**	**183.1**	**183.9**	**185.7**	**190.4**	**2.5%**	**2.1%**	**4.3%**
46.9	47.4	45.6	46.0	48.1	49.5	**49.1**	-0.7%	1.6%	1.1%
5.3	6.0	6.3	7.0	7.8	8.9	**8.5**	-4.2%	9.0%	0.2%
505.0	524.4	558.3	571.5	596.4	619.8	**650.1**	4.9%	5.1%	14.6%
17.6	16.6	18.2	18.9	21.4	21.6	**20.2**	-6.6%	4.0%	0.5%
176.3	181.9	197.0	217.7	225.7	235.1	**242.0**	2.9%	4.9%	5.4%
75.7	76.2	70.1	70.5	74.2	77.1	**77.1**	0.1%	2.5%	1.7%
207.0	196.6	189.0	183.3	180.5	175.6	**173.6**	-1.1%	-2.4%	3.9%
34.9	35.0	32.2	36.2	34.1	34.7	**35.3**	2.0%	1.6%	0.8%
7.2	7.3	7.6	7.8	8.1	8.1	**8.2**	0.4%	1.1%	0.2%
21.9	22.6	24.6	27.5	28.3	23.4	**20.7**	-11.9%	1.9%	0.5%
14.7	15.6	17.7	19.0	20.3	20.4	**20.8**	2.0%	4.4%	0.5%
63.7	65.3	69.0	71.7	73.6	74.2	**72.2**	-2.7%	3.7%	1.6%
108.3	107.9	113.8	122.5	122.8	121.7	**120.0**	-1.4%	1.7%	2.7%
3.9	3.4	4.1	4.9	5.2	5.2	**5.6**	7.9%	2.7%	0.1%
43.5	45.0	45.3	46.6	46.4	46.5	**44.1**	-5.1%	0.1%	1.0%
53.0	53.0	56.2	58.4	59.8	60.8	**61.6**	1.4%	3.4%	1.4%
18.2	18.7	20.8	21.9	22.6	23.6	**24.6**	4.4%	5.3%	0.6%
16.8	18.2	20.0	20.5	21.2	22.2	**23.6**	6.5%	6.5%	0.5%
1419.9	**1441.3**	**1495.9**	**1551.7**	**1596.5**	**1628.2**	**1657.3**	**1.8%**	**3.0%**	**37.3%**
4128.6	**4153.9**	**4226.3**	**4311.5**	**4362.2**	**4409.5**	**4445.2**	**0.8%**	**1.1%**	**100.0%**
2010.1	1987.9	2014.6	2041.8	2056.9	2068.0	**2052.3**	-0.8%	-0.5%	46.2%
2118.5	2166.0	2211.7	2269.7	2305.3	2341.5	**2392.9**	2.2%	2.8%	53.8%
592.9	581.4	590.9	604.3	613.4	611.9	**609.5**	-0.4%	-1.3%	13.7%

Oil: Consumption*

Contents

Exajoules	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Canada	2.31	2.44	2.60	2.77	2.89	3.08	3.16	3.33	3.51	3.57	3.50	3.69	3.72	3.80	3.95	3.89	3.64	3.27	3.06
Mexico	0.64	0.67	0.72	0.78	0.83	0.89	0.94	1.06	1.14	1.29	1.42	1.56	1.61	1.82	1.95	2.17	2.38	2.46	2.40
US	23.69	24.88	25.84	27.63	29.14	30.30	31.34	33.86	35.75	34.32	33.65	36.12	38.13	37.68	36.89	34.18	31.89	30.19	30.01
Total North America	**26.65**	**27.99**	**29.16**	**31.19**	**32.85**	**34.27**	**35.45**	**38.25**	**40.40**	**39.17**	**38.57**	**41.38**	**43.47**	**43.30**	**42.80**	**40.25**	**37.91**	**35.92**	**35.47**
Argentina	0.94	0.97	0.99	1.01	1.05	0.94	1.01	1.01	1.01	1.02	0.96	0.99	1.05	1.05	1.11	1.04	0.96	0.92	0.94
Brazil	0.64	0.70	0.72	0.86	0.95	1.07	1.18	1.36	1.68	1.81	1.86	2.02	2.06	2.24	2.36	2.28	2.17	2.20	2.09
Chile	0.15	0.16	0.17	0.18	0.19	0.20	0.22	0.24	0.23	0.22	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.21	0.20
Colombia	0.17	0.19	0.19	0.21	0.20	0.23	0.24	0.27	0.26	0.29	0.29	0.31	0.31	0.31	0.33	0.32	0.33	0.33	0.35
Ecuador	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.07	0.07	0.07	0.09	0.09	0.10	0.13	0.14	0.16	0.14
Peru	0.16	0.20	0.20	0.20	0.20	0.21	0.21	0.18	0.21	0.25	0.25	0.26	0.26	0.25	0.26	0.28	0.29	0.28	0.25
Trinidad & Tobago	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.15	0.16	0.15	0.12	0.13	0.13	0.12	0.09	0.07	0.07	0.08	0.07
Venezuela	0.40	0.40	0.40	0.44	0.44	0.46	0.46	0.50	0.55	0.55	0.59	0.58	0.65	0.68	0.73	0.89	0.94	0.93	0.91
Central America	0.17	0.17	0.18	0.18	0.19	0.20	0.21	0.23	0.24	0.25	0.27	0.28	0.28	0.29	0.29	0.27	0.27	0.27	0.26
Other Caribbean	0.75	0.78	0.81	0.83	0.85	0.98	1.00	1.07	1.16	1.15	1.12	1.14	1.19	1.22	1.26	1.42	1.44	1.25	1.19
Other South America	0.10	0.10	0.11	0.11	0.12	0.13	0.13	0.16	0.16	0.14	0.16	0.16	0.17	0.20	0.21	0.20	0.19	0.18	0.16
Total S. & Cent. America	**3.58**	**3.78**	**3.90**	**4.16**	**4.33**	**4.56**	**4.82**	**5.22**	**5.71**	**5.89**	**5.88**	**6.14**	**6.40**	**6.68**	**6.97**	**7.13**	**7.04**	**6.81**	**6.56**
Austria	0.24	0.26	0.28	0.32	0.35	0.39	0.43	0.46	0.50	0.45	0.46	0.49	0.47	0.51	0.53	0.52	0.47	0.45	0.43
Belgium	0.68	0.69	0.76	0.89	1.02	1.12	1.14	1.24	1.30	1.14	1.09	1.13	1.11	1.19	1.18	1.09	1.00	0.95	0.86
Bulgaria	0.16	0.18	0.23	0.27	0.33	0.38	0.42	0.44	0.46	0.48	0.51	0.53	0.55	0.56	0.58	0.59	0.53	0.51	0.50
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Czech Republic	0.17	0.19	0.21	0.23	0.25	0.30	0.33	0.36	0.40	0.41	0.45	0.48	0.50	0.52	0.53	0.49	0.48	0.44	0.43
Denmark	0.44	0.50	0.53	0.58	0.70	0.78	0.77	0.81	0.75	0.68	0.67	0.71	0.71	0.71	0.68	0.58	0.55	0.47	0.45
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	0.24	0.29	0.31	0.35	0.41	0.46	0.47	0.50	0.56	0.49	0.51	0.54	0.53	0.54	0.57	0.55	0.52	0.48	0.45
France	2.29	2.46	2.83	3.06	3.54	4.02	4.38	4.86	5.42	5.15	4.71	5.09	4.89	5.10	5.07	4.71	4.25	3.94	3.85
Germany	3.67	4.11	4.27	4.79	5.39	5.92	6.17	6.51	6.94	6.29	6.11	6.61	6.52	6.81	7.02	6.35	5.76	5.45	5.34
Greece	0.19	0.21	0.24	0.25	0.26	0.29	0.31	0.36	0.42	0.40	0.42	0.45	0.46	0.50	0.53	0.52	0.51	0.51	0.49
Hungary	0.16	0.18	0.19	0.19	0.22	0.25	0.28	0.31	0.35	0.38	0.43	0.45	0.48	0.53	0.50	0.49	0.46	0.44	0.42
Iceland	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
Ireland	0.10	0.11	0.13	0.14	0.16	0.17	0.19	0.21	0.23	0.23	0.22	0.23	0.24	0.26	0.27	0.24	0.22	0.19	0.17
Italy	2.20	2.42	2.68	2.96	3.26	3.69	3.96	4.16	4.38	4.26	4.00	4.18	4.07	4.27	4.41	4.19	4.10	3.89	3.79
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.04	0.04	0.04
Netherlands	1.07	1.16	1.18	1.27	1.39	1.54	1.53	1.70	1.76	1.51	1.48	1.67	1.60	1.64	1.77	1.65	1.54	1.34	1.27
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	0.22	0.25	0.25	0.28	0.31	0.35	0.35	0.36	0.37	0.33	0.35	0.38	0.38	0.42	0.42	0.40	0.38	0.36	0.35
Poland	0.23	0.24	0.26	0.33	0.36	0.38	0.40	0.45	0.50	0.53	0.58	0.64	0.68	0.73	0.74	0.73	0.69	0.65	0.67
Portugal	0.11	0.11	0.12	0.13	0.14	0.19	0.22	0.24	0.26	0.28	0.29	0.31	0.30	0.31	0.34	0.36	0.38	0.40	0.40
Romania	0.30	0.32	0.36	0.38	0.42	0.46	0.47	0.50	0.56	0.51	0.59	0.65	0.71	0.78	0.83	0.79	0.71	0.70	0.62
Slovakia	0.10	0.11	0.12	0.13	0.14	0.17	0.19	0.21	0.23	0.24	0.26	0.28	0.29	0.30	0.30	0.28	0.28	0.26	0.25
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	0.60	0.71	0.86	0.91	1.04	1.18	1.30	1.37	1.65	1.73	1.80	2.04	1.93	1.98	2.10	2.23	2.16	2.04	2.04
Sweden	0.83	0.93	0.93	1.05	1.13	1.23	1.15	1.19	1.21	1.09	1.09	1.20	1.16	1.40	1.51	1.33	1.20	1.11	0.97
Switzerland	0.35	0.37	0.40	0.44	0.48	0.54	0.57	0.59	0.63	0.56	0.54	0.56	0.56	0.58	0.55	0.55	0.51	0.48	0.53
Turkey	0.15	0.18	0.21	0.25	0.28	0.30	0.36	0.40	0.49	0.48	0.53	0.60	0.68	0.72	0.64	0.66	0.65	0.69	0.73
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	3.19	3.42	3.67	3.89	4.18	4.42	4.45	4.72	4.84	4.50	3.93	3.91	3.94	4.04	4.08	3.49	3.23	3.27	3.14
Other Europe	0.18	0.21	0.25	0.29	0.31	0.37	0.47	0.49	0.54	0.60	0.59	0.63	0.69	0.75	0.80	0.74	0.68	0.70	0.74
Total Europe	**17.93**	**19.68**	**21.36**	**23.49**	**26.16**	**29.00**	**30.43**	**32.57**	**34.90**	**32.86**	**31.72**	**33.88**	**33.58**	**35.28**	**36.09**	**33.66**	**31.36**	**29.84**	**29.01**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	7.18	7.69	8.38	8.93	9.50	10.46	11.09	12.02	12.93	14.20	14.88	15.30	15.91	16.88	17.18	18.01	18.16	18.03	17.77
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total CIS	**7.18**	**7.69**	**8.38**	**8.93**	**9.50**	**10.46**	**11.09**	**12.02**	**12.93**	**14.20**	**14.88**	**15.30**	**15.91**	**16.88**	**17.18**	**18.01**	**18.16**	**18.03**	**17.77**
Iran	0.30	0.33	0.37	0.40	0.44	0.47	0.52	0.58	0.69	0.80	0.94	1.06	1.23	1.24	1.30	1.20	1.19	1.30	1.58
Iraq	0.06	0.06	0.07	0.07	0.08	0.10	0.11	0.14	0.13	0.13	0.13	0.16	0.19	0.18	0.22	0.29	0.31	0.33	0.37
Israel	0.16	0.17	0.18	0.19	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.29	0.32	0.34	0.35	0.34	0.32
Kuwait	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.22	0.21	0.19	0.15	0.18	0.17	0.18	0.21	0.18	0.24	0.28	0.31
Oman	0.02	0.02	0.02	0.02	0.02	0.02	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.06	0.04
Qatar	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.05	0.05
Saudi Arabia	0.82	0.83	0.84	0.85	0.85	0.89	0.90	0.96	1.02	1.07	0.82	0.95	1.10	1.19	1.44	1.18	1.42	1.58	1.75
United Arab Emirates	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.09	0.22	0.24	0.26	0.27
Other Middle East	0.24	0.25	0.26	0.28	0.29	0.28	0.29	0.28	0.30	0.33	0.36	0.40	0.45	0.47	0.54	0.53	0.57	0.65	0.70
Total Middle East	**1.85**	**1.90**	**1.96**	**2.03**	**2.09**	**2.19**	**2.30**	**2.48**	**2.67**	**2.84**	**2.73**	**3.13**	**3.55**	**3.69**	**4.19**	**4.01**	**4.39**	**4.82**	**5.38**
Algeria	0.06	0.07	0.07	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.15	0.17	0.19	0.20	0.24	0.24	0.26	0.27	0.31
Egypt	0.29	0.31	0.26	0.27	0.20	0.26	0.27	0.30	0.29	0.32	0.35	0.41	0.44	0.46	0.50	0.56	0.64	0.73	0.81
Morocco	0.04	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.11	0.12	0.12	0.13	0.15	0.16	0.18	0.18	0.18	0.19	0.19
South Africa	0.24	0.26	0.29	0.31	0.34	0.37	0.41	0.44	0.49	0.48	0.51	0.51	0.51	0.53	0.50	0.52	0.56	0.57	0.58
Eastern Africa	0.24	0.25	0.26	0.27	0.29	0.30	0.36	0.37	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.40	0.39	0.37	0.37
Middle Africa	0.09	0.09	0.09	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.12	0.13	0.14	0.16	0.16	0.16	0.17	0.16	0.18
Western Africa	0.16	0.17	0.17	0.17	0.19	0.21	0.28	0.30	0.33	0.34	0.37	0.45	0.49	0.52	0.59	0.63	0.64	0.67	0.63
Other Northern Africa	0.06	0.07	0.07	0.08	0.09	0.10	0.09	0.11	0.14	0.15	0.15	0.20	0.23	0.25	0.27	0.30	0.34	0.37	0.39
Other Southern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01
Total Africa	**1.17**	**1.28**	**1.27**	**1.34**	**1.36**	**1.51**	**1.70**	**1.85**	**1.99**	**2.05**	**2.15**	**2.38**	**2.52**	**2.66**	**2.83**	**3.00**	**3.19**	**3.35**	**3.46**
Australia	0.65	0.77	0.84	0.92	0.94	1.04	1.10	1.12	1.19	1.27	1.25	1.28	1.34	1.35	1.37	1.32	1.28	1.28	1.26
Bangladesh	n/a	n/a	n/a	n/a	n/a	n/a	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.06
China	0.46	0.60	0.59	0.64	0.86	1.20	1.63	1.87	2.28	2.62	2.89	3.31	3.50	3.88	3.89	3.64	3.46	3.42	3.50
China Hong Kong SAR	0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.20	0.21	0.21	0.20	0.23	0.25	0.26	0.27	0.27	0.29	0.28	0.25
India	0.53	0.59	0.61	0.68	0.82	0.82	0.88	0.94	1.00	0.98	1.00	1.06	1.13	1.23	1.33	1.36	1.46	1.52	1.60
Indonesia	0.26	0.25	0.24	0.26	0.27	0.29	0.30	0.33	0.39	0.41	0.47	0.50	0.59	0.66	0.71	0.80	0.89	0.93	0.91
Japan	3.65	4.16	5.10	5.93	7.02	8.27	9.13	9.75	11.20	10.78	10.18	10.59	10.87	11.24	11.36	10.22	9.66	9.00	9.00
Malaysia	0.10	0.11	0.12	0.12	0.12	0.13	0.15	0.16	0.18	0.18	0.18	0.21	0.23	0.25	0.31	0.35	0.37	0.39	0.42
New Zealand	0.12	0.13	0.14	0.14	0.15	0.17	0.18	0.19	0.20	0.19	0.19	0.19	0.19	0.18	0.19	0.18	0.17	0.17	0.16
Pakistan	0.16	0.17	0.19	0.21	0.20	0.20	0.18	0.15	0.16	0.17	0.17	0.17	0.18	0.19	0.21	0.22	0.23	0.25	0.28
Philippines	0.18	0.20	0.22	0.25	0.27	0.31	0.36	0.35	0.41	0.38	0.41	0.42	0.46	0.48	0.49	0.46	0.43	0.42	0.44
Singapore	0.17	0.20	0.24	0.29	0.29	0.31	0.27	0.34	0.32	0.32	0.31	0.37	0.37	0.38	0.40	0.40	0.46	0.45	0.48
South Korea	0.05	0.08	0.14	0.21	0.28	0.35	0.40	0.42	0.51	0.53	0.60	0.68	0.80	0.92	1.04	1.03	1.02	1.01	1.05
Sri Lanka	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.06	0.06
Taiwan	0.09	0.11	0.13	0.15	0.19	0.22	0.31	0.34	0.43	0.39	0.45	0.58	0.64	0.75	0.75	0.78	0.69	0.66	0.68
Thailand	0.10	0.12	0.13	0.17	0.19	0.22	0.24	0.30	0.32	0.33	0.35	0.37	0.42	0.47	0.48	0.50	0.47	0.43	0.48
Vietnam	0.06	0.14	0.21	0.21	0.26	0.27	0.22	0.23	0.23	0.14	0.13	0.03	0.03	0.04	0.05	0.08	0.07	0.07	0.08
Other Asia Pacific	0.12	0.13	0.14	0.15	0.15	0.16	0.17	0.19	0.19	0.20	0.20	0.21	0.22	0.25	0.28	0.31	0.32	0.32	0.32
Total Asia Pacific	**6.83**	**7.87**	**9.17**	**10.49**	**12.18**	**14.17**	**15.75**	**16.96**	**19.30**	**19.17**	**19.08**	**20.30**	**21.34**	**22.65**	**23.24**	**22.03**	**21.41**	**20.74**	**21.04**
Total World	**65.19**	**70.19**	**75.21**	**81.63**	**88.48**	**96.15**	**101.54**	**109.36**	**117.89**	**116.18**	**115.01**	**122.51**	**126.77**	**131.13**	**133.29**	**128.08**	**123.47**	**119.51**	**118.69**
of which: OECD	48.71	52.42	56.24	61.28	66.70	72.27	75.73	81.30	87.27	83.63	81.23	86.61	88.76	90.66	91.13	85.05	80.03	75.81	74.57
Non-OECD	16.48	17.76	18.96	20.35	21.78	23.88	25.81	28.06	30.61	32.55	33.79	35.90	38.01	40.48	42.16	43.02	43.44	43.70	44.12
European Union #	17.03	18.67	20.24	22.21	24.77	27.43	28.68	30.72	32.86	30.87	29.70	31.70	31.27	32.80	33.65	31.29	29.14	27.60	26.64

Exajoules	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Canada	3.09	3.10	3.10	3.22	3.39	3.52	3.47	3.27	3.34	3.35	3.41	3.54	3.64	3.78	3.86	3.93	3.93	3.99	4.10	4.24	4.40	4.36	4.31
Mexico	2.54	2.65	2.68	2.81	2.80	3.00	3.13	3.26	3.30	3.29	3.55	3.31	3.38	3.49	3.68	3.65	3.82	3.75	3.59	3.68	3.83	3.93	3.89
US	31.09	30.96	32.23	32.90	34.27	34.25	33.50	32.79	33.46	33.75	34.63	34.55	35.81	36.29	36.90	37.93	38.35	38.29	38.31	38.89	40.31	40.37	39.85
Total North America	**36.72**	**36.70**	**38.02**	**38.93**	**40.46**	**40.77**	**40.10**	**39.32**	**40.10**	**40.39**	**41.59**	**41.40**	**42.83**	**43.56**	**44.44**	**45.51**	**46.10**	**46.04**	**46.00**	**46.82**	**48.54**	**48.65**	**48.05**
Argentina	0.89	0.80	0.92	0.98	0.98	0.89	0.84	0.87	0.91	0.91	0.88	0.87	0.91	0.91	0.93	0.86	0.87	0.84	0.77	0.80	0.84	0.89	0.94
Brazil	2.12	2.15	2.37	2.44	2.48	2.50	2.47	2.50	2.69	2.80	2.99	3.12	3.32	3.57	3.72	3.78	3.72	3.78	3.71	3.60	3.72	3.79	3.87
Chile	0.20	0.20	0.21	0.22	0.24	0.27	0.29	0.32	0.35	0.38	0.40	0.44	0.47	0.51	0.52	0.52	0.51	0.49	0.51	0.49	0.52	0.54	0.60
Colombia	0.34	0.36	0.35	0.37	0.39	0.40	0.41	0.42	0.46	0.49	0.51	0.53	0.55	0.56	0.55	0.49	0.48	0.45	0.44	0.46	0.46	0.47	0.47
Ecuador	0.14	0.18	0.18	0.18	0.22	0.22	0.23	0.26	0.26	0.26	0.28	0.27	0.31	0.35	0.35	0.31	0.28	0.29	0.29	0.30	0.31	0.34	0.36
Peru	0.26	0.25	0.27	0.29	0.28	0.25	0.25	0.23	0.24	0.25	0.28	0.31	0.32	0.33	0.32	0.33	0.32	0.30	0.30	0.29	0.32	0.31	0.30
Trinidad & Tobago	0.06	0.06	0.07	0.04	0.04	0.04	0.05	0.05	0.07	0.06	0.05	0.05	0.06	0.04	0.04	0.08	0.07	0.07	0.08	0.07	0.08	0.07	0.08
Venezuela	0.85	0.87	0.91	0.86	0.90	0.87	0.88	0.84	1.00	0.90	1.01	0.97	0.79	0.85	0.95	1.02	1.03	1.16	1.21	1.03	1.12	1.22	1.36
Central America	0.26	0.26	0.26	0.28	0.27	0.28	0.29	0.32	0.36	0.38	0.42	0.47	0.45	0.49	0.56	0.56	0.57	0.61	0.61	0.64	0.65	0.65	0.69
Other Caribbean	1.26	1.17	1.15	1.19	1.20	1.27	1.24	1.21	1.16	1.17	1.24	1.24	1.28	1.36	1.40	1.34	1.53	1.55	1.56	1.54	1.55	1.56	1.58
Other South America	0.16	0.17	0.17	0.17	0.19	0.19	0.18	0.19	0.19	0.20	0.22	0.26	0.26	0.27	0.27	0.30	0.25	0.25	0.24	0.26	0.28	0.27	0.27
Total S. & Cent. America	**6.54**	**6.47**	**6.86**	**7.04**	**7.19**	**7.19**	**7.14**	**7.20**	**7.70**	**7.81**	**8.27**	**8.54**	**8.74**	**9.25**	**9.63**	**9.59**	**9.64**	**9.79**	**9.73**	**9.48**	**9.85**	**10.14**	**10.51**
Austria	0.42	0.42	0.44	0.46	0.45	0.45	0.47	0.50	0.49	0.49	0.49	0.49	0.50	0.51	0.53	0.52	0.51	0.56	0.57	0.61	0.60	0.59	0.59
Belgium	0.83	0.84	0.95	0.96	0.99	0.97	1.04	1.11	1.13	1.11	1.21	1.20	1.30	1.33	1.35	1.30	1.34	1.36	1.37	1.44	1.46	1.45	1.44
Bulgaria	0.48	0.44	0.46	0.45	0.47	0.46	0.42	0.29	0.25	0.27	0.26	0.27	0.25	0.19	0.21	0.19	0.18	0.19	0.20	0.20	0.20	0.22	0.23
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	0.20	0.14	0.14	0.15	0.15	0.17	0.16	0.17	0.19	0.19	0.17	0.17	0.18	0.20	0.19	0.19	0.20
Cyprus	0.05	0.04	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12
Czech Republic	0.46	0.45	0.44	0.44	0.42	0.40	0.36	0.30	0.29	0.29	0.30	0.34	0.36	0.34	0.35	0.35	0.34	0.36	0.35	0.37	0.41	0.43	0.42
Denmark	0.44	0.45	0.45	0.41	0.41	0.40	0.39	0.39	0.39	0.41	0.43	0.45	0.49	0.47	0.46	0.45	0.44	0.42	0.41	0.40	0.39	0.39	0.40
Estonia	n/a	0.15	0.14	0.15	0.15	0.15	0.15	0.13	0.07	0.08	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06
Finland	0.46	0.46	0.48	0.48	0.47	0.47	0.49	0.48	0.48	0.46	0.48	0.43	0.45	0.44	0.47	0.47	0.47	0.46	0.48	0.50	0.46	0.48	0.46
France	3.71	3.65	3.72	3.74	3.72	3.82	3.88	4.11	4.10	3.95	3.82	3.85	3.94	3.96	4.11	4.17	4.10	4.12	4.01	4.01	4.05	3.99	3.98
Germany	5.32	5.48	5.78	5.62	5.63	5.29	5.53	5.79	5.84	5.93	5.88	5.87	5.97	5.94	5.94	5.76	5.65	5.73	5.54	5.43	5.37	5.26	5.25
Greece	0.50	0.51	0.52	0.56	0.58	0.64	0.69	0.70	0.71	0.72	0.74	0.77	0.81	0.81	0.85	0.83	0.87	0.88	0.89	0.93	0.91	0.92	0.97
Hungary	0.44	0.44	0.41	0.43	0.40	0.39	0.40	0.35	0.35	0.33	0.35	0.33	0.30	0.31	0.32	0.31	0.30	0.29	0.28	0.27	0.28	0.32	0.34
Iceland	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Ireland	0.17	0.17	0.21	0.18	0.17	0.17	0.19	0.21	0.22	0.22	0.24	0.25	0.26	0.28	0.32	0.36	0.36	0.38	0.38	0.37	0.38	0.40	0.40
Italy	3.62	3.60	3.69	3.84	3.91	4.03	3.98	3.95	4.03	3.96	3.95	4.08	4.02	4.04	4.05	4.04	4.02	3.98	3.99	3.95	3.84	3.72	3.72
Latvia	n/a	0.24	0.21	0.17	0.15	0.15	0.14	0.14	0.10	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.05	0.06	0.06	0.06	0.07	0.07	0.07
Lithuania	n/a	0.37	0.31	0.34	0.33	0.33	0.32	0.35	0.18	0.16	0.15	0.13	0.14	0.14	0.16	0.13	0.10	0.12	0.11	0.10	0.11	0.12	0.12
Luxembourg	0.04	0.05	0.05	0.06	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.13	0.13	0.13
Netherlands	1.26	1.27	1.41	1.42	1.51	1.49	1.54	1.48	1.55	1.54	1.53	1.61	1.61	1.67	1.69	1.73	1.75	1.83	1.84	1.85	1.93	2.05	2.04
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	0.05	0.04	0.04	0.05	0.04	0.03	0.05	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04
Norway	0.37	0.39	0.41	0.41	0.39	0.39	0.38	0.35	0.36	0.38	0.39	0.38	0.41	0.42	0.42	0.41	0.38	0.43	0.42	0.43	0.42	0.42	0.43
Poland	0.69	0.70	0.72	0.73	0.75	0.75	0.68	0.65	0.59	0.61	0.64	0.65	0.76	0.79	0.90	0.94	0.87	0.85	0.86	0.88	0.94	0.97	1.05
Portugal	0.40	0.39	0.42	0.40	0.42	0.53	0.49	0.51	0.56	0.53	0.53	0.60	0.57	0.61	0.67	0.69	0.68	0.68	0.70	0.66	0.67	0.69	0.61
Romania	0.60	0.64	0.68	0.75	0.71	0.73	0.79	0.66	0.54	0.51	0.47	0.57	0.55	0.57	0.50	0.40	0.42	0.45	0.45	0.40	0.46	0.44	0.44
Slovakia	0.27	0.26	0.26	0.25	0.24	0.24	0.21	0.18	0.17	0.14	0.14	0.14	0.15	0.15	0.16	0.15	0.15	0.14	0.15	0.14	0.14	0.16	0.15
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	0.07	0.07	0.07	0.08	0.09	0.10	0.11	0.11	0.11	0.11	0.10	0.11	0.10	0.10	0.11	0.11	0.11
Spain	1.93	1.85	1.84	1.93	1.98	2.07	2.00	2.05	2.30	2.19	2.30	2.45	2.52	2.62	2.83	2.93	2.97	3.10	3.12	3.22	3.31	3.34	3.37
Sweden	0.92	0.99	1.06	0.91	0.86	0.82	0.82	0.71	0.74	0.73	0.77	0.74	0.79	0.74	0.83	0.80	0.69	0.70	0.71	0.77	0.73	0.73	0.74
Switzerland	0.51	0.52	0.57	0.54	0.54	0.52	0.56	0.57	0.57	0.54	0.55	0.51	0.53	0.56	0.57	0.55	0.53	0.57	0.54	0.53	0.52	0.53	0.55
Turkey	0.73	0.76	0.82	0.93	0.99	0.93	0.99	0.96	1.02	1.17	1.11	1.25	1.31	1.29	1.28	1.28	1.34	1.25	1.33	1.31	1.34	1.32	1.38
Ukraine	n/a	2.74	2.75	2.85	2.62	2.50	2.72	2.48	1.83	1.06	0.85	0.82	0.62	0.60	0.62	0.55	0.52	0.58	0.57	0.59	0.62	0.59	0.62
United Kingdom	3.86	3.36	3.36	3.27	3.48	3.56	3.60	3.59	3.63	3.64	3.61	3.56	3.65	3.55	3.53	3.48	3.44	3.43	3.41	3.43	3.52	3.65	3.62
Other Europe	0.70	0.97	1.02	1.02	1.10	1.05	0.72	0.55	0.43	0.38	0.35	0.34	0.39	0.43	0.41	0.37	0.41	0.47	0.51	0.56	0.60	0.63	0.64
Total Europe	**29.18**	**32.64**	**33.64**	**33.80**	**33.97**	**33.85**	**34.42**	**33.94**	**33.35**	**32.37**	**32.19**	**32.72**	**33.31**	**33.43**	**34.22**	**33.86**	**33.47**	**34.01**	**33.87**	**34.06**	**34.40**	**34.59**	**34.71**
Azerbaijan	n/a	0.35	0.37	0.34	0.35	0.34	0.36	0.35	0.34	0.34	0.31	0.28	0.25	0.24	0.25	0.24	0.27	0.17	0.16	0.18	0.20	0.23	0.21
Belarus	n/a	1.07	1.26	1.25	1.21	1.13	1.05	1.01	0.86	0.61	0.50	0.45	0.44	0.39	0.37	0.34	0.33	0.32	0.33	0.34	0.34	0.32	0.37
Kazakhstan	n/a	0.89	0.81	0.78	0.79	0.80	0.92	0.93	0.87	0.67	0.53	0.51	0.44	0.44	0.36	0.30	0.33	0.33	0.34	0.37	0.39	0.40	0.43
Russian Federation	n/a	10.57	10.70	10.78	10.70	10.90	10.74	10.47	10.00	8.34	7.37	6.43	5.54	5.50	5.27	5.38	5.28	5.43	5.24	5.43	5.36	5.38	5.62
Turkmenistan	n/a	0.21	0.15	0.15	0.15	0.15	0.20	0.22	0.21	0.12	0.12	0.11	0.13	0.13	0.17	0.18	0.17	0.17	0.19	0.22	0.22	0.22	0.21
USSR	17.77	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	0.50	0.51	0.48	0.60	0.57	0.43	0.46	0.37	0.39	0.34	0.28	0.28	0.30	0.29	0.30	0.30	0.29	0.28	0.31	0.31	0.22	0.22
Other CIS	-	0.63	0.60	0.59	0.59	0.56	0.59	0.44	0.35	0.22	0.10	0.10	0.09	0.08	0.08	0.07	0.06	0.07	0.07	0.07	0.08	0.09	0.10
Total CIS	**17.77**	**14.21**	**14.39**	**14.38**	**14.38**	**14.46**	**14.29**	**13.88**	**13.00**	**10.69**	**9.26**	**8.17**	**7.17**	**7.07**	**6.79**	**6.81**	**6.74**	**6.78**	**6.61**	**6.93**	**6.89**	**6.85**	**7.15**
Iran	1.71	1.88	1.73	1.81	1.90	2.04	2.11	2.24	2.39	2.59	2.69	2.70	2.81	2.90	2.80	2.82	2.92	2.94	2.96	3.00	3.09	3.40	3.70
Iraq	0.40	0.47	0.51	0.52	0.57	0.64	0.64	0.47	0.74	1.03	1.18	1.15	1.20	1.44	0.97	0.70	0.94	1.08	1.02	0.96	1.04	0.99	1.01
Israel	0.30	0.28	0.29	0.32	0.36	0.37	0.38	0.39	0.41	0.42	0.47	0.53	0.53	0.49	0.53	0.56	0.58	0.53	0.53	0.54	0.51	0.52	0.50
Kuwait	0.32	0.32	0.33	0.32	0.32	0.32	0.14	0.15	0.21	0.21	0.29	0.30	0.29	0.32	0.44	0.49	0.50	0.51	0.56	0.66	0.75	0.83	0.75
Oman	0.07	0.06	0.04	0.05	0.05	0.06	0.09	0.14	0.13	0.12	0.11	0.12	0.11	0.10	0.10	0.13	0.14	0.15	0.18	0.17	0.17	0.19	0.19
Qatar	0.06	0.08	0.09	0.10	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.08	0.09	0.12	0.13	0.14	0.16	0.21
Saudi Arabia	1.95	1.98	1.96	2.08	2.14	2.06	2.20	2.30	2.23	2.24	2.71	2.60	2.69	2.73	2.91	3.01	3.10	3.28	3.39	3.59	3.88	4.09	4.27
United Arab Emirates	0.30	0.38	0.46	0.50	0.60	0.63	0.66	0.81	0.81	0.84	0.88	0.88	0.86	0.87	0.87	0.85	0.84	0.83	0.86	0.95	1.03	1.07	1.15
Other Middle East	0.75	0.77	0.76	0.81	0.81	0.81	0.85	0.92	0.93	0.95	0.98	1.05	1.05	1.11	1.15	1.16	1.18	1.21	1.24	1.27	1.35	1.52	1.55
Total Middle East	**5.87**	**6.22**	**6.16**	**6.52**	**6.81**	**6.99**	**7.13**	**7.48**	**7.90**	**8.48**	**9.38**	**9.40**	**9.62**	**10.06**	**9.86**	**9.82**	**10.26**	**10.64**	**10.86**	**11.28**	**11.96**	**12.77**	**13.34**
Algeria	0.34	0.35	0.35	0.36	0.36	0.37	0.40	0.40	0.40	0.40	0.38	0.37	0.35	0.35	0.36	0.36	0.37	0.38	0.43	0.44	0.46	0.48	0.50
Egypt	0.87	0.88	0.89	0.92	0.94	0.98	1.01	0.99	0.97	0.92	0.91	0.99	1.05	1.11	1.16	1.19	1.16	1.12	1.08	1.11	1.15	1.28	1.23
Morocco	0.20	0.20	0.20	0.20	0.21	0.23	0.24	0.24	0.28	0.29	0.31	0.29	0.28	0.29	0.29	0.32	0.30	0.30	0.31	0.31	0.36	0.39	0.40
South Africa	0.63	0.61	0.59	0.63	0.69	0.71	0.72	0.73	0.75	0.78	0.81	0.87	0.89	0.91	0.92	0.94	0.95	0.97	1.00	1.03	1.07	1.08	1.09
Eastern Africa	0.38	0.38	0.41	0.41	0.45	0.47	0.48	0.47	0.47	0.48	0.51	0.52	0.54	0.55	0.56	0.59	0.59	0.62	0.63	0.63	0.69	0.72	0.77
Middle Africa	0.16	0.18	0.18	0.18	0.19	0.20	0.18	0.17	0.17	0.18	0.17	0.17	0.17	0.18	0.17	0.18	0.19	0.20	0.21	0.23	0.25	0.23	0.26
Western Africa	0.58	0.60	0.56	0.60	0.62	0.64	0.62	0.66	0.72	0.71	0.71	0.72	0.76	0.76	0.77	0.82	0.80	0.83	0.88	0.86	0.90	0.94	0.88
Other Northern Africa	0.38	0.39	0.38	0.44	0.45	0.45	0.46	0.46	0.45	0.50	0.54	0.56	0.57	0.59	0.62	0.64	0.68	0.67	0.67	0.71	0.71	0.76	0.79
Other Southern Africa	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08
Total Africa	**3.54**	**3.62**	**3.56**	**3.74**	**3.92**	**4.06**	**4.13**	**4.16**	**4.25**	**4.30**	**4.40**	**4.55**	**4.67**	**4.79**	**4.91**	**5.09**	**5.11**	**5.18**	**5.27**	**5.42**	**5.67**	**5.96**	**6.00**
Australia	1.32	1.26	1.29	1.31	1.38	1.43	1.45	1.41	1.41	1.48	1.54	1.59	1.61	1.64	1.64	1.69	1.68	1.69	1.69	1.69	1.74	1.72	1.87
Bangladesh	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.09	0.10	0.13	0.13	0.15	0.16	0.14	0.14	0.17	0.17	0.18	0.17	0.17	0.17
China	3.63	3.80	4.04	4.30	4.62	4.84	4.79	5.18	5.64	6.23	6.31	6.84	7.50	8.18	8.41	8.95	9.58	9.80	10.58	11.78	13.75	13.99	15.03
China Hong Kong SAR	0.23	0.22	0.22	0.21	0.24	0.26	0.27	0.27	0.35	0.36	0.39	0.41	0.41	0.40	0.39	0.41	0.43	0.51	0.56	0.56	0.66	0.59	0.64
India	1.72	1.86	1.96	2.02	2.22	2.40	2.50	2.54	2.67	2.70	2.90	3.23	3.49	3.73	4.00	4.36	4.58	4.61	4.91	5.04	5.18	5.27	5.54
Indonesia	0.96	0.94	1.03	1.07	1.12	1.19	1.36	1.45	1.56	1.64	1.68	1.79	1.91	2.12	2.02	2.11	2.37	2.41	2.49	2.53	2.69	2.67	2.55
Japan	9.52	9.03	9.12	9.17	9.87	10.25	10.60	10.76	11.03	10.80	11.42	11.62	11.69	11.55	11.09	11.30	11.14	10.80	10.62	10.87	10.59	10.73	10.34
Malaysia	0.41	0.41	0.39	0.40	0.44	0.45	0.55	0.59	0.64	0.71	0.78	0.82	0.90	1.03	0.89	0.97	0.98	1.02	1.14	1.21	1.23	1.23	1.27
New Zealand	0.17	0.16	0.14	0.17	0.17	0.17	0.19	0.19	0.20	0.20	0.22	0.24	0.25	0.26	0.26	0.27	0.27	0.27	0.28	0.30	0.30	0.31	0.31
Pakistan	0.30	0.32	0.35	0.38	0.41	0.44	0.46	0.48	0.53	0.58	0.62	0.67	0.70	0.73	0.75	0.78	0.80	0.79	0.77	0.68	0.69	0.65	0.75
Philippines	0.36	0.32	0.33	0.39	0.42	0.47	0.49	0.48	0.59	0.60	0.64	0.72	0.75	0.81	0.82	0.77	0.71	0.71	0.67	0.67	0.69	0.64	0.58
Singapore	0.50	0.51	0.59	0.62	0.72	0.82	0.98	1.00	1.03	1.12	1.29	1.35	1.36	1.43	1.45	1.44	1.53	1.65	1.60	1.49	1.65	1.75	1.88
South Korea	1.06	1.12	1.22	1.28	1.53	1.75	2.12	2.58	3.13	3.43	3.77	4.11	4.40	4.83	4.09	4.39	4.52	4.51	4.60	4.64	4.56	4.57	4.58
Sri Lanka	0.05	0.05	0.05	0.06	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.11	0.11	0.12	0.15	0.14	0.15	0.15	0.15	0.17	0.18
Taiwan	0.66	0.81	0.89	0.93	1.06	1.18	1.22	1.27	1.30	1.39	1.47	1.59	1.60	1.66	1.71	1.84	1.90	1.97	1.97	2.05	2.15	2.13	2.13
Thailand	0.50	0.48	0.50	0.54	0.61	0.72	0.87	0.93	1.04	1.21	1.35	1.47	1.62	1.63	1.50	1.59	1.52	1.50	1.67	1.85	1.99	2.00	1.97
Vietnam	0.08	0.08	0.09	0.11	0.11	0.11	0.12	0.12	0.13	0.17	0.19	0.21	0.24	0.27	0.30	0.33	0.36	0.39	0.43	0.45	0.54	0.53	0.52
Other Asia Pacific	0.31	0.34	0.36	0.35	0.35	0.34	0.37	0.34	0.32	0.34	0.33	0.35	0.38	0.39	0.41	0.39	0.42	0.43	0.45	0.48	0.48	0.47	0.48
Total Asia Pacific	**21.84**	**21.79**	**22.65**	**23.39**	**25.40**	**26.96**	**28.48**	**29.72**	**31.73**	**33.12**	**35.08**	**37.22**	**39.03**	**40.92**	**40.00**	**41.87**	**43.09**	**43.36**	**44.76**	**46.61**	**49.21**	**49.60**	**50.76**
Total World	**121.46**	**121.64**	**125.29**	**127.80**	**132.13**	**134.28**	**135.69**	**135.69**	**138.04**	**137.16**	**140.17**	**142.00**	**145.37**	**149.09**	**149.85**	**152.54**	**154.43**	**155.80**	**157.10**	**160.59**	**166.52**	**168.57**	**170.52**
of which: OECD	76.65	76.56	78.98	80.08	83.01	84.05	84.58	84.69	86.67	86.97	89.40	90.37	92.98	94.17	94.73	96.26	96.43	96.33	96.04	97.31	98.94	99.41	98.67
Non-OECD	44.81	45.08	46.31	47.72	49.12	50.23	51.11	51.00	51.37	50.19	50.77	51.63	52.39	54.91	55.11	56.27	57.99	59.47	61.06	63.29	67.58	69.16	71.85
European Union #	26.86	27.25	28.06	28.04	28.33	28.45	29.01	28.99	29.11	28.80	28.90	29.39	30.00	30.10	30.89	30.66	30.27	30.71	30.49	30.65	30.89	31.09	31.08

Contents

Exajoules	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	4.43	4.38	4.13	4.43	4.54	4.41	4.41	4.48	4.37	4.44	4.45	4.59	**4.50**	-2.0%	0.5%	2.3%
Mexico	4.04	4.03	3.89	3.91	3.97	4.04	3.93	3.75	3.70	3.73	3.59	3.48	**3.29**	-5.5%	-1.4%	1.7%
US	39.60	36.96	35.05	35.61	34.89	34.12	34.69	34.94	35.66	35.92	36.29	37.11	**36.99**	-0.3%	♦	19.2%
Total North America	**48.08**	**45.37**	**43.07**	**43.95**	**43.41**	**42.57**	**43.03**	**43.17**	**43.74**	**44.09**	**44.32**	**45.18**	**44.78**	**-0.9%**	**♦**	**23.2%**
Argentina	1.04	1.07	1.05	1.17	1.18	1.22	1.31	1.29	1.32	1.29	1.26	1.20	**1.19**	-1.5%	1.2%	0.6%
Brazil	4.02	4.20	4.16	4.54	4.83	4.98	5.26	5.43	5.09	4.83	4.90	4.69	**4.73**	0.8%	1.1%	2.5%
Chile	0.77	0.80	0.78	0.69	0.76	0.76	0.73	0.71	0.72	0.76	0.73	0.75	**0.76**	1.4%	-0.7%	0.4%
Colombia	0.46	0.50	0.46	0.51	0.55	0.60	0.60	0.64	0.67	0.70	0.68	0.69	**0.70**	1.6%	3.3%	0.4%
Ecuador	0.37	0.38	0.39	0.45	0.46	0.47	0.50	0.53	0.51	0.48	0.47	0.51	**0.49**	-3.1%	3.0%	0.3%
Peru	0.31	0.35	0.36	0.37	0.43	0.41	0.43	0.42	0.47	0.49	0.48	0.50	**0.51**	1.7%	3.6%	0.3%
Trinidad & Tobago	0.09	0.10	0.09	0.10	0.09	0.09	0.10	0.09	0.09	0.10	0.09	0.09	**0.08**	-6.5%	-0.9%	♦
Venezuela	1.29	1.46	1.48	1.48	1.50	1.61	1.59	1.46	1.29	1.08	0.93	0.80	**0.71**	-11.9%	-5.8%	0.4%
Central America	0.73	0.73	0.72	0.73	0.77	0.78	0.78	0.81	0.88	0.91	0.92	0.92	**0.95**	3.4%	2.4%	0.5%
Other Caribbean	1.52	1.47	1.37	1.35	1.34	1.32	1.26	1.24	1.28	1.32	1.29	1.33	**1.30**	-2.6%	-1.0%	0.7%
Other South America	0.29	0.33	0.35	0.37	0.36	0.37	0.37	0.37	0.39	0.41	0.43	0.43	**0.44**	2.2%	2.9%	0.2%
Total S. & Cent. America	**10.90**	**11.38**	**11.21**	**11.76**	**12.26**	**12.61**	**12.95**	**12.97**	**12.71**	**12.37**	**12.18**	**11.92**	**11.86**	**-0.5%**	**0.5%**	**6.1%**
Austria	0.56	0.55	0.53	0.55	0.51	0.51	0.53	0.51	0.50	0.52	0.53	0.54	**0.55**	2.1%	-0.3%	0.3%
Belgium	1.46	1.53	1.38	1.43	1.33	1.29	1.32	1.30	1.35	1.37	1.39	1.42	**1.38**	-2.9%	-0.7%	0.7%
Bulgaria	0.22	0.21	0.19	0.17	0.17	0.17	0.16	0.17	0.19	0.19	0.20	0.20	**0.21**	5.9%	-0.6%	0.1%
Croatia	0.20	0.19	0.19	0.16	0.15	0.13	0.13	0.14	0.14	0.14	0.15	0.15	**0.14**	-3.4%	-2.6%	0.1%
Cyprus	0.12	0.13	0.12	0.12	0.12	0.11	0.10	0.10	0.10	0.11	0.11	0.11	**0.11**	-0.5%	-1.3%	0.1%
Czech Republic	0.42	0.42	0.41	0.38	0.39	0.39	0.37	0.39	0.38	0.36	0.42	0.43	**0.43**	0.7%	0.1%	0.2%
Denmark	0.40	0.39	0.35	0.36	0.35	0.32	0.32	0.32	0.33	0.32	0.32	0.32	**0.33**	2.7%	-1.9%	0.2%
Estonia	0.07	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.06	**0.06**	2.4%	-0.2%	♦
Finland	0.47	0.46	0.43	0.45	0.43	0.41	0.43	0.40	0.40	0.43	0.41	0.41	**0.39**	-4.8%	-1.1%	0.2%
France	3.88	3.81	3.66	3.53	3.46	3.34	3.30	3.19	3.19	3.17	3.18	3.17	**3.15**	-0.6%	-1.8%	1.6%
Germany	4.75	5.04	4.82	4.89	4.73	4.70	4.80	4.67	4.67	4.76	4.87	4.63	**4.68**	0.9%	-0.8%	2.4%
Greece	0.98	0.93	0.88	0.79	0.75	0.66	0.62	0.62	0.64	0.64	0.66	0.65	**0.68**	4.2%	-3.5%	0.4%
Hungary	0.34	0.32	0.30	0.28	0.30	0.28	0.27	0.30	0.32	0.32	0.34	0.37	**0.37**	0.9%	1.4%	0.2%
Iceland	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	**0.04**	-12.6%	3.0%	♦
Ireland	0.40	0.39	0.34	0.32	0.30	0.29	0.29	0.29	0.30	0.31	0.31	0.32	**0.32**	0.3%	-1.8%	0.2%
Italy	3.60	3.42	3.18	3.08	2.97	2.78	2.54	2.40	2.50	2.52	2.54	2.60	**2.49**	-4.4%	-2.7%	1.3%
Latvia	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.07	**0.08**	9.5%	-0.2%	♦
Lithuania	0.12	0.13	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.13	0.13	0.14	**0.14**	-0.1%	0.8%	0.1%
Luxembourg	0.12	0.13	0.12	0.12	0.13	0.12	0.12	0.11	0.11	0.11	0.12	0.12	**0.13**	1.8%	-0.1%	0.1%
Netherlands	2.10	2.00	1.91	1.94	1.97	1.87	1.77	1.69	1.65	1.71	1.64	1.68	**1.65**	-1.7%	-1.7%	0.9%
North Macedonia	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	**0.05**	8.4%	0.7%	♦
Norway	0.43	0.42	0.43	0.45	0.43	0.43	0.44	0.41	0.42	0.40	0.40	0.41	**0.39**	-6.3%	-0.3%	0.2%
Poland	1.09	1.11	1.10	1.16	1.16	1.11	1.04	1.04	1.09	1.20	1.30	1.33	**1.34**	1.0%	1.8%	0.7%
Portugal	0.62	0.60	0.55	0.54	0.51	0.46	0.48	0.47	0.48	0.48	0.50	0.48	**0.51**	6.3%	-2.2%	0.3%
Romania	0.44	0.44	0.39	0.37	0.38	0.38	0.35	0.38	0.38	0.40	0.42	0.43	**0.45**	5.5%	-0.2%	0.2%
Slovakia	0.15	0.17	0.16	0.16	0.16	0.15	0.15	0.14	0.15	0.16	0.18	0.18	**0.17**	-4.5%	0.7%	0.1%
Slovenia	0.11	0.13	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.11	0.11	0.11	**0.11**	-6.5%	-1.4%	0.1%
Spain	3.38	3.26	3.06	2.98	2.84	2.66	2.49	2.48	2.56	2.65	2.66	2.72	**2.72**	0.1%	-1.8%	1.4%
Sweden	0.72	0.68	0.66	0.66	0.61	0.60	0.59	0.58	0.57	0.59	0.58	0.56	**0.57**	2.7%	-2.0%	0.3%
Switzerland	0.49	0.53	0.53	0.50	0.48	0.49	0.51	0.46	0.47	0.44	0.45	0.43	**0.44**	2.2%	-1.9%	0.2%
Turkey	1.40	1.38	1.41	1.37	1.34	1.41	1.51	1.55	1.85	1.98	2.07	2.00	**2.03**	1.8%	3.7%	1.1%
Ukraine	0.63	0.62	0.59	0.55	0.57	0.55	0.52	0.44	0.39	0.41	0.42	0.41	**0.44**	6.0%	-3.9%	0.2%
United Kingdom	3.50	3.42	3.26	3.22	3.17	3.08	3.03	3.03	3.11	3.20	3.22	3.17	**3.11**	-2.1%	-0.8%	1.6%
Other Europe	0.67	0.67	0.68	0.68	0.69	0.65	0.63	0.63	0.66	0.70	0.73	0.73	**0.74**	1.4%	0.8%	0.4%
Total Europe	**34.01**	**33.68**	**32.02**	**31.65**	**30.79**	**29.76**	**29.23**	**28.64**	**29.33**	**30.04**	**30.60**	**30.46**	**30.40**	**-0.2%**	**-1.0%**	**15.7%**
Azerbaijan	0.19	0.16	0.14	0.14	0.17	0.18	0.20	0.20	0.20	0.20	0.20	0.21	**0.21**	3.2%	3.0%	0.1%
Belarus	0.34	0.34	0.39	0.31	0.36	0.44	0.30	0.34	0.29	0.29	0.29	0.31	**0.32**	2.7%	-0.8%	0.2%
Kazakhstan	0.47	0.49	0.41	0.43	0.50	0.50	0.53	0.53	0.59	0.61	0.63	0.67	**0.69**	3.2%	3.1%	0.4%
Russian Federation	5.61	5.78	5.55	5.77	6.16	6.26	6.26	6.59	6.25	6.42	6.33	6.50	**6.57**	1.1%	1.2%	3.4%
Turkmenistan	0.22	0.23	0.22	0.24	0.25	0.26	0.27	0.28	0.28	0.28	0.28	0.29	**0.31**	6.8%	2.5%	0.2%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	0.20	0.19	0.18	0.16	0.15	0.13	0.12	0.12	0.11	0.10	0.10	0.09	**0.09**	-3.2%	-7.1%	♦
Other CIS	0.11	0.12	0.13	0.13	0.13	0.15	0.15	0.15	0.15	0.17	0.16	0.18	**0.18**	2.1%	3.7%	0.1%
Total CIS	**7.15**	**7.31**	**7.02**	**7.18**	**7.72**	**7.92**	**7.83**	**8.20**	**7.88**	**8.06**	**7.98**	**8.24**	**8.37**	**1.5%**	**1.2%**	**4.3%**
Iran	3.79	3.97	3.93	3.59	3.66	3.74	4.08	3.80	3.37	3.46	3.49	3.54	**3.92**	10.8%	-1.1%	2.0%
Iraq	0.97	0.96	1.09	1.16	1.28	1.36	1.46	1.39	1.39	1.55	1.48	1.46	**1.49**	1.7%	4.3%	0.8%
Israel	0.53	0.52	0.47	0.48	0.51	0.60	0.44	0.42	0.45	0.46	0.50	0.49	**0.50**	1.7%	-0.4%	0.3%
Kuwait	0.76	0.81	0.87	0.91	0.84	0.94	0.98	0.84	0.88	0.91	0.81	0.80	**0.78**	-2.5%	-0.1%	0.4%
Oman	0.19	0.25	0.24	0.28	0.29	0.32	0.36	0.37	0.38	0.39	0.50	0.58	**0.61**	3.9%	8.7%	0.3%
Qatar	0.24	0.28	0.27	0.30	0.37	0.38	0.43	0.45	0.52	0.55	0.48	0.50	**0.54**	8.4%	5.8%	0.3%
Saudi Arabia	4.53	4.96	5.45	5.92	6.05	6.36	6.37	6.99	7.26	7.18	7.07	6.86	**6.92**	0.9%	3.3%	3.6%
United Arab Emirates	1.23	1.29	1.26	1.35	1.46	1.53	1.69	1.71	1.83	1.96	1.93	2.01	**1.95**	-2.8%	4.5%	1.0%
Other Middle East	1.62	1.66	1.60	1.49	1.47	1.39	1.28	1.27	1.10	1.05	1.07	1.06	**1.08**	2.6%	-4.4%	0.6%
Total Middle East	**13.85**	**14.71**	**15.20**	**15.46**	**15.92**	**16.61**	**17.09**	**17.24**	**17.18**	**17.51**	**17.34**	**17.31**	**17.80**	**2.8%**	**1.6%**	**9.2%**
Algeria	0.56	0.61	0.65	0.65	0.69	0.74	0.77	0.80	0.85	0.83	0.81	0.83	**0.88**	6.3%	3.1%	0.5%
Egypt	1.31	1.41	1.48	1.57	1.46	1.53	1.54	1.65	1.72	1.76	1.64	1.53	**1.50**	-1.7%	0.9%	0.8%
Morocco	0.42	0.46	0.46	0.52	0.55	0.56	0.56	0.53	0.52	0.54	0.57	0.55	**0.57**	2.6%	1.9%	0.3%
South Africa	1.12	1.06	1.05	1.11	1.12	1.15	1.16	1.15	1.20	1.13	1.13	1.16	**1.18**	2.5%	0.9%	0.6%
Eastern Africa	0.79	0.81	0.84	0.87	0.92	0.93	1.00	1.03	1.13	1.18	1.25	1.29	**1.33**	2.9%	4.8%	0.7%
Middle Africa	0.29	0.34	0.38	0.41	0.45	0.47	0.53	0.57	0.55	0.53	0.48	0.49	**0.50**	2.4%	3.7%	0.3%
Western Africa	0.90	1.02	1.03	1.10	1.11	1.16	1.18	1.11	1.13	1.26	1.38	1.45	**1.51**	4.0%	3.6%	0.8%
Other Northern Africa	0.72	0.75	0.80	0.81	0.54	0.68	0.72	0.73	0.65	0.60	0.61	0.65	**0.68**	4.3%	-1.5%	0.4%
Other Southern Africa	0.08	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	**0.13**	0.7%	3.4%	0.1%
Total Africa	**6.20**	**6.55**	**6.79**	**7.13**	**6.93**	**7.31**	**7.57**	**7.70**	**7.87**	**7.95**	**7.99**	**8.07**	**8.28**	**2.5%**	**2.1%**	**4.3%**
Australia	1.84	1.85	1.83	1.82	1.94	2.01	2.05	2.07	2.00	2.01	2.10	2.16	**2.14**	-0.8%	1.6%	1.1%
Bangladesh	0.16	0.16	0.15	0.17	0.22	0.23	0.23	0.26	0.27	0.30	0.33	0.38	**0.37**	-4.2%	8.9%	0.2%
China	15.77	16.09	16.69	18.99	19.68	20.63	21.54	22.42	23.90	24.51	25.57	26.58	**27.91**	5.0%	5.1%	14.5%
China Hong Kong SAR	0.69	0.62	0.71	0.77	0.77	0.74	0.75	0.72	0.78	0.81	0.92	0.93	**0.87**	-6.5%	4.1%	0.5%
India	5.95	6.24	6.57	6.72	7.03	7.45	7.50	7.72	8.34	9.15	9.49	9.95	**10.24**	2.9%	4.8%	5.3%
Indonesia	2.69	2.62	2.65	2.82	3.18	3.27	3.30	3.32	3.07	3.09	3.25	3.38	**3.38**	0.2%	2.6%	1.8%
Japan	10.02	9.73	8.72	8.80	8.82	9.40	8.97	8.52	8.20	7.97	7.85	7.63	**7.53**	-1.3%	-2.4%	3.9%
Malaysia	1.35	1.30	1.29	1.29	1.38	1.45	1.54	1.54	1.43	1.60	1.51	1.54	**1.57**	2.0%	1.7%	0.8%
New Zealand	0.32	0.32	0.31	0.31	0.31	0.31	0.31	0.32	0.33	0.34	0.35	0.36	**0.36**	0.4%	1.1%	0.2%
Pakistan	0.82	0.83	0.89	0.88	0.88	0.86	0.94	0.97	1.06	1.18	1.22	1.02	**0.90**	-11.4%	2.1%	0.5%
Philippines	0.60	0.57	0.60	0.62	0.59	0.61	0.64	0.68	0.77	0.83	0.89	0.89	**0.91**	1.9%	4.5%	0.5%
Singapore	2.04	2.17	2.34	2.57	2.68	2.67	2.69	2.75	2.91	3.02	3.10	3.13	**3.06**	-2.5%	3.8%	1.6%
South Korea	4.71	4.52	4.55	4.61	4.65	4.79	4.77	4.76	5.01	5.40	5.42	5.37	**5.30**	-1.3%	1.7%	2.7%
Sri Lanka	0.19	0.17	0.18	0.18	0.19	0.20	0.17	0.15	0.18	0.21	0.23	0.23	**0.25**	7.9%	2.8%	0.1%
Taiwan	2.22	2.00	2.01	2.05	1.87	1.86	1.91	1.97	1.99	2.04	2.03	2.04	**1.93**	-5.0%	0.2%	1.0%
Thailand	1.99	1.92	2.01	2.07	2.16	2.27	2.35	2.35	2.48	2.57	2.64	2.68	**2.72**	1.4%	3.4%	1.4%
Vietnam	0.58	0.61	0.62	0.67	0.73	0.74	0.79	0.82	0.90	0.95	0.98	1.02	**1.07**	4.3%	5.3%	0.6%
Other Asia Pacific	0.52	0.51	0.55	0.64	0.66	0.68	0.73	0.79	0.87	0.89	0.92	0.97	**1.03**	6.5%	6.6%	0.5%
Total Asia Pacific	**52.46**	**52.23**	**52.66**	**55.97**	**57.75**	**60.18**	**61.17**	**62.13**	**64.50**	**66.88**	**68.82**	**70.27**	**71.54**	**1.8%**	**3.0%**	**37.1%**
Total World	**172.65**	**171.24**	**167.95**	**173.11**	**174.78**	**176.96**	**178.88**	**180.05**	**183.21**	**186.91**	**189.24**	**191.45**	**193.03**	**0.8%**	**1.1%**	**100.0%**
of which: OECD	97.95	94.49	89.55	90.22	89.07	88.16	87.61	86.72	87.87	89.07	89.81	90.32	**89.63**	-0.8%	-0.4%	46.4%
Non-OECD	74.70	76.75	78.40	82.89	85.70	88.80	91.27	93.33	95.34	97.84	99.44	101.13	**103.40**	2.2%	2.8%	53.6%
European Union #	30.38	30.07	28.40	28.14	27.31	26.27	25.64	25.17	25.57	26.13	26.55	26.49	**26.39**	-0.4%	-1.3%	13.7%

* Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of biogasoline (such as ethanol) and biodiesel are excluded while derivatives of coal and natural gas are included.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Differences between these world consumption figures and world production statistics are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.
Annual changes and shares of total are calculated using exajoules figures.

Oil: Regional consumption - by product group

Contents

Thousand barrels daily	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
North America																										
Light distillates	5584	5875	6099	6495	6729	6975	7258	7678	8045	7775	7896	8279	8539	8801	8548	8148	8012	7867	7907	8036	8088	8302	8580	8778	8900	8733
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7574	7473	7397	7448	7557	7629	7803	8069	8264	8372	8252
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	328	312	238	231	237	229	283	294	288	311	287
Middle distillates	3166	3316	3523	3795	3974	4099	4250	4579	4803	4748	4654	5007	5367	5603	5600	5116	4920	4609	4588	4840	4931	5087	5209	5443	5525	5496
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3964	3846	3543	3504	3650	3690	3760	3801	3975	4017	3982
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1152	1074	1066	1084	1190	1241	1327	1407	1467	1508	1515
Fuel oil	1773	1893	1987	2044	2213	2464	2579	2825	3116	2941	2783	3133	3401	3374	3193	2908	2478	2093	1853	1812	1663	1876	1763	1900	1938	1796
Others	2423	2517	2561	2778	3028	3084	3115	3411	3601	3508	3374	3584	3728	3716	3989	3859	3634	3589	3632	3871	3957	3969	4188	4308	4270	4272
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1725	1761	1832	1887	1990	2073	2033	2166	2220	2237	2158
Total North America	**12946**	**13601**	**14170**	**15113**	**15943**	**16622**	**17202**	**18493**	**19564**	**18973**	**18706**	**20004**	**21035**	**21494**	**21331**	**20032**	**19044**	**18158**	**17980**	**18558**	**18639**	**19234**	**19740**	**20428**	**20633**	**20298**
of which: US																										
Light distillates	5108	5369	5562	5921	6126	6336	6587	6969	7265	6974	7073	7423	7654	7855	7510	7077	6917	6834	6928	7048	7092	7299	7549	7730	7791	7602
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6613	6489	6461	6573	6681	6755	6918	7163	7332	7383	7239
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	247	230	165	148	144	123	178	182	185	203	182
Middle distillates	2704	2828	3004	3246	3399	3484	3623	3901	4096	3991	3878	4200	4576	4775	4759	4270	4102	3843	3894	4130	4222	4400	4510	4725	4781	4757
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3260	3166	2911	2928	3061	3104	3197	3235	3393	3412	3374
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1009	936	932	966	1068	1119	1203	1275	1332	1369	1383
Fuel oil	1508	1613	1677	1711	1859	2087	2192	2422	2702	2511	2357	2667	2929	2885	2706	2416	2015	1654	1432	1381	1226	1424	1264	1382	1366	1224
Others	2202	2290	2323	2526	2769	2802	2820	3089	3255	3155	3025	3171	3284	3241	3463	3299	3026	2963	2981	3167	3186	3158	3341	3447	3387	3357
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1464	1448	1471	1489	1549	1576	1488	1590	1630	1636	1532
Total US	**11522**	**12100**	**12567**	**13405**	**14153**	**14710**	**15223**	**16381**	**17318**	**16631**	**16334**	**17461**	**18443**	**18756**	**18438**	**17062**	**16060**	**15295**	**15235**	**15725**	**15726**	**16281**	**16665**	**17283**	**17325**	**16939**
S. & Cent. America																										
Light distillates	399	442	457	488	521	555	595	650	720	727	743	769	787	836	866	855	872	853	830	815	823	853	879	881	895	920
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	801	810	782	742	722	713	740	753	747	761	780
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	63	72	88	93	110	113	127	133	134	140
Middle distillates	431	445	465	495	534	571	610	652	707	760	789	831	892	943	992	1038	1045	1050	1020	1027	1024	1095	1149	1179	1178	1163
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	835	836	850	825	839	830	884	931	964	973	960
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	203	209	200	194	188	193	211	218	215	205	203
Fuel oil	582	610	622	661	665	722	754	795	876	886	836	864	884	899	949	943	887	809	753	735	677	694	709	721	718	677
Others	254	265	276	297	312	294	306	352	382	399	407	433	463	487	493	529	538	538	536	555	592	670	674	699	697	716
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	196	212	220	235	250	290	317	336	334	356
Total S. & Cent. America	**1667**	**1762**	**1820**	**1941**	**2033**	**2142**	**2265**	**2450**	**2686**	**2772**	**2775**	**2897**	**3026**	**3164**	**3300**	**3365**	**3343**	**3251**	**3139**	**3132**	**3115**	**3312**	**3411**	**3479**	**3488**	**3475**
of which: Brazil																										
Light distillates	102	114	115	141	153	165	180	215	259	271	276	282	267	283	282	239	238	240	227	215	230	249	245	248	264	283
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195	187	178	149	133	130	147	129	125	141	161
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	52	63	78	82	99	102	116	123	122	121
Middle distillates	65	71	75	86	112	137	152	176	210	238	255	283	306	333	359	378	379	399	386	395	413	448	471	489	494	470
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	332	329	348	337	352	369	399	422	441	444	424
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	50	51	49	43	44	48	49	48	50	46
Fuel oil	99	105	109	134	130	148	167	186	240	256	258	279	284	307	317	308	268	243	226	222	201	226	228	226	231	214
Others	40	44	45	52	62	63	66	72	88	95	100	114	124	144	165	155	156	184	179	200	208	245	264	262	248	262
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	91	107	112	119	122	144	159	164	166	178
Total Brazil	**306**	**335**	**345**	**412**	**457**	**513**	**564**	**649**	**797**	**860**	**888**	**958**	**982**	**1068**	**1123**	**1080**	**1041**	**1067**	**1018**	**1031**	**1052**	**1168**	**1207**	**1224**	**1236**	**1229**
Europe																										
Light distillates	1599	1820	2090	2241	2450	2615	2851	3087	3300	3218	3211	3395	3372	3815	3868	3677	3534	3584	3661	3695	3956	4144	4227	4380	4459	4662
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2786	2689	2715	2718	2767	3033	3140	3223	3320	3367	3522
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	843	799	819	892	878	873	957	963	1030	1065	1128
Middle distillates	2501	2767	3023	3424	3901	4460	4749	5089	5514	5001	5058	5469	5579	5855	5948	5492	5181	4997	5005	5044	5748	5966	6020	6017	5951	6080
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4925	4640	4465	4480	4499	5121	5310	5328	5277	5176	5265
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	567	541	533	525	545	627	655	692	740	776	815
Fuel oil	2954	3158	3350	3611	4015	4470	4599	4863	5162	4909	4497	4758	4516	4672	4799	4355	3880	3448	3017	2967	3407	3408	3283	3148	3114	3157
Others	1166	1292	1362	1499	1665	1778	1800	1913	2100	2006	1889	1987	2081	2180	2295	2245	2177	2084	2168	2210	2483	2581	2685	2745	2724	2662
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	606	607	599	606	669	789	803	861	856	856	876
Total Europe	**8219**	**9037**	**9826**	**10775**	**12031**	**13323**	**14000**	**14952**	**16076**	**15134**	**14654**	**15609**	**15548**	**16523**	**16910**	**15769**	**14772**	**14112**	**13851**	**13915**	**15594**	**16099**	**16214**	**16290**	**16248**	**16560**
of which: European Union																										
Light distillates	1516	1726	1985	2130	2333	2484	2708	2937	3124	3039	3016	3192	3157	3574	3638	3458	3319	3360	3430	3465	3514	3665	3719	3865	3947	4146
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2595	2494	2521	2521	2567	2623	2705	2773	2871	2919	3066
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816	781	791	861	851	844	914	906	964	1001	1069
Middle distillates	2312	2560	2801	3174	3625	4146	4399	4726	5123	4631	4675	5054	5137	5388	5488	5047	4771	4582	4553	4604	4894	5075	5115	5152	5135	5250
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4533	4278	4097	4075	4109	4364	4520	4527	4514	4461	4538
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	513	493	485	478	495	530	555	588	637	674	713
Fuel oil	2851	3039	3209	3453	3838	4268	4366	4615	4899	4649	4249	4484	4223	4369	4505	4079	3627	3195	2771	2731	2634	2628	2483	2390	2369	2400
Others	1120	1241	1307	1424	1587	1698	1716	1818	1983	1893	1776	1868	1955	2021	2133	2069	1998	1911	1971	2013	2017	2104	2175	2219	2237	2202
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	536	535	527	532	586	603	617	649	646	645	651
Total European Union *	**7799**	**8566**	**9302**	**10181**	**11383**	**12596**	**13188**	**14096**	**15129**	**14212**	**13716**	**14598**	**14473**	**15353**	**15764**	**14652**	**13715**	**13047**	**12725**	**12813**	**13060**	**13472**	**13493**	**13626**	**13689**	**13998**
CIS																										
Light distillates	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1355	1369	1372	1375	1397	1377
of which: gasoline	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1078	1098	1109	1120	1146	1141
of which: naphtha	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	277	271	264	255	251	236
Middle distillates	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2291	2270	2230	2191	2180	2133
of which: diesel/gasoil	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1759	1748	1717	1691	1681	1650
of which: jet/kerosene	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	532	523	513	500	499	483
Fuel oil	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1947	1981	1990	1987	2000	1982
Others	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1043	1104	1132	1159	1195	1210
of which: ethane and LPG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	178	186	195	202	214	231
Total CIS	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**6636**	**6725**	**6725**	**6712**	**6772**	**6702**
USSR																										
Light distillates	600	643	701	749	803	872	911	982	1057	1132	1279	1298	1429	1533	1561	1634	1656	1647	1626	1626	n/a	n/a	n/a	n/a	n/a	n/a
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1279	1308	1313	1308	1319	n/a	n/a	n/a	n/a	n/a	n/a
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	355	348	334	318	307	n/a	n/a	n/a	n/a	n/a	n/a
Middle distillates	1247	1336	1457	1556	1669	1812	1893	2041	2196	2360	2513	2612	2805	3015	3008	3086	3064	2987	2891	2834	n/a	n/a	n/a	n/a	n/a	n/a
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2377	2368	2316	2248	2209	n/a	n/a	n/a	n/a	n/a	n/a
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	709	695	671	643	625	n/a	n/a	n/a	n/a	n/a	n/a
Fuel oil	1026	1099	1199	1280	1373	1491	1558	1680	1807	1947	1994	2132	2220	2356	2405	2522	2558	2548	2518	2519	n/a	n/a	n/a	n/a	n/a	n/a
Others	441	472	510	522	531	652	765	844	921	1149	1125	1012	922	919	993	1096	1164	1208	1238	1281	n/a	n/a	n/a	n/a	n/a	n/a
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	218	231	240	248	259	n/a	n/a	n/a	n/a	n/a	n/a
Total USSR	**3314**	**3549**	**3866**	**4107**	**4376**	**4826**	**5127**	**5547**	**5981**	**6588**	**6912**	**7055**	**7376**	**7822**	**7968**	**8338**	**8442**	**8388**	**8273**	**8259**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**
Middle East																										
Light distillates	153	156	159	162	167	173	180	195	212	234	234	259	305	327	377	332	336	358	410	434	479	473	478	498	539	565
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	303	324	344	395	420	462	456	461	477	506	541
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	12	13	14	14	16	16	17	20	32	24
Middle distillates	259	268	282	293	308	324	337	366	411	453	480	552	629	638	721	769	831	927	1050	1110	1131	1099	1150	1174	1235	1294
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	525	592	663	747	810	833	821	825	836	857	880
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	244	239	264	303	300	298	278	325	338	378	414
Fuel oil	273	282	291	301	311	318	344	372	386	393	348	401	449	462	525	565	659	698	769	841	909	930	984	994	950	957
Others	185	188	192	195	199	229	237	247	267	281	254	290	324	349	395	266	290	345	368	447	492	500	565	645	696	672
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114	119	136	157	200	222	263	293	318	348	335
Total Middle East	**870**	**894**	**923**	**951**	**985**	**1044**	**1098**	**1180**	**1276**	**1361**	**1317**	**1502**	**1706**	**1776**	**2018**	**1933**	**2116**	**2327**	**2597**	**2833**	**3012**	**3001**	**3177**	**3310**	**3420**	**3489**
Africa																										
Light distillates	125	132	142	150	163	174	188	204	218	221	233	259	273	299	311	333	356	382	386	389	407	405	439	469	485	497
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	332	354	379	383	387	405	404	424	445	459	472
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	2	2	1	16	23	26	25
Middle distillates	228	248	253	263	277	295	338	370	395	409	434	478	512	546	576	607	645	667	688	698	710	688	711	742	768	783
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	448	481	496	514	518	515	493	511	534	545	564
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	159	164	171	174	180	195	194	200	208	223	220
Fuel oil	142	162	143	152	136	166	190	198	216	221	222	250	256	258	284	301	321	337	351	355	349	351	353	380	395	391
Others	55	59	61	65	69	75	86	96	107	116	126	136	153	158	175	178	191	204	218	233	254	254	283	275	293	309
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	62	66	75	83	89	95	102	106	116	138
Total Africa	**550**	**601**	**598**	**630**	**644**	**710**	**801**	**868**	**935**	**967**	**1014**	**1124**	**1194**	**1260**	**1345**	**1419**	**1513**	**1590**	**1643**	**1675**	**1721**	**1697**	**1786**	**1865**	**1942**	**1980**
Asia Pacific																										
Light distillates	630	727	815	906	1058	1223	1397	1517	1692	1696	1715	1860	1952	2177	2259	2102	2066	2068	2140	2245	2389	2492	2590	2788	2994	3045
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1406	1407	1432	1471	1520	1603	1678	1759	1878	2009	2118
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	691	654	632	664	720	762	791	829	909	959	897
Middle distillates	784	912	1038	1195	1376	1604	1876	2044	2408	2420	2547	2722	2904	3175	3354	3157	3248	3249	3362	3543	3607	3797	4038	4427	4719	5015
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2105	2145	2157	2246	2347	2471	2593	2777	3067	3336	3537
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1051	1103	1092	1117	1195	1136	1204	1261	1360	1383	1478
Fuel oil	1375	1535	1860	2125	2480	2914	3223	3407	3880	3831	3670	3820	4008	4152	4115	3833	3520	3203	3132	3036	2727	2745	2732	2986	3172	3397
Others	416	520	587	676	801	905	897	972	1078	1050	1033	1114	1172	1353	1425	1462	1469	1500	1548	1712	1879	1999	2022	2122	2244	2404
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	608	631	682	710	788	873	927	906	953	1043	1131
Total Asia Pacific	**3205**	**3693**	**4300**	**4902**	**5715**	**6646**	**7393**	**7940**	**9058**	**8996**	**8964**	**9516**	**10036**	**10857**	**11152**	**10553**	**10304**	**10020**	**10183**	**10535**	**10602**	**11033**	**11382**	**12322**	**13130**	**13861**
of which: China																										
Light distillates	33	42	42	45	61	85	110	129	161	186	209	253	272	289	311	259	254	275	303	326	366	390	426	483	511	519
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	229	216	228	251	275	320	344	373	409	425	436
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	38	47	51	52	46	46	54	73	86	83
Middle distillates	74	96	94	103	139	191	249	292	365	421	464	523	552	591	635	425	418	405	423	447	487	524	564	611	649	635
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	344	341	330	342	362	402	438	479	532	569	557
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	77	75	81	85	85	85	85	79	80	78
Fuel oil	80	104	102	111	150	207	301	336	394	454	497	555	583	719	645	716	664	640	621	612	599	632	644	663	690	657
Others	29	35	36	39	51	72	94	107	138	155	172	203	217	220	237	307	290	294	308	328	355	379	415	446	465	486
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	35	38	46	47	49	64	66	74	79	81
Total China	**215**	**277**	**273**	**298**	**401**	**554**	**753**	**865**	**1058**	**1217**	**1342**	**1534**	**1625**	**1819**	**1827**	**1707**	**1625**	**1614**	**1654**	**1713**	**1807**	**1925**	**2048**	**2203**	**2315**	**2297**
of which: India																										
Light distillates	21	21	21	24	33	35	63	67	73	69	73	82	88	92	96	87	108	110	108	123	126	131	136	144	157	164
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	36	39	42	46	51	56	60	68	77	82
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	72	72	66	77	74	76	76	76	80	82
Middle distillates	81	90	92	108	128	126	203	214	225	229	237	253	277	302	328	344	364	394	419	449	487	518	536	603	660	683
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	231	241	259	277	295	323	343	348	403	447	464
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	113	123	135	142	154	164	175	188	200	212	219
Fuel oil	55	64	71	73	80	77	90	101	107	105	107	104	107	118	131	134	134	130	137	142	144	145	148	154	161	166
Others	96	107	105	119	151	151	60	66	69	62	60	64	70	75	79	78	91	93	101	109	139	150	154	169	186	197
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	15	18	22	28	37	45	45	60	69	76
Total India	**252**	**282**	**289**	**324**	**392**	**390**	**416**	**447**	**474**	**464**	**477**	**503**	**542**	**588**	**634**	**643**	**697**	**728**	**765**	**823**	**896**	**944**	**974**	**1069**	**1164**	**1210**
of which: Japan																										
Light distillates	296	356	427	491	578	696	797	875	979	945	901	994	1021	1173	1191	1080	1029	998	1029	1062	1068	1099	1136	1211	1294	1207
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	560	573	575	581	586	593	608	619	639	684	721
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	520	456	423	448	476	474	492	517	572	609	484
Middle distillates	278	325	389	461	544	655	744	838	1039	1034	1029	1104	1139	1258	1283	1246	1267	1210	1245	1338	1328	1391	1449	1599	1651	1731
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	758	755	735	752	792	803	838	889	979	1050	1119
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	488	512	475	493	545	525	553	560	620	601	612
Fuel oil	931	1019	1278	1464	1742	2041	2196	2276	2606	2479	2284	2290	2356	2277	2262	1887	1668	1441	1397	1370	1136	1078	1037	1123	1148	1267
Others	200	245	295	350	420	484	549	582	641	611	574	588	612	771	809	776	786	804	786	904	955	974	934	946	1002	1035
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	473	491	525	520	575	625	637	591	590	635	655
Total Japan	**1705**	**1945**	**2388**	**2765**	**3284**	**3876**	**4285**	**4571**	**5265**	**5068**	**4788**	**4976**	**5128**	**5479**	**5545**	**4989**	**4750**	**4453**	**4458**	**4674**	**4487**	**4542**	**4556**	**4879**	**5094**	**5240**
World																										
Light distillates	9090	9794	10463	11193	11890	12586	13380	14314	15243	15004	15310	16119	16656	17788	17791	17082	16832	16759	16961	17240	17498	18038	18566	19168	19669	19798
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14481	14364	14362	14466	14692	14923	15318	15798	16252	16620	16826
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2302	2190	2110	2211	2251	2269	2432	2510	2658	2779	2737
Middle distillates	8615	9292	10041	11021	12040	13165	14052	15141	16435	16151	16475	17671	18688	19774	20200	19264	18933	18485	18604	19094	19443	20002	20507	21172	21556	21964
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15179	14908	14489	14565	14871	15219	15609	15889	16344	16585	16837
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4085	4025	3995	4039	4223	4223	4393	4617	4828	4971	5127
Fuel oil	8125	8739	9451	10175	11193	12546	13247	14139	15443	15128	14350	15359	15734	16172	16269	15426	14304	13135	12392	12265	11679	11985	11815	12115	12288	12356
Others	4941	5312	5548	6031	6604	7016	7206	7835	8456	8508	8207	8557	8842	9162	9766	9636	9464	9467	9708	10309	10699	11076	11548	11953	12119	12245
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3518	3607	3767	3903	4224	4472	4597	4840	4992	5149	5226
Total World	**30771**	**33137**	**35503**	**38420**	**41727**	**45313**	**47886**	**51430**	**55577**	**54790**	**54342**	**57706**	**59921**	**62896**	**64025**	**61408**	**59533**	**57845**	**57665**	**58908**	**59319**	**61101**	**62436**	**64407**	**65632**	**66364**
OECD																										
Light distillates	7618	8194	8757	9373	9914	10442	11077	11820	12506	12137	12202	12849	13144	14017	13862	13155	12851	12709	12866	13075	13249	13681	14058	14513	14853	14835
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11141	10975	10924	10991	11162	11311	11608	11968	12309	12541	12611
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1720	1603	1503	1596	1622	1634	1787	1833	1949	2045	1990
Middle distillates	5972	6442	6968	7718	8458	9258	9773	10540	11395	10829	10797	11642	12159	12815	12921	11956	11504	10955	10989	11405	11794	12268	12549	13017	13169	13431
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9684	9312	8811	8812	9050	9387	9706	9833	10123	10212	10370
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2271	2192	2144	2177	2355	2407	2561	2715	2894	2957	3061
Fuel oil	5727	6149	6704	7223	8062	9097	9495	10076	11004	10463	9676	10301	10391	10414	10356	9263	8144	7092	6385	6259	5724	5845	5530	5713	5805	5802
Others	3791	4089	4253	4664	5151	5381	5495	5932	6378	6146	5851	6174	6436	6677	7103	6892	6618	6505	6607	7033	7185	7323	7614	7852	7869	7906
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2826	2883	2988	3054	3287	3461	3454	3602	3671	3756	3733
Total OECD	**23109**	**24873**	**26682**	**28978**	**31585**	**34178**	**35839**	**38369**	**41284**	**39574**	**38525**	**40966**	**42130**	**43923**	**44242**	**41265**	**39118**	**37261**	**36846**	**37772**	**37952**	**39117**	**39751**	**41094**	**41696**	**41975**
Non-OECD																										
Light distillates	1472	1601	1706	1820	1976	2144	2304	2494	2737	2867	3108	3270	3512	3771	3928	3927	3981	4050	4095	4165	4249	4356	4508	4655	4816	4963
of which: gasoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3340	3389	3438	3475	3530	3612	3709	3829	3943	4080	4215
of which: naphtha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	582	587	607	614	630	635	645	677	710	734	746
Middle distillates	2643	2850	3073	3303	3582	3907	4279	4601	5040	5322	5678	6029	6529	6959	7279	7308	7429	7530	7615	7690	7648	7734	7958	8155	8387	8533
of which: diesel/gasoil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5495	5595	5679	5753	5822	5832	5903	6056	6221	6373	6468
of which: jet/kerosene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1813	1834	1851	1862	1868	1816	1831	1902	1934	2014	2066
Fuel oil	2398	2590	2748	2952	3131	3449	3753	4063	4439	4665	4675	5058	5344	5758	5913	6163	6160	6042	6008	6006	5955	6140	6285	6403	6482	6554
Others	1149	1224	1295	1367	1454	1635	1711	1903	2078	2362	2356	2383	2406	2485	2663	2744	2845	2962	3102	3276	3514	3753	3935	4101	4250	4339
of which: ethane and LPG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	692	724	780	849	938	1011	1143	1239	1321	1393	1493
Total Non-OECD	**7662**	**8264**	**8821**	**9442**	**10142**	**11135**	**12047**	**13061**	**14293**	**15217**	**15817**	**16740**	**17791**	**18974**	**19783**	**20143**	**20415**	**20585**	**20819**	**21136**	**21367**	**21983**	**22685**	**23313**	**23936**	**24389**

Thousand barrels daily	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
North America																																
Light distillates	8610	8754	8886	9001	9138	9318	9471	9751	9896	9990	10089	10378	10481	10747	10754	10760	10734	10207	10094	10087	9821	9693	9870	9914	10132	10303	10236	10258	**10139**	-1.2%	0.1%	43.1%
of which: gasoline	8168	8302	8481	8628	8800	8935	9078	9333	9526	9569	9730	9975	10056	10239	10295	10326	10328	9864	9789	9710	9460	9362	9493	9566	9799	9975	9951	9967	**9876**	-0.9%	0.1%	42.0%
of which: naphtha	256	297	282	316	312	372	384	411	366	416	353	406	425	507	458	434	406	335	304	377	361	331	376	349	333	328	285	291	**263**	-9.4%	-1.4%	1.1%
Middle distillates	5369	5447	5598	5893	5934	6193	6397	6449	6627	6817	6811	6653	6859	7131	7243	7279	7295	6914	6259	6548	6631	6345	6419	6694	6711	6616	6789	7092	**6981**	-1.6%	0.3%	29.7%
of which: diesel/gasoil	3903	3966	4065	4231	4248	4410	4583	4591	4713	4857	4926	4829	5061	5258	5311	5409	5449	5180	4689	4929	4994	4758	4788	5017	4945	4776	4869	5129	**4969**	-3.1%	-0.1%	21.1%
of which: jet/kerosene	1466	1481	1533	1662	1686	1783	1814	1858	1914	1960	1885	1824	1797	1873	1933	1871	1845	1734	1571	1619	1637	1587	1631	1676	1766	1840	1920	1963	**2012**	2.5%	1.2%	8.5%
Fuel oil	1678	1597	1549	1546	1316	1326	1327	1481	1391	1493	1386	1187	1253	1340	1396	1055	1081	941	801	810	745	662	576	447	418	474	519	478	**409**	-14.5%	-6.5%	1.7%
Others	4348	4568	4541	4744	4817	5042	5097	5030	5447	5288	5267	5426	5384	5564	5446	5505	5532	5160	5081	5251	5248	5307	5521	5428	5548	5568	5616	5864	**6007**	2.4%	1.3%	25.5%
of which: ethane and LPG	2331	2421	2406	2531	2662	2758	2785	2724	3024	3038	2891	3053	2931	3030	2891	2936	3004	2842	2929	3063	3121	3167	3364	3330	3392	3439	3505	3742	**3808**	1.8%	2.8%	16.2%
Total North America	**20005**	**20366**	**20573**	**21185**	**21205**	**21879**	**22291**	**22710**	**23361**	**23588**	**23553**	**23645**	**23977**	**24783**	**24839**	**24600**	**24643**	**23221**	**22235**	**22697**	**22445**	**22006**	**22385**	**22483**	**22810**	**22961**	**23160**	**23692**	**23536**	**-0.7%**	**0.2%**	**100.0%**
of which: US																																
Light distillates	7472	7606	7717	7796	7935	8103	8242	8488	8621	8706	8776	9032	9091	9287	9283	9242	9148	8623	8537	8425	8181	8094	8263	8287	8503	8613	8621	8633	**8545**	-1.0%	♦	44.0%
of which: gasoline	7140	7265	7422	7541	7723	7850	7961	8184	8361	8386	8519	8735	8771	8897	8918	8913	8855	8375	8291	8168	7926	7858	7993	8056	8280	8394	8393	8400	**8338**	-0.7%	♦	43.0%
of which: naphtha	156	196	183	208	195	250	280	305	262	319	258	304	320	390	365	328	294	248	246	256	254	236	270	231	223	219	228	233	**207**	-11.3%	-0.6%	1.1%
Middle distillates	4650	4711	4844	5084	5132	5342	5502	5545	5700	5852	5883	5734	5885	6114	6192	6209	6176	5781	5220	5447	5460	5220	5278	5539	5559	5468	5613	5833	**5820**	-0.2%	0.1%	30.0%
of which: diesel/gasoil	3309	3359	3437	3555	3581	3705	3839	3844	3952	4059	4155	4070	4253	4420	4443	4523	4522	4228	3809	3995	4022	3816	3838	4060	4005	3845	3925	4121	**4073**	-1.2%	-0.3%	21.0%
of which: jet/kerosene	1342	1351	1407	1529	1551	1637	1664	1701	1748	1793	1728	1664	1633	1694	1749	1687	1655	1553	1411	1452	1438	1403	1440	1479	1555	1623	1687	1712	**1747**	2.0%	1.0%	9.0%
Fuel oil	1147	1079	1062	1003	835	831	777	869	814	893	794	686	763	859	914	683	718	609	508	532	459	367	317	256	258	325	341	317	**272**	-14.1%	-6.3%	1.4%
Others	3389	3573	3539	3751	3733	3969	4017	3924	4290	4143	4082	4172	4109	4239	4143	4178	4166	3827	3766	3921	3883	3913	4147	4054	4203	4212	4309	4644	**4763**	2.6%	2.0%	24.6%
of which: ethane and LPG	1666	1726	1711	1853	1880	1998	2029	1942	2184	2219	2031	2153	2057	2123	2018	2045	2078	1947	2043	2166	2201	2247	2436	2389	2446	2463	2533	2867	**2925**	2.0%	3.9%	15.1%
Total US	**16659**	**16969**	**17161**	**17635**	**17635**	**18245**	**18539**	**18827**	**19425**	**19594**	**19534**	**19625**	**19848**	**20499**	**20532**	**20313**	**20208**	**18841**	**18030**	**18324**	**17983**	**17594**	**18006**	**18136**	**18524**	**18618**	**18883**	**19428**	**19400**	**-0.1%**	**0.3%**	**100.0%**
S. & Cent. America																																
Light distillates	951	963	1004	1079	1120	1154	1229	1259	1321	1233	1224	1192	1175	1175	1231	1270	1298	1303	1363	1452	1574	1643	1672	1692	1663	1683	1710	1595	**1586**	-0.6%	2.0%	26.8%
of which: gasoline	815	823	851	909	958	1000	1040	1076	1116	1032	1030	1028	1001	996	1049	1085	1106	1133	1181	1265	1390	1458	1511	1534	1490	1523	1533	1446	**1435**	-0.8%	2.5%	24.2%
of which: naphtha	135	140	153	170	162	155	188	183	205	201	194	165	174	179	182	184	193	169	182	187	184	185	161	157	173	160	177	149	**151**	1.4%	-1.3%	2.5%
Middle distillates	1202	1255	1291	1370	1450	1504	1601	1679	1667	1680	1732	1715	1721	1847	1871	1906	2094	2147	2101	2301	2408	2522	2641	2647	2619	2542	2536	2556	**2579**	0.9%	1.8%	43.5%
of which: diesel/gasoil	1005	1053	1083	1156	1218	1259	1353	1425	1418	1429	1485	1490	1506	1630	1643	1677	1849	1899	1853	2030	2123	2223	2335	2325	2293	2213	2205	2211	**2230**	0.8%	1.5%	37.6%
of which: jet/kerosene	197	201	208	213	232	245	248	254	248	251	247	224	214	218	228	229	245	248	248	272	285	299	306	321	325	330	331	344	**349**	1.3%	3.3%	5.9%
Fuel oil	659	649	663	694	697	715	772	805	669	746	759	745	699	711	726	755	760	786	740	716	686	697	679	693	690	629	567	543	**520**	-4.3%	-3.6%	8.8%
Others	704	872	854	895	913	891	924	966	1065	1060	1098	1132	1060	1090	1157	1237	1221	1350	1315	1321	1394	1372	1426	1389	1326	1281	1265	1253	**1240**	-1.0%	-0.7%	20.9%
of which: ethane and LPG	363	386	408	423	445	460	479	499	518	529	546	555	510	524	566	595	631	648	645	639	675	712	712	705	697	713	723	723	**728**	0.7%	1.1%	12.3%
Total S. & Cent. America	**3515**	**3738**	**3812**	**4037**	**4179**	**4265**	**4525**	**4710**	**4721**	**4720**	**4813**	**4784**	**4655**	**4823**	**4985**	**5168**	**5373**	**5586**	**5519**	**5791**	**6061**	**6234**	**6418**	**6420**	**6298**	**6136**	**6078**	**5946**	**5923**	**-0.4%**	**0.6%**	**100.0%**
of which: Brazil																																
Light distillates	292	284	316	356	388	420	480	492	593	483	475	434	440	457	471	494	497	482	497	566	636	683	695	717	677	686	719	618	**617**	-0.2%	2.5%	25.7%
of which: gasoline	174	162	183	204	238	279	304	322	402	296	297	287	281	294	305	328	319	326	329	393	468	514	549	575	522	541	556	483	**481**	-0.5%	4.0%	20.1%
of which: naphtha	118	121	134	151	149	141	176	171	191	187	179	147	159	163	166	166	177	156	168	173	168	169	147	142	155	145	163	135	**136**	0.9%	-1.5%	5.7%
Middle distillates	489	511	524	542	581	605	640	686	681	684	714	732	716	757	752	749	795	841	830	956	1021	1086	1134	1163	1113	1049	1059	1082	**1108**	2.4%	2.6%	46.2%
of which: diesel/gasoil	442	456	468	484	514	534	564	605	600	608	642	659	643	682	674	671	710	750	736	849	901	961	1009	1034	986	933	944	959	**987**	3.0%	2.5%	41.2%
of which: jet/kerosene	48	55	56	58	67	71	76	81	81	76	72	73	73	75	77	77	85	91	94	108	120	126	125	129	127	116	115	124	**120**	-2.6%	3.1%	5.0%
Fuel oil	210	188	201	212	217	238	261	262	188	244	213	190	159	147	155	153	169	185	179	152	126	126	139	161	149	112	110	90	**91**	1.0%	-6.9%	3.8%
Others	251	346	348	375	367	372	383	399	428	432	484	489	479	493	516	543	555	589	571	596	648	615	687	680	621	589	592	587	**582**	-0.7%	♦	24.3%
of which: ethane and LPG	174	178	191	199	207	207	218	229	238	244	244	237	222	229	230	250	255	268	257	267	290	300	316	307	300	303	309	308	**313**	1.4%	1.4%	13.0%
Total Brazil	**1242**	**1329**	**1389**	**1484**	**1553**	**1635**	**1764**	**1838**	**1889**	**1843**	**1886**	**1845**	**1794**	**1854**	**1894**	**1939**	**2015**	**2096**	**2078**	**2271**	**2432**	**2509**	**2655**	**2721**	**2559**	**2436**	**2481**	**2377**	**2398**	**0.9%**	**1.3%**	**100.0%**
Europe																																
Light distillates	4548	4509	4376	4426	4507	4514	4576	4595	4552	4452	4362	4302	4187	4152	4045	3903	3844	3582	3504	3435	3221	3072	2988	2915	2839	2850	2884	2869	**2835**	-1.2%	-2.2%	19.0%
of which: gasoline	3488	3452	3361	3331	3340	3371	3394	3390	3372	3222	3192	3154	3041	2988	2865	2772	2679	2528	2451	2313	2212	2098	2029	1995	1945	1949	1952	1943	**1958**	0.8%	-2.6%	13.1%
of which: naphtha	1052	1052	1013	1095	1166	1143	1181	1204	1180	1229	1170	1148	1146	1163	1179	1130	1165	1054	1053	1123	1009	974	959	920	894	901	932	926	**877**	-5.3%	-1.3%	5.9%
Middle distillates	6173	6077	6063	6037	6187	6523	6580	6767	6848	6863	7155	7098	7307	7481	7657	7837	7717	7869	7538	7630	7512	7364	7449	7380	7733	7880	8120	8140	**8221**	1.0%	0.3%	55.2%
of which: diesel/gasoil	5380	5248	5224	5179	5292	5578	5590	5718	5737	5718	6020	5994	6175	6277	6394	6535	6381	6537	6284	6381	6256	6138	6201	6102	6386	6493	6646	6602	**6650**	0.7%	0.1%	44.6%
of which: jet/kerosene	793	830	839	858	894	945	990	1049	1110	1146	1135	1104	1132	1203	1264	1302	1336	1332	1254	1249	1255	1227	1247	1278	1347	1387	1474	1537	**1570**	2.1%	1.4%	10.5%
Fuel oil	2980	2756	2546	2415	2402	2309	2207	2305	2146	1909	1936	1933	1892	1818	1830	1798	1694	1633	1481	1338	1291	1166	1041	969	923	965	975	964	**931**	-3.4%	-5.1%	6.3%
Others	2641	2717	2636	2698	2762	2754	2864	2924	2900	2984	3045	3108	3145	3203	3256	3283	3254	3213	3039	3007	2952	2856	2818	2768	2865	2973	3012	2964	**2909**	-1.8%	-0.8%	19.5%
of which: ethane and LPG	924	911	857	887	923	886	911	929	953	969	974	999	1010	1025	1056	1006	1024	1032	1021	1017	1007	997	1125	1139	1157	1191	1223	1239	**1212**	-2.2%	1.8%	8.1%
Total Europe	**16342**	**16059**	**15621**	**15576**	**15858**	**16100**	**16226**	**16591**	**16446**	**16209**	**16497**	**16441**	**16532**	**16654**	**16788**	**16822**	**16509**	**16297**	**15561**	**15409**	**14976**	**14458**	**14296**	**14032**	**14360**	**14669**	**14991**	**14936**	**14896**	**-0.3%**	**-0.9%**	**100.0%**
of which: European Union																																
Light distillates	4072	4095	4006	4064	4142	4108	4141	4164	4156	4078	3985	3917	3831	3770	3677	3528	3484	3236	3139	3088	2897	2762	2683	2640	2572	2579	2616	2616	**2574**	-1.6%	-2.1%	19.9%
of which: gasoline	3061	3074	3025	3006	3015	3008	3009	3014	3014	2887	2856	2814	2724	2650	2525	2431	2353	2208	2140	2019	1933	1832	1773	1763	1732	1736	1747	1745	**1758**	0.7%	-2.3%	13.6%
of which: naphtha	1003	1015	978	1058	1127	1099	1132	1149	1142	1191	1128	1102	1107	1119	1151	1097	1131	1027	999	1069	965	929	910	877	840	843	868	871	**816**	-6.3%	-1.6%	6.3%
Middle distillates	5409	5402	5428	5438	5581	5879	5942	6148	6215	6232	6499	6415	6608	6754	6922	7053	6891	7004	6703	6785	6648	6479	6558	6440	6709	6831	7020	7031	**7085**	0.8%	♦	54.9%
of which: diesel/gasoil	4708	4656	4664	4655	4767	5027	5049	5199	5200	5178	5453	5405	5571	5647	5760	5848	5663	5779	5553	5634	5491	5349	5383	5304	5538	5618	5725	5683	**5713**	0.5%	-0.2%	44.2%
of which: jet/kerosene	700	745	764	782	814	853	893	950	1015	1054	1046	1010	1037	1107	1163	1204	1229	1224	1150	1152	1157	1130	1135	1135	1171	1213	1295	1348	**1372**	1.8%	1.0%	10.6%
Fuel oil	2303	2203	2150	2079	2067	2034	1945	2045	1916	1687	1710	1699	1656	1601	1617	1597	1505	1462	1303	1210	1165	1050	927	858	815	854	854	862	**833**	-3.3%	-5.1%	6.5%
Others	2206	2342	2328	2411	2456	2485	2578	2610	2597	2645	2685	2757	2761	2809	2848	2865	2847	2826	2634	2586	2548	2449	2398	2377	2411	2482	2506	2467	**2420**	-1.9%	-1.4%	18.7%
of which: ethane and LPG	702	717	703	735	745	752	762	769	793	769	782	811	805	810	837	802	823	842	821	810	798	793	910	926	929	957	982	989	**959**	-3.0%	1.6%	7.4%
Total European Union *	**13990**	**14042**	**13913**	**13991**	**14247**	**14506**	**14606**	**14967**	**14884**	**14641**	**14879**	**14787**	**14856**	**14934**	**15064**	**15043**	**14727**	**14527**	**13779**	**13669**	**13258**	**12740**	**12526**	**12315**	**12507**	**12746**	**12996**	**12976**	**12913**	**-0.5%**	**-1.1%**	**100.0%**
CIS																																
Light distillates	1349	1214	1029	1013	950	845	869	839	845	817	859	903	947	932	948	997	1061	1118	1104	1161	1172	1204	1246	1254	1245	1246	1264	1296	**1282**	-1.1%	1.5%	30.3%
of which: gasoline	1126	1015	853	855	810	732	753	728	704	653	695	738	774	746	765	811	868	924	925	968	981	1030	1050	1073	1053	1044	1037	1050	**1043**	-0.6%	1.3%	24.7%
of which: naphtha	223	199	176	158	140	113	115	111	141	164	165	164	173	186	183	186	192	193	178	191	189	173	194	180	191	201	226	246	**238**	-3.2%	2.4%	5.6%
Middle distillates	2045	1801	1334	1114	1015	927	932	872	873	888	893	892	925	932	973	1015	1075	1150	1052	1148	1250	1255	1243	1220	1172	1194	1248	1339	**1394**	4.1%	1.5%	33.0%
of which: diesel/gasoil	1580	1401	1021	851	768	701	707	659	661	667	670	662	692	695	715	747	802	865	791	873	942	942	945	906	889	915	942	1013	**1060**	4.6%	1.6%	25.1%
of which: jet/kerosene	465	399	313	263	247	225	224	213	212	222	223	230	233	237	258	268	272	285	261	275	308	314	298	314	283	279	307	326	**335**	2.7%	1.4%	7.9%
Fuel oil	1914	1753	1563	1340	1100	967	888	891	821	685	616	602	577	509	493	542	403	376	343	336	358	354	363	432	366	373	341	346	**351**	1.4%	-0.8%	8.3%
Others	1206	1334	1095	899	801	640	678	602	700	843	899	798	913	981	938	943	985	957	989	921	1058	1121	1062	1191	1168	1222	1168	1177	**1200**	2.0%	2.1%	28.4%
of which: ethane and LPG	234	222	179	177	178	151	178	139	193	243	213	233	273	298	324	346	362	382	389	379	435	460	517	561	579	621	641	681	**732**	7.5%	5.9%	17.3%
Total CIS	**6514**	**6102**	**5021**	**4366**	**3865**	**3379**	**3367**	**3203**	**3238**	**3234**	**3269**	**3195**	**3362**	**3354**	**3352**	**3497**	**3523**	**3600**	**3487**	**3566**	**3838**	**3934**	**3914**	**4097**	**3952**	**4036**	**4021**	**4157**	**4227**	**1.7%**	**1.5%**	**100.0%**
USSR																																
Light distillates	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
of which: gasoline	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
of which: naphtha	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Middle distillates	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
of which: diesel/gasoil	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
of which: jet/kerosene	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Fuel oil	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Others	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
of which: ethane and LPG	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Total USSR	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**-**	**n/a**	**n/a**	**n/a**
Middle East																																
Light distillates	555	632	669	760	804	847	880	923	914	950	1034	1110	1184	1254	1345	1424	1453	1565	1627	1665	1760	1845	1908	1979	2024	2077	2233	2300	**2370**	3.1%	3.9%	25.2%
of which: gasoline	518	559	596	687	711	723	749	785	789	830	883	935	984	1046	1128	1210	1221	1280	1340	1369	1423	1501	1585	1611	1642	1688	1802	1818	**1867**	2.7%	3.6%	19.8%
of which: naphtha	37	73	70	71	87	122	129	135	122	120	151	175	200	208	217	214	232	285	288	296	336	344	324	369	382	389	431	482	**503**	4.5%	5.4%	5.3%
Middle distillates	1334	1339	1400	1494	1456	1481	1542	1554	1575	1706	1760	1802	1794	1872	2013	2133	2263	2306	2303	2283	2408	2511	2637	2536	2442	2370	2242	2200	**2336**	6.2%	-0.5%	24.8%
of which: diesel/gasoil	929	936	978	1067	1036	1061	1125	1139	1171	1267	1322	1361	1366	1444	1582	1691	1805	1862	1856	1846	1973	2075	2150	2069	1904	1805	1701	1661	**1773**	6.7%	-1.1%	18.8%
of which: jet/kerosene	405	404	422	427	419	421	417	415	404	439	438	441	428	429	431	442	458	444	447	437	434	436	488	467	538	565	542	540	**564**	4.4%	2.0%	6.0%
Fuel oil	1086	1157	1253	1408	1426	1395	1508	1368	1309	1346	1365	1326	1393	1499	1518	1535	1580	1749	1902	1938	1953	1993	2066	2099	2127	2118	2059	2007	**2022**	0.7%	1.4%	21.5%
Others	670	724	823	922	914	995	1021	1017	1055	1085	1161	1218	1303	1373	1576	1631	1677	1772	1898	2101	2173	2293	2257	2379	2394	2626	2622	2666	**2687**	0.8%	4.2%	28.5%
of which: ethane and LPG	334	357	391	436	459	525	537	549	587	630	727	792	840	896	1032	1027	1044	1142	1309	1569	1743	1840	1800	1903	1918	2054	2100	2182	**2194**	0.5%	6.7%	23.3%
Total Middle East	**3646**	**3851**	**4145**	**4585**	**4601**	**4719**	**4951**	**4862**	**4853**	**5087**	**5320**	**5456**	**5674**	**5998**	**6452**	**6722**	**6973**	**7391**	**7730**	**7987**	**8293**	**8642**	**8868**	**8993**	**8987**	**9191**	**9156**	**9174**	**9416**	**2.6%**	**2.2%**	**100.0%**
Africa																																
Light distillates	506	510	525	536	554	544	558	568	575	579	598	595	638	678	701	686	703	761	802	837	818	870	885	904	968	1041	1077	1103	**1126**	2.1%	3.8%	27.5%
of which: gasoline	484	500	506	520	537	533	541	550	554	554	572	583	612	656	673	657	679	732	772	810	811	867	881	900	965	1037	1073	1099	**1122**	2.1%	4.1%	27.4%
of which: naphtha	21	10	19	16	17	11	17	18	20	25	26	13	26	22	28	29	24	29	30	27	7	3	4	4	4	4	4	4	**4**	0.4%	-18.0%	0.1%
Middle distillates	784	793	816	845	879	907	937	980	1041	1075	1102	1135	1165	1192	1247	1298	1375	1457	1512	1624	1617	1681	1793	1834	1864	1835	1875	1896	**1941**	2.3%	2.7%	47.4%
of which: diesel/gasoil	576	582	602	624	653	668	697	734	783	812	847	884	908	933	979	1026	1100	1159	1219	1304	1315	1375	1476	1535	1601	1580	1614	1636	**1678**	2.6%	3.5%	41.0%
of which: jet/kerosene	209	210	214	221	226	239	240	246	258	263	255	251	257	259	268	272	275	298	294	320	303	306	317	299	263	254	260	260	**262**	0.9%	-1.3%	6.4%
Fuel oil	395	404	393	393	408	421	441	448	446	411	388	380	385	398	447	421	422	434	445	461	395	443	442	440	429	406	376	356	**355**	-0.1%	-2.0%	8.7%
Others	307	327	333	344	351	366	370	371	389	399	423	451	448	486	504	520	529	544	562	566	575	582	592	594	597	612	611	631	**675**	6.9%	1.5%	16.5%
of which: ethane and LPG	135	147	151	165	172	173	186	200	201	204	218	238	250	264	285	298	321	341	351	363	372	381	386	387	386	399	411	425	**463**	9.2%	2.2%	11.3%
Total Africa	**1992**	**2034**	**2066**	**2118**	**2193**	**2238**	**2307**	**2368**	**2450**	**2464**	**2510**	**2561**	**2636**	**2754**	**2899**	**2925**	**3030**	**3196**	**3322**	**3489**	**3405**	**3575**	**3712**	**3773**	**3859**	**3894**	**3938**	**3986**	**4096**	**2.8%**	**2.2%**	**100.0%**
Asia Pacific																																
Light distillates	3193	3492	3674	3894	4235	4495	4887	4963	5298	5510	5711	5990	6246	6582	6730	6982	7357	7386	7615	8212	8404	8834	9347	9626	10416	10765	11182	11467	**11767**	2.6%	4.5%	32.5%
of which: gasoline	2235	2379	2541	2625	2785	2957	3057	3083	3187	3262	3332	3476	3582	3799	3911	3985	4116	4237	4353	4650	4829	5103	5481	5601	6132	6383	6612	6770	**7023**	3.7%	4.8%	19.4%
of which: naphtha	940	1104	1125	1260	1442	1536	1829	1878	2110	2247	2378	2513	2659	2778	2816	2993	3237	3145	3258	3559	3571	3729	3863	4022	4281	4379	4567	4694	**4740**	1.0%	4.1%	13.1%
Middle distillates	5275	5644	6051	6294	6779	7255	7518	7252	7657	7804	7951	8182	8360	8832	9026	9094	9290	9370	9373	9919	10327	10760	10964	11056	11307	11490	11858	12218	**12483**	2.2%	2.7%	34.5%
of which: diesel/gasoil	3762	4048	4365	4525	4841	5187	5364	5167	5447	5601	5748	5984	6184	6611	6736	6841	7081	7241	7320	7725	8122	8518	8647	8705	8859	8901	9135	9346	**9595**	2.7%	2.6%	26.5%
of which: jet/kerosene	1513	1596	1685	1770	1938	2068	2154	2085	2210	2203	2204	2197	2175	2221	2290	2253	2209	2129	2053	2194	2205	2242	2316	2352	2447	2589	2723	2872	**2888**	0.6%	3.0%	8.0%
Fuel oil	3459	3546	3583	3865	3824	3793	3807	3589	3663	3602	3449	3311	3471	3477	3449	3555	3583	3361	3043	3047	3113	3218	2976	2813	2807	2854	2739	2621	**2404**	-8.3%	-2.5%	6.6%
Others	2537	2728	2850	3055	3356	3518	3861	3873	3987	4267	4292	4674	4996	5398	5370	5551	5819	5763	6197	6738	6958	7123	7273	7609	7814	8409	8890	9150	**9523**	4.1%	4.7%	26.3%
of which: ethane and LPG	1195	1279	1388	1432	1532	1622	1691	1731	1801	1870	1909	2064	2146	2216	2297	2426	2549	2533	2636	2771	2880	2969	3061	3233	3374	3723	4009	4172	**4402**	5.5%	5.1%	12.2%
Total Asia Pacific	**14463**	**15410**	**16158**	**17109**	**18195**	**19062**	**20073**	**19676**	**20604**	**21183**	**21404**	**22156**	**23073**	**24288**	**24576**	**25182**	**26050**	**25879**	**26228**	**27917**	**28802**	**29935**	**30560**	**31105**	**32344**	**33519**	**34669**	**35457**	**36178**	**2.0%**	**3.2%**	**100.0%**
of which: China																																
Light distillates	581	658	752	717	780	855	886	906	966	1016	1048	1117	1218	1370	1494	1685	1817	1941	2010	2369	2549	2731	3057	3269	3716	3895	4117	4306	**4478**	4.0%	8.3%	31.9%
of which: gasoline	507	574	662	619	667	724	744	760	778	803	826	875	942	1071	1111	1199	1263	1402	1412	1591	1738	1863	2143	2236	2601	2707	2840	2921	**3087**	5.7%	7.6%	22.0%
of which: naphtha	75	84	90	98	112	131	142	146	188	213	221	242	276	299	383	485	554	539	598	778	811	868	914	1032	1115	1188	1277	1384	**1391**	0.5%	9.9%	9.9%
Middle distillates	701	794	914	887	1007	1111	1228	1241	1444	1573	1653	1789	1949	2321	2508	2681	2857	3076	3124	3442	3655	3947	4049	4094	4197	4146	4256	4419	**4664**	5.5%	3.7%	33.2%
of which: diesel/gasoil	616	701	819	785	891	985	1078	1083	1257	1377	1451	1580	1738	2066	2238	2392	2548	2761	2761	3005	3196	3453	3503	3506	3538	3418	3440	3492	**3690**	5.7%	2.4%	26.3%
of which: jet/kerosene	86	93	96	102	116	125	151	158	187	196	202	209	211	255	271	288	309	315	363	437	459	495	546	588	659	728	816	927	**974**	5.0%	11.4%	6.9%
Fuel oil	662	635	724	687	673	706	721	736	762	766	771	758	889	951	899	954	906	724	662	666	588	560	564	592	591	556	528	566	**604**	6.8%	-2.4%	4.3%
Others	546	618	624	777	882	987	1172	1256	1215	1342	1338	1536	1724	2095	1977	2083	2198	2164	2443	2912	2948	2932	2998	3179	3408	3652	3942	4084	**4309**	5.5%	6.6%	30.7%
of which: ethane and LPG	96	114	159	181	239	265	289	349	344	388	393	452	507	588	596	667	700	627	640	677	691	689	771	884	1028	1207	1351	1432	**1578**	10.2%	8.6%	11.2%
Total China	**2491**	**2705**	**3013**	**3069**	**3342**	**3660**	**4007**	**4139**	**4387**	**4697**	**4810**	**5200**	**5781**	**6738**	**6878**	**7402**	**7778**	**7904**	**8240**	**9390**	**9739**	**10170**	**10668**	**11134**	**11911**	**12248**	**12842**	**13375**	**14056**	**5.1%**	**5.4%**	**100.0%**
of which: India																																
Light distillates	164	160	148	155	187	206	265	322	389	415	435	448	449	505	496	530	547	576	567	572	601	638	658	682	785	849	875	965	**998**	3.4%	5.3%	18.9%
of which: gasoline	82	82	86	92	104	111	117	124	132	144	156	168	174	182	192	204	227	245	283	317	331	349	380	415	471	520	569	620	**674**	8.7%	9.8%	12.8%
of which: naphtha	82	78	62	62	83	94	148	198	257	271	279	279	274	323	304	325	319	331	283	255	270	289	279	267	315	328	306	345	**325**	-5.9%	0.4%	6.2%
Middle distillates	698	745	771	830	888	989	1037	1084	1128	1104	1064	1116	1116	1096	1111	1164	1252	1350	1439	1519	1601	1685	1684	1694	1773	1847	1878	1957	**1965**	0.4%	3.8%	37.3%
of which: diesel/gasoil	482	527	549	597	632	725	757	781	822	810	786	840	840	837	835	876	954	1051	1140	1218	1301	1406	1410	1417	1493	1573	1629	1703	**1729**	1.6%	4.9%	32.8%
of which: jet/kerosene	215	218	222	233	257	263	280	304	306	295	279	276	277	259	276	288	297	299	299	301	300	279	274	276	280	274	249	254	**235**	-7.3%	-1.6%	4.5%
Fuel oil	168	171	171	183	199	208	210	223	227	229	235	235	235	235	239	214	232	226	222	199	178	147	117	107	113	136	122	120	**112**	-6.5%	-6.1%	2.1%
Others	201	216	219	238	299	291	312	330	403	509	550	658	726	762	810	884	966	981	1070	1088	1162	1270	1321	1423	1559	1800	1985	2070	**2196**	6.1%	7.8%	41.7%
of which: ethane and LPG	82	90	96	106	120	133	148	166	196	218	240	305	331	366	387	395	431	448	470	506	544	557	565	625	684	765	894	955	**1023**	7.1%	7.9%	19.4%
Total India	**1230**	**1292**	**1308**	**1406**	**1573**	**1693**	**1823**	**1959**	**2148**	**2258**	**2285**	**2457**	**2526**	**2598**	**2656**	**2791**	**2997**	**3132**	**3298**	**3378**	**3542**	**3740**	**3781**	**3906**	**4230**	**4632**	**4860**	**5112**	**5271**	**3.1%**	**5.0%**	**100.0%**
of which: Japan																																
Light distillates	1233	1315	1318	1396	1505	1527	1599	1545	1643	1677	1649	1688	1716	1728	1780	1758	1731	1614	1634	1688	1628	1607	1622	1565	1609	1557	1573	1519	**1599**	5.2%	-0.6%	41.9%
of which: gasoline	743	761	776	813	827	855	880	898	922	942	952	967	975	990	1062	1048	1031	984	990	999	973	974	944	914	903	894	879	865	**840**	-2.9%	-1.3%	22.0%
of which: naphtha	490	554	542	583	678	672	719	647	721	735	697	721	742	737	718	709	700	630	644	690	655	633	679	651	706	663	694	655	**759**	15.9%	0.4%	19.9%
Middle distillates	1801	1837	1866	1919	1985	2041	2005	1963	1992	1966	1964	1939	1913	1869	1878	1760	1621	1501	1381	1391	1343	1361	1345	1319	1281	1290	1296	1279	**1255**	-1.9%	-1.6%	32.9%
of which: diesel/gasoil	1171	1192	1209	1252	1281	1304	1291	1252	1265	1248	1233	1209	1189	1169	1142	1073	998	919	837	841	816	821	817	803	786	786	782	781	**770**	-1.4%	-1.6%	20.2%
of which: jet/kerosene	629	644	657	667	704	737	714	712	726	717	731	730	724	701	736	687	623	582	543	550	527	539	528	516	495	504	514	499	**485**	-2.7%	-1.5%	12.7%
Fuel oil	1227	1216	1074	1242	1094	1029	944	855	838	777	672	632	749	653	675	657	657	707	450	442	577	824	646	532	433	371	284	269	**210**	-21.7%	-9.2%	5.5%
Others	1067	1087	1110	1096	1187	1205	1209	1162	1164	1122	1106	1053	1039	1019	1021	999	1005	1025	925	913	887	903	895	876	816	788	817	787	**748**	-5.0%	-2.6%	19.6%
of which: ethane and LPG	677	689	698	679	692	705	692	657	659	616	602	581	567	537	536	552	537	533	500	492	496	536	508	492	443	419	424	399	**351**	-12.0%	-2.9%	9.2%
Total Japan	**5328**	**5455**	**5367**	**5652**	**5771**	**5802**	**5756**	**5526**	**5637**	**5542**	**5392**	**5312**	**5418**	**5270**	**5354**	**5174**	**5013**	**4846**	**4389**	**4434**	**4435**	**4694**	**4508**	**4292**	**4138**	**4006**	**3971**	**3855**	**3812**	**-1.1%**	**-2.3%**	**100.0%**
World																																
Light distillates	19712	20074	20162	20710	21309	21718	22469	22898	23401	23532	23878	24470	24858	25519	25754	26022	26450	25920	26109	26850	26769	27162	27916	28284	29287	29966	30585	30888	**31104**	0.7%	1.8%	31.7%
of which: gasoline	16835	17030	17188	17556	17941	18251	18613	18947	19248	19122	19434	19888	20050	20469	20686	20846	20996	20698	20811	21084	21107	21420	22030	22279	23024	23600	23960	24094	**24324**	1.0%	1.5%	24.8%
of which: naphtha	2665	2875	2838	3086	3327	3451	3844	3940	4144	4403	4437	4583	4803	5044	5063	5171	5448	5209	5292	5759	5656	5738	5881	6000	6259	6362	6621	6790	**6775**	-0.2%	2.7%	6.9%
Middle distillates	22182	22355	22552	23048	23699	24790	25507	25553	26286	26834	27404	27475	28130	29287	30031	30562	31109	31212	30139	31453	32152	32437	33145	33367	33849	33927	34668	35440	**35935**	1.4%	1.3%	36.6%
of which: diesel/gasoil	17134	17234	17337	17634	18056	18865	19420	19433	19930	20350	21017	21203	21894	22848	23360	23924	24468	24743	24012	25087	25725	26028	26542	26660	26879	26682	27112	27599	**27955**	1.3%	1.1%	28.4%
of which: jet/kerosene	5047	5122	5215	5414	5643	5925	6087	6120	6357	6484	6387	6272	6236	6439	6671	6638	6641	6469	6127	6366	6427	6410	6603	6707	6970	7245	7556	7842	**7979**	1.8%	1.9%	8.1%
Fuel oil	12170	11861	11551	11662	11173	10927	10951	10886	10444	10192	9899	9484	9670	9752	9858	9662	9524	9279	8754	8645	8541	8532	8143	7893	7761	7819	7576	7316	**6992**	-4.4%	-2.3%	7.1%
Others	12414	13270	13132	13557	13913	14207	14814	14783	15543	15927	16184	16808	17250	18096	18248	18670	19017	18759	19080	19907	20358	20653	20948	21359	21713	22692	23183	23704	**24241**	2.3%	2.4%	24.7%
of which: ethane and LPG	5516	5723	5780	6052	6370	6574	6767	6771	7277	7483	7478	7934	7961	8254	8452	8634	8935	8920	9281	9802	10234	10525	10965	11259	11503	12140	12612	13163	**13540**	2.9%	4.0%	13.8%
Total World	**66477**	**67561**	**67397**	**68976**	**70095**	**71642**	**73741**	**74119**	**75674**	**76485**	**77366**	**78238**	**79908**	**82654**	**83891**	**84916**	**86100**	**85170**	**84083**	**86856**	**87820**	**88784**	**90152**	**90903**	**92610**	**94404**	**96013**	**97348**	**98272**	**0.9%**	**1.3%**	**100.0%**
OECD																																
Light distillates	14757	15127	15260	15588	15963	16192	16622	16902	17170	17221	17195	17503	17562	17747	17743	17615	17610	16657	16538	16557	16085	15894	16016	15989	16254	16436	16508	16441	**16340**	-0.6%	-0.1%	35.7%
of which: gasoline	12586	12790	12991	13181	13405	13597	13784	14035	14268	14178	14301	14526	14522	14624	14638	14556	14468	13785	13650	13450	13075	12885	12944	12970	13179	13365	13334	13328	**13236**	-0.7%	-0.3%	28.9%
of which: naphtha	1961	2169	2137	2343	2524	2581	2830	2861	2898	3037	2889	2979	3039	3121	3104	3059	3141	2864	2886	3106	3010	3008	3072	3019	3074	3071	3173	3112	**3104**	-0.3%	0.8%	6.8%
Middle distillates	13630	13818	14144	14593	14982	15694	15982	15983	16380	16526	16792	16560	16940	17314	17642	17731	17552	17185	16066	16489	16452	16100	16267	16461	16864	16966	17421	17744	**17685**	-0.3%	0.3%	38.6%
of which: diesel/gasoil	10592	10682	10883	11141	11372	11855	12048	12020	12238	12323	12680	12555	12960	13227	13399	13565	13442	13224	12388	12736	12701	12408	12515	12644	12895	12847	13115	13332	**13212**	-0.9%	0.1%	28.8%
of which: jet/kerosene	3038	3136	3261	3451	3610	3839	3934	3963	4142	4204	4112	4005	3980	4087	4243	4166	4110	3961	3679	3752	3751	3692	3752	3817	3970	4119	4306	4412	**4473**	1.4%	1.1%	9.8%
Fuel oil	5649	5582	5354	5529	5154	5084	4910	4938	4744	4587	4357	4102	4235	4151	4233	3826	3733	3531	2926	2791	2795	2851	2447	2092	1924	1987	1906	1847	**1643**	-11.0%	-6.3%	3.6%
Others	8076	8508	8558	8830	9068	9395	9597	9547	9989	9903	9897	10066	10019	10242	10139	10270	10265	9920	9625	9711	9644	9612	9735	9550	9658	9822	9912	10084	**10154**	0.7%	0.2%	22.2%
of which: ethane and LPG	4002	4158	4176	4329	4499	4627	4669	4601	4951	4958	4801	4981	4824	4905	4802	4818	4910	4777	4828	4946	4972	5047	5321	5273	5283	5399	5487	5717	**5736**	0.3%	1.8%	12.5%
Total OECD	**42112**	**43034**	**43316**	**44540**	**45169**	**46365**	**47111**	**47370**	**48284**	**48238**	**48241**	**48231**	**48757**	**49453**	**49757**	**49443**	**49160**	**47293**	**45155**	**45547**	**44976**	**44457**	**44465**	**44092**	**44700**	**45210**	**45747**	**46115**	**45822**	**-0.6%**	**-0.3%**	**100.0%**
Non-OECD																																
Light distillates	4955	4947	4902	5122	5346	5527	5846	5996	6231	6311	6682	6967	7296	7773	8011	8407	8840	9263	9571	10294	10684	11268	11900	12295	13034	13530	14078	14447	**14765**	2.2%	4.5%	28.1%
of which: gasoline	4249	4240	4197	4375	4536	4654	4830	4912	4980	4944	5133	5362	5527	5845	6048	6290	6528	6913	7161	7634	8031	8534	9086	9310	9845	10235	10626	10765	**11088**	3.0%	4.5%	21.1%
of which: naphtha	704	706	701	743	803	869	1014	1080	1246	1366	1548	1604	1764	1923	1958	2112	2307	2345	2406	2653	2647	2730	2809	2981	3184	3291	3448	3678	**3671**	-0.2%	4.6%	7.0%
Middle distillates	8551	8538	8408	8455	8717	9096	9525	9570	9906	10308	10613	10915	11189	11973	12389	12831	13557	14027	14073	14965	15699	16338	16878	16906	16985	16962	17247	17696	**18249**	3.1%	2.4%	34.8%
of which: diesel/gasoil	6542	6552	6454	6492	6684	7010	7371	7413	7692	8027	8338	8648	8933	9621	9961	10359	11026	11519	11625	12351	13024	13620	14028	14016	13985	13835	13997	14266	**14743**	3.3%	2.2%	28.1%
of which: jet/kerosene	2009	1985	1953	1963	2033	2086	2154	2157	2214	2281	2275	2267	2256	2352	2428	2472	2531	2508	2448	2614	2675	2717	2850	2890	3000	3126	3251	3430	**3506**	2.2%	3.2%	6.7%
Fuel oil	6521	6280	6197	6133	6019	5843	6041	5948	5699	5605	5542	5382	5435	5601	5625	5835	5791	5748	5828	5854	5746	5681	5696	5801	5837	5832	5669	5469	**5349**	-2.2%	-0.5%	10.2%
Others	4338	4762	4574	4727	4845	4812	5217	5236	5554	6024	6288	6743	7231	7854	8109	8400	8752	8839	9456	10196	10714	11041	11213	11809	12055	12870	13272	13620	**14087**	3.4%	4.4%	26.9%
of which: ethane and LPG	1514	1565	1604	1723	1871	1947	2098	2170	2326	2525	2677	2953	3136	3349	3650	3816	4025	4144	4453	4857	5262	5478	5644	5985	6219	6741	7125	7445	**7804**	4.8%	6.0%	14.9%
Total Non-OECD	**24365**	**24526**	**24081**	**24436**	**24926**	**25277**	**26630**	**26749**	**27390**	**28247**	**29125**	**30007**	**31151**	**33201**	**34134**	**35473**	**36939**	**37877**	**38927**	**41308**	**42844**	**44327**	**45687**	**46811**	**47910**	**49194**	**50266**	**51233**	**52450**	**2.4%**	**3.1%**	**100.0%**

* Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
♦ Less than 0.05%.
n/a not available.
Notes: 'Light distillates' consists of aviation and motor gasolines and light distillate feedstock (LDF).
'Middle distillates' consists of jet and heating kerosenes, and gas and diesel oils (including marine bunkers).
'Fuel oil' includes marine bunkers and crude oil used directly as fuel.
'Others' consists of refinery gas, solvents, petroleum coke, lubricants, bitumen, wax, other refined products and refinery fuel and loss.
Annual changes and shares of total are calculated using thousand barrels daily figures.

Oil: Spot crude prices

Contents

US dollars per barrel	Dubai $/bbl *	Brent $/bbl †	Nigerian Forcados $/bbl	West Texas Intermdiate $/bbl ‡
1972	1.90	-	-	-
1973	2.83	-	-	-
1974	10.41	-	-	-
1975	10.70	-	-	-
1976	11.63	12.8	12.9	12.2
1977	12.38	13.92	14.21	14.22
1978	13.03	14.02	13.65	14.55
1979	29.75	31.61	29.25	25.08
1980	35.69	36.83	36.98	37.96
1981	34.32	35.93	36.18	36.08
1982	31.80	32.97	33.29	33.65
1983	28.78	29.55	29.54	30.30
1984	28.06	28.78	28.14	29.39
1985	27.53	27.56	27.75	27.98
1986	13.10	14.43	14.46	15.05
1987	16.95	18.44	18.39	19.19
1988	13.18	14.92	15.00	15.98
1989	15.65	18.23	18.30	19.67
1990	20.26	23.73	23.85	24.46
1991	16.63	20.00	20.11	21.53
1992	17.17	19.32	19.61	20.57
1993	14.93	16.97	17.41	18.45
1994	14.74	15.82	16.25	17.21
1995	16.10	17.02	17.26	18.42
1996	18.52	20.67	21.16	22.16
1997	18.23	19.09	19.33	20.61
1998	12.21	12.72	12.62	14.39
1999	17.25	17.97	18.00	19.31
2000	26.20	28.50	28.42	30.37
2001	22.81	24.44	24.23	25.93
2002	23.74	25.02	25.04	26.16
2003	26.78	28.83	28.66	31.06
2004	33.64	38.27	38.13	41.49
2005	49.35	54.52	55.69	56.59
2006	61.50	65.14	67.07	66.04
2007	68.19	72.39	74.48	72.20
2008	94.34	97.26	101.43	100.06
2009	61.39	61.67	63.35	61.92
2010	78.06	79.50	81.05	79.45
2011	106.18	111.26	113.65	95.04
2012	109.08	111.67	114.21	94.13
2013	105.47	108.66	111.95	97.99
2014	97.07	98.95	101.35	93.28
2015	51.20	52.39	54.41	48.71
2016	41.19	43.73	44.54	43.34
2017	53.13	54.19	54.31	50.79
2018	69.51	71.31	72.47	65.20
2019	63.43	64.21	64.95	57.03

* 1972 - 1985 Arabian Light, 1986 - 2020 Dubai dated.
† 1976 - 1983 Forties, 1984 - 2020 Brent dated.
‡ 1976 -1983 Posted WTI prices, 1984 - 2020 Spot WTI (Cushing) prices.

Oil: Crude oil prices 1861 - 2019

Contents

US dollars per barrel

Year	$ money of the day	$ 2019
1861	0.49	13.89
1862	1.05	26.78
1863	3.15	65.14
1864	8.06	131.21
1865	6.59	109.62
1866	3.74	65.04
1867	2.41	43.90
1868	3.63	69.44
1869	3.64	69.63
1870	3.86	77.72
1871	4.34	92.24
1872	3.64	77.36
1873	1.83	38.90
1874	1.17	26.33
1875	1.35	31.30
1876	2.56	61.21
1877	2.42	57.86
1878	1.19	31.40
1879	0.86	23.50
1880	0.95	25.07
1881	0.86	22.69
1882	0.78	20.58
1883	1.00	27.33
1884	0.84	23.80
1885	0.88	24.94
1886	0.71	20.12
1887	0.67	18.99
1888	0.88	24.94
1889	0.94	26.64
1890	0.87	24.65
1891	0.67	18.99
1892	0.56	15.87
1893	0.64	18.14
1894	0.84	24.72
1895	1.36	41.62
1896	1.18	36.11
1897	0.79	24.18
1898	0.91	27.85
1899	1.29	39.48
1900	1.19	36.42
1901	0.96	29.38
1902	0.80	23.54
1903	0.94	26.64
1904	0.86	24.37
1905	0.62	17.57
1906	0.73	20.69
1907	0.72	19.68
1908	0.72	20.40
1909	0.70	19.84
1910	0.61	16.67
1911	0.61	16.67
1912	0.74	19.52
1913	0.95	24.47
1914	0.81	20.59
1915	0.64	16.11
1916	1.10	25.74
1917	1.56	31.08
1918	1.98	33.59
1919	2.01	29.70
1920	3.07	39.16
1921	1.73	24.70
1922	1.61	24.54
1923	1.34	20.06
1924	1.43	21.37
1925	1.68	24.49
1926	1.88	27.14
1927	1.30	19.13
1928	1.17	17.45
1929	1.27	18.94
1930	1.19	18.21
1931	0.65	10.91
1932	0.87	16.27
1933	0.67	13.21
1934	1.00	19.08
1935	0.97	18.06
1936	1.09	20.10
1937	1.18	21.00
1938	1.13	20.49
1939	1.02	18.76
1940	1.02	18.58
1941	1.14	19.78
1942	1.19	18.66
1943	1.20	17.73
1944	1.21	17.57
1945	1.05	14.90
1946	1.12	14.65
1947	1.90	21.73
1948	1.99	21.12
1949	1.78	19.08
1950	1.71	18.15
1951	1.71	16.81
1952	1.71	16.46
1953	1.93	18.43
1954	1.93	18.34
1955	1.93	18.41
1956	1.93	18.15
1957	1.90	17.24
1958	2.08	18.38
1959	2.08	18.22
1960	1.90	16.38
1961	1.80	15.37
1962	1.80	15.20
1963	1.80	15.02
1964	1.80	14.82
1965	1.80	14.57
1966	1.80	14.17
1967	1.80	13.77
1968	1.80	13.22
1969	1.80	12.54
1970	1.80	11.85
1971	2.24	14.12
1972	2.48	15.16
1973	3.29	18.93
1974	11.58	60.07
1975	11.53	54.80
1976	12.80	57.50
1977	13.92	58.68
1978	14.02	54.97
1979	31.61	111.31
1980	36.83	114.27
1981	35.93	101.05
1982	32.97	87.35
1983	29.55	75.85
1984	28.78	70.82
1985	27.56	65.48
1986	14.43	33.66
1987	18.44	41.49
1988	14.92	32.25
1989	18.23	37.58
1990	23.73	46.41
1991	20.00	37.54
1992	19.32	35.21
1993	16.97	30.03
1994	15.82	27.29
1995	17.02	28.55
1996	20.67	33.68
1997	19.09	30.41
1998	12.72	19.94
1999	17.97	27.58
2000	28.50	42.31
2001	24.44	35.29
2002	25.02	35.56
2003	28.83	40.06
2004	38.27	51.79
2005	54.52	71.37
2006	65.14	82.61
2007	72.39	89.26
2008	97.26	115.48
2009	61.67	73.49
2010	79.50	93.20
2011	111.26	126.45
2012	111.67	124.35
2013	108.66	119.25
2014	98.95	106.85
2015	52.39	56.51
2016	43.73	46.59
2017	54.19	56.52
2018	71.31	72.60
2019	64.21	64.21

1861-1944 US Average.
1945-1983 Arabian Light posted at Ras Tanura.
1984-2019 Brent dated.
$2019 (deflated using the Consumer Price Index for the US)

Oil: Refinery throughput

Contents

Thousand barrels daily*	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	rowth rate per annum 2019	2008-18	Share 2019
Canada	1893	1759	1490	1419	1417	1377	1350	1403	1479	1511	1548	1452	1405	1492	1533	1518	1590	1647	1657	1665	1723	1772	1807	1835	1913	1846	1788	1849	1781	1731	1770	1681	1753	1719	1615	1640	1594	1757	1653	**1822**	10.2%	-0.7%	2.2%
Mexico	1017	1136	1124	1087	1182	1206	1175	1216	1202	1247	1321	1290	1320	1357	1282	1283	1243	1283	1228	1227	1252	1245	1286	1303	1284	1284	1270	1261	1295	1184	1184	1166	1199	1223	1155	1064	933	767	609	**592**	-2.8%	-7.3%	0.7%
US	13481	12470	11774	11685	12044	12002	12716	12854	13246	13401	13409	13301	13411	13613	13866	13973	14195	14662	14889	14804	15067	15128	14947	15304	15475	15220	15242	15156	14648	14336	14724	14799	14997	15306	15844	16183	16185	16581	16962	**16562**	-2.4%	1.5%	20.0%
Total North America	**16391**	**15366**	**14388**	**14190**	**14642**	**14585**	**15241**	**15473**	**15927**	**16159**	**16279**	**16044**	**16136**	**16462**	**16681**	**16774**	**17028**	**17592**	**17774**	**17697**	**18042**	**18145**	**18040**	**18443**	**18673**	**18350**	**18300**	**18267**	**17724**	**17251**	**17678**	**17646**	**17949**	**18248**	**18614**	**18887**	**18713**	**19105**	**19224**	**18976**	**-1.3%**	**0.8%**	**22.9%**
Argentina	481	483	466	448	433	420	397	390	398	413	424	424	454	455	479	457	480	516	545	553	522	523	502	525	539	538	568	600	578	532	531	516	530	527	526	536	511	500	470	**476**	1.2%	-2.0%	0.6%
Brazil	1085	1049	1038	1012	1075	1085	1154	1182	1188	1192	1173	1139	1178	1193	1259	1226	1313	1409	1518	1581	1589	1645	1612	1603	1699	1703	1708	1741	1760	1781	1787	1813	1889	2035	2085	1972	1812	1741	1733	**1751**	1.0%	-0.2%	2.1%
Chile	96	93	67	73	74	74	81	85	96	115	122	125	130	138	150	159	168	176	193	195	195	198	194	207	207	209	217	201	204	192	159	173	164	174	174	165	163	172	172	**186**	8.2%	-1.7%	0.2%
Colombia	153	166	163	185	188	186	202	225	220	243	232	245	227	241	242	256	280	278	280	284	291	303	289	303	308	299	315	313	313	302	300	306	305	284	247	244	339	355	383	**384**	0.2%	2.0%	0.5%
Curacao	n/a	n/a	n/a	n/a	n/a	n/a	167	195	200	201	211	206	240	251	251	252	252	237	250	219	222	243	197	186	204	215	205	209	197	183	64	164	165	170	189	178	156	84	29	**4**	-85.1%	-17.6%	♦
Ecuador	93	89	93	75	89	86	96	86	117	106	121	125	125	124	133	131	155	131	143	132	161	158	153	142	157	151	152	150	155	156	137	156	152	141	125	121	150	156	159	**142**	-10.7%	0.2%	0.2%
Netherlands Antilles	564	522	472	480	401	173	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Peru	145	153	156	152	173	174	172	172	164	150	147	150	152	154	152	147	147	163	169	143	142	161	149	143	149	177	170	176	174	199	201	193	190	186	188	188	194	213	209	**192**	-7.9%	1.8%	0.2%
Trinidad & Tobago	231	174	163	81	79	84	85	89	88	80	95	111	119	110	109	105	114	103	144	154	161	153	150	148	131	165	152	154	150	152	126	137	107	132	105	125	148	131	99	**-**	-100.0%	-4.1%	-
Venezuela	925	861	873	898	900	942	931	925	1051	1018	1070	1127	1101	950	938	1005	1019	1054	1056	1049	1079	1060	931	856	1012	1013	1022	1004	1010	961	969	991	936	952	920	863	654	544	306	**135**	-55.8%	-11.2%	0.2%
Other S. & Cent. America	1302	1111	1025	939	944	761	698	812	715	818	858	855	828	828	889	854	936	901	885	925	1019	905	818	928	1020	998	950	963	957	796	700	704	326	286	277	275	231	201	249	**241**	-3.1%	-12.6%	0.3%
Total S. & Cent. America	**5077**	**4702**	**4516**	**4344**	**4357**	**3986**	**3984**	**4160**	**4237**	**4335**	**4453**	**4507**	**4554**	**4444**	**4600**	**4592**	**4864**	**4968**	**5184**	**5236**	**5380**	**5349**	**4995**	**5041**	**5426**	**5469**	**5458**	**5512**	**5498**	**5253**	**4974**	**5153**	**4764**	**4887**	**4836**	**4667**	**4359**	**4097**	**3808**	**3512**	**-7.8%**	**-3.6%**	**4.2%**
Austria	195	178	152	134	142	148	147	147	136	142	161	167	176	172	180	174	176	189	189	175	167	178	181	179	171	177	172	174	176	169	158	168	170	174	173	179	164	162	180	**184**	2.1%	0.2%	0.2%
Belgium	671	588	500	464	464	409	533	553	591	607	507	575	578	558	566	530	634	657	696	646	680	644	673	728	689	644	631	662	675	629	668	598	634	555	645	644	640	685	663	**693**	4.5%	-0.2%	0.8%
Bulgaria	238	244	249	255	259	256	256	247	263	264	167	90	50	114	140	160	139	120	112	113	106	107	105	101	106	124	143	143	143	125	110	102	118	113	104	121	125	136	118	**137**	16.1%	-1.9%	0.2%
Czech Republic	194	200	186	185	183	185	188	190	188	186	160	137	143	132	140	146	157	151	144	127	123	127	127	132	134	155	158	149	165	148	159	143	145	134	151	145	109	158	151	**158**	4.3%	-0.9%	0.2%
Denmark	129	109	120	140	149	141	159	157	163	168	146	157	167	168	172	195	211	173	156	158	161	160	155	164	161	155	159	157	156	157	146	137	153	144	139	147	140	151	152	**153**	0.8%	-0.2%	0.2%
Finland	250	223	190	205	207	203	182	197	188	169	191	194	170	166	178	186	192	179	226	223	214	199	223	221	220	200	208	218	222	220	211	225	215	227	225	197	226	226	233	**240**	3.1%	0.5%	0.3%
France	2226	1858	1564	1445	1461	1432	1395	1307	1388	1412	1437	1521	1460	1557	1537	1582	1670	1780	1841	1660	1706	1739	1617	1727	1736	1711	1655	1654	1676	1449	1314	1313	1138	1117	1096	1152	1122	1149	1085	**978**	-9.9%	-4.3%	1.2%
Germany	2423	2112	1997	1816	1809	1771	1791	1747	1883	1805	1839	1854	2019	2063	2157	2070	2091	2038	2176	2136	2139	2138	2145	2191	2238	2300	2245	2193	2151	2026	1915	1876	1901	1857	1833	1875	1887	1870	1775	**1761**	-0.8%	-1.9%	2.1%
Greece	286	320	303	283	254	244	300	303	283	281	289	258	269	225	281	298	359	366	372	323	389	383	371	384	373	374	379	385	360	346	393	331	410	399	416	436	464	483	489	**462**	-5.4%	3.1%	0.6%
Hungary	196	189	174	168	180	180	188	187	173	166	163	154	149	155	141	151	136	141	144	140	136	137	121	128	128	141	139	142	140	127	128	132	122	120	131	130	133	131	141	**137**	-3.3%	0.1%	0.2%
Ireland	41	15	10	24	23	26	28	31	27	27	39	36	39	38	47	45	42	53	63	56	64	68	64	65	60	66	63	67	62	55	60	59	61	57	55	68	64	64	61	**51**	-16.6%	-0.1%	0.1%
Italy	1837	1761	1616	1468	1378	1319	1503	1407	1404	1454	1556	1556	1617	1631	1591	1576	1603	1688	1818	1736	1752	1753	1737	1795	1837	1890	1847	1863	1741	1614	1673	1570	1475	1259	1198	1347	1293	1399	1346	**1343**	-0.3%	-2.5%	1.6%
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	192	235	81	103	75	63	74	101	129	91	96	133	132	144	174	187	168	118	195	174	190	189	181	192	160	170	187	197	195	**191**	-1.7%	♦	0.2%
Netherlands	1012	818	795	877	959	857	1007	1040	1089	1089	994	1071	1107	1123	1122	1198	1221	1219	1245	1172	1174	1180	1074	1135	1171	1178	1142	1131	1120	1104	1156	1115	1110	1065	1090	1157	1172	1180	1192	**1217**	2.1%	0.6%	1.5%
Norway	143	138	129	136	140	151	150	183	166	200	256	242	271	270	282	251	280	286	284	288	285	268	252	279	265	289	307	305	279	278	259	289	287	292	274	293	230	281	305	**281**	-7.7%	0.9%	0.3%
Poland	324	273	269	274	273	282	287	287	310	317	265	239	264	280	301	310	319	353	366	370	379	378	365	358	373	376	396	402	417	408	458	482	505	488	486	532	517	508	540	**546**	1.1%	2.6%	0.7%
Portugal	143	148	148	161	136	134	149	151	150	185	210	192	226	217	271	258	235	248	271	260	233	250	236	254	254	263	265	247	241	209	227	206	221	239	217	278	279	284	252	**226**	-10.4%	0.4%	0.3%
Romania	549	541	531	521	510	496	538	596	588	615	475	305	260	268	296	306	269	250	251	199	212	231	242	218	252	279	266	280	282	247	217	194	182	189	194	208	228	225	232	**244**	5.3%	-2.0%	0.3%
Slovakia	195	181	160	162	159	161	163	166	161	160	127	102	88	86	97	104	105	107	109	109	109	110	113	114	114	109	113	120	117	114	110	120	108	116	105	119	115	112	109	**103**	-5.9%	-0.7%	0.1%
Spain	982	938	897	895	871	895	976	932	983	1002	1017	1060	1100	1044	1102	1110	1095	1115	1200	1181	1143	1132	1134	1149	1199	1195	1210	1159	1174	1057	1060	1051	1186	1168	1185	1306	1302	1326	1363	**1318**	-3.3%	1.5%	1.6%
Sweden	344	282	261	283	282	277	370	327	303	336	348	335	348	367	361	365	397	416	407	402	412	405	386	404	424	413	415	369	413	394	406	374	417	332	380	401	395	392	406	**337**	-17.0%	-0.2%	0.4%
Switzerland	89	78	77	82	79	82	84	81	78	60	62	95	86	96	98	94	107	100	102	103	93	99	99	91	102	96	109	94	101	95	90	87	68	97	98	56	59	57	61	**55**	-9.6%	-5.0%	0.1%
Turkey	256	260	301	313	312	335	368	442	501	438	462	453	468	516	503	550	530	543	535	526	485	519	525	535	525	520	530	518	490	375	392	394	398	421	406	526	531	542	472	**675**	42.9%	-0.4%	0.8%
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1172	1096	767	472	394	338	270	258	268	221	182	324	405	440	440	369	289	279	243	255	249	206	108	85	69	64	64	77	59	**64**	8.1%	-13.1%	0.1%
United Kingdom	1625	1447	1363	1354	1384	1383	1396	1399	1519	1533	1568	1601	1615	1712	1673	1688	1761	1764	1719	1663	1640	1549	1584	1576	1655	1619	1533	1528	1533	1440	1395	1433	1348	1197	1125	1118	1071	1073	1041	**1066**	2.4%	-3.8%	1.3%
Other Europe	354	328	316	310	303	284	330	329	360	355	394	301	211	191	169	175	193	217	204	185	188	200	210	217	217	203	187	196	181	199	184	158	132	136	128	141	148	165	166	**121**	-26.9%	-0.9%	0.1%
Total Europe	**14702**	**13227**	**12309**	**11955**	**11918**	**11650**	**12485**	**12404**	**12896**	**12972**	**14196**	**14030**	**13729**	**13724**	**13873**	**13924**	**14268**	**14509**	**15029**	**14262**	**14270**	**14410**	**14276**	**14728**	**15019**	**15035**	**14732**	**14553**	**14454**	**13414**	**13327**	**12953**	**12793**	**12173**	**12082**	**12810**	**12666**	**13032**	**12787**	**12740**	**-0.4%**	**-1.2%**	**15.4%**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	330	318	239	200	188	181	179	180	187	157	165	126	127	126	126	148	150	150	147	121	124	127	124	132	135	130	120	118	122	**124**	1.8%	-1.8%	0.1%
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	840	718	412	284	256	263	248	238	232	231	271	268	306	317	370	398	427	429	427	434	330	411	434	425	448	462	372	364	366	**336**	-8.0%	-1.5%	0.4%
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	393	362	338	297	236	218	223	185	160	110	118	141	150	174	178	218	225	229	236	235	257	326	331	341	361	342	339	355	374	**392**	5.0%	4.7%	0.5%
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5984	5753	5119	4473	3739	3661	3522	3551	3293	3381	3481	3584	3717	3817	3912	4172	4423	4597	4742	4765	5018	5185	5438	5636	5926	5773	5715	5703	5864	**5829**	-0.6%	2.1%	7.0%
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	84	115	103	77	76	70	79	89	105	114	112	109	125	141	141	141	137	144	148	152	170	164	156	146	136	127	118	125	117	**122**	4.0%	-2.3%	0.1%
USSR	9389	9430	9445	9460	9449	9490	9637	9731	9533	9547	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	161	159	133	160	141	134	132	132	139	147	146	140	138	150	153	105	105	95	93	88	73	69	62	61	50	57	57	58	70	**60**	-13.9%	-2.9%	0.1%
Other CIS	-	-	-	-	-	-	-	-	-	-	3	2	1	1	1	0	1	6	3	4	3	3	3	2	2	2	2	3	3	3	3	3	2	2	4	7	8	9	11	**7**	-31.0%	12.0%	♦
Total CIS	**9389**	**9430**	**9445**	**9460**	**9449**	**9490**	**9637**	**9731**	**9533**	**9547**	**7796**	**7427**	**6345**	**5492**	**4637**	**4528**	**4383**	**4381**	**4120**	**4143**	**4296**	**4371**	**4564**	**4727**	**4882**	**5184**	**5469**	**5648**	**5797**	**5798**	**5975**	**6286**	**6548**	**6742**	**7060**	**6899**	**6730**	**6732**	**6923**	**6871**	**-0.7%**	**1.8%**	**8.3%**
Bahrain	240	260	200	178	205	186	246	247	242	244	251	257	260	248	248	257	261	251	249	263	257	240	249	255	254	266	259	261	257	256	265	259	263	264	257	266	258	262	260	**263**	1.1%	0.1%	0.3%
Iran	685	489	534	592	644	663	604	602	677	837	871	989	996	1139	1264	1300	1360	1469	1539	1619	1604	1598	1576	1577	1585	1624	1674	1719	1779	1826	1830	1874	1933	2000	1941	1868	1875	1959	2022	**2208**	9.2%	1.3%	2.7%
Iraq	185	193	209	315	361	386	382	359	395	418	378	294	364	403	444	440	419	444	478	461	513	483	560	452	448	451	446	342	476	417	520	543	579	598	487	409	440	527	596	**611**	2.4%	2.3%	0.7%
Israel	131	139	164	154	144	139	130	142	130	144	164	167	202	239	246	229	213	223	234	211	209	206	191	203	208	199	202	189	216	221	217	218	220	221	226	232	213	223	238	**242**	1.9%	1.0%	0.3%
Kuwait	343	287	439	490	505	594	599	672	782	802	575	56	324	446	759	829	795	889	869	917	748	665	723	842	837	863	898	923	906	869	892	852	916	873	879	905	841	686	679	**663**	-2.4%	-2.8%	0.8%
Oman	-	-	11	36	47	52	47	43	42	50	65	69	60	49	75	73	73	65	78	79	78	66	84	84	79	87	86	69	214	203	167	201	193	187	180	190	178	232	304	**290**	-4.4%	3.6%	0.3%
Qatar	8	9	8	9	16	26	33	37	44	53	61	54	58	54	63	60	68	64	69	68	64	60	117	127	121	115	130	149	145	158	294	278	292	270	261	253	280	379	397	**396**	-0.2%	10.6%	0.5%
Saudi Arabia	610	653	742	851	855	1015	1096	1337	1492	1448	1512	1487	1641	1619	1641	1580	1777	1612	1635	1617	1669	1662	1628	1789	1930	2002	1992	1936	2018	1928	1922	1884	1953	1876	2201	2447	2753	2802	2770	**2601**	-6.1%	3.2%	3.1%
United Arab Emirates	12	56	83	110	142	165	185	185	185	189	198	202	198	194	215	222	235	266	239	248	315	553	591	581	574	604	592	529	493	492	571	635	638	650	643	1098	1078	1119	1096	**1099**	0.3%	8.3%	1.3%
Other Middle East	278	325	314	331	368	350	345	378	373	361	390	398	418	374	379	383	380	398	400	404	407	420	407	397	403	429	404	396	391	386	381	349	268	238	230	181	144	161	153	**165**	8.1%	-9.0%	0.2%
Total Middle East	**2492**	**2411**	**2705**	**3067**	**3287**	**3575**	**3667**	**4001**	**4362**	**4545**	**4466**	**3973**	**4521**	**4764**	**5333**	**5373**	**5581**	**5681**	**5790**	**5887**	**5864**	**5954**	**6126**	**6306**	**6441**	**6640**	**6682**	**6515**	**6895**	**6755**	**7059**	**7092**	**7254**	**7177**	**7306**	**7847**	**8059**	**8350**	**8514**	**8537**	**0.3%**	**2.1%**	**10.3%**
Algeria	226	307	412	378	411	408	434	412	436	417	421	422	423	420	396	408	387	413	385	439	428	446	434	440	366	356	382	391	429	475	548	520	478	492	615	591	584	573	601	**569**	-5.2%	3.4%	0.7%
Egypt	277	303	338	364	391	406	424	450	450	463	489	499	486	514	532	548	567	575	588	575	497	579	577	598	625	633	631	653	617	598	580	523	534	514	530	530	509	508	519	**562**	8.2%	-1.7%	0.7%
Morocco	84	84	87	91	95	96	90	91	102	111	115	109	125	126	132	125	113	119	123	146	138	141	127	89	124	141	126	128	114	93	110	103	111	111	104	53	-	-	-	**-**	n/a	-100.0%	-
Nigeria	127	155	166	156	163	141	142	143	162	220	261	245	229	228	117	169	203	213	148	181	96	221	216	122	104	194	119	52	107	49	96	108	92	97	64	22	62	81	44	**7**	-83.0%	-8.6%	♦
South Africa	252	256	261	237	245	232	221	233	257	256	276	279	259	269	285	336	321	439	335	355	367	451	464	454	425	467	397	400	417	398	400	393	413	422	440	453	474	447	455	**453**	-0.4%	0.9%	0.5%
Other Africa	434	412	406	402	415	510	522	583	594	575	543	548	558	531	563	576	639	640	612	646	656	666	658	665	730	711	698	729	718	696	701	512	586	594	444	455	459	429	446	**459**	2.9%	-4.7%	0.6%
Total Africa	**1401**	**1516**	**1668**	**1628**	**1720**	**1792**	**1834**	**1913**	**2002**	**2042**	**2104**	**2101**	**2079**	**2087**	**2025**	**2162**	**2229**	**2399**	**2192**	**2342**	**2181**	**2503**	**2476**	**2368**	**2374**	**2501**	**2353**	**2355**	**2403**	**2309**	**2434**	**2160**	**2214**	**2230**	**2197**	**2103**	**2087**	**2038**	**2065**	**2051**	**-0.7%**	**-1.5%**	**2.5%**
Australia	569	534	546	505	507	495	482	482	513	532	533	536	559	584	599	603	634	662	687	682	674	635	670	668	615	605	597	614	570	577	606	627	600	588	538	427	433	419	477	**468**	-2.0%	-1.8%	0.6%
Bangladesh	25	26	26	20	23	22	22	23	23	24	22	24	22	29	26	30	26	30	27	22	29	29	27	31	26	23	26	25	25	18	26	27	24	27	24	25	23	28	25	**24**	-2.1%	0.2%	♦
China	1510	1435	1447	1602	1638	1697	1839	1952	2035	2114	2153	2282	2426	2570	2548	2711	2850	3084	3060	3686	4067	4098	4334	4788	5555	5832	6235	6594	6828	7452	8408	8686	9199	9599	10155	10684	11084	11744	12483	**13432**	7.6%	6.2%	16.2%
India	502	593	645	694	706	828	902	953	959	1044	1038	1023	1089	1074	1133	1165	1236	1296	1339	1597	2039	2144	2212	2380	2559	2561	2860	3107	3213	3641	3899	4085	4302	4462	4475	4561	4930	5010	5154	**5119**	-0.7%	4.8%	6.2%
Indonesia	527	531	500	506	545	586	639	646	674	682	750	780	825	810	851	897	936	914	931	938	987	990	981	982	1003	980	913	904	910	900	853	880	820	822	848	836	885	885	916	**918**	0.2%	0.1%	1.1%
Japan	4015	3630	3360	3254	3355	3120	2991	2910	2990	3175	3437	3653	3882	3982	4167	4169	4168	4319	4212	4149	4145	4107	3986	4118	4038	4136	4026	3995	3946	3627	3619	3410	3400	3453	3289	3258	3280	3215	3059	**3047**	-0.4%	-2.5%	3.7%
Malaysia	123	121	114	141	161	159	148	152	159	164	184	197	212	212	284	338	380	375	358	369	452	493	473	530	528	509	522	557	559	554	470	516	575	557	552	514	574	570	566	**586**	3.4%	0.1%	0.7%
New Zealand	46	46	40	45	47	28	45	67	74	82	83	80	80	85	89	87	84	94	96	94	97	92	97	97	94	96	97	91	99	95	99	108	109	105	101	109	108	108	104	**110**	5.7%	0.5%	0.1%
Pakistan	90	96	100	100	104	114	118	116	116	115	125	134	131	131	128	129	128	127	130	133	158	181	192	196	210	231	222	238	226	209	190	193	192	223	232	257	242	261	275	**243**	-11.5%	2.0%	0.3%
Philippines	207	208	174	173	152	133	147	167	191	195	213	204	227	226	232	314	341	358	332	321	305	289	250	242	192	207	211	206	184	147	181	190	170	158	168	212	216	211	237	**180**	-24.0%	2.6%	0.2%
Singapore	550	600	580	560	560	700	750	670	746	840	936	959	952	1082	1118	1101	1183	1172	1098	933	880	880	825	939	1111	1176	1155	1163	1161	844	979	1035	1020	936	839	901	929	994	974	**930**	-4.5%	-1.7%	1.1%
South Korea	492	489	474	522	552	551	575	578	701	813	842	1131	1395	1490	1537	1729	1970	2389	2263	2391	2433	2355	2156	2145	2258	2335	2407	2417	2365	2297	2390	2533	2582	2484	2516	2784	2928	3061	3031	**2922**	-3.6%	2.5%	3.5%
Taiwan	359	335	327	358	347	345	320	344	363	423	413	452	448	499	479	582	618	631	667	708	759	729	789	888	998	1042	1000	992	900	956	876	809	897	847	850	838	861	848	889	**890**	0.1%	-0.1%	1.1%
Thailand	155	160	159	165	160	164	174	178	184	225	241	249	306	358	414	485	659	767	723	743	751	757	828	847	927	910	926	922	927	938	963	934	986	1056	1005	1107	1056	1093	1131	**1025**	-9.3%	2.0%	1.2%
Vietnam	-	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	2	6	8	6	6	3	8	9	9	10	10	28	121	137	126	148	129	155	155	141	221	**276**	25.2%	36.3%	0.3%
Other Asia Pacific	136	132	136	123	104	129	99	95	94	89	101	93	82	92	85	88	86	80	86	77	87	86	89	87	98	101	104	94	94	97	96	100	89	98	95	87	103	98	98	**130**	33.2%	0.4%	0.2%
Total Asia Pacific	**9306**	**8937**	**8627**	**8770**	**8960**	**9071**	**9251**	**9332**	**9823**	**10520**	**11071**	**11798**	**12637**	**13223**	**13691**	**14428**	**15299**	**16298**	**16012**	**16850**	**17870**	**17872**	**17916**	**18943**	**20220**	**20752**	**21310**	**21929**	**22017**	**22380**	**23775**	**24267**	**25090**	**25563**	**25816**	**26756**	**27806**	**28685**	**29640**	**30301**	**2.2%**	**3.0%**	**36.5%**
Total World	**58757**	**55588**	**53658**	**53414**	**54334**	**54149**	**56100**	**57014**	**58779**	**60122**	**60365**	**59879**	**60001**	**60197**	**60840**	**61780**	**63650**	**65828**	**66100**	**66417**	**67903**	**68604**	**68394**	**70555**	**73035**	**73932**	**74304**	**74778**	**74787**	**73159**	**75222**	**75557**	**76612**	**77021**	**77910**	**79969**	**80419**	**82040**	**82961**	**82989**	**♦**	**1.0%**	**100.0%**
of which: OECD	35301	32411	30251	29613	30166	29606	30907	30968	32115	32759	33459	33983	34835	35669	36350	36703	37671	39130	39659	38968	39378	39286	38648	39633	40098	39991	39692	39430	38728	36847	37335	37008	37277	36922	37046	38139	37938	38732	38516	**38124**	-1.0%	-0.1%	45.9%
Non-OECD	23456	23177	23407	23800	24168	24543	25192	26046	26665	27363	26905	25896	25167	24527	24490	25078	25979	26698	26442	27449	28524	29318	29746	30922	32937	33941	34611	35348	36060	36312	37888	38550	39336	40099	40865	41830	42481	43308	44445	**44866**	0.9%	2.1%	54.1%
European Union #	13871	12434	11496	11125	11095	10808	11565	11381	11805	11933	12012	11958	12030	12303	12553	12649	13010	13241	13767	13078	13166	13120	12904	13283	13578	13656	13402	13260	13246	12307	12237	11885	11861	11202	11154	11788	11698	11980	11796	**11596**	-1.7%	-1.2%	14.0%

Source: Includes data from ICIS.

* Atmospheric distillation capacity on a calendar-day basis.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Oil: Refining Capacity

Contents

Thousand barrels daily*	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Canada	1089	1140	1239	1280	1344	1396	1652	1684	1846	2034	2089	2150	2153	2217	2232	2155	2160	2093	1873
Mexico	417	417	457	525	525	562	562	594	722	722	746	822	822	991	1091	1226	1221	1215	1218
US	10390	10660	11350	11700	12020	12860	13290	13640	14360	14960	15240	16400	17050	17440	17990	18620	17890	16860	16140
Total North America	**11896**	**12217**	**13046**	**13505**	**13889**	**14818**	**15504**	**15918**	**16928**	**17716**	**18075**	**19372**	**20025**	**20648**	**21313**	**22001**	**21271**	**20168**	**19231**
Argentina	402	414	412	424	434	438	604	602	624	721	684	703	655	684	684	684	684	684	677
Brazil	347	352	361	439	477	525	597	756	820	981	996	990	1110	1202	1202	1393	1394	1423	1435
Chile	79	86	86	86	86	105	129	124	124	124	149	140	130	138	138	138	148	148	148
Colombia	95	123	123	132	131	131	165	172	166	172	172	165	165	166	176	191	191	201	212
Curacao	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ecuador	18	11	19	35	31	34	34	35	35	35	39	44	102	102	102	102	102	102	102
Netherlands Antilles	703	755	755	755	798	797	797	945	980	849	810	802	842	842	792	782	782	782	761
Peru	60	60	86	98	87	87	100	101	107	130	130	116	171	170	170	171	176	186	186
Trinidad & Tobago	341	390	405	430	433	436	436	450	450	456	456	456	456	436	436	436	436	410	355
Venezuela	1120	1135	1217	1222	1258	1289	1295	1474	1474	1474	1445	1445	1445	1371	1371	1283	1263	1253	1243
Other S. & Cent. America	396	472	505	551	687	965	1164	1347	1857	1855	2005	1999	2034	2018	2020	2023	1988	1675	1667
Total S. & Cent. America	**3562**	**3799**	**3969**	**4172**	**4423**	**4808**	**5321**	**6005**	**6636**	**6796**	**6886**	**6860**	**7110**	**7129**	**7091**	**7203**	**7164**	**6864**	**6786**
Austria	80	80	80	80	80	151	151	151	221	221	221	291	291	291	291	291	291	201	201
Belgium	335	352	502	611	692	721	837	847	865	936	978	1113	1082	1076	1076	1060	1060	726	726
Bulgaria	54	63	63	74	100	131	161	170	201	231	231	240	241	277	277	277	277	277	277
Czech Republic	24	24	58	58	58	58	58	58	58	120	120	120	120	120	120	120	120	177	177
Denmark	53	113	127	162	179	189	216	222	227	220	226	226	221	220	220	220	220	185	185
Finland	60	84	110	130	185	185	193	196	201	201	201	300	301	301	301	300	301	249	241
France	1411	1590	1683	1949	2113	2339	2431	2902	3090	3402	3404	3438	3439	3395	3351	3326	3179	2831	2378
Germany	1747	1911	2324	2436	2502	2643	2773	2918	3192	3268	3461	3452	3505	3603	3492	3422	3333	2976	2735
Greece	37	89	91	90	97	97	105	125	314	411	420	407	407	413	418	443	443	443	403
Hungary	90	99	105	115	125	134	137	150	165	177	201	204	221	251	291	290	291	291	285
Ireland	46	46	49	51	52	52	52	58	58	56	56	56	56	56	56	56	56	56	56
Italy	1560	2198	2564	2625	2738	2939	3539	3628	3792	3889	4343	4343	4270	3803	3201	3101	3036	2795	2777
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Netherlands	614	659	773	846	1319	1348	1587	1826	1826	1841	1985	2031	1869	1850	1850	1852	1705	1625	1504
Norway	60	60	98	107	117	194	161	173	168	168	259	259	264	260	260	250	240	240	240
Poland	86	86	86	161	161	161	201	241	241	241	311	320	351	361	361	361	361	361	361
Portugal	24	24	24	24	64	80	80	80	131	131	191	191	191	241	201	201	201	291	291
Romania	241	241	281	280	301	321	337	336	372	402	402	471	510	538	583	618	618	618	618
Slovakia	68	72	84	94	114	118	145	151	159	159	151	149	143	200	200	200	200	200	200
Spain	311	341	482	511	723	894	894	894	894	964	994	1212	1275	1362	1372	1392	1422	1427	1402
Sweden	98	153	153	253	253	253	253	253	253	253	253	420	420	426	441	471	471	451	451
Switzerland	43	93	98	98	103	99	102	120	140	138	138	137	137	132	132	132	132	132	132
Turkey	96	96	120	120	204	204	204	280	281	281	281	280	311	320	350	366	366	466	466
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1133	1133	1133	1293
United Kingdom	1474	1683	1731	1957	2195	2305	2450	2487	2852	2984	2940	2916	2801	2681	2677	2614	2518	2281	2022
Other Europe	64	76	76	169	189	246	309	327	330	337	337	314	358	404	554	624	624	674	674
Total Europe	**8676**	**10232**	**11762**	**13001**	**14665**	**15863**	**17376**	**18593**	**20031**	**21031**	**22104**	**22890**	**22784**	**22581**	**22075**	**23120**	**22598**	**21106**	**20095**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	600	720	720	720
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	780	780	780	780
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	220	220	220	220
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6857	6857	7027	7067
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	130	130	171	171
USSR	4518	4780	5061	5342	5623	6105	6527	6828	7230	8033	8435	9037	9840	9762	9942	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	175	175	175	175
Other CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total CIS	**4518**	**4780**	**5061**	**5342**	**5623**	**6105**	**6527**	**6828**	**7230**	**8033**	**8435**	**9037**	**9840**	**9762**	**9942**	**8762**	**8882**	**9093**	**9133**
Bahrain	205	205	205	205	205	205	205	250	250	250	250	250	250	260	260	260	260	260	260
Iran	467	524	524	594	594	594	605	605	660	690	810	810	1050	1081	1086	590	590	590	632
Iraq	79	82	82	103	103	103	109	115	115	186	186	186	186	210	302	319	191	278	430
Israel	87	95	109	109	102	125	133	147	212	201	181	201	201	194	194	194	194	194	200
Kuwait	342	360	360	440	469	469	541	523	523	523	563	577	577	579	579	579	554	534	534
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50
Qatar	1	1	1	1	1	1	1	1	1	7	7	9	10	11	11	13	13	12	63
Saudi Arabia	303	335	335	347	347	676	676	676	676	676	703	703	703	645	690	700	820	820	1010
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	15	15	15	15	15	135	135	180
Other Middle East	218	231	229	232	268	293	284	280	281	294	361	364	328	342	345	465	513	513	520
Total Middle East	**1702**	**1833**	**1845**	**2031**	**2089**	**2466**	**2554**	**2597**	**2718**	**2827**	**3061**	**3115**	**3320**	**3337**	**3482**	**3135**	**3270**	**3386**	**3879**
Algeria	54	54	54	54	54	58	58	116	116	116	116	116	116	110	134	440	440	440	440
Egypt	181	181	136	131	80	175	175	175	175	175	201	223	293	314	314	324	361	386	386
Morocco	34	34	34	34	34	34	34	40	48	78	78	78	78	74	154	154	154	154	154
Nigeria	32	32	33	42	42	55	60	60	60	60	60	60	60	160	160	210	210	260	260
South Africa	305	395	395	395	395	395	473	473	473	473	473	473	473	473	491	491	491	491	388
Other Africa	217	244	251	287	287	298	310	320	376	446	477	553	571	604	604	621	621	636	639
Total Africa	**823**	**941**	**904**	**943**	**893**	**1016**	**1110**	**1186**	**1249**	**1350**	**1406**	**1504**	**1592**	**1735**	**1857**	**2240**	**2277**	**2367**	**2267**
Australia	462	455	496	543	554	603	624	640	686	689	702	691	715	715	730	723	725	725	725
Bangladesh	-	-	-	-	-	-	-	31	31	30	30	31	31	31	31	31	31	31	31
China	241	318	318	462	540	605	768	875	1021	1229	1328	1576	1756	1724	1748	1972	1978	2185	2238
India	231	329	320	367	424	412	415	489	499	555	564	568	564	626	557	557	557	753	779
Indonesia	225	229	238	238	243	270	343	343	343	343	343	449	449	428	428	427	425	425	425
Japan	1917	2102	2214	2613	3029	3504	3904	4635	5140	5377	5567	5643	5643	5643	5643	5643	5643	5643	4724
Malaysia	118	123	124	120	124	125	125	123	123	182	143	168	140	143	158	172	175	175	205
New Zealand	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
Pakistan	52	62	62	62	62	62	62	62	62	62	62	62	96	96	96	113	113	113	113
Philippines	102	109	171	187	195	199	206	275	275	275	275	246	246	257	257	256	276	291	291
Singapore	50	79	162	170	180	288	303	490	700	956	923	918	918	958	960	1063	1063	1073	1083
South Korea	33	38	57	114	171	209	257	380	380	418	418	418	380	551	551	608	751	751	751
Taiwan	46	50	50	103	103	103	122	193	193	288	274	369	464	447	447	542	542	542	542
Thailand	45	45	45	45	63	122	122	153	153	153	153	153	153	166	171	177	177	177	177
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	25	25	25	25	63	63	63	93	93	96	96	96	136	134	142	178	192	217	226
Total Asia Pacific	**3608**	**4025**	**4343**	**5110**	**5811**	**6626**	**7375**	**8843**	**9760**	**10714**	**10939**	**11449**	**11752**	**11980**	**11980**	**12523**	**12708**	**13162**	**12370**
Total World	**34785**	**37827**	**40930**	**44104**	**47393**	**51700**	**55767**	**59970**	**64551**	**68467**	**70906**	**74227**	**76424**	**77171**	**77740**	**78984**	**78170**	**76145**	**73761**
of which: OECD	22852	24908	27411	29508	31967	34591	37181	39665	42659	44647	46287	48391	48830	49312	49291	49836	48739	46093	43073
Non-OECD	11933	12919	13519	14596	15426	17110	18585	20305	21892	23820	24618	25836	27594	27860	28449	29148	29432	30052	30688
European Union #	8413	9908	11370	12507	14051	15119	16600	17705	19127	20122	21104	21915	21729	21480	20794	20630	20118	18476	17305

Thousand barrels daily*	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Canada	1892	1880	1781	1883	1848	1885	1920	1903	1911	1824	1832	1792	1807	1811	1844	1861	1861	1917	1923	1959
Mexico	1269	1263	1280	1462	1462	1627	1627	1448	1448	1444	1444	1444	1444	1449	1449	1449	1481	1481	1463	1463
US	15659	15459	15566	15915	15655	15572	15676	15696	15121	15058	15434	15333	15452	15711	16261	16512	16568	16755	16757	16947
Total North America	**18820**	**18602**	**18627**	**19260**	**18965**	**19084**	**19223**	**19047**	**18480**	**18326**	**18710**	**18569**	**18703**	**18971**	**19554**	**19822**	**19910**	**20153**	**20143**	**20369**
Argentina	677	677	677	679	682	681	681	685	679	679	654	639	640	644	642	618	625	613	613	615
Brazil	1435	1435	1435	1435	1404	1440	1440	1445	1444	1429	1473	1481	1481	1750	1768	1796	1849	1849	1854	1915
Chile	148	148	148	148	148	148	148	148	148	150	162	163	181	201	201	201	201	201	218	238
Colombia	212	212	217	227	227	227	245	253	253	253	253	275	289	306	306	313	323	323	324	311
Curacao	n/a	n/a	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320
Ecuador	102	102	102	147	147	147	147	147	147	147	147	157	157	157	177	177	177	177	177	177
Netherlands Antilles	620	320	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Peru	187	187	187	187	187	187	187	187	187	189	189	189	189	189	189	192	198	198	198	198
Trinidad & Tobago	310	300	300	300	300	300	273	240	240	240	240	240	165	165	165	165	165	165	165	165
Venezuela	1243	1243	1186	1186	1186	1186	1186	1196	1202	1202	1202	1212	1212	1212	1215	1226	1269	1269	1269	1269
Other S. & Cent. America	1597	1197	1197	1198	1185	1307	1377	1445	1460	1410	1344	1184	1208	1133	1114	1150	1109	1133	1112	1143
Total S. & Cent. America	**6531**	**5821**	**5769**	**5827**	**5786**	**5943**	**6004**	**6066**	**6080**	**6019**	**5984**	**5860**	**5842**	**6077**	**6097**	**6158**	**6236**	**6248**	**6250**	**6351**
Austria	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
Belgium	607	569	609	676	686	693	684	662	662	662	665	669	686	689	707	709	739	758	780	776
Bulgaria	277	277	277	277	277	277	277	267	257	237	237	210	210	210	120	120	120	120	120	120
Czech Republic	177	177	177	177	177	177	177	177	177	177	177	177	177	177	200	200	200	200	200	193
Denmark	174	175	175	175	174	193	193	193	180	185	185	221	234	178	178	184	184	184	189	189
Finland	240	241	241	241	240	201	201	201	200	201	241	241	250	251	261	261	261	261	261	261
France	2194	2184	1919	1927	1815	1699	1699	1699	1711	1687	1697	1728	1749	1872	1918	1933	1984	1961	1987	1967
Germany	2553	2198	2158	2061	2077	2018	2024	2209	2219	2248	2272	2104	2098	2170	2206	2240	2262	2274	2286	2304
Greece	403	403	403	403	403	403	403	403	295	295	385	403	403	403	403	403	412	412	412	412
Hungary	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	165	165
Ireland	56	56	56	56	56	56	56	56	56	56	56	56	56	58	65	66	75	75	75	75
Italy	2738	2585	2586	2591	2475	2474	2528	2535	2455	2359	2359	2359	2344	2345	2385	2485	2485	2485	2485	2485
Lithuania	-	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
Netherlands	1500	1478	1456	1363	1359	1367	1207	1225	1254	1197	1197	1257	1234	1261	1261	1277	1277	1278	1282	1282
Norway	240	240	240	240	210	260	291	288	288	288	288	298	308	308	310	323	305	307	316	316
Poland	361	361	361	361	361	361	361	335	335	335	341	341	341	361	372	378	384	386	482	482
Portugal	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	306	306	306
Romania	618	618	618	618	678	698	698	698	597	567	532	532	528	525	512	438	391	461	421	419
Slovakia	200	200	200	200	200	200	180	180	180	180	180	150	115	115	115	115	120	122	122	122
Spain	1372	1312	1312	1312	1312	1287	1267	1272	1272	1277	1282	1308	1324	1312	1312	1326	1330	1330	1330	1347
Sweden	444	436	436	436	436	436	436	436	436	436	436	436	436	436	436	436	454	454	454	454
Switzerland	132	132	132	132	132	60	80	132	132	132	132	132	132	132	132	132	132	132	132	136
Turkey	466	466	579	703	703	703	703	708	713	713	713	713	713	713	713	713	713	713	713	713
Ukraine	1293	1293	1293	1293	1293	1293	1233	1233	1233	1233	1083	1083	1083	1083	1083	1083	891	731	699	639
United Kingdom	1919	1864	1805	1823	1814	1827	1850	1827	1837	1844	1866	1844	1873	1823	1848	1777	1778	1769	1785	1813
Other Europe	674	694	749	749	750	752	752	675	596	598	600	600	601	605	554	544	477	482	447	447
Total Europe	**19351**	**18912**	**18735**	**18767**	**18581**	**18388**	**18253**	**18364**	**18038**	**17860**	**17877**	**17815**	**17848**	**17980**	**18044**	**18096**	**17927**	**17863**	**17890**	**17864**
Azerbaijan	720	720	720	720	720	720	720	650	490	450	430	405	285	285	285	285	285	205	205	205
Belarus	780	780	780	780	780	780	780	780	780	780	780	340	340	380	500	500	500	500	500	480
Kazakhstan	220	360	360	360	360	360	360	330	330	330	330	330	330	330	330	330	330	330	330	330
Russian Federation	7067	7127	7193	7193	7193	7193	7193	7193	6541	6466	6124	6117	6065	5722	5593	5531	5516	5536	5444	5313
Turkmenistan	171	171	171	171	171	171	171	251	251	251	251	251	251	251	251	251	251	251	251	251
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	175	175	175	175	175	175	175	175	175	175	175	175	175	232	232	232	232	232	232	232
Other CIS	-	-	-	-	-	-	-	-	-	-	-	0	10	10	10	10	10	10	10	10
Total CIS	**9133**	**9333**	**9399**	**9399**	**9399**	**9399**	**9399**	**9379**	**8567**	**8452**	**8090**	**7618**	**7456**	**7210**	**7201**	**7139**	**7124**	**7064**	**6972**	**6821**
Bahrain	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260
Iran	680	685	685	780	790	860	880	995	1045	1220	1255	1315	1315	1436	1597	1647	1647	1647	1647	1692
Iraq	520	520	530	530	530	580	600	370	578	628	628	648	658	708	708	718	718	718	718	718
Israel	210	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270
Kuwait	704	584	684	844	844	844	280	140	380	464	764	824	854	906	926	926	680	764	814	914
Oman	50	50	70	80	80	80	80	80	80	80	80	80	80	80	80	80	80	82	85	85
Qatar	56	56	62	62	62	62	62	60	60	58	58	62	62	62	62	62	62	62	137	137
Saudi Arabia	1260	1510	1540	1565	1565	1915	1860	1645	1660	1670	1683	1692	1699	1704	1762	1808	1798	1805	1809	2049
United Arab Emirates	180	180	180	180	180	180	185	192	202	215	220	220	273	279	220	340	630	674	711	620
Other Middle East	520	520	530	530	530	493	483	498	478	478	478	478	478	478	483	496	496	496	496	496
Total Middle East	**4440**	**4635**	**4811**	**5101**	**5111**	**5544**	**4960**	**4510**	**5013**	**5343**	**5696**	**5849**	**5949**	**6183**	**6368**	**6607**	**6641**	**6778**	**6947**	**7241**
Algeria	440	440	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434	434
Egypt	433	433	443	523	576	583	583	583	592	633	633	633	645	645	645	645	654	770	810	810
Morocco	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
Nigeria	260	261	270	270	275	385	385	385	385	385	240	310	385	275	275	355	270	395	340	335
South Africa	324	324	324	324	324	324	324	324	324	380	451	461	464	466	466	476	481	486	505	514
Other Africa	826	861	878	893	893	893	883	883	883	887	879	879	881	829	849	831	865	893	893	893
Total Africa	**2437**	**2473**	**2503**	**2598**	**2656**	**2773**	**2763**	**2763**	**2772**	**2873**	**2791**	**2871**	**2963**	**2803**	**2823**	**2895**	**2858**	**3132**	**3136**	**3140**
Australia	723	670	659	647	660	662	662	677	694	703	708	730	751	793	810	828	828	815	829	756
Bangladesh	31	31	31	31	31	31	31	31	31	31	31	31	31	34	35	36	36	36	36	36
China	2243	2348	2370	2436	2560	2699	3160	3160	3326	3643	3898	4386	4618	4982	5018	5902	5908	6166	6878	7322
India	705	867	991	1059	1051	1080	1122	1122	1041	1069	1072	1133	1210	1236	1356	2190	2219	2261	2303	2293
Indonesia	814	824	824	824	823	823	823	823	823	823	941	941	941	1008	1041	1071	1071	1071	1004	1004
Japan	4724	4724	4619	4461	4324	4324	4324	4505	4636	4802	4862	5006	5006	5056	5144	5087	5010	4705	4728	4645
Malaysia	205	209	213	213	213	220	230	235	235	240	350	365	376	376	476	491	572	559	524	527
New Zealand	61	61	61	88	88	88	88	88	88	88	88	88	97	97	96	96	96	101	104	104
Pakistan	113	113	113	113	113	113	129	129	129	129	132	132	131	132	131	134	134	227	227	228
Philippines	291	291	291	291	291	291	291	291	291	291	301	366	369	389	394	396	398	398	398	335
Singapore	1083	1043	973	903	881	891	933	1031	1056	1098	1133	1175	1175	1200	1220	690	1340	1365	1393	1393
South Korea	751	751	751	751	751	798	798	983	1591	1591	1615	1727	2316	2316	2316	2316	2316	2316	2316	2316
Taiwan	542	570	570	570	570	570	570	570	570	570	570	732	732	732	732	732	732	874	1159	1159
Thailand	177	166	179	179	179	222	222	222	410	450	477	477	818	867	884	899	899	1064	1068	1068
Vietnam	-	-	-	-	1	1	1	1	-	-	-	-	-	-	3	8	8	8	8	8
Other Asia Pacific	226	183	183	184	185	185	185	187	187	187	187	145	145	145	145	145	143	143	137	138
Total Asia Pacific	**12689**	**12850**	**12827**	**12749**	**12720**	**12998**	**13569**	**14055**	**15108**	**15715**	**16365**	**17435**	**18716**	**19362**	**19801**	**21020**	**21710**	**22108**	**23111**	**23332**
Total World	**73401**	**72626**	**72671**	**73700**	**73218**	**74128**	**74170**	**74184**	**74058**	**74588**	**75513**	**76017**	**77477**	**78586**	**79888**	**81737**	**82406**	**83347**	**84448**	**85118**
of which: OECD	41925	41255	40933	41454	40788	40742	40818	41221	41274	41167	41852	41955	42762	43273	44178	44543	44679	44630	44810	44936
Non-OECD	31475	31371	31739	32246	32429	33386	33352	32963	32784	33421	33661	34062	34715	35313	35710	37194	37727	38717	39638	40181
European Union #	16561	16102	15757	15665	15509	15338	15546	15655	15403	15225	15392	15320	15343	15475	15533	15582	15608	15697	15782	15812

Contents

Thousand barrels daily*	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	rowth rate per annum 2019	2008-18	Share 2019
Canada	1915	1896	1914	1907	1951	1976	1913	2005	2015	1929	1929	1931	1934	1970	2025	**2054**	1.4%	0.4%	2.0%
Mexico	1463	1463	1463	1463	1463	1463	1463	1606	1606	1606	1522	1522	1522	1546	1558	**1558**	-	0.6%	1.5%
US	17125	17339	17440	17594	17672	17597	17736	17367	17823	17925	17967	18317	18617	18567	18762	**18974**	1.1%	0.6%	18.7%
Total North America	**20503**	**20698**	**20817**	**20964**	**21086**	**21036**	**21112**	**20977**	**21443**	**21460**	**21418**	**21770**	**22073**	**22082**	**22345**	**22586**	**1.1%**	**0.6%**	**22.3%**
Argentina	620	615	617	628	628	625	625	625	657	657	657	657	657	657	580	**580**	-	-0.8%	0.6%
Brazil	1926	1942	1942	1964	1977	1992	1992	2014	2004	2097	2238	2281	2289	2285	2285	**2290**	0.2%	1.5%	2.3%
Chile	238	238	234	242	242	242	242	250	254	254	258	258	258	258	258	**258**	-	0.6%	0.3%
Colombia	311	311	324	324	326	336	336	336	336	336	336	421	421	421	421	**421**	-	2.6%	0.4%
Curacao	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	**320**	-	-	0.3%
Ecuador	177	177	177	175	175	175	175	175	175	175	175	175	175	175	175	**175**	-	-	0.2%
Netherlands Antilles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Peru	223	223	223	223	230	252	252	252	252	253	253	253	253	253	253	**253**	-	1.0%	0.2%
Trinidad & Tobago	165	165	165	165	165	165	165	165	165	165	165	165	165	165	-	**-**	n/a	-100.0%	-
Venezuela	1284	1291	1294	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	**1303**	-	-	1.3%
Other S. & Cent. America	1151	1144	1150	1192	1176	900	901	1013	356	361	376	384	384	384	384	**384**	-	-10.6%	0.4%
Total S. & Cent. America	**6415**	**6426**	**6446**	**6536**	**6542**	**6310**	**6311**	**6453**	**5822**	**5921**	**6081**	**6217**	**6225**	**6221**	**5979**	**5984**	**0.1%**	**-0.9%**	**5.9%**
Austria	201	201	201	201	201	201	201	193	193	193	193	193	193	193	193	**193**	-	-0.4%	0.2%
Belgium	751	756	766	781	786	786	787	788	753	776	776	776	776	776	776	**776**	-	-0.1%	0.8%
Bulgaria	180	205	205	175	175	180	195	195	195	195	195	195	195	195	195	**195**	-	1.1%	0.2%
Czech Republic	193	193	193	193	193	193	193	193	175	175	175	175	175	175	175	**175**	-	-1.0%	0.2%
Denmark	188	189	189	189	189	189	189	181	181	181	180	180	180	181	181	**181**	-	-0.4%	0.2%
Finland	260	261	261	261	261	261	261	261	261	261	261	261	261	261	261	**261**	-	-	0.3%
France	1982	1978	1959	1962	1971	1847	1702	1610	1513	1375	1375	1375	1245	1245	1245	**1245**	-	-4.5%	1.2%
Germany	2320	2322	2390	2390	2366	2362	2091	2077	2097	2061	2077	2049	2051	2069	2085	**2085**	-	-1.3%	2.1%
Greece	412	418	425	425	425	425	490	495	498	498	498	528	528	528	528	**528**	-	2.2%	0.5%
Hungary	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	**165**	-	-	0.2%
Ireland	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	**75**	-	-	0.1%
Italy	2497	2515	2526	2377	2396	2396	2396	2276	2098	1861	1900	1900	1900	1900	1900	**1900**	-	-2.3%	1.9%
Lithuania	241	241	241	241	241	241	241	241	241	241	241	241	241	241	241	**241**	-	-	0.2%
Netherlands	1284	1274	1274	1236	1280	1280	1274	1276	1279	1279	1279	1298	1298	1299	1299	**1309**	0.8%	0.1%	1.3%
Norway	316	316	316	316	316	316	316	329	342	342	342	342	342	342	342	**342**	-	0.8%	0.3%
Poland	485	507	498	493	492	491	560	580	582	582	582	581	581	568	581	**581**	-	1.7%	0.6%
Portugal	306	306	306	306	306	306	306	306	330	330	330	330	330	330	330	**330**	-	0.7%	0.3%
Romania	378	389	389	389	358	283	247	229	214	235	228	239	256	247	254	**252**	-0.9%	-3.4%	0.2%
Slovakia	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	**122**	-	-	0.1%
Spain	1372	1377	1362	1362	1362	1362	1421	1542	1546	1546	1546	1562	1562	1562	1564	**1586**	1.4%	1.4%	1.6%
Sweden	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	**454**	-	-	0.4%
Switzerland	140	140	140	140	140	140	140	140	106	140	140	68	68	68	68	**68**	-	-7.0%	0.1%
Turkey	613	613	613	613	613	613	613	596	596	596	596	596	596	596	818	**822**	0.5%	2.9%	0.8%
Ukraine	639	525	525	526	566	582	484	484	258	272	250	250	250	250	250	**250**	-	-7.8%	0.2%
United Kingdom	1848	1819	1836	1819	1827	1757	1757	1787	1526	1498	1337	1337	1227	1227	1227	**1227**	-	-3.9%	1.2%
Other Europe	420	420	401	401	398	420	420	404	426	376	376	376	376	358	358	**358**	-	-1.1%	0.4%
Total Europe	**17841**	**17782**	**17832**	**17614**	**17679**	**17447**	**17102**	**17000**	**16225**	**15829**	**15693**	**15669**	**15448**	**15426**	**15686**	**15721**	**0.2%**	**-1.2%**	**15.5%**
Azerbaijan	205	205	205	205	205	205	205	205	205	205	205	205	205	205	120	**120**	-	-5.2%	0.1%
Belarus	460	460	460	460	460	460	460	460	460	460	460	460	460	490	520	**520**	-	1.2%	0.5%
Kazakhstan	330	330	330	330	330	330	330	330	330	350	350	350	350	360	390	**400**	2.6%	1.7%	0.4%
Russian Federation	5316	5398	5514	5471	5387	5425	5563	5721	5816	6279	6417	6523	6594	6596	6596	**6721**	1.9%	2.0%	6.6%
Turkmenistan	251	251	251	251	251	251	251	251	251	251	251	271	271	271	271	**271**	-	0.8%	0.3%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	232	232	232	232	232	232	232	232	232	232	232	232	232	232	232	**232**	-	-	0.2%
Other CIS	10	10	10	10	10	10	14	10	10	12	29	38	39	42	42	**45**	7.1%	15.3%	♦
Total CIS	**6804**	**6886**	**7002**	**6959**	**6875**	**6913**	**7055**	**7209**	**7304**	**7789**	**7944**	**8079**	**8151**	**8196**	**8171**	**8309**	**1.7%**	**1.7%**	**8.2%**
Bahrain	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	**260**	-	-	0.3%
Iran	1692	1692	1772	1772	1805	1860	1860	1860	1952	1985	1985	1985	1985	2130	2240	**2405**	7.4%	2.2%	2.4%
Iraq	718	728	743	738	738	853	914	935	971	823	791	763	779	779	849	**919**	8.2%	1.4%	0.9%
Israel	270	270	270	272	275	275	280	292	292	294	301	301	301	301	301	**301**	-	0.9%	0.3%
Kuwait	936	936	936	936	936	936	936	936	936	936	936	936	936	736	736	**736**	-	-2.4%	0.7%
Oman	85	85	201	216	222	222	222	222	222	222	222	222	222	304	334	**334**	-	4.2%	0.3%
Qatar	137	137	137	137	137	283	283	283	283	283	283	283	429	429	429	**429**	-	12.1%	0.4%
Saudi Arabia	2074	2102	2102	2102	2102	2109	2109	2107	2107	2507	2899	2899	2901	2826	2835	**2835**	-	3.0%	2.8%
United Arab Emirates	620	620	620	625	682	702	702	707	712	712	728	1149	1149	1229	1229	**1307**	6.3%	6.1%	1.3%
Other Middle East	496	496	496	496	496	496	496	496	496	382	382	382	382	496	496	**496**	-	-	0.5%
Total Middle East	**7288**	**7326**	**7537**	**7554**	**7653**	**7996**	**8062**	**8098**	**8231**	**8404**	**8787**	**9180**	**9344**	**9490**	**9709**	**10022**	**3.2%**	**2.4%**	**9.9%**
Algeria	443	443	443	443	444	554	554	652	652	647	651	651	651	657	657	**657**	-	4.0%	0.6%
Egypt	810	810	810	810	810	810	810	810	810	810	810	810	810	810	795	**795**	-	-0.2%	0.8%
Morocco	154	154	154	156	131	131	131	131	201	201	201	201	201	201	201	**201**	-	4.4%	0.2%
Nigeria	250	345	150	150	250	110	211	336	336	336	339	339	339	339	344	**350**	1.7%	3.2%	0.3%
South Africa	517	520	520	520	520	520	520	520	520	520	520	520	520	520	520	**520**	-	-	0.5%
Other Africa	877	877	938	938	938	938	939	980	980	690	692	692	692	672	677	**677**	-	-3.2%	0.7%
Total Africa	**3051**	**3149**	**3015**	**3017**	**3093**	**3063**	**3165**	**3429**	**3499**	**3203**	**3213**	**3213**	**3213**	**3199**	**3194**	**3200**	**0.2%**	**0.3%**	**3.2%**
Australia	763	718	694	733	734	734	740	742	663	662	536	443	452	454	454	**455**	0.3%	-4.7%	0.4%
Bangladesh	36	36	36	36	36	39	39	39	40	43	43	43	43	43	43	**43**	-	1.8%	♦
China	7844	8463	9227	9455	10389	11334	12323	13015	13681	14503	15253	15024	14895	15231	15655	**16199**	3.5%	4.2%	16.0%
India	2558	2558	2872	2983	2992	3574	3703	3795	4279	4319	4319	4307	4620	4699	4972	**5008**	0.7%	5.2%	4.9%
Indonesia	1004	1004	1004	1094	1094	1099	1099	1099	1099	1099	1099	1111	1111	1111	1094	**1094**	-	♦	1.1%
Japan	4531	4531	4588	4650	4650	4630	4291	4274	4254	4123	3749	3721	3600	3343	3343	**3343**	-	-3.2%	3.3%
Malaysia	527	522	528	534	568	572	582	601	606	612	612	612	618	625	625	**625**	-	1.0%	0.6%
New Zealand	104	102	102	103	103	136	136	136	136	136	136	136	136	136	136	**136**	-	2.8%	0.1%
Pakistan	256	269	271	275	274	276	279	279	275	390	390	389	389	401	401	**401**	-	3.9%	0.4%
Philippines	280	280	276	270	270	267	264	261	261	270	271	271	271	271	271	**271**	-	♦	0.3%
Singapore	1406	1420	1422	1427	1427	1427	1427	1427	1422	1414	1514	1514	1514	1514	1514	**1514**	-	0.6%	1.5%
South Korea	2598	2598	2633	2679	2712	2746	2774	2864	2878	2878	3123	3128	3259	3298	3346	**3393**	1.4%	2.1%	3.3%
Taiwan	1159	1159	1140	1197	1197	1197	1197	1197	1197	1197	1197	988	988	1083	1083	**1083**	-	-1.0%	1.1%
Thailand	1068	1078	1100	1100	1165	1236	1230	1230	1230	1237	1252	1252	1235	1235	1235	**1235**	-	0.6%	1.2%
Vietnam	11	11	11	11	11	159	159	159	159	159	159	159	163	167	367	**367**	-	42.0%	0.4%
Other Asia Pacific	171	170	170	170	172	177	177	178	178	184	191	191	191	191	191	**351**	83.6%	1.1%	0.3%
Total Asia Pacific	**24316**	**24920**	**26074**	**26717**	**27794**	**29602**	**30418**	**31296**	**32357**	**33225**	**33843**	**33288**	**33484**	**33802**	**34729**	**35518**	**2.3%**	**2.3%**	**35.0%**
Total World	**86218**	**87187**	**88723**	**89360**	**90722**	**92367**	**93225**	**94462**	**94882**	**95831**	**96980**	**97416**	**97937**	**98416**	**99814**	**101340**	**1.5%**	**1.0%**	**100.0%**
of which: OECD	45232	45398	45651	45765	45984	45780	45330	45224	45052	44557	44165	44366	44448	44248	44812	**45138**	0.7%	-0.3%	44.5%
Non-OECD	40986	41789	43072	43595	44738	46587	47895	49238	49830	51274	52815	53050	53489	54168	55002	**56202**	2.2%	2.1%	55.5%
European Union #	15885	15940	16009	15790	15818	15548	15301	15219	14669	14275	14161	14209	13988	13984	14022	**14053**	0.2%	-1.2%	13.9%

Source: Includes data from ICIS.

* Atmospheric distillation capacity at year end on a calendar-day basis.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Oil: Regional refining margins

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US dollars per barrel

	USGC Medium Sour Coking	NWE Light Sweet Cracking	Singapore Medium Sour Hydrocracking
1Q00	2.70	2.07	2.42
2Q00	5.22	4.26	0.63
3Q00	3.87	3.44	3.19
4Q00	3.78	3.63	2.19
1Q01	6.69	2.35	0.7
2Q01	7.71	3.35	0.96
3Q01	3.24	1.74	0.75
4Q01	1.79	1.53	1.2
1Q02	2.04	0.09	0.2
2Q02	2.62	0.59	0.18
3Q02	1.82	1.28	0.47
4Q02	2.98	2.19	1.41
1Q03	6.14	3.7	2.98
2Q03	3.59	2.14	0.66
3Q03	5.61	2.47	1.27
4Q03	3.52	2.21	2.2
1Q04	6.92	2.73	3.42
2Q04	9.18	5.29	2.8
3Q04	6.99	4.37	5.48
4Q04	5.52	4.72	8.02
1Q05	7.3	2.84	4.98
2Q05	9.37	5.68	6.3
3Q05	17.12	7.78	6.52
4Q05	11.64	5.51	4.42
1Q06	10.86	2.88	3.54
2Q06	17.74	5.78	6.83
3Q06	11.47	4.54	3.58
4Q06	7.92	2.49	2.95
1Q07	10.14	4.16	4.84
2Q07	24.46	7.12	6.01
3Q07	12.58	3.82	4.52
4Q07	6.82	4.84	5.80
1Q08	6.21	4.79	4.76
2Q08	8.59	7.46	9.41
3Q08	9.87	7.13	5.90
4Q08	2.49	7.48	5.16
1Q09	6.69	4.67	2.51
2Q09	6.00	3.10	-0.11
3Q09	4.16	2.60	-0.02
4Q09	1.75	2.69	-1.47
1Q10	3.50	4.29	0.97
2Q10	6.59	3.84	0.85
3Q10	4.72	2.59	2.34
4Q10	5.03	4.50	2.32
1Q11	2.59	3.19	4.23
2Q11	8.59	1.92	4.18
3Q11	4.73	2.98	4.41
4Q11	-1.14	4.67	3.32
1Q12	4.44	4.84	2.35
2Q12	11.07	7.08	2.23
3Q12	13.72	9.26	5.22
4Q12	3.50	6.76	2.93
1Q13	5.88	5.82	4.76
2Q13	10.61	4.54	2.74
3Q13	8.34	3.12	1.80
4Q13	7.59	2.89	1.30
1Q14	7.13	2.60	2.63
2Q14	13.67	2.86	1.33
3Q14	10.72	4.72	1.11
4Q14	3.41	5.52	3.96
1Q15	10.63	7.38	6.44
2Q15	14.70	7.94	4.07
3Q15	16.56	8.83	2.36
4Q15	8.59	4.74	5.03
1Q16	7.07	4.10	4.55
2Q16	8.99	4.56	2.51
3Q16	9.54	3.35	3.30
4Q16	8.33	5.60	4.09
1Q17	9.05	5.29	3.57
2Q17	9.47	5.59	3.68
3Q17	13.00	6.94	5.52
4Q17	7.83	5.66	4.43
1Q18	8.01	4.41	5.08
2Q18	9.06	4.34	4.17
3Q18	8.84	5.21	4.01
4Q18	3.41	4.28	3.98
1Q19	2.69	3.69	2.98
2Q19	7.47	4.24	2.27
3Q19	8.72	6.43	5.49
4Q19	7.63	4.32	0.48

Notes: The refining margins presented are benchmark margins for three major global refining centres. US Gulf Coast (USGC), North West Europe (NWE - Rotterdam) and Singapore
In each case they are based on a single crude oil appropriate for that region and have optimized product yields based on a generic refinery configuration (cracking, hydrocracking or coking), again appropriate for that region.
The margins are on a semi-variable basis, i.e. the margin after all variable costs and fixed energy costs.

Oil: Trade movements

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Thousand barrels daily	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	owth rate per annum 2019	2008-18	Share 2019
Imports																																											
US	6735	5950	5040	4990	5380	5065	6045	6245	7240	8019	8026	7791	7888	8620	8929	8830	9400	9907	10382	10550	11092	11618	11357	12254	12898	13525	13612	13632	12872	11453	11689	11338	10587	9859	9241	9451	10056	10148	9943	**9094**	-8.5%	-2.5%	12.8%
Europe	12244	10653	9750	9038	8970	8768	9282	8283	9487	9752	9801	10171	10319	11478	11092	10694	10631	10647	11272	10807	11251	11757	12146	12341	12854	13557	13728	14241	14066	12802	12407	12489	12721	12920	12957	13993	14354	14700	14896	**14867**	-0.2%	0.6%	21.0%
China	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	678	527	679	828	1257	1054	1280	1893	1788	1987	2643	3445	3427	3883	4172	4494	5100	5886	6295	6675	6978	7398	8333	9214	10241	11024	**11825**	7.3%	9.4%	16.7%
India	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	859	851	915	1093	1089	1265	1455	1638	1727	1871	2001	2139	2236	2613	2924	3066	3491	3749	3823	4168	4370	4155	4380	4945	4920	5196	**5379**	3.5%	5.4%	7.6%
Japan	4985	4460	4155	4145	4305	4045	4140	4125	4412	4549	4802	4925	5306	5307	5612	5581	5685	5735	5259	5346	5329	5202	5070	5314	5203	5225	5201	5032	4925	4263	4567	4494	4743	4637	4383	4332	4180	4142	3940	**3779**	-4.1%	-2.2%	5.3%
Rest of World	8635	8304	7225	6710	6611	6764	7450	6540	7339	8531	9140	9839	10274	10626	11268	11912	13058	13590	13172	13484	13284	14020	13660	13692	14685	15143	15556	17409	17138	17211	17048	17634	17812	20012	21193	22026	23776	25663	26154	**26980**	-0.7%	4.3%	36.6%
Total World	**32599**	**29367**	**26170**	**24883**	**25266**	**24642**	**26917**	**25193**	**28478**	**30851**	**31769**	**32726**	**33787**	**37568**	**38280**	**38611**	**40695**	**42225**	**42404**	**42921**	**44488**	**46111**	**46090**	**48245**	**51224**	**53113**	**54593**	**57411**	**56561**	**54320**	**55346**	**56072**	**56706**	**58776**	**59328**	**62515**	**66526**	**69814**	**71154**	**70925**	**-0.3%**	**2.3%**	**100.0%**
Exports																																											
Canada	445	455	485	545	655	685	675	630	890	944	955	1111	1101	1215	1323	1401	1484	1492	1603	1520	1703	1804	1959	2096	2148	2201	2330	2457	2498	2518	2599	2798	3056	3296	3536	3836	3890	4241	4513	**4683**	3.8%	6.1%	6.6%
Mexico	875	1165	1535	1620	1635	1580	1405	1440	1427	1361	1387	1468	1469	1434	1421	1422	1656	1767	1770	1739	1814	1882	1966	2115	2070	2065	2102	1975	1609	1449	1539	1487	1366	1347	1293	1323	1380	1290	1314	**1268**	-3.5%	-2.0%	1.8%
US	555	605	815	740	720	780	765	745	845	817	889	1000	918	959	943	949	978	976	1011	956	890	910	904	921	991	1129	1317	1439	1967	1947	2154	2495	2682	3563	4033	4521	5078	5888	7054	**8016**	13.6%	13.6%	11.3%
S. & Cent. America	3010	3215	2600	2445	2485	1985	2195	1595	1819	2150	2367	1953	2374	2391	2695	2797	3011	3219	3240	3145	3079	3143	2965	2942	3233	3528	3681	3570	3616	3748	3568	3755	3830	3790	3939	4107	4147	3958	3741	**3422**	-8.5%	0.3%	4.8%
Europe[1]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1369	1598	1435	1528	1476	1358	1887	2061	2025	2308	2149	2113	2257	2239	2300	2073	2076	1966	2139	2181	2545	2467	2926	3082	3392	3419	**3159**	-7.6%	5.1%	4.5%
Russia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3714	3704	3468	3633	3697	3882	4214	4198	4631	5300	5795	6355	6878	6792	7827	7540	7257	7397	7448	7457	7948	7792	8313	8814	8992	9080	**9186**	1.2%	1.9%	13.0%
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	71	42	134	328	427	422	547	634	738	926	907	1079	1126	1328	1562	1730	1861	2039	2180	1962	2166	2092	2100	2096	2201	2201	**2265**	2.9%	2.4%	3.2%
USSR & Central Europe	2040	2192	2210	2591	2643	2549	2711	2589	3510	3201	2659	1860	2298	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Saudi Arabia	9630	9500	6145	4304	3665	2674	3980	3346	4537	4408	5806	7752	7870	7679	7594	7612	7601	7577	7759	6999	7461	7118	6278	7651	8125	8594	8307	8101	8357	7276	7595	8120	8468	8365	7911	7968	8606	8404	8638	**8397**	-2.8%	0.3%	11.8%
Middle East (ex Saudi Arabia)	8155	5438	5753	6238	6353	6820	7170	7239	7582	9242	8713	6425	7920	9227	9378	9496	10089	11131	11420	11741	11826	12378	12130	11776	12070	11879	12527	12198	12415	11744	11976	12188	11742	12242	12699	13537	15321	16255	16098	**15010**	-6.8%	2.6%	21.2%
North Africa[2]	2820	2175	2145	2180	2290	2415	2515	2435	2598	2415	2604	2781	2849	2685	2652	2699	2757	2746	2715	2730	2733	2726	2629	2720	2920	3076	3245	3341	3268	2943	2878	1951	2602	2127	1743	1701	1727	2226	2410	**2420**	0.4%	-3.0%	3.4%
West Africa[3]	2475	1730	1500	1425	1670	1765	1980	1880	2022	2319	2248	2500	2679	2685	2692	2736	2941	3126	3106	3021	3311	3219	3184	3646	4134	4408	4797	4961	4712	4531	4755	4759	4724	4590	4849	4880	4401	4531	4552	**4560**	0.2%	-0.3%	6.4%
Asia Pacific (ex Japan)[4]	2099	2081	1952	1870	2220	2339	2301	2064	2006	2353	2203	2296	2468	3334	3400	3470	3907	3899	3560	3626	3832	4017	3972	4150	4349	4429	4567	6004	5392	5631	6226	6088	6299	6307	6450	6780	7356	7811	7568	**7963**	5.2%	3.4%	11.2%
Rest of World	495	810	1030	925	950	1050	1220	1230	1242	1641	1938	3579	1842	806	839	991	780	691	560	795	945	1522	1569	1376	1638	1543	1362	1675	1385	1340	653	663	338	491	524	525	625	625	565	**577**	2.0%	-8.6%	0.8%
Total World	**32599**	**29367**	**26170**	**24883**	**25266**	**24642**	**26917**	**25193**	**28478**	**30851**	**31769**	**32726**	**33787**	**37568**	**38280**	**38611**	**40694**	**42225**	**42405**	**42921**	**44488**	**46113**	**46090**	**48245**	**51224**	**53113**	**54593**	**57411**	**56561**	**54320**	**55346**	**56072**	**56706**	**58776**	**59328**	**62515**	**66526**	**69814**	**71154**	**70925**	**-0.3%**	**2.3%**	**100.0%**

Notes: Unless otherwise stated, this table shows inter-regional trade based on the regional classification in the table 'Oil trade in 2018 and 2019'.

[1] Prior to 1993, Europe excludes Central Europe (Albania, Bulgaria, Czech Republic, Former Republic of Yugoslavia, Hungary, Poland, Romania, Slovakia).

[2] Excludes intra-Middle East trade before 1993.

[3] North and West African exports excludes intra-Africa trade prior to 1993.

[4] Excludes Japan. Excludes trade between other Asia Pacific countries and Singapore prior to 1993.

n/a not available.

Bunker fuel use is not included as exports. Intra-area movements (for example, between countries within Europe) are excluded.

Annual changes and shares of total are calculated using thousand barrels daily figures.

Oil: Inter-area movements 2019

Contents

Crude (million tonnes)	To: Canada	Mexico	US	S. & Cent.	Europe	Russia	Other CIS	Middle East	Africa	Australasia	China	India	Japan	Singapore	Other Asia	Total
From																
Canada	-	-	189.7	0.3	3.7	-	-	†	†	†	2.2	0.9	†	-	0.2	**197.0**
Mexico	-	-	29.9	0.1	10.5	-	-	0.1	-	-	0.5	10.0	0.3	-	6.8	**58.1**
US	24.2	0.1	-	8.1	45.8	-	†	2.5	0.2	0.5	6.3	9.1	3.1	1.9	36.0	**137.7**
S. & Cent. America	0.2	†	40.0	-	12.6	†	-	0.4	0.3	-	67.2	18.7	2.3	0.5	3.9	**146.2**
Europe	0.9	-	6.3	0.8	-	†	†	0.4	0.3	†	13.6	2.4	-	0.2	1.8	**26.7**
Russia	0.9	-	6.6	0.4	153.0	-	18.4	5.6	†	0.9	77.7	2.9	7.9	1.4	10.4	**286.1**
Other CIS	0.3	-	1.6	0.1	68.1	†	-	4.9	0.3	0.1	4.2	3.6	0.9	0.4	6.9	**91.5**
Iraq	-	-	16.5	0.6	55.4	†	†	3.3	0.3	-	51.8	49.2	2.1	2.7	18.9	**200.8**
Kuwait	-	-	2.2	-	4.9	-	-	†	3.7	-	22.7	10.6	12.6	2.7	39.8	**99.2**
Saudi Arabia	5.1	-	24.9	3.5	39.9	-	-	13.2	8.4	0.3	83.3	42.6	52.6	6.1	78.5	**358.4**
UAE	-	-	0.1	†	0.2	†	-	†	2.6	6.1	15.3	19.6	42.9	13.2	39.4	**139.4**
Other Middle East	-	-	-	†	4.3	-	†	5.7	0.1	0.1	52.2	10.8	19.3	9.2	23.5	**125.2**
North Africa	0.1	-	4.6	2.7	59.1	-	0.1	1.3	†	2.1	10.7	5.6	0.4	1.4	5.1	**93.4**
West Africa	1.1	-	14.1	4.7	65.1	†	†	1.7	10.0	1.7	77.8	30.2	0.4	2.3	10.0	**219.0**
East & S. Africa	†	-	0.2	†	†	†	-	†	†	-	3.9	0.7	0.1	†	0.6	**5.5**
Australasia	†	-	-	†	†	-	-	0.6	†	-	2.3	-	0.4	3.0	6.8	**13.0**
China	-	-	-	†	-	-	†	†	†	-	-	-	-	†	0.4	**0.4**
India	-	-	-	†	†	-	-	†	†	†	-	-	-	†	†	**0.1**
Japan	-	-	-	-	†	-	-	-	†	†	-	-	-	†	†	**†**
Singapore	-	-	-	†	-	-	-	†	†	0.4	-	-	-	-	1.5	**1.9**
Other Asia Pacific	†	-	1.6	†	†	-	-	0.5	0.1	10.6	15.6	4.7	1.5	4.6	-	**39.2**
Total imports	**32.9**	**0.1**	**338.4**	**21.3**	**522.5**	**†**	**18.5**	**40.2**	**26.4**	**22.9**	**507.2**	**221.7**	**146.9**	**49.6**	**290.4**	**2239.0**

Product (million tonnes)	Canada	Mexico	US	S. & Cent.	Europe	Russia	Other CIS	Middle East	Africa	Australasia	China	India	Japan	Singapore	Other Asia	Total
From																
Canada	-	0.6	29.2	1.0	1.7	†	†	†	†	†	0.9	0.1	0.8	0.1	0.4	**34.7**
Mexico	†	-	2.4	1.1	0.1	-	†	†	0.1	†	0.2	†	0.2	0.7	†	**4.8**
US	26.3	55.5	-	83.0	23.6	†	†	2.5	8.6	1.1	2.7	10.2	13.1	2.5	22.1	**251.1**
S. & Cent. America	0.2	0.9	9.2	-	3.8	†	†	0.6	2.6	0.1	1.3	0.4	0.4	2.7	1.3	**23.3**
Europe	4.8	1.5	24.4	9.6	-	0.4	1.1	13.6	43.9	1.2	2.4	0.6	0.6	16.2	5.1	**125.4**
Russia	0.3	0.1	18.3	2.8	106.1	-	4.2	3.3	4.8	†	3.1	0.9	1.1	9.4	10.1	**164.6**
Other CIS	0.3	†	0.6	0.1	8.2	8.8	-	0.1	0.6	†	0.4	0.1	†	0.1	1.2	**20.4**
Iraq	-	-	0.4	†	†	-	†	0.4	†	-	0.1	1.4	-	6.9	1.7	**11.0**
Kuwait	†	-	†	0.2	1.8	-	†	4.0	3.5	†	2.4	2.1	1.4	1.8	8.1	**25.4**
Saudi Arabia	†	-	1.4	0.4	16.5	†	†	5.7	10.3	0.2	3.5	8.1	1.3	3.3	6.7	**57.4**
UAE	†	†	1.1	1.0	6.7	†	†	5.4	11.2	0.7	6.6	7.9	4.5	8.9	23.1	**77.0**
Other Middle East	†	†	1.2	0.2	8.1	†	0.1	13.2	5.1	0.2	6.9	6.6	4.4	1.9	14.3	**62.1**
North Africa	†	-	5.0	1.4	10.3	†	†	0.7	0.4	†	1.6	0.9	0.3	0.7	4.7	**26.1**
West Africa	†	†	1.3	0.6	2.1	†	†	†	0.5	†	1.7	†	†	0.2	1.2	**7.7**
East & S. Africa	†	†	†	0.2	0.3	†	†	1.3	0.7	†	†	†	†	†	0.3	**3.0**
Australasia	†	†	0.1	0.1	1.2	†	†	†	†	-	1.2	0.1	1.3	0.6	1.0	**5.5**
China	0.3	1.3	0.5	3.7	2.5	†	0.1	1.6	2.8	3.4	-	0.8	0.8	15.0	34.1	**66.9**
India	†	†	4.6	1.5	10.4	†	†	13.5	10.9	0.6	1.1	-	1.0	5.3	11.9	**60.7**
Japan	0.1	0.3	1.7	1.5	0.2	†	†	0.1	0.1	4.6	2.4	0.1	-	1.4	6.9	**19.3**
Singapore	0.1	0.1	1.2	1.2	1.7	†	†	1.2	3.7	9.3	7.1	1.8	0.5	-	58.2	**86.1**
Other Asia Pacific	0.1	0.6	7.1	0.9	3.8	0.1	0.2	2.3	5.3	11.0	32.8	2.4	8.0	34.8	-	**109.3**
Total imports	**32.5**	**60.9**	**109.9**	**110.2**	**209.2**	**9.4**	**5.6**	**69.3**	**115.1**	**32.2**	**78.4**	**44.4**	**39.7**	**112.4**	**212.7**	**1241.9**

† Less than 0.05.

Notes: Does not include biofuels trade. Bunker fuel use is not included as exports. Intra-area movements (for example, between countries within Europe) are excluded.

Crude imports and exports include condensates.

Oil trade in 2018 and 2019

Contents

	2018				2019			
Million tonnes	Crude Imports	Product Imports	Crude Exports	Product Exports	Crude Imports	Product Imports	Crude Exports	Product Exports
Canada	26.6	35.7	191.5	32.0	32.9	32.5	197.0	34.7
Mexico	0.1	61.6	59.8	5.4	0.1	60.9	58.1	4.8
US	386.8	104.0	92.2	248.9	338.4	109.9	137.7	251.1
S. & Cent. America	24.4	105.9	156.9	28.2	21.3	110.2	146.2	23.3
Europe	514.4	218.4	25.7	138.9	522.5	209.2	26.7	125.4
Russia	0.5	9.4	274.7	170.4	†	9.4	286.1	164.6
Other CIS	18.6	10.0	86.8	21.9	18.5	5.6	91.5	20.4
Iraq	†	3.4	201.1	8.6	†	4.5	200.8	11.0
Kuwait	†	0.7	107.4	25.1	†	0.8	99.2	25.4
Saudi Arabia	†	10.9	367.1	60.6	0.1	11.4	358.4	57.4
United Arab Emirates	7.3	32.4	126.5	75.1	12.3	34.9	139.4	77.0
Other Middle East	24.9	16.7	191.3	59.6	27.8	17.8	125.2	62.1
North Africa	7.3	38.9	92.3	26.6	6.4	37.6	93.4	26.1
West Africa	1.0	41.7	218.9	7.5	0.4	38.5	219.0	7.7
East & S. Africa	21.5	34.4	6.3	3.0	19.6	39.0	5.5	3.0
Australasia	23.4	32.6	9.0	4.0	22.9	32.2	13.0	5.5
China	463.8	81.8	2.4	54.7	507.2	78.4	0.4	66.9
India	226.1	31.3	0.1	58.2	221.7	44.4	0.1	60.7
Japan	150.7	43.7	†	18.0	146.9	39.7	†	19.3
Singapore	51.8	120.4	0.6	88.9	49.6	112.4	1.9	86.1
Other Asia Pacific	300.0	209.0	38.9	107.2	290.4	212.7	39.2	109.3
Total World	**2249.3**	**1242.9**	**2249.3**	**1242.9**	**2239.0**	**1241.9**	**2239.0**	**1241.9**
Thousand barrels daily								
Canada	534	747	3845	668	660	679	3956	726
Mexico	3	1287	1200	114	1	1273	1167	101
US	7768	2175	1851	5203	6796	2298	2766	5250
S. & Cent. America	490	2215	3150	590	427	2303	2936	486
Europe	10330	4566	516	2904	10494	4373	537	2622
Russia	10	196	5517	3563	‡	197	5746	3440
Other CIS	373	210	1743	458	372	117	1838	427
Iraq	‡	71	4039	181	‡	94	4032	230
Kuwait	‡	15	2156	524	‡	17	1992	531
Saudi Arabia	‡	228	7372	1266	1	238	7198	1199
United Arab Emirates	147	677	2540	1569	248	729	2800	1610
Other Middle East	501	348	3842	1246	558	372	2514	1299
North Africa	147	812	1853	557	129	785	1875	545
West Africa	19	873	4395	157	9	806	4399	161
East & S. Africa	432	719	127	62	393	815	110	62
Australasia	469	681	182	84	459	672	262	115
China	9314	1711	48	1144	10186	1639	9	1398
India	4541	655	1	1218	4451	928	1	1268
Japan	3027	913	‡	376	2950	830	‡	404
Singapore	1040	2516	12	1858	997	2350	38	1799
Other Asia Pacific	6025	4368	781	2241	5833	4446	788	2286
Total World	**45172**	**25982**	**45172**	**25982**	**44964**	**25961**	**44964**	**25961**

† Less than 0.05.

‡ Less than 0.5.

Notes: Does not include biofuels trade. Bunker fuel use is not included as exports. Intra-area movements (for example, between countries within Europe) are excluded.
Crude imports and exports include condensates.

Contents

Natural gas
Total proved reserves

	at end 1999 Trillion cubic metres	at end 2009 Trillion cubic metres	at end 2018 Trillion cubic metres	at end 2019 Trillion cubic metres	at end 2019 Trillion cubic feet	Share of total	R/P ratio
Canada	1.6	1.6	1.9	**2.0**	**70.1**	1.0%	11.5
Mexico	0.9	0.3	0.2	**0.2**	**6.3**	0.1%	5.3
US	4.5	7.4	12.9	**12.9**	**454.6**	6.5%	14.0
Total North America	**7.0**	**9.4**	**15.0**	**15.0**	**531.0**	**7.6%**	**13.3**
Argentina	0.7	0.4	0.4	**0.4**	**12.7**	0.2%	8.7
Bolivia	0.1	0.3	0.2	**0.2**	**7.5**	0.1%	14.2
Brazil	0.2	0.4	0.4	**0.4**	**13.3**	0.2%	14.5
Colombia	0.2	0.1	0.1	**0.1**	**3.6**	0.1%	7.8
Peru	0.2	0.3	0.3	**0.3**	**10.2**	0.1%	21.4
Trinidad & Tobago	0.6	0.4	0.3	**0.3**	**10.2**	0.1%	8.4
Venezuela	4.6	5.6	6.3	**6.3**	**222.4**	3.2%	238.0
Other S. & Cent. America	0.1	0.1	0.1	**0.1**	**2.2**	◆	17.5
Total S. & Cent. America	**6.8**	**7.6**	**8.0**	**8.0**	**282.1**	**4.0%**	**46.0**
Denmark	0.1	0.1	^	**^**	**^**	◆	0.0
Germany	0.2	0.1	^	**^**	**0.8**	◆	4.1
Italy	0.2	0.1	^	**^**	**1.5**	◆	9.4
Netherlands	1.6	1.2	0.2	**0.2**	**6.1**	0.1%	6.2
Norway	1.2	2.0	1.6	**1.5**	**54.1**	0.8%	13.4
Poland	0.1	0.1	0.1	**0.1**	**2.6**	◆	18.1
Romania	0.3	0.6	0.1	**0.1**	**3.6**	0.1%	10.6
Ukraine	0.8	0.7	1.1	**1.1**	**38.5**	0.5%	55.7
United Kingdom	0.8	0.3	0.2	**0.2**	**6.6**	0.1%	4.7
Other Europe	0.2	0.2	0.1	**0.1**	**4.8**	0.1%	18.4
Total Europe	5.6	5.3	3.4	**3.4**	**118.7**	**1.7%**	**14.2**
Azerbaijan	1.0	1.0	2.1	**2.8**	**100.5**	1.4%	117.0
Kazakhstan	2.0	2.0	2.7	**2.7**	**93.7**	1.3%	113.4
Russian Federation	32.9	34.0	38.0	**38.0**	**1340.5**	19.1%	55.9
Turkmenistan	2.6	8.2	19.5	**19.5**	**688.1**	9.8%	308.5
Uzbekistan	1.2	1.3	1.2	**1.2**	**42.7**	0.6%	21.5
Other CIS	^	^	^	**^**	**1.2**	◆	110.9
Total CIS	**39.8**	**46.6**	**63.6**	**64.2**	**2266.8**	**32.3%**	**75.8**
Bahrain	0.3	0.2	0.2	**0.1**	**2.7**	◆	4.6
Iran	23.6	28.0	32.0	**32.0**	**1130.7**	16.1%	131.1
Iraq	3.1	3.0	3.5	**3.5**	**125.1**	1.8%	328.7
Israel	^	0.1	0.4	**0.5**	**16.4**	0.2%	46.2
Kuwait	1.4	1.7	1.7	**1.7**	**59.9**	0.9%	92.1
Oman	0.8	0.5	0.7	**0.7**	**23.5**	0.3%	18.3
Qatar	11.5	26.2	24.7	**24.7**	**871.6**	12.4%	138.6
Saudi Arabia	5.8	7.4	5.9	**6.0**	**211.3**	3.0%	52.7
Syria	0.2	0.3	0.3	**0.3**	**9.5**	0.1%	72.1
United Arab Emirates	5.8	5.9	5.9	**5.9**	**209.7**	3.0%	95.0
Yemen	0.3	0.3	0.3	**0.3**	**9.4**	0.1%	458.2
Other Middle East	^	^	^	**^**	**0.2**	◆	47.1
Total Middle East	**53.0**	**73.6**	**75.6**	**75.6**	**2670.0**	**38.0%**	**108.7**
Algeria	4.4	4.3	4.3	**4.3**	**153.1**	2.2%	50.3
Egypt	1.2	2.1	2.1	**2.1**	**75.5**	1.1%	32.9
Libya	1.2	1.5	1.4	**1.4**	**50.5**	0.7%	151.5
Nigeria	3.3	5.0	5.4	**5.4**	**190.4**	2.7%	109.4
Other Africa	0.8	1.2	1.4	**1.6**	**57.5**	0.8%	58.1
Total Africa	**11.0**	**14.2**	**14.7**	**14.9**	**527.0**	**7.5%**	**62.7**
Australia	1.6	2.8	2.4	**2.4**	**84.4**	1.2%	15.6
Bangladesh	0.3	0.4	0.1	**0.1**	**4.3**	0.1%	4.2
Brunei	0.4	0.3	0.2	**0.2**	**8.3**	0.1%	18.0
China	1.4	2.9	6.4	**8.4**	**296.6**	4.2%	47.3
India	0.6	1.1	1.3	**1.3**	**46.9**	0.7%	49.4
Indonesia	2.7	3.1	2.8	**1.4**	**50.5**	0.7%	21.2
Malaysia	1.1	1.1	0.9	**0.9**	**33.4**	0.5%	12.0
Myanmar	0.3	0.3	1.2	**1.2**	**41.3**	0.6%	68.4
Pakistan	0.4	0.6	0.4	**0.4**	**14.2**	0.2%	11.9
Papua New Guinea	^	0.1	0.2	**0.2**	**6.2**	0.1%	14.2
Thailand	0.4	0.3	0.2	**0.2**	**6.3**	0.1%	5.0
Vietnam	0.2	0.7	0.6	**0.6**	**22.8**	0.3%	65.6
Other Asia Pacific	0.3	0.3	0.2	**0.2**	**8.4**	0.1%	13.9
Total Asia Pacific	**9.5**	**13.9**	**16.9**	**17.7**	**623.5**	**8.9%**	**26.3**
Total World	**132.8**	**170.5**	**197.1**	**198.8**	**7019.0**	**100.0%**	**49.8**
of which: OECD	13.2	16.2	20.1	**20.1**	**709.5**	10.1%	13.3
Non-OECD	119.6	154.3	177.0	**178.7**	**6309.5**	89.9%	72.0
European Union	3.5	2.5	0.7	**0.7**	**23.9**	0.3%	6.7

^ Less than 0.05.
◆ Less than 0.05%.

Notes: Total proved reserves of natural gas - Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for total proved natural gas does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent bp's view of proved reserves by country.

Reserves-to-production (R/P) ratio - If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

Source of data - The estimates in this table have been compiled using a combination of primary official sources and third-party data from Cedigaz and the OPEC Secretariat.

As far as possible, the data above represents standard cubic metres (measured at 15ºC and 1013 mbar) and has been standardized using a gross calorific value (GCV) of 40 MJ/m^3.

Natural Gas: Proved reserves

Contents

Trillion cubic metres	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Canada	2.4	2.4	2.5	2.5	2.7	2.7	2.6	2.6	2.5	2.6	2.6	2.6	2.5	2.1	1.8	1.8	1.8	1.7	1.7	1.6	1.6
Mexico	1.8	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8	1.8	0.8	0.9	0.8
US	5.4	5.5	5.5	5.4	5.4	5.2	5.2	5.1	4.6	4.5	4.6	4.5	4.5	4.4	4.4	4.5	4.5	4.5	4.4	4.5	4.8
Total North America	**9.6**	**10.0**	**10.0**	**10.1**	**10.2**	**10.0**	**9.9**	**9.7**	**9.2**	**9.2**	**9.2**	**9.1**	**9.0**	**8.5**	**8.2**	**8.2**	**8.2**	**8.0**	**7.0**	**7.0**	**7.2**
Argentina	0.6	0.6	0.7	0.7	0.6	0.7	0.7	0.7	0.8	0.7	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8
Bolivia	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Brazil	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Colombia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Peru	^	^	^	^	^	^	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
Trinidad & Tobago	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.5
Venezuela	1.4	1.5	1.6	1.7	1.8	1.9	2.9	3.2	3.2	3.3	3.8	4.0	4.1	4.1	4.4	4.5	4.5	4.6	4.6	4.6	4.6
Other S. & Cent. America	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Total S. & Cent. America	**2.8**	**3.0**	**3.1**	**3.2**	**3.3**	**3.4**	**4.4**	**4.9**	**5.0**	**5.1**	**5.5**	**5.7**	**5.7**	**5.7**	**6.1**	**6.3**	**6.4**	**6.6**	**6.8**	**6.8**	**6.8**
Denmark	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Germany	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Italy	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
Netherlands	2.0	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6
Norway	0.4	0.4	0.3	0.4	0.4	0.5	0.4	1.2	1.7	1.7	1.7	1.3	1.4	1.3	1.3	1.3	1.5	1.2	1.2	1.2	1.2
Poland	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Romania	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.7	0.8	0.8	0.8
United Kingdom	0.7	0.7	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
Other Europe	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
Total Europe	**4.2**	**4.1**	**4.0**	**4.2**	**4.1**	**4.2**	**4.2**	**4.9**	**5.3**	**5.2**	**5.2**	**5.2**	**5.3**	**5.2**	**5.1**	**5.1**	**5.2**	**5.6**	**5.6**	**5.6**	**5.5**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.7	0.7	1.0	1.0
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.0	2.0	2.0	2.0
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	33.9	34.7	34.7	34.5	33.7	33.4	33.6	33.4	32.9	33.2
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.6	2.5	2.6	2.6
USSR	20.5	21.7	22.4	23.0	24.0	25.6	26.2	26.7	27.2	33.3	34.9	2.4	2.4	3.4	3.9	4.1	3.9	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.2	1.2	1.2	1.3
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	^	^	^	^
Total CIS	**20.5**	**21.7**	**22.4**	**23.0**	**24.0**	**25.6**	**26.2**	**26.7**	**27.2**	**33.3**	**34.9**	**36.3**	**37.1**	**38.1**	**38.4**	**37.8**	**37.4**	**40.2**	**39.8**	**39.8**	**40.1**
Bahrain	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Iran	13.3	13.3	13.3	13.3	13.2	13.2	13.2	13.1	13.4	16.1	16.1	18.7	19.6	19.6	19.6	18.3	21.7	21.7	22.8	23.6	24.6
Iraq	0.7	0.7	0.8	0.8	0.8	0.8	0.8	1.0	2.6	3.0	3.0	2.9	2.9	2.9	3.0	3.2	3.2	3.0	3.0	3.1	3.0
Israel	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Kuwait	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5
Oman	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.4	0.6	0.5	0.5	0.8	0.8
Qatar	2.9	2.9	3.3	3.5	4.4	4.6	4.6	4.6	4.8	4.8	4.8	6.7	6.9	7.3	7.3	8.8	8.8	8.8	11.3	11.5	14.9
Saudi Arabia	3.0	3.2	3.3	3.4	3.4	3.5	3.8	4.0	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.3	5.4	5.6	5.8	5.8	6.0
Syria	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
United Arab Emirates	2.3	2.5	2.9	3.0	3.0	3.1	5.3	5.5	5.5	5.5	5.5	5.6	5.7	5.7	6.6	5.7	5.6	5.9	5.8	5.8	5.8
Yemen	-	-	-	-	-	-	^	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Other Middle East	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total Middle East	**24.0**	**24.3**	**25.2**	**25.7**	**26.7**	**27.0**	**29.6**	**30.4**	**33.4**	**36.7**	**36.8**	**41.4**	**42.6**	**43.0**	**44.1**	**44.0**	**47.7**	**47.9**	**51.5**	**53.0**	**57.4**
Algeria	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	3.1	3.1	3.2	3.5	3.5	3.6	2.9	3.6	3.6	3.9	3.9	4.4	4.4
Egypt	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.6	0.6	0.6	0.8	0.9	1.0	1.2	1.4
Libya	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Nigeria	1.1	1.1	1.3	1.3	1.3	1.3	2.3	2.3	2.4	2.7	2.7	3.2	3.5	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.9
Other Africa	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	1.1
Total Africa	**5.7**	**5.7**	**6.0**	**6.0**	**6.0**	**5.9**	**7.1**	**7.1**	**7.4**	**8.1**	**8.2**	**9.1**	**9.5**	**9.6**	**8.7**	**9.5**	**9.7**	**10.2**	**10.3**	**11.0**	**11.9**
Australia	0.1	0.4	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.7	0.7	0.7	0.8	0.8	1.0	1.0	1.1	1.2	1.6	1.6	1.7
Bangladesh	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Brunei	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
China	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.4	1.7	1.7	1.7	1.2	1.2	1.4	1.4	1.4
India	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.7
Indonesia	0.8	0.9	1.0	1.2	1.7	2.0	2.3	2.4	2.6	2.6	2.9	1.9	1.8	1.8	1.8	2.0	2.1	2.2	2.2	2.7	2.7
Malaysia	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.9	1.0	1.0	1.1	1.0	1.0	1.1	1.1	1.1	1.1
Myanmar	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Pakistan	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.5
Papua New Guinea	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Thailand	0.3	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
Vietnam	-	-	-	-	-	-	-	-	-	-	^	^	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Other Asia Pacific	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3
Total Asia Pacific	**4.0**	**4.6**	**5.0**	**5.1**	**5.9**	**6.2**	**6.8**	**7.1**	**7.3**	**7.9**	**8.3**	**7.6**	**7.8**	**8.0**	**8.3**	**8.4**	**8.1**	**8.4**	**9.2**	**9.5**	**9.9**
Total World	**70.8**	**73.4**	**75.8**	**77.3**	**80.1**	**82.3**	**88.2**	**90.8**	**94.7**	**105.4**	**108.0**	**114.3**	**117.0**	**118.1**	**119.0**	**119.3**	**122.6**	**126.9**	**130.2**	**132.8**	**138.9**
of which: OECD	13.9	14.4	14.4	14.7	14.8	14.7	14.7	15.4	15.3	15.2	15.2	14.7	14.7	14.1	14.0	14.0	14.2	13.8	13.0	13.2	13.5
Non-OECD	56.9	59.0	61.3	62.6	65.3	67.6	73.5	75.3	79.4	90.2	92.9	99.6	102.3	104.0	105.0	105.3	108.4	113.0	117.1	119.6	125.5
European Union	3.8	3.6	3.5	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.5	3.5	3.4

Trillion cubic metres	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.7	1.6	1.9	1.8	1.9	1.9	1.9	2.1	2.0	2.0	1.9	**2.0**	3.8%	1.4%	1.0%
Mexico	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	**0.2**	-	-6.7%	0.1%
US	5.0	5.1	5.1	5.2	5.5	5.7	6.4	6.6	7.4	8.3	9.1	8.4	9.2	10.0	8.3	8.7	11.9	12.9	**12.9**	-	6.9%	6.5%
Total North America	**7.4**	**7.1**	**7.1**	**7.2**	**7.5**	**7.7**	**8.4**	**8.7**	**9.4**	**10.5**	**11.2**	**10.6**	**11.4**	**12.2**	**10.7**	**10.9**	**14.1**	**15.0**	**15.0**	**0.5%**	**5.6%**	**7.6%**
Argentina	0.7	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	**0.4**	-	-0.7%	0.2%
Bolivia	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	**0.2**	-7.4%	-1.7%	0.1%
Brazil	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	**0.4**	-1.3%	0.1%	0.2%
Colombia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	**0.1**	-	-1.5%	0.1%
Peru	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	**0.3**	-	-1.2%	0.1%
Trinidad & Tobago	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	**0.3**	6.0%	-4.3%	0.1%
Venezuela	4.6	4.6	4.7	4.8	4.8	5.2	5.4	5.5	5.6	6.1	6.1	6.2	6.2	6.2	6.3	6.4	6.3	6.3	**6.3**	-	1.3%	3.2%
Other S. & Cent. America	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	-	-0.6%	♦
Total S. & Cent. America	**6.9**	**6.8**	**6.7**	**6.8**	**6.7**	**7.2**	**7.4**	**7.5**	**7.6**	**8.1**	**8.1**	**8.3**	**8.2**	**8.2**	**8.3**	**8.3**	**8.1**	**8.0**	**8.0**	**-0.1%**	**0.6%**	**4.0%**
Denmark	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	^	^	^	^	^	**^**	-2.0%	-53.1%	♦
Germany	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	^	^	**^**	-17.6%	-13.3%	♦
Italy	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	^	**^**	-5.6%	-3.6%	♦
Netherlands	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.1	0.8	0.8	0.7	0.7	0.7	0.6	0.2	**0.2**	-	-17.5%	0.1%
Norway	2.2	2.1	2.4	2.4	2.3	2.3	2.3	2.2	2.0	2.0	2.1	2.1	2.0	1.9	1.8	1.8	1.7	1.6	**1.5**	-4.8%	-3.1%	0.8%
Poland	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	-	-0.7%	♦
Romania	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	-	-15.8%	0.1%
Ukraine	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	1.2	1.1	1.1	1.1	1.1	1.0	1.1	**1.1**	-	3.7%	0.5%
United Kingdom	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	**0.2**	-	-4.3%	0.1%
Other Europe	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	**0.1**	-2.7%	-2.1%	0.1%
Total Europe	**6.3**	**6.1**	**6.2**	**6.0**	**6.2**	**5.9**	**5.8**	**5.5**	**5.3**	**5.1**	**4.6**	**4.8**	**4.7**	**4.4**	**4.3**	**4.0**	**4.0**	**3.4**	**3.4**	**-2.5%**	**-4.6%**	**1.7%**
Azerbaijan	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	2.1	**2.8**	33.6%	7.3%	1.4%
Kazakhstan	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	**2.7**	-	2.8%	1.3%
Russian Federation	33.4	33.9	33.8	33.6	33.8	33.8	33.9	34.0	34.0	34.1	34.5	34.6	34.9	35.0	35.0	34.8	38.3	38.0	**38.0**	-0.2%	1.1%	19.1%
Turkmenistan	2.6	2.6	2.6	2.6	2.6	2.6	2.6	8.2	8.2	11.3	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	**19.5**	-	9.1%	9.8%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	**1.2**	-	-0.8%	0.6%
Other CIS	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	-1.6%	♦
Total CIS	**40.3**	**40.9**	**40.7**	**40.6**	**40.7**	**40.7**	**40.9**	**46.6**	**46.6**	**49.8**	**58.3**	**58.4**	**58.7**	**59.1**	**59.0**	**59.5**	**63.0**	**63.6**	**64.2**	**1.0%**	**3.2%**	**32.3%**
Bahrain	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	**0.1**	-57.8%	-1.8%	♦
Iran	24.7	25.2	26.0	26.0	26.0	25.4	26.6	28.0	28.0	31.3	31.8	31.9	32.1	32.1	31.6	31.8	31.9	32.0	**32.0**	-	1.4%	16.1%
Iraq	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4	3.0	3.0	3.0	3.0	3.6	3.6	3.5	**3.5**	-	1.6%	1.8%
Israel	^	^	^	^	^	^	^	^	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	**0.5**	12.4%	25.6%	0.2%
Kuwait	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	**1.7**	-	-	0.9%
Oman	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.7	0.6	0.7	0.7	0.7	0.7	**0.7**	-	-2.9%	0.3%
Qatar	26.7	26.7	26.2	26.2	26.5	26.4	26.4	26.3	26.2	25.9	25.9	25.8	25.5	25.4	25.1	24.9	24.7	24.7	**24.7**	-	-0.6%	12.4%
Saudi Arabia	6.1	6.3	6.4	6.4	6.5	6.7	6.9	7.1	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.0	5.7	5.9	**6.0**	1.6%	-1.8%	3.0%
Syria	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	**0.3**	-	0.5%	0.1%
United Arab Emirates	5.9	5.9	5.9	5.9	6.0	6.3	6.3	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	**5.9**	-	♦	3.0%
Yemen	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	**0.3**	-0.2%	-2.0%	0.1%
Other Middle East	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	1.9%	♦
Total Middle East	**69.6**	**70.4**	**70.9**	**70.9**	**71.3**	**71.3**	**72.6**	**73.7**	**73.6**	**76.8**	**77.8**	**77.4**	**77.7**	**77.6**	**77.0**	**77.6**	**75.3**	**75.6**	**75.6**	**♦**	**0.3%**	**38.0%**
Algeria	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	**4.3**	-	-	2.2%
Egypt	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.1	2.1	2.1	2.1	2.0	1.8	2.1	2.0	2.1	2.1	2.1	**2.1**	-	0.3%	1.1%
Libya	1.2	1.4	1.4	1.4	1.3	1.3	1.5	1.5	1.5	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	**1.4**	-	-0.2%	0.7%
Nigeria	4.4	4.7	4.8	5.0	4.9	4.9	5.0	5.0	5.0	4.9	4.9	4.9	4.9	5.1	5.0	5.2	5.3	5.4	**5.4**	-	0.7%	2.7%
Other Africa	1.1	1.0	1.0	1.0	1.1	1.1	1.2	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.2	1.4	1.3	1.4	**1.6**	18.8%	1.8%	0.8%
Total Africa	**12.6**	**13.2**	**13.3**	**13.6**	**13.5**	**13.7**	**14.0**	**14.0**	**14.2**	**14.0**	**14.1**	**13.9**	**13.7**	**14.2**	**14.0**	**14.5**	**14.6**	**14.7**	**14.9**	**1.8%**	**0.4%**	**7.5%**
Australia	2.1	2.0	1.9	1.8	1.8	1.9	1.8	2.7	2.8	2.9	2.8	2.8	2.8	2.4	2.4	2.4	2.4	2.4	**2.4**	-	-1.4%	1.2%
Bangladesh	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	**0.1**	-	-9.6%	0.1%
Brunei	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	**0.2**	-	-2.9%	0.1%
China	1.4	1.3	1.3	1.5	1.5	1.7	2.3	2.7	2.9	2.7	2.9	3.1	3.4	3.6	4.7	5.5	6.1	6.4	**8.4**	32.0%	8.9%	4.2%
India	0.7	0.7	0.8	0.9	1.1	1.0	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.2	1.2	1.2	1.3	**1.3**	3.1%	2.1%	0.7%
Indonesia	2.6	2.6	2.6	2.8	2.5	2.7	3.0	3.2	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.9	2.9	2.8	**1.4**	-48.2%	-1.6%	0.7%
Malaysia	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.0	1.0	1.1	1.0	0.9	0.9	0.9	**0.9**	-	-1.8%	0.5%
Myanmar	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.3	0.5	0.5	0.5	1.2	1.2	1.2	**1.2**	-	13.2%	0.6%
Pakistan	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	**0.4**	9.8%	-5.0%	0.2%
Papua New Guinea	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	**0.2**	-3.4%	57.7%	0.1%
Thailand	0.4	0.5	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	**0.2**	-	-6.6%	0.1%
Vietnam	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	**0.6**	-	1.0%	0.3%
Other Asia Pacific	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	**0.2**	-0.7%	-2.9%	0.1%
Total Asia Pacific	**10.4**	**10.4**	**10.5**	**10.9**	**10.9**	**11.3**	**12.3**	**13.7**	**13.9**	**13.5**	**13.8**	**13.9**	**14.3**	**14.1**	**14.7**	**16.2**	**16.7**	**16.9**	**17.7**	**4.6%**	**2.1%**	**8.9%**
Total World	**153.4**	**154.8**	**155.4**	**155.9**	**156.9**	**157.8**	**161.2**	**169.7**	**170.5**	**177.9**	**188.0**	**187.4**	**188.6**	**189.9**	**187.9**	**191.0**	**195.8**	**197.1**	**198.8**	**0.9%**	**1.5%**	**100.0%**
of which: OECD	14.8	14.2	14.2	14.0	14.3	14.2	14.7	15.7	16.2	17.4	18.1	17.2	18.0	18.0	16.4	16.4	19.8	20.1	**20.1**	0.2%	2.5%	10.1%
Non-OECD	138.6	140.6	141.2	141.9	142.6	143.6	146.6	154.0	154.3	160.5	169.9	170.1	170.7	171.9	171.6	174.6	176.0	177.0	**178.7**	0.9%	1.4%	89.9%
European Union	3.2	3.1	3.0	2.8	3.0	2.8	2.6	2.5	2.5	2.3	1.8	1.5	1.4	1.3	1.3	1.2	1.2	0.7	**0.7**	-1.5%	-12.1%	0.3%

^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
Notes: Total proved reserves of natural gas - Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for natural gas does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent bp's view of proved reserves by country.
Reserves-to-production (R/P) ratio - If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.
As far as possible, the data above represents standard cubic metres (measured at 15ºC and 1013 mbar) and has been standardized using a Gross Calorific Value (GCV) of 40 MJ/m^3.
Source of data - The estimates in this table have been compiled using a combination of primary official sources and third-party data from Cedigaz and the OPEC Secretariat.
Annual changes and share of total are calculated using trillion cubic metres.

Contents

Natural Gas: Production*

Contents

Billion cubic metres

Billion cubic metres	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Canada	54.0	59.1	66.7	71.4	70.0	71.5	72.1	75.7	73.1	77.1	71.2	68.8	72.2	68.0	74.5	80.5	75.5
Mexico	11.0	10.9	11.3	12.3	12.9	13.1	12.9	13.7	17.1	20.8	25.1	27.1	28.9	29.1	28.6	27.8	24.7
US	571.5	587.7	585.8	585.2	559.4	518.0	513.8	516.1	513.9	529.5	525.1	519.6	483.2	437.7	475.0	447.9	436.3
Total North America	636.5	657.6	663.8	669.0	642.3	602.6	598.8	605.5	604.1	627.4	621.4	615.5	584.3	534.7	578.1	556.2	536.5
Argentina	5.9	6.3	6.0	6.5	7.0	7.5	7.1	7.4	7.6	7.0	8.2	8.5	9.5	12.8	13.1	13.5	15.1
Bolivia	^	^	1.1	1.7	1.8	1.8	1.8	1.9	1.9	2.1	2.6	2.7	2.8	2.7	2.6	2.6	2.6
Brazil	0.1	0.1	0.2	0.2	0.4	0.4	0.5	0.6	0.8	0.9	1.0	0.9	1.3	1.8	2.1	2.6	3.0
Colombia	1.2	1.3	1.6	1.6	1.7	1.5	1.5	1.7	2.3	2.6	2.8	3.1	3.3	3.6	3.6	3.7	3.6
Peru	0.4	0.5	0.5	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.5	0.7	0.5	0.6
Trinidad & Tobago	1.8	1.9	1.9	1.8	1.7	1.5	1.7	2.0	2.4	2.5	2.8	3.1	3.8	3.9	4.1	4.2	4.3
Venezuela	8.6	8.3	8.2	10.2	10.7	10.4	12.9	14.1	14.3	16.0	16.4	16.5	17.6	17.4	19.2	19.2	21.2
Other S. & Cent. America	0.7	0.8	0.7	0.6	0.7	0.8	1.2	1.3	1.5	0.9	0.8	0.8	0.9	1.0	1.0	1.1	1.0
Total S. & Cent. America	18.7	19.2	20.3	23.1	24.5	24.5	27.4	29.7	31.3	32.6	35.3	36.4	40.0	43.6	46.4	47.4	51.4
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	1.2	2.0
Germany	12.0	14.8	17.7	19.8	20.6	19.1	19.7	19.6	20.3	20.3	18.5	18.9	16.6	18.4	18.1	17.1	14.0
Italy	12.6	12.8	13.6	14.7	14.6	14.0	15.0	13.2	13.1	12.8	11.9	13.4	13.7	12.3	13.0	13.4	15.0
Netherlands	27.9	38.6	51.4	62.6	74.2	80.3	85.8	86.1	78.8	82.7	79.9	74.2	63.5	67.6	68.4	71.6	65.5
Norway	-	-	-	-	-	-	-	2.6	14.1	20.5	24.9	24.8	23.8	23.4	25.8	26.0	25.9
Poland	5.1	5.3	5.6	5.7	5.5	5.6	6.1	6.5	6.9	6.2	5.3	4.7	4.3	4.2	4.6	4.8	4.4
Romania	21.7	23.2	23.8	25.2	26.0	28.2	30.8	32.6	32.8	31.4	32.4	34.1	34.5	34.2	33.9	32.4	32.8
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	40.6	37.6
United Kingdom	10.9	18.2	26.3	28.5	34.4	35.8	37.9	39.6	37.9	38.3	36.4	36.3	36.9	38.1	37.2	41.5	43.7
Other Europe	14.6	15.3	16.0	17.3	17.7	17.6	18.1	19.5	20.7	20.0	19.2	18.4	18.9	18.7	18.8	19.0	17.5
Total Europe	104.9	128.2	154.4	173.7	192.9	200.6	213.5	219.7	224.7	232.2	228.6	224.8	212.2	216.9	220.2	267.7	258.4
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	13.7	13.3
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.7	5.0
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	424.9	462.6
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	78.7	80.2
USSR	187.5	201.2	209.7	223.8	246.9	274.0	304.0	327.7	352.6	385.1	412.2	440.8	474.3	507.4	556.4	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	32.7	36.5
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.7	0.8
Total CIS	187.5	201.2	209.7	223.8	246.9	274.0	304.0	327.7	352.6	385.1	412.2	440.8	474.3	507.4	556.4	555.5	598.3
Bahrain	0.7	0.9	1.2	1.7	2.1	2.2	2.3	2.5	2.7	3.0	2.4	2.3	3.6	3.8	3.9	4.7	5.4
Iran	3.5	8.5	11.4	12.6	13.1	13.6	13.9	14.1	8.8	8.5	4.5	4.9	6.7	7.7	9.0	9.7	9.3
Iraq	0.7	0.9	0.9	0.9	0.8	1.2	1.7	1.1	1.2	1.7	1.2	0.6	0.6	0.4	0.6	0.8	1.5
Kuwait	1.9	2.0	2.4	2.6	2.8	3.1	3.7	4.0	4.5	5.9	3.9	4.4	3.5	3.8	4.2	4.0	5.4
Oman	-	-	-	-	-	-	-	-	0.3	0.5	0.6	0.8	0.8	1.0	1.3	1.7	1.9
Qatar	1.0	1.0	1.1	1.6	1.3	2.1	1.1	1.6	1.5	4.5	4.9	4.5	5.2	5.4	6.1	5.7	6.0
Saudi Arabia	1.5	1.3	1.5	1.7	2.2	2.6	2.8	3.9	5.4	6.6	9.2	10.8	11.4	11.1	17.3	17.9	23.9
Syria	-	-	-	-	-	-	^	^	^	^	^	^	^	0.1	0.1	0.2	0.4
United Arab Emirates	0.8	1.4	1.5	1.7	1.7	1.6	1.9	3.8	5.6	6.0	7.3	8.6	9.3	8.2	10.7	12.9	14.8
Yemen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	^	0.1	0.1	0.1	^
Total Middle East	10.3	16.2	20.0	22.9	24.0	26.4	27.4	31.1	30.1	36.8	34.2	36.9	41.3	41.6	53.2	57.5	68.8
Algeria	2.4	2.6	3.3	4.3	5.0	6.2	7.7	7.4	11.5	18.9	15.4	17.9	23.3	33.4	34.0	37.3	38.2
Egypt	0.1	0.1	0.1	0.1	0.1	^	0.4	0.4	0.7	1.1	2.1	2.3	2.6	3.0	3.9	4.7	5.5
Libya	0.3	0.7	2.7	4.3	3.9	4.4	4.5	4.8	4.9	6.4	4.9	3.0	3.2	3.5	4.4	4.9	5.3
Nigeria	0.1	0.2	0.3	0.4	0.4	0.3	0.6	0.8	1.0	1.3	1.6	2.3	2.4	2.8	2.6	2.5	2.9
Other Africa	0.1	0.2	0.2	0.8	1.0	0.6	0.5	0.5	0.6	0.6	0.8	0.9	1.0	1.0	1.0	1.0	1.1
Total Africa	3.0	3.7	6.5	9.8	10.3	11.5	13.7	14.0	18.7	28.3	24.8	26.5	32.5	43.7	45.9	50.6	53.0
Australia	1.7	2.6	3.7	4.7	5.4	5.8	6.8	7.8	8.4	9.6	11.1	12.0	11.7	12.7	12.5	13.4	14.6
Bangladesh	-	-	0.4	0.6	0.7	0.7	0.9	1.0	1.1	1.3	1.4	1.4	1.8	2.0	2.3	2.6	2.9
Brunei	0.2	0.2	0.4	1.9	4.1	5.4	7.1	8.2	8.0	8.4	8.4	8.2	8.1	8.5	8.6	8.4	8.4
China	2.9	3.8	4.9	6.0	7.6	8.9	10.2	12.2	13.8	14.6	14.4	12.8	12.0	12.3	12.5	13.0	13.9
India	0.6	0.7	0.7	0.7	0.8	1.1	1.3	1.4	1.5	1.9	1.1	2.0	2.6	3.1	3.5	4.3	6.0
Indonesia	1.3	1.5	1.1	1.7	1.8	2.4	2.4	5.7	11.0	16.0	18.8	19.1	19.4	22.1	29.8	32.8	34.1
Malaysia	-	0.1	0.1	0.1	0.2	0.3	0.3	0.3	2.4	2.9	2.6	2.2	2.8	6.7	10.1	11.2	15.1
Myanmar	^	^	^	^	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.6	0.6	0.9	1.1
Pakistan	2.9	2.9	2.7	3.1	3.4	3.8	3.9	4.2	4.4	4.9	6.0	6.5	7.1	7.0	7.2	7.4	7.9
Thailand	-	-	-	-	-	-	-	-	-	-	-	0.3	1.4	1.6	2.4	3.2	3.7
Vietnam	-	-	-	-	-	-	-	-	-	-	-	^	^	0.1	0.1	^	^
Other Asia Pacific	5.4	6.1	6.6	6.9	7.2	7.0	7.8	8.8	8.5	7.5	7.7	7.4	7.7	8.1	8.9	9.7	10.2
Total Asia Pacific	15.1	17.9	20.8	25.8	31.3	35.5	41.0	49.9	59.3	67.5	71.9	72.2	75.0	84.7	98.6	106.9	118.0
Total World	976.1	1043.9	1095.4	1148.1	1172.2	1175.2	1225.8	1277.5	1320.8	1409.9	1428.4	1453.0	1459.7	1472.7	1598.7	1641.7	1684.2
of which: OECD	723.4	767.1	799.9	823.9	816.3	782.5	790.8	803.7	807.7	839.8	830.1	819.8	776.3	733.0	780.4	768.0	743.3
Non-OECD	252.7	276.8	295.5	324.3	355.9	392.7	435.0	473.8	513.2	570.1	598.3	633.2	683.4	739.7	818.3	873.7	940.9
European Union #	103.9	127.0	152.9	172.0	191.1	198.9	211.4	214.8	208.3	209.5	201.4	197.8	186.2	191.2	192.3	198.4	191.7

Billion cubic metres	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Canada	81.9	94.5	100.4	103.4	108.9	120.0	132.1	142.9	152.7	153.9	159.7	165.6	170.5	176.3	179.4	180.7	176.0	176.7
Mexico	25.1	25.4	24.4	26.4	26.8	25.9	27.8	29.2	29.2	30.8	31.1	32.9	34.2	33.4	33.1	33.7	34.8	37.0
US	452.0	464.2	470.7	483.4	480.8	484.7	490.2	510.3	503.3	510.2	511.5	517.3	510.1	518.6	531.9	511.2	517.9	503.1
Total North America	558.9	584.1	595.6	613.2	616.4	630.6	650.0	682.5	685.2	695.0	702.4	715.9	714.9	728.3	744.5	725.7	728.7	716.9
Argentina	14.7	17.5	18.5	17.3	19.4	19.5	20.9	21.7	24.3	28.1	26.6	28.8	33.6	36.4	36.1	35.1	39.9	43.6
Bolivia	2.8	2.9	3.1	3.1	3.1	2.8	2.8	3.0	3.0	3.1	2.6	2.7	2.2	3.1	4.5	5.8	6.7	9.4
Brazil	3.3	3.4	3.5	3.1	3.3	3.7	4.3	4.7	5.2	5.7	6.2	6.5	7.7	7.7	7.9	9.5	10.3	11.4
Colombia	3.8	3.7	3.7	3.9	3.9	4.0	3.9	4.0	4.2	4.5	5.7	6.5	5.7	5.7	5.9	6.0	5.7	6.1
Peru	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4	0.3	0.4	0.4	0.5	0.8
Trinidad & Tobago	4.6	5.3	5.3	5.5	5.5	5.3	6.0	6.9	7.4	8.3	9.0	9.0	11.4	13.8	14.7	17.3	25.2	28.6
Venezuela	20.6	21.1	21.7	24.4	24.3	24.0	25.9	27.4	30.5	33.0	34.2	35.9	30.4	31.0	32.8	31.5	28.0	31.5
Other S. & Cent. America	1.0	1.3	1.9	2.4	2.5	2.8	2.3	3.0	2.9	2.9	2.8	2.6	3.3	3.6	3.8	3.5	3.3	3.5
Total S. & Cent. America	51.4	55.6	58.0	60.2	62.4	62.5	66.6	71.1	78.0	86.1	87.4	92.5	94.6	101.7	106.2	109.2	119.6	135.0
Denmark	2.5	2.5	3.2	3.3	4.1	4.3	4.7	5.1	5.5	6.7	8.2	7.9	8.1	8.5	8.7	8.8	8.4	9.9
Germany	15.7	14.6	15.3	15.0	15.4	15.6	15.5	16.3	16.8	18.2	17.9	17.5	18.7	17.7	17.8	17.8	18.5	17.1
Italy	15.4	15.7	16.0	16.3	16.4	17.1	18.2	19.2	19.0	19.0	18.5	18.2	16.8	16.0	14.6	14.0	13.3	12.4
Netherlands	65.6	57.9	63.3	63.4	71.7	72.0	73.4	69.6	70.8	80.1	71.0	67.7	62.9	61.4	64.6	63.5	60.7	71.6
Norway	27.9	28.1	28.5	25.3	24.8	25.6	24.6	26.6	27.6	37.1	42.6	43.9	48.1	49.4	53.6	65.1	72.4	78.6
Poland	4.4	4.4	4.0	2.8	3.1	3.0	3.8	3.6	3.7	3.7	3.7	3.8	3.6	3.9	4.1	4.2	4.2	4.6
Romania	31.2	30.6	27.4	26.6	23.3	20.5	19.5	17.2	16.8	16.0	13.8	13.0	13.0	12.8	12.5	12.3	12.1	12.1
Ukraine	33.7	30.7	29.1	26.6	23.1	19.9	18.2	17.2	16.1	16.2	16.5	15.9	16.0	15.8	16.2	17.7	18.3	19.4
United Kingdom	45.7	44.0	43.1	47.6	53.0	53.9	63.4	67.7	74.0	88.1	89.9	94.4	103.7	113.5	110.8	108.5	107.8	100.9
Other Europe	17.7	17.1	17.6	16.3	16.4	16.0	16.5	15.4	15.9	14.8	13.5	12.3	11.6	11.2	10.9	10.8	10.4	10.8
Total Europe	259.9	245.5	247.6	243.2	251.4	247.9	257.9	258.0	266.3	299.9	295.5	294.5	302.5	309.9	313.9	322.7	326.2	337.4
Azerbaijan	12.2	11.6	10.8	9.7	8.4	7.7	6.6	6.2	6.4	5.7	5.5	5.1	5.5	5.1	5.0	4.7	4.7	4.5
Kazakhstan	5.4	6.1	5.7	6.1	6.2	5.9	5.3	3.3	4.1	3.6	5.8	5.1	6.8	8.5	8.6	9.2	11.1	13.1
Russian Federation	500.5	542.4	566.3	599.6	591.3	592.2	568.6	558.5	541.2	552.3	523.5	541.3	544.4	537.1	534.8	547.5	570.6	582.6
Turkmenistan	83.4	83.6	85.1	79.2	76.1	50.3	58.9	32.3	29.2	31.8	15.6	12.0	20.6	42.4	46.3	48.3	53.4	52.6
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	37.7	37.8	38.9	36.8	37.8	38.5	40.6	42.6	43.3	44.2	45.4	49.5	50.2	50.9	51.5	52.7	53.1	53.8
Other CIS	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Total CIS	640.0	682.1	707.6	732.0	720.5	695.1	680.5	643.4	624.7	638.0	596.2	613.3	627.8	644.5	646.7	662.9	693.3	707.1
Bahrain	5.3	5.6	5.8	6.1	5.8	6.8	7.3	7.4	7.5	7.8	8.3	8.8	9.1	9.2	9.6	9.9	10.1	9.3
Iran	11.4	12.4	15.6	24.7	29.2	30.9	16.5	26.2	31.9	37.5	39.4	44.5	53.0	56.3	62.6	74.4	78.1	91.0
Iraq	3.6	5.3	6.1	3.8	1.7	2.2	2.4	3.0	3.0	3.1	2.9	2.8	3.0	3.0	2.6	2.2	1.5	1.0
Kuwait	4.5	6.5	7.8	4.0	0.5	2.5	5.1	5.7	8.8	8.8	8.8	9.0	8.3	9.1	9.0	8.3	9.5	10.4
Oman	2.2	2.2	2.3	2.4	2.5	2.7	2.6	2.7	3.8	4.1	4.7	4.9	5.1	10.3	15.4	16.6	18.3	18.7
Qatar	5.8	6.1	6.4	6.5	7.9	8.2	8.6	8.9	9.3	9.7	13.4	16.2	21.4	25.8	27.9	30.5	32.5	40.5
Saudi Arabia	25.5	27.6	28.3	31.8	33.4	36.3	38.0	40.6	40.8	42.2	43.1	44.5	43.9	47.3	51.0	53.9	57.1	62.4
Syria	0.4	0.9	1.4	1.6	1.9	1.9	1.9	2.1	2.6	2.8	4.3	5.4	5.4	5.4	5.5	6.1	6.5	5.9
United Arab Emirates	16.5	16.9	19.9	19.6	23.2	21.6	22.4	25.2	30.5	33.0	35.4	36.1	37.5	37.4	38.4	42.3	43.7	45.1
Yemen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	^	^	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	1.4
Total Middle East	75.1	83.5	93.7	100.7	106.1	113.3	105.0	122.1	138.5	149.1	160.6	172.5	186.9	204.1	222.3	244.5	257.4	285.7
Algeria	43.1	45.1	48.6	51.7	55.7	58.0	58.7	54.0	61.5	65.3	74.9	80.2	90.1	91.9	86.5	88.9	93.9	92.1
Egypt	6.0	6.7	7.4	7.8	8.7	9.5	10.9	11.6	12.0	12.8	13.1	13.5	16.2	20.2	24.3	26.3	29.0	31.8
Libya	4.8	5.2	6.5	5.9	6.2	6.4	6.0	6.1	6.0	6.1	6.2	6.0	4.9	5.6	5.9	5.6	5.2	7.7
Nigeria	2.9	3.5	4.0	3.8	3.7	4.1	4.6	4.2	4.6	5.2	5.0	6.0	4.3	11.2	15.3	17.1	21.4	22.9
Other Africa	1.1	1.3	1.2	3.0	2.9	2.9	3.1	3.0	3.1	4.0	5.0	5.2	6.1	6.2	7.8	8.0	7.4	9.7
Total Africa	57.9	61.8	67.7	72.2	77.3	80.8	83.3	79.0	87.3	93.3	104.2	110.9	121.7	135.1	139.6	146.0	156.8	164.1
Australia	14.9	15.3	17.7	20.6	21.6	23.3	24.4	28.0	29.6	29.6	29.6	30.3	30.7	31.2	32.6	33.0	33.7	35.9
Bangladesh	3.4	4.0	4.2	4.6	4.7	5.1	5.8	6.1	6.7	7.2	7.1	7.7	8.4	9.1	10.1	10.7	11.5	12.3
Brunei	8.4	8.7	8.5	8.7	8.8	9.5	10.1	10.1	11.5	11.4	11.4	10.5	10.9	11.0	11.1	11.2	12.0	11.9
China	14.0	14.4	15.2	15.4	15.6	15.9	16.9	17.7	18.1	20.3	22.9	23.5	25.4	27.4	30.6	32.9	35.3	41.8
India	7.0	8.2	9.7	11.6	12.9	14.4	14.7	15.9	18.1	19.7	21.5	23.5	24.1	25.4	25.4	26.6	28.4	28.1
Indonesia	36.4	39.8	41.9	44.5	48.9	51.8	53.8	61.4	61.6	64.9	66.7	65.6	71.1	70.7	68.6	75.6	79.2	75.7
Malaysia	16.3	16.8	18.2	18.0	21.4	22.4	24.1	25.6	28.3	36.1	41.3	41.2	42.2	49.7	49.0	50.6	52.7	60.1
Myanmar	1.2	1.0	1.1	0.8	0.8	0.9	1.1	1.4	1.6	1.6	1.5	1.7	1.7	3.3	6.9	8.3	9.4	10.0
Pakistan	8.5	9.0	9.6	10.2	11.0	10.8	12.5	12.7	13.0	14.2	14.1	14.9	17.0	18.0	19.0	20.5	25.6	30.7
Thailand	5.2	6.2	6.2	6.7	8.4	8.9	10.0	11.1	11.8	13.6	16.7	18.2	19.9	20.9	20.3	21.2	22.2	23.1
Vietnam	^	^	^	^	0.1	0.2	0.2	0.2	0.1	0.3	0.5	0.9	1.3	1.5	1.9	2.3	2.3	4.0
Other Asia Pacific	10.2	10.7	6.1	8.0	8.1	8.4	8.3	8.1	7.9	8.5	8.9	8.2	8.9	9.3	9.9	11.2	10.9	10.6
Total Asia Pacific	125.5	134.1	138.4	149.3	162.4	171.7	181.8	198.2	208.3	227.4	242.1	246.1	261.5	277.5	285.5	304.1	323.3	344.4
Total World	1768.7	1846.7	1908.5	1970.8	1996.6	2001.9	2025.2	2054.3	2088.3	2188.9	2188.3	2245.7	2310.0	2401.0	2458.6	2515.1	2605.4	2690.5
of which: OECD	772.6	787.9	807.3	829.6	849.6	868.5	900.7	941.1	954.7	999.8	1005.1	1018.9	1027.3	1049.5	1071.4	1060.3	1065.5	1066.8
Non-OECD	996.0	1058.8	1101.2	1141.1	1147.0	1133.4	1124.5	1113.2	1133.6	1189.1	1183.2	1226.8	1282.7	1351.5	1387.2	1454.8	1539.8	1623.8
European Union #	194.9	183.3	186.7	190.2	202.4	201.2	213.8	213.1	221.5	245.7	235.5	233.5	237.1	243.3	243.3	239.2	234.5	238.5

Billion cubic metres	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	179.2	179.4	174.7	166.5	155.1	149.6	151.1	150.3	151.9	159.0	160.8	171.8	175.6	179.0	173.1	-3.3%	0.7%	4.3%
Mexico	44.3	48.5	46.9	47.2	52.6	51.2	52.1	50.9	52.5	51.3	47.9	43.7	38.3	35.2	34.0	-3.4%	-2.9%	0.9%
US	489.4	501.7	521.9	546.1	557.6	575.2	617.4	649.1	655.7	704.7	740.3	727.4	746.2	835.9	920.9	10.2%	4.3%	23.1%
Total North America	712.9	729.6	743.4	759.8	765.2	775.9	820.5	850.3	860.1	915.0	949.0	942.8	960.0	1050.1	1128.0	7.4%	3.3%	28.3%
Argentina	44.4	44.8	43.6	42.8	40.3	39.0	37.7	36.7	34.6	34.5	35.5	37.3	37.1	39.4	41.6	5.6%	-0.8%	1.0%
Bolivia	11.6	12.4	13.3	13.8	11.9	13.7	15.0	17.1	19.6	20.3	19.6	18.8	18.2	17.0	15.0	-12.2%	2.1%	0.4%
Brazil	11.2	11.5	11.6	14.4	12.3	15.0	17.2	19.8	21.9	23.3	23.8	24.1	27.2	25.2	25.8	2.6%	5.8%	0.6%
Colombia	6.4	6.8	7.3	8.7	10.1	10.8	10.5	11.5	13.2	12.3	11.6	12.0	12.3	12.9	13.2	2.6%	4.0%	0.3%
Peru	1.5	1.7	2.6	3.5	3.6	7.3	11.5	12.0	12.4	13.1	12.7	14.0	13.0	12.8	13.5	5.6%	13.8%	0.3%
Trinidad & Tobago	30.0	35.6	37.7	37.4	38.6	40.3	38.7	38.5	38.7	38.1	36.0	31.3	31.9	34.0	34.6	1.8%	-1.0%	0.9%
Venezuela	30.4	34.9	37.2	33.4	31.8	30.5	30.2	31.9	30.6	31.8	36.1	37.2	38.6	31.6	26.5	-16.3%	-0.6%	0.7%
Other S. & Cent. America	3.8	4.1	4.0	3.8	3.8	3.8	3.2	3.0	2.7	2.6	2.9	3.1	3.1	3.3	3.5	5.2%	-1.5%	0.1%
Total S. & Cent. America	139.4	151.8	157.3	157.9	152.3	160.4	164.1	170.6	173.8	176.0	178.0	177.9	181.4	176.2	173.6	-1.5%	1.1%	4.4%
Denmark	10.9	10.8	9.6	10.5	8.8	8.5	6.9	6.0	5.0	4.8	4.8	4.7	5.1	4.3	3.2	-25.4%	-8.5%	0.1%
Germany	16.5	16.3	15.0	13.6	12.7	11.1	10.5	9.5	8.6	8.1	7.5	6.9	6.4	5.5	5.3	-3.8%	-8.6%	0.1%
Italy	11.6	10.5	9.3	8.8	7.6	8.0	8.0	8.2	7.4	6.8	6.4	5.5	5.3	5.2	4.6	-10.9%	-5.2%	0.1%
Netherlands	65.3	64.5	62.0	70.9	65.5	75.3	69.5	68.4	72.4	60.4	45.9	44.3	38.5	32.3	28.1	-13.0%	-7.6%	0.7%
Norway	85.2	88.0	89.6	99.4	103.6	106.4	100.5	113.9	107.9	108.0	116.2	115.9	123.2	121.3	114.4	-5.7%	2.0%	2.9%
Poland	4.5	4.5	4.5	4.3	4.3	4.3	4.5	4.5	4.4	4.3	4.3	4.1	4.0	4.0	4.0	0.1%	-0.7%	0.1%
Romania	11.3	11.1	10.7	10.5	10.4	10.0	10.1	10.1	10.0	10.2	10.2	9.1	10.0	10.0	9.7	-2.8%	-0.5%	0.2%
Ukraine	19.7	20.0	20.0	20.3	20.3	19.4	19.5	19.4	20.2	20.2	18.8	19.0	19.4	19.7	19.6	-0.5%	-0.3%	0.5%
United Kingdom	92.3	83.7	75.5	72.8	61.2	57.9	46.1	39.2	37.0	37.4	40.7	41.7	41.9	40.5	39.6	-2.2%	-5.7%	1.0%
Other Europe	10.2	10.8	10.0	9.4	9.3	9.3	9.2	8.4	7.2	6.3	6.1	8.7	9.0	8.5	7.4	-12.9%	-1.1%	0.2%
Total Europe	327.6	320.4	306.3	320.5	303.7	310.4	284.8	287.5	280.0	266.6	261.0	259.9	262.8	251.2	235.9	-6.1%	-2.4%	5.9%
Azerbaijan	5.6	6.6	10.6	15.9	15.9	16.3	16.0	16.8	17.4	18.4	18.8	18.3	17.8	19.0	24.3	27.7%	1.8%	0.6%
Kazakhstan	14.6	15.2	15.8	18.3	19.0	20.4	20.1	19.8	21.4	21.7	22.0	22.9	23.4	23.9	23.4	-2.2%	2.7%	0.6%
Russian Federation	589.5	604.8	601.6	611.5	536.2	598.4	616.8	601.9	614.5	591.2	584.4	589.3	635.6	669.1	679.0	1.5%	0.9%	17.0%
Turkmenistan	56.9	56.6	61.6	61.6	33.3	40.1	56.3	59.0	59.0	63.5	65.9	63.2	58.7	61.5	63.2	2.7%	♦	1.6%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	54.6	56.6	58.9	61.0	58.4	57.1	56.6	56.5	55.9	56.3	53.6	53.1	53.4	57.2	56.3	-1.6%	-0.7%	1.4%
Other CIS	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0%	0.2%	♦
Total CIS	721.5	740.1	748.8	768.6	663.2	732.7	766.2	754.3	768.5	751.4	745.0	747.2	789.1	831.1	846.5	1.9%	0.8%	21.2%
Bahrain	10.2	10.8	11.2	12.0	12.1	12.4	12.6	13.1	14.0	14.7	14.8	14.4	14.5	14.6	16.9	15.4%	2.0%	0.4%
Iran	96.6	105.3	118.0	123.6	135.7	143.9	151.0	156.9	157.5	175.5	183.5	199.3	219.5	238.3	244.2	2.4%	6.8%	6.1%
Iraq	1.4	1.4	4.5	6.5	6.9	7.1	6.3	6.3	7.1	7.5	7.3	9.9	10.1	10.6	10.8	1.9%	5.1%	0.3%
Kuwait	11.7	11.8	10.7	12.1	10.9	11.1	12.9	14.7	15.5	14.3	16.1	16.4	16.2	16.9	18.4	9.2%	3.4%	0.5%
Oman	20.8	24.3	24.6	24.1	23.9	25.7	27.1	28.3	30.8	29.3	30.7	31.5	32.3	36.0	36.3	0.9%	4.1%	0.9%
Qatar	47.4	52.5	65.4	79.7	92.4	123.1	150.4	162.5	168.2	169.5	174.9	173.6	168.6	176.5	178.1	0.9%	8.3%	4.5%
Saudi Arabia	67.7	69.8	70.7	76.4	74.5	83.3	87.6	94.4	95.0	97.3	99.2	105.3	109.3	112.1	113.6	1.4%	3.9%	2.8%
Syria	5.7	5.9	5.7	5.6	6.1	8.4	7.4	6.1	5.0	4.6	4.1	3.5	3.5	3.6	3.7	3.6%	-4.3%	0.1%
United Arab Emirates	46.6	47.6	49.0	49.0	47.6	50.0	51.0	52.9	53.2	52.9	58.7	60.3	62.4	61.4	62.5	1.9%	2.3%	1.6%
Yemen	-	-	-	-	0.8	6.3	9.4	7.6	10.4	9.8	2.9	0.5	0.6	0.6	0.6	0.8%	n/a	♦
Other Middle East	1.8	2.4	2.8	3.5	2.7	3.3	4.2	2.5	6.3	7.3	8.1	9.0	9.5	10.1	10.1	0.1%	11.3%	0.3%
Total Middle East	309.9	331.6	362.7	392.3	413.8	474.6	520.0	545.5	562.9	582.7	600.2	623.9	646.5	680.7	695.3	2.1%	5.7%	17.4%
Algeria	84.9	81.3	81.6	82.6	76.6	77.4	79.6	78.4	79.3	80.2	81.4	91.4	93.0	93.8	86.2	-8.1%	1.3%	2.2%
Egypt	40.9	52.6	53.6	56.8	60.3	59.0	59.1	58.6	54.0	47.0	42.6	40.3	48.8	58.6	64.9	10.9%	0.3%	1.6%
Libya	10.7	12.5	14.5	15.1	15.1	16.0	7.5	11.6	12.2	11.8	11.0	9.4	8.6	8.3	9.4	14.0%	-5.8%	0.2%
Nigeria	23.0	26.9	33.6	32.8	23.2	30.9	36.4	39.2	33.1	40.0	47.6	42.6	47.2	48.3	49.3	2.1%	3.9%	1.2%
Other Africa	11.5	11.7	12.3	16.6	16.9	19.0	19.1	19.0	19.8	19.7	21.4	22.2	26.5	27.3	28.0	2.7%	5.1%	0.7%
Total Africa	171.1	185.1	195.7	203.9	192.1	202.3	201.7	206.8	198.3	198.7	204.0	205.9	224.2	236.2	237.9	0.7%	1.5%	6.0%
Australia	38.2	40.7	42.8	41.7	46.7	54.0	55.7	59.5	61.8	66.6	76.0	96.4	112.8	130.1	153.5	18.0%	12.1%	3.8%
Bangladesh	13.3	14.4	15.3	16.4	18.7	19.3	19.6	21.3	22.0	23.0	25.9	26.5	26.6	26.6	28.7	8.0%	5.0%	0.7%
Brunei	11.7	12.3	11.9	11.8	11.1	12.0	12.5	12.3	11.9	12.7	13.3	12.9	12.9	12.6	13.0	3.3%	0.6%	0.3%
China	49.7	59.0	69.8	80.9	85.9	96.5	106.2	111.5	121.8	131.2	135.7	137.9	149.2	161.5	177.6	9.9%	7.2%	4.5%
India	28.5	28.2	29.0	29.4	36.1	47.4	42.9	37.3	31.1	29.4	28.1	26.6	27.7	27.5	26.9	-2.1%	-0.7%	0.7%
Indonesia	76.3	75.4	72.6	74.8	78.0	87.0	82.7	78.3	77.6	76.4	76.2	75.1	72.7	72.8	67.5	-7.2%	-0.3%	1.7%
Malaysia	67.7	67.5	67.6	69.2	66.2	65.1	67.0	69.3	72.6	72.2	76.8	76.7	78.5	77.3	78.8	2.0%	1.1%	2.0%
Myanmar	12.0	12.4	13.3	12.2	11.4	12.2	12.6	12.5	12.9	16.5	19.2	18.3	17.8	17.1	17.1	-	3.4%	0.4%
Pakistan	32.6	33.3	33.8	34.6	34.7	35.3	35.3	36.6	35.6	35.0	35.0	34.7	34.7	34.2	33.9	-1.0%	-0.1%	0.8%
Thailand	24.5	25.2	26.9	29.8	29.4	33.7	33.8	38.4	38.9	39.1	37.5	37.3	35.9	34.7	35.8	3.0%	1.5%	0.9%
Vietnam	6.2	6.8	6.8	7.2	7.7	9.1	8.2	9.0	9.4	9.9	10.3	10.2	9.5	9.7	9.9	2.0%	2.9%	0.2%
Other Asia Pacific	11.3	14.5	17.3	18.3	18.5	18.2	18.3	18.0	18.7	23.6	29.4	30.2	30.2	28.1	29.6	5.5%	4.4%	0.7%
Total Asia Pacific	372.0	389.5	407.1	426.4	444.6	489.8	494.7	504.0	514.2	535.5	563.5	582.8	608.5	632.0	672.1	6.3%	4.0%	16.8%
Total World	2754.4	2848.2	2921.2	3029.3	2934.9	3146.2	3251.9	3318.9	3357.8	3425.9	3500.6	3540.4	3672.5	3857.5	3989.3	3.4%	2.4%	100.0%
of which: OECD	1056.4	1068.0	1071.4	1101.6	1094.9	1121.7	1141.9	1177.1	1184.8	1232.0	1271.5	1286.9	1323.3	1419.3	1506.2	6.1%	2.6%	37.8%
Non-OECD	1698.0	1780.1	1849.8	1927.7	1840.0	2024.5	2110.0	2141.8	2173.1	2193.9	2229.2	2253.4	2349.2	2438.3	2483.2	1.8%	2.4%	62.2%
European Union #	221.6	211.2	195.6	199.6	178.8	183.5	163.5	153.1	150.9	137.4	124.9	124.1	119.3	109.3	101.0	-7.7%	-5.8%	2.5%

Source: Includes data from Cedigaz. FGE MENAgas service.

* Excludes gas flared or recycled. Includes natural gas produced for Gas-to-Liquids transformation.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: As far as possible, the data above represents standard cubic metres (measured at 15oC and 1013 mbar); as they are derived directly from measures of energy content using an average conversion factor and have been standardized using a Gross Calorific Value (GCV) of 40 MJ/m3, they do not necessarily equate with gas volumes expressed in specific national terms.
Annual changes and shares of total are calculated using billion cubic metres figures.

Contents

Natural Gas: Production*

Contents

Billion cubic feet per day	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Canada	5.23	5.71	6.43	6.91	6.77	6.91	6.96	7.33	7.07	7.46	6.87	6.66	6.99	6.57	7.19	7.79	7.31
Mexico	1.07	1.06	1.09	1.19	1.25	1.27	1.24	1.32	1.66	2.01	2.42	2.62	2.79	2.82	2.76	2.69	2.39
US	55.29	56.86	56.52	56.62	54.13	50.12	49.58	49.93	49.73	51.23	50.67	50.27	46.75	42.35	45.83	43.33	42.21
Total North America	**61.58**	**63.63**	**64.05**	**64.73**	**62.15**	**58.31**	**57.78**	**58.58**	**58.45**	**60.70**	**59.96**	**59.55**	**56.53**	**51.74**	**55.78**	**53.81**	**51.90**
Argentina	0.57	0.61	0.58	0.63	0.68	0.72	0.69	0.71	0.73	0.68	0.79	0.82	0.92	1.24	1.26	1.31	1.46
Bolivia	^	^	0.11	0.17	0.17	0.17	0.18	0.19	0.18	0.20	0.25	0.26	0.27	0.26	0.25	0.25	0.25
Brazil	^	^	^	^	^	^	^	0.06	0.08	0.08	0.10	0.09	0.13	0.17	0.20	0.25	0.29
Colombia	0.12	0.13	0.15	0.16	0.17	0.14	0.15	0.17	0.22	0.25	0.27	0.30	0.31	0.35	0.35	0.36	0.35
Peru	^	^	^	^	^	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	^	0.07	0.05	0.05
Trinidad & Tobago	0.17	0.18	0.19	0.18	0.16	0.15	0.17	0.20	0.23	0.24	0.27	0.30	0.37	0.38	0.40	0.41	0.42
Venezuela	0.83	0.80	0.80	0.98	1.04	1.01	1.25	1.37	1.38	1.54	1.59	1.60	1.71	1.68	1.85	1.86	2.05
Other S. & Cent. America	0.07	0.08	0.07	0.06	0.06	0.07	0.11	0.12	0.14	0.09	0.08	0.08	0.09	0.09	0.10	0.10	0.10
Total S. & Cent. America	**1.81**	**1.86**	**1.96**	**2.24**	**2.37**	**2.37**	**2.65**	**2.87**	**3.03**	**3.15**	**3.40**	**3.52**	**3.87**	**4.22**	**4.48**	**4.59**	**4.97**
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.11	0.19
Germany	1.16	1.43	1.71	1.92	1.99	1.85	1.90	1.90	1.96	1.96	1.78	1.83	1.61	1.78	1.74	1.66	1.36
Italy	1.22	1.24	1.31	1.42	1.42	1.35	1.45	1.27	1.27	1.24	1.15	1.29	1.33	1.19	1.26	1.30	1.45
Netherlands	2.70	3.73	4.96	6.05	7.18	7.77	8.28	8.33	7.63	8.00	7.71	7.18	6.14	6.54	6.60	6.93	6.34
Norway	-	-	-	-	-	-	-	0.25	1.36	1.98	2.40	2.40	2.30	2.27	2.49	2.51	2.51
Poland	0.50	0.51	0.54	0.55	0.53	0.55	0.59	0.63	0.67	0.60	0.51	0.45	0.42	0.41	0.45	0.47	0.42
Romania	2.10	2.25	2.29	2.43	2.51	2.73	2.97	3.15	3.17	3.03	3.12	3.30	3.33	3.31	3.28	3.14	3.18
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.93	3.64
United Kingdom	1.06	1.76	2.53	2.76	3.33	3.46	3.66	3.83	3.67	3.71	3.51	3.52	3.57	3.68	3.59	4.02	4.22
Other Europe	1.41	1.48	1.55	1.67	1.71	1.70	1.74	1.89	2.00	1.93	1.85	1.78	1.83	1.81	1.82	1.84	1.69
Total Europe	**10.15**	**12.40**	**14.90**	**16.80**	**18.66**	**19.41**	**20.60**	**21.25**	**21.74**	**22.46**	**22.05**	**21.75**	**20.53**	**20.98**	**21.24**	**25.90**	**25.00**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.33	1.28
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.45	0.48
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	41.11	44.75
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	7.62	7.76
USSR	18.14	19.47	20.24	21.66	23.88	26.51	29.33	31.71	34.11	37.26	39.78	42.64	45.89	49.10	53.69	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.17	3.53
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.07	0.08
Total CIS	**18.14**	**19.47**	**20.24**	**21.66**	**23.88**	**26.51**	**29.33**	**31.71**	**34.11**	**37.26**	**39.78**	**42.64**	**45.89**	**49.10**	**53.69**	**53.74**	**57.89**
Bahrain	0.06	0.09	0.11	0.16	0.20	0.21	0.22	0.24	0.26	0.29	0.24	0.22	0.35	0.36	0.37	0.46	0.52
Iran	0.34	0.82	1.10	1.22	1.26	1.32	1.34	1.36	0.85	0.82	0.44	0.48	0.65	0.75	0.87	0.94	0.90
Iraq	0.07	0.09	0.09	0.08	0.08	0.12	0.17	0.11	0.11	0.16	0.12	0.06	0.06	^	0.05	0.08	0.14
Kuwait	0.19	0.19	0.23	0.26	0.27	0.30	0.35	0.39	0.43	0.57	0.37	0.43	0.34	0.37	0.40	0.39	0.53
Oman	-	-	-	-	-	-	-	-	^	^	0.06	0.07	0.08	0.10	0.13	0.16	0.19
Qatar	0.10	0.10	0.11	0.16	0.13	0.20	0.11	0.16	0.15	0.44	0.47	0.43	0.51	0.52	0.59	0.55	0.58
Saudi Arabia	0.15	0.12	0.14	0.17	0.21	0.25	0.27	0.38	0.52	0.64	0.89	1.04	1.10	1.08	1.67	1.73	2.32
Syria	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^
United Arab Emirates	0.08	0.14	0.14	0.16	0.16	0.16	0.18	0.37	0.54	0.58	0.71	0.84	0.90	0.79	1.03	1.25	1.44
Yemen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total Middle East	**1.00**	**1.56**	**1.93**	**2.21**	**2.32**	**2.55**	**2.65**	**3.01**	**2.91**	**3.56**	**3.30**	**3.57**	**4.00**	**4.03**	**5.13**	**5.56**	**6.65**
Algeria	0.24	0.25	0.31	0.42	0.48	0.60	0.75	0.72	1.11	1.82	1.49	1.73	2.26	3.23	3.28	3.61	3.69
Egypt	^	^	^	^	^	^	^	^	0.07	0.10	0.20	0.23	0.25	0.29	0.37	0.46	0.53
Libya	^	0.07	0.26	0.42	0.37	0.43	0.44	0.46	0.47	0.62	0.47	0.29	0.31	0.34	0.42	0.48	0.51
Nigeria	^	^	^	^	^	^	0.06	0.08	0.10	0.13	0.15	0.23	0.23	0.27	0.26	0.24	0.28
Other Africa	^	^	^	0.07	0.09	0.06	^	0.05	0.06	0.06	0.08	0.09	0.10	0.10	0.10	0.10	0.11
Total Africa	**0.29**	**0.36**	**0.63**	**0.95**	**0.99**	**1.12**	**1.32**	**1.35**	**1.81**	**2.74**	**2.40**	**2.56**	**3.15**	**4.23**	**4.43**	**4.89**	**5.13**
Australia	0.17	0.25	0.36	0.46	0.52	0.56	0.66	0.75	0.81	0.93	1.07	1.16	1.13	1.23	1.21	1.30	1.42
Bangladesh	-	-	^	0.06	0.06	0.07	0.09	0.10	0.11	0.12	0.14	0.13	0.17	0.19	0.22	0.25	0.28
Brunei	^	^	^	0.18	0.40	0.52	0.69	0.79	0.77	0.81	0.81	0.79	0.79	0.82	0.83	0.81	0.81
China	0.28	0.36	0.47	0.58	0.73	0.86	0.98	1.18	1.34	1.41	1.39	1.24	1.16	1.19	1.21	1.26	1.34
India	0.06	0.06	0.07	0.07	0.08	0.10	0.12	0.13	0.15	0.19	0.11	0.19	0.25	0.30	0.34	0.42	0.58
Indonesia	0.12	0.15	0.11	0.17	0.17	0.23	0.23	0.56	1.07	1.55	1.81	1.84	1.87	2.14	2.87	3.17	3.30
Malaysia	-	^	^	^	^	^	^	^	0.23	0.28	0.25	0.21	0.27	0.65	0.98	1.08	1.46
Myanmar	^	^	^	^	^	^	^	^	^	^	^	^	^	0.06	0.06	0.09	0.10
Pakistan	0.28	0.28	0.26	0.30	0.33	0.37	0.37	0.41	0.42	0.48	0.58	0.63	0.69	0.68	0.70	0.71	0.76
Thailand	-	-	-	-	-	-	-	-	-	-	-	^	0.13	0.16	0.24	0.31	0.36
Vietnam	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
Other Asia Pacific	0.53	0.59	0.64	0.66	0.69	0.68	0.75	0.85	0.82	0.73	0.75	0.72	0.75	0.78	0.86	0.94	0.99
Total Asia Pacific	**1.46**	**1.73**	**2.00**	**2.49**	**3.03**	**3.44**	**3.95**	**4.82**	**5.74**	**6.53**	**6.94**	**6.99**	**7.26**	**8.20**	**9.51**	**10.34**	**11.41**
Total World	**94.44**	**101.00**	**105.70**	**111.08**	**113.41**	**113.70**	**118.28**	**123.60**	**127.79**	**136.41**	**137.83**	**140.58**	**141.22**	**142.49**	**154.26**	**158.84**	**162.95**
of which: OECD	69.99	74.22	77.18	79.71	78.98	75.71	76.30	77.76	78.14	81.25	80.10	79.32	75.10	70.92	75.30	74.31	71.92
Non-OECD	24.45	26.78	28.51	31.37	34.43	37.99	41.98	45.84	49.65	55.16	57.73	61.26	66.12	71.57	78.96	84.53	91.04
European Union #	10.06	12.29	14.76	16.64	18.49	19.24	20.40	20.78	20.16	20.27	19.43	19.14	18.02	18.50	18.56	19.19	18.55

Billion cubic feet per day	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Canada	7.92	9.12	9.72	10.01	10.53	11.58	12.78	13.83	14.78	14.85	15.45	16.02	16.50	17.01	17.36	17.49	17.03	17.05	17.33	17.36	16.90	16.06	15.00
Mexico	2.43	2.45	2.36	2.55	2.59	2.50	2.69	2.83	2.82	2.97	3.01	3.19	3.31	3.22	3.21	3.26	3.37	3.57	4.29	4.69	4.53	4.56	5.09
US	43.73	44.79	45.55	46.77	46.52	46.76	47.43	49.38	48.70	49.23	49.49	50.05	49.36	50.04	51.46	49.46	50.10	48.54	47.35	48.54	50.49	52.69	53.95
Total North America	**54.08**	**56.36**	**57.62**	**59.33**	**59.64**	**60.84**	**62.89**	**66.03**	**66.30**	**67.05**	**67.96**	**69.26**	**69.17**	**70.27**	**72.03**	**70.21**	**70.51**	**69.17**	**68.98**	**70.59**	**71.93**	**73.31**	**74.04**
Argentina	1.43	1.69	1.79	1.68	1.88	1.89	2.02	2.10	2.35	2.71	2.58	2.78	3.25	3.51	3.49	3.40	3.86	4.21	4.29	4.34	4.22	4.13	3.90
Bolivia	0.27	0.28	0.30	0.30	0.30	0.27	0.27	0.29	0.29	0.30	0.25	0.26	0.21	0.30	0.44	0.56	0.65	0.91	1.12	1.20	1.29	1.33	1.15
Brazil	0.32	0.33	0.33	0.30	0.32	0.36	0.42	0.46	0.51	0.55	0.60	0.63	0.74	0.74	0.76	0.92	1.00	1.10	1.09	1.11	1.12	1.39	1.19
Colombia	0.37	0.35	0.36	0.38	0.38	0.38	0.38	0.39	0.41	0.44	0.55	0.63	0.55	0.55	0.57	0.58	0.56	0.59	0.62	0.65	0.70	0.84	0.98
Peru	0.05	0.05	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.08	0.14	0.17	0.25	0.34	0.35
Trinidad & Tobago	0.44	0.51	0.51	0.53	0.54	0.52	0.58	0.67	0.71	0.80	0.88	0.88	1.10	1.33	1.42	1.67	2.44	2.76	2.90	3.44	3.65	3.61	3.73
Venezuela	2.00	2.04	2.10	2.36	2.35	2.32	2.51	2.65	2.95	3.18	3.31	3.47	2.94	2.99	3.18	3.05	2.71	3.04	2.94	3.38	3.60	3.22	3.08
Other S. & Cent. America	0.09	0.13	0.18	0.23	0.25	0.27	0.22	0.29	0.28	0.28	0.27	0.26	0.32	0.35	0.37	0.34	0.31	0.34	0.37	0.39	0.39	0.37	0.37
Total S. & Cent. America	**4.97**	**5.37**	**5.61**	**5.83**	**6.04**	**6.03**	**6.44**	**6.88**	**7.54**	**8.31**	**8.46**	**8.95**	**9.16**	**9.81**	**10.27**	**10.57**	**11.57**	**13.03**	**13.49**	**14.69**	**15.21**	**15.23**	**14.74**
Denmark	0.24	0.24	0.31	0.32	0.40	0.41	0.45	0.49	0.53	0.65	0.79	0.76	0.78	0.82	0.85	0.86	0.81	0.95	1.06	1.05	0.93	1.01	0.85
Germany	1.52	1.41	1.48	1.45	1.49	1.51	1.50	1.58	1.63	1.76	1.73	1.69	1.81	1.70	1.73	1.72	1.79	1.65	1.60	1.58	1.45	1.32	1.23
Italy	1.49	1.51	1.55	1.58	1.59	1.65	1.76	1.86	1.84	1.84	1.79	1.76	1.62	1.54	1.41	1.36	1.29	1.20	1.12	1.02	0.90	0.85	0.74
Netherlands	6.35	5.59	6.12	6.14	6.94	6.95	7.10	6.74	6.85	7.73	6.86	6.55	6.09	5.92	6.25	6.15	5.87	6.91	6.32	6.24	6.00	6.84	6.34
Norway	2.70	2.71	2.76	2.45	2.40	2.47	2.38	2.58	2.67	3.58	4.12	4.24	4.65	4.77	5.19	6.30	7.01	7.58	8.24	8.51	8.67	9.59	10.02
Poland	0.42	0.42	0.39	0.27	0.30	0.29	0.37	0.35	0.36	0.35	0.36	0.37	0.35	0.37	0.39	0.40	0.41	0.44	0.44	0.44	0.44	0.41	0.41
Romania	3.02	2.95	2.65	2.58	2.26	1.98	1.89	1.67	1.63	1.54	1.34	1.25	1.26	1.23	1.21	1.19	1.17	1.16	1.09	1.08	1.04	1.01	1.01
Ukraine	3.26	2.96	2.82	2.57	2.23	1.92	1.76	1.67	1.55	1.57	1.60	1.53	1.55	1.52	1.56	1.71	1.77	1.87	1.90	1.93	1.93	1.96	1.97
United Kingdom	4.42	4.25	4.17	4.61	5.13	5.20	6.13	6.55	7.16	8.50	8.69	9.13	10.04	10.95	10.72	10.50	10.43	9.74	8.93	8.10	7.30	7.02	5.92
Other Europe	1.72	1.65	1.70	1.57	1.59	1.54	1.60	1.49	1.54	1.43	1.30	1.19	1.12	1.08	1.05	1.05	1.00	1.05	0.99	1.05	0.97	0.91	0.90
Total Europe	**25.15**	**23.69**	**23.96**	**23.53**	**24.32**	**23.92**	**24.95**	**24.96**	**25.76**	**28.94**	**28.59**	**28.49**	**29.27**	**29.90**	**30.37**	**31.23**	**31.56**	**32.56**	**31.69**	**31.00**	**29.63**	**30.92**	**29.38**
Azerbaijan	1.18	1.12	1.05	0.93	0.81	0.74	0.64	0.60	0.62	0.55	0.53	0.49	0.53	0.50	0.49	0.45	0.45	0.44	0.54	0.64	1.02	1.54	1.54
Kazakhstan	0.52	0.59	0.56	0.59	0.60	0.57	0.51	0.32	0.40	0.34	0.56	0.49	0.65	0.82	0.84	0.89	1.08	1.26	1.41	1.47	1.53	1.76	1.84
Russian Federation	48.43	52.33	54.79	58.01	57.21	57.14	55.01	54.03	52.36	53.29	50.65	52.37	52.67	51.82	51.74	52.98	55.21	56.21	57.03	58.51	58.21	59.00	51.88
Turkmenistan	8.07	8.06	8.23	7.67	7.37	4.85	5.70	3.13	2.82	3.06	1.51	1.16	1.99	4.09	4.48	4.67	5.17	5.08	5.50	5.48	5.96	5.94	3.22
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	3.64	3.64	3.76	3.56	3.66	3.71	3.93	4.12	4.19	4.27	4.39	4.79	4.86	4.91	4.98	5.10	5.14	5.19	5.28	5.48	5.70	5.89	5.65
Other CIS	0.08	0.07	0.07	0.06	0.05	0.05	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total CIS	**61.92**	**65.82**	**68.46**	**70.82**	**69.71**	**67.07**	**65.84**	**62.25**	**60.44**	**61.56**	**57.68**	**59.34**	**60.74**	**62.18**	**62.57**	**64.13**	**67.08**	**68.22**	**69.81**	**71.61**	**72.45**	**74.16**	**64.16**
Bahrain	0.51	0.54	0.56	0.59	0.56	0.65	0.70	0.72	0.73	0.75	0.81	0.85	0.88	0.89	0.92	0.96	0.98	0.89	0.98	1.04	1.08	1.16	1.17
Iran	1.10	1.19	1.51	2.39	2.83	2.98	1.60	2.54	3.08	3.62	3.81	4.30	5.13	5.44	6.06	7.20	7.56	8.78	9.35	10.19	11.42	11.92	13.13
Iraq	0.34	0.51	0.59	0.37	0.16	0.21	0.23	0.29	0.29	0.30	0.28	0.27	0.29	0.29	0.25	0.22	0.14	0.09	0.13	0.13	0.44	0.62	0.66
Kuwait	0.44	0.63	0.75	0.39	^	0.24	0.50	0.55	0.85	0.85	0.85	0.87	0.80	0.88	0.87	0.80	0.92	1.00	1.13	1.14	1.03	1.16	1.06
Oman	0.21	0.21	0.22	0.24	0.24	0.26	0.25	0.26	0.37	0.40	0.45	0.47	0.50	1.00	1.49	1.61	1.77	1.80	2.02	2.35	2.38	2.33	2.31
Qatar	0.56	0.59	0.62	0.63	0.76	0.79	0.83	0.86	0.90	0.94	1.30	1.57	2.07	2.49	2.70	2.95	3.14	3.91	4.59	5.08	6.33	7.69	8.94
Saudi Arabia	2.46	2.67	2.74	3.08	3.23	3.51	3.68	3.93	3.95	4.07	4.17	4.30	4.25	4.57	4.93	5.21	5.52	6.02	6.55	6.75	6.84	7.37	7.21
Syria	^	0.09	0.14	0.15	0.18	0.19	0.18	0.20	0.25	0.27	0.42	0.52	0.52	0.52	0.53	0.59	0.62	0.57	0.56	0.57	0.55	0.54	0.59
United Arab Emirates	1.59	1.63	1.92	1.90	2.25	2.09	2.17	2.44	2.95	3.18	3.43	3.50	3.63	3.61	3.71	4.09	4.23	4.35	4.51	4.60	4.74	4.73	4.61
Yemen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08
Other Middle East	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.13	0.17	0.23	0.27	0.33	0.26
Total Middle East	**7.26**	**8.06**	**9.07**	**9.75**	**10.27**	**10.93**	**10.16**	**11.81**	**13.40**	**14.39**	**15.53**	**16.69**	**18.08**	**19.69**	**21.51**	**23.66**	**24.90**	**27.56**	**29.98**	**32.09**	**35.09**	**37.86**	**40.03**
Algeria	4.17	4.35	4.70	5.00	5.39	5.60	5.68	5.23	5.95	6.30	7.24	7.76	8.72	8.87	8.37	8.61	9.08	8.88	8.22	7.87	7.90	7.97	7.41
Egypt	0.58	0.64	0.72	0.75	0.85	0.91	1.05	1.13	1.16	1.24	1.27	1.30	1.56	1.95	2.35	2.54	2.80	3.06	3.96	5.09	5.19	5.48	5.84
Libya	0.46	0.50	0.63	0.57	0.60	0.62	0.58	0.59	0.58	0.59	0.60	0.58	0.48	0.54	0.57	0.54	0.51	0.74	1.04	1.21	1.40	1.46	1.46
Nigeria	0.28	0.34	0.39	0.37	0.36	0.39	0.45	0.41	0.44	0.50	0.48	0.58	0.42	1.08	1.48	1.66	2.07	2.21	2.22	2.60	3.25	3.16	2.24
Other Africa	0.11	0.13	0.12	0.29	0.28	0.28	0.30	0.29	0.30	0.39	0.48	0.51	0.59	0.60	0.75	0.78	0.72	0.94	1.12	1.14	1.19	1.60	1.64
Total Africa	**5.60**	**5.96**	**6.55**	**6.98**	**7.48**	**7.80**	**8.06**	**7.64**	**8.44**	**9.01**	**10.08**	**10.73**	**11.77**	**13.04**	**13.51**	**14.13**	**15.18**	**15.83**	**16.55**	**17.91**	**18.94**	**19.67**	**18.59**
Australia	1.45	1.48	1.71	1.99	2.09	2.25	2.36	2.71	2.86	2.86	2.87	2.93	2.97	3.01	3.16	3.19	3.26	3.47	3.70	3.94	4.14	4.02	4.52
Bangladesh	0.33	0.39	0.41	0.44	0.46	0.50	0.56	0.59	0.65	0.70	0.69	0.74	0.81	0.87	0.98	1.03	1.11	1.19	1.28	1.39	1.48	1.58	1.81
Brunei	0.81	0.84	0.83	0.84	0.85	0.92	0.97	0.98	1.11	1.10	1.10	1.02	1.06	1.06	1.08	1.08	1.17	1.15	1.13	1.19	1.16	1.14	1.08
China	1.35	1.39	1.47	1.49	1.51	1.54	1.63	1.71	1.75	1.96	2.21	2.27	2.46	2.65	2.96	3.18	3.41	4.03	4.81	5.71	6.75	7.81	8.31
India	0.67	0.79	0.94	1.12	1.25	1.39	1.42	1.53	1.75	1.90	2.08	2.28	2.33	2.45	2.46	2.57	2.75	2.71	2.76	2.73	2.80	2.84	3.50
Indonesia	3.53	3.84	4.05	4.31	4.73	5.00	5.21	5.94	5.96	6.27	6.45	6.34	6.88	6.82	6.64	7.31	7.66	7.30	7.38	7.29	7.02	7.22	7.55
Malaysia	1.58	1.62	1.76	1.74	2.07	2.16	2.33	2.47	2.74	3.49	4.00	3.99	4.09	4.79	4.74	4.89	5.10	5.80	6.55	6.53	6.54	6.68	6.40
Myanmar	0.11	0.10	0.10	0.08	0.08	0.08	0.10	0.14	0.16	0.15	0.14	0.17	0.16	0.32	0.67	0.80	0.91	0.97	1.16	1.20	1.29	1.18	1.10
Pakistan	0.82	0.87	0.93	0.99	1.07	1.04	1.21	1.23	1.26	1.37	1.37	1.44	1.64	1.73	1.83	1.99	2.47	2.96	3.16	3.22	3.27	3.34	3.36
Thailand	0.51	0.60	0.60	0.65	0.81	0.86	0.97	1.07	1.14	1.31	1.62	1.76	1.93	2.02	1.97	2.06	2.15	2.23	2.37	2.44	2.60	2.88	2.84
Vietnam	^	^	^	^	^	^	^	^	^	^	^	0.08	0.12	0.15	0.19	0.22	0.22	0.39	0.60	0.65	0.66	0.70	0.75
Other Asia Pacific	0.98	1.03	0.59	0.77	0.79	0.81	0.80	0.78	0.76	0.82	0.86	0.80	0.86	0.90	0.95	1.09	1.06	1.02	1.09	1.41	1.67	1.76	1.79
Total Asia Pacific	**12.14**	**12.94**	**13.39**	**14.44**	**15.71**	**16.57**	**17.59**	**19.18**	**20.15**	**21.94**	**23.43**	**23.81**	**25.30**	**26.77**	**27.62**	**29.42**	**31.28**	**33.23**	**35.99**	**37.69**	**39.38**	**41.14**	**43.02**
Total World	**171.12**	**178.19**	**184.66**	**190.68**	**193.18**	**193.16**	**195.94**	**198.76**	**202.04**	**211.20**	**211.73**	**217.27**	**223.50**	**231.67**	**237.88**	**243.34**	**252.07**	**259.60**	**266.49**	**275.57**	**282.63**	**292.29**	**283.96**
of which: OECD	74.75	76.02	78.11	80.27	82.20	83.80	87.15	91.05	92.37	96.47	97.25	98.58	99.39	101.27	103.66	102.59	103.09	102.93	102.21	103.34	103.66	106.30	105.94
Non-OECD	96.37	102.16	106.55	110.41	110.98	109.36	108.79	107.71	109.68	114.74	114.48	118.69	124.10	130.40	134.22	140.76	148.98	156.67	164.29	172.23	178.97	186.00	178.02
European Union #	18.85	17.69	18.06	18.40	19.58	19.42	20.69	20.62	21.43	23.71	22.79	22.59	22.94	23.48	23.54	23.14	22.69	23.01	21.44	20.44	18.92	19.26	17.30

Billion cubic feet per day	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	14.47	14.62	14.50	14.70	15.38	15.55	16.58	16.99	17.32	16.75	-3.3%	0.8%	4.3%
Mexico	4.95	5.04	4.91	5.08	4.96	4.64	4.21	3.70	3.40	3.29	-3.4%	-2.9%	0.9%
US	55.65	59.73	62.63	63.44	68.18	71.63	70.18	72.19	80.87	89.10	10.2%	4.4%	23.1%
Total North America	**75.07**	**79.39**	**82.04**	**83.22**	**88.53**	**91.82**	**90.97**	**92.89**	**101.60**	**109.13**	**7.4%**	**3.3%**	**28.3%**
Argentina	3.77	3.65	3.54	3.34	3.34	3.43	3.60	3.59	3.81	4.03	5.6%	-0.8%	1.0%
Bolivia	1.33	1.45	1.65	1.89	1.96	1.89	1.81	1.76	1.65	1.45	-12.2%	2.2%	0.4%
Brazil	1.45	1.67	1.91	2.12	2.26	2.30	2.33	2.63	2.43	2.50	2.6%	5.8%	0.6%
Colombia	1.05	1.02	1.11	1.28	1.19	1.12	1.16	1.19	1.24	1.28	2.6%	4.0%	0.3%
Peru	0.71	1.11	1.15	1.20	1.27	1.22	1.35	1.26	1.24	1.31	5.6%	13.9%	0.3%
Trinidad & Tobago	3.90	3.74	3.72	3.75	3.68	3.48	3.02	3.08	3.29	3.34	1.8%	-0.9%	0.9%
Venezuela	2.95	2.93	3.08	2.96	3.08	3.49	3.59	3.74	3.06	2.56	-16.3%	-0.5%	0.7%
Other S. & Cent. America	0.37	0.31	0.29	0.26	0.25	0.28	0.30	0.30	0.32	0.34	5.2%	-1.4%	0.1%
Total S. & Cent. America	**15.52**	**15.88**	**16.46**	**16.81**	**17.03**	**17.23**	**17.16**	**17.55**	**17.04**	**16.79**	**-1.5%**	**1.1%**	**4.4%**
Denmark	0.83	0.66	0.58	0.48	0.46	0.46	0.45	0.49	0.42	0.31	-25.4%	-8.5%	0.1%
Germany	1.08	1.01	0.91	0.83	0.78	0.73	0.67	0.62	0.54	0.52	-3.8%	-8.6%	0.1%
Italy	0.77	0.78	0.79	0.71	0.66	0.62	0.53	0.51	0.50	0.45	-10.9%	-5.1%	0.1%
Netherlands	7.28	6.72	6.60	7.01	5.84	4.44	4.27	3.73	3.12	2.72	-13.0%	-7.5%	0.7%
Norway	10.30	9.72	10.99	10.44	10.45	11.25	11.18	11.92	11.73	11.07	-5.7%	2.0%	2.9%
Poland	0.42	0.43	0.44	0.43	0.42	0.41	0.40	0.39	0.39	0.39	0.1%	-0.7%	0.1%
Romania	0.97	0.98	0.97	0.97	0.99	0.99	0.87	0.97	0.96	0.94	-2.8%	-0.5%	0.2%
Ukraine	1.88	1.89	1.87	1.95	1.96	1.82	1.84	1.88	1.90	1.90	-0.5%	-0.3%	0.5%
United Kingdom	5.60	4.46	3.78	3.58	3.62	3.93	4.03	4.05	3.92	3.83	-2.2%	-5.7%	1.0%
Other Europe	0.90	0.89	0.81	0.69	0.61	0.59	0.84	0.87	0.82	0.71	-12.9%	-1.1%	0.2%
Total Europe	**30.03**	**27.56**	**27.74**	**27.09**	**25.79**	**25.25**	**25.08**	**25.42**	**24.31**	**22.82**	**-6.1%**	**-2.4%**	**5.9%**
Azerbaijan	1.57	1.54	1.62	1.69	1.78	1.82	1.76	1.72	1.84	2.35	27.7%	1.8%	0.6%
Kazakhstan	1.98	1.94	1.91	2.07	2.10	2.13	2.21	2.26	2.31	2.26	-2.2%	2.7%	0.6%
Russian Federation	57.90	59.68	58.07	59.45	57.20	56.55	56.86	61.49	64.74	65.70	1.5%	0.9%	17.0%
Turkmenistan	3.88	5.45	5.69	5.70	6.14	6.37	6.10	5.68	5.95	6.11	2.7%	♦	1.6%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	5.53	5.48	5.45	5.41	5.45	5.19	5.13	5.17	5.53	5.44	-1.6%	-0.6%	1.4%
Other CIS	^	^	^	^	^	^	^	^	^	^	2.0%	0.2%	♦
Total CIS	**70.89**	**74.13**	**72.78**	**74.36**	**72.70**	**72.08**	**72.09**	**76.35**	**80.41**	**81.90**	**1.9%**	**0.8%**	**21.2%**
Bahrain	1.20	1.22	1.26	1.35	1.42	1.43	1.39	1.40	1.42	1.64	15.4%	2.0%	0.4%
Iran	13.92	14.61	15.14	15.24	16.98	17.76	19.23	21.24	23.06	23.62	2.4%	6.8%	6.1%
Iraq	0.69	0.61	0.61	0.68	0.73	0.71	0.95	0.98	1.02	1.04	1.9%	5.1%	0.3%
Kuwait	1.08	1.24	1.42	1.50	1.38	1.55	1.58	1.57	1.63	1.78	9.2%	3.4%	0.5%
Oman	2.49	2.62	2.73	2.98	2.84	2.97	3.04	3.13	3.49	3.52	0.9%	4.1%	0.9%
Qatar	11.91	14.55	15.68	16.27	16.40	16.92	16.75	16.31	17.08	17.23	0.9%	8.3%	4.5%
Saudi Arabia	8.06	8.48	9.10	9.19	9.41	9.60	10.16	10.57	10.85	11.00	1.4%	3.9%	2.8%
Syria	0.82	0.72	0.59	0.48	0.45	0.39	0.34	0.34	0.35	0.36	3.6%	-4.2%	0.1%
United Arab Emirates	4.84	4.93	5.11	5.15	5.12	5.68	5.82	6.03	5.94	6.05	1.9%	2.3%	1.6%
Yemen	0.61	0.91	0.73	1.00	0.94	0.28	^	0.06	0.06	0.06	0.8%	n/a	♦
Other Middle East	0.31	0.41	0.24	0.60	0.71	0.78	0.87	0.92	0.98	0.98	0.1%	11.4%	0.3%
Total Middle East	**45.92**	**50.31**	**52.63**	**54.46**	**56.38**	**58.07**	**60.20**	**62.55**	**65.86**	**67.27**	**2.1%**	**5.7%**	**17.4%**
Algeria	7.49	7.70	7.57	7.68	7.76	7.88	8.82	9.00	9.08	8.34	-8.1%	1.3%	2.2%
Egypt	5.71	5.72	5.65	5.22	4.54	4.12	3.88	4.72	5.67	6.28	10.9%	0.3%	1.6%
Libya	1.55	0.72	1.12	1.18	1.14	1.07	0.91	0.84	0.80	0.91	14.0%	-5.8%	0.2%
Nigeria	2.99	3.52	3.78	3.20	3.87	4.60	4.11	4.57	4.67	4.77	2.1%	4.0%	1.2%
Other Africa	1.84	1.85	1.83	1.91	1.91	2.07	2.14	2.57	2.64	2.71	2.7%	5.1%	0.7%
Total Africa	**19.58**	**19.52**	**19.95**	**19.19**	**19.22**	**19.73**	**19.87**	**21.69**	**22.86**	**23.02**	**0.7%**	**1.5%**	**6.0%**
Australia	5.23	5.38	5.74	5.98	6.45	7.36	9.30	10.92	12.59	14.85	18.0%	12.1%	3.8%
Bangladesh	1.86	1.89	2.06	2.12	2.23	2.50	2.55	2.57	2.57	2.78	8.0%	5.0%	0.7%
Brunei	1.16	1.21	1.18	1.15	1.23	1.29	1.25	1.24	1.22	1.26	3.3%	0.6%	0.3%
China	9.34	10.27	10.76	11.79	12.69	13.13	13.31	14.43	15.63	17.18	9.9%	7.2%	4.5%
India	4.59	4.15	3.60	3.01	2.84	2.72	2.56	2.68	2.66	2.60	-2.1%	-0.6%	0.7%
Indonesia	8.42	8.00	7.55	7.51	7.39	7.37	7.24	7.03	7.04	6.53	-7.2%	-0.2%	1.7%
Malaysia	6.30	6.48	6.68	7.02	6.98	7.44	7.40	7.59	7.47	7.63	2.0%	1.1%	2.0%
Myanmar	1.18	1.21	1.21	1.24	1.60	1.86	1.76	1.72	1.65	1.65	-	3.5%	0.4%
Pakistan	3.42	3.42	3.53	3.44	3.39	3.39	3.35	3.35	3.31	3.28	-1.0%	-0.1%	0.8%
Thailand	3.26	3.27	3.71	3.77	3.78	3.63	3.60	3.48	3.36	3.46	3.0%	1.6%	0.9%
Vietnam	0.88	0.79	0.87	0.91	0.95	1.00	0.99	0.92	0.93	0.95	2.0%	3.0%	0.2%
Other Asia Pacific	1.76	1.77	1.74	1.81	2.28	2.85	2.91	2.92	2.71	2.86	5.5%	4.4%	0.7%
Total Asia Pacific	**47.39**	**47.86**	**48.63**	**49.75**	**51.81**	**54.52**	**56.23**	**58.87**	**61.15**	**65.03**	**6.3%**	**4.0%**	**16.8%**
Total World	**304.40**	**314.63**	**320.24**	**324.88**	**331.47**	**338.70**	**341.60**	**355.33**	**373.22**	**385.98**	**3.4%**	**2.5%**	**100.0%**
of which: OECD	108.53	110.49	113.57	114.63	119.20	123.02	124.17	128.03	137.32	145.73	6.1%	2.6%	37.8%
Non-OECD	195.87	204.15	206.66	210.25	212.27	215.68	217.43	227.30	235.91	240.25	1.8%	2.4%	62.2%
European Union #	17.75	15.82	14.78	14.60	13.29	12.09	11.97	11.54	10.58	9.77	-7.7%	-5.8%	2.5%

* Excludes gas flared or recycled. Includes natural gas produced for Gas-to-Liquids transformation.
^ Less than 0.05.
♦ Less than 0.05%
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: As the data above are derived directly from measures of energy content using average conversion factors, they do not necessarily equate with gas volumes expressed in specific national terms.
Annual changes and shares of total are calculated using billion cubic feet per day figures.

Source: Includes data from Cedigaz, FGE MENAgas service.

Contents

Natural Gas: Production*

Contents

Exajoules	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Canada	1.94	2.13	2.40	2.57	2.52	2.57	2.60	2.73	2.63	2.77	2.56	2.48	2.60	2.45	2.68	2.90	2.72
Mexico	0.40	0.39	0.41	0.44	0.47	0.47	0.46	0.49	0.62	0.75	0.90	0.97	1.04	1.05	1.03	1.00	0.89
US	20.57	21.16	21.09	21.07	20.14	18.65	18.50	18.58	18.50	19.06	18.90	18.71	17.39	15.76	17.10	16.12	15.71
Total North America	**22.91**	**23.67**	**23.90**	**24.08**	**23.12**	**21.69**	**21.56**	**21.80**	**21.75**	**22.59**	**22.37**	**22.16**	**21.03**	**19.25**	**20.81**	**20.02**	**19.31**
Argentina	0.21	0.23	0.22	0.24	0.25	0.27	0.26	0.27	0.27	0.25	0.29	0.31	0.34	0.46	0.47	0.49	0.54
Bolivia	^	^	0.04	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.09	0.10	0.10	0.10	0.09	0.09	0.09
Brazil	^	^	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.03	0.05	0.06	0.07	0.09	0.11
Colombia	0.04	0.05	0.06	0.06	0.06	0.05	0.05	0.06	0.08	0.09	0.10	0.11	0.12	0.13	0.13	0.13	0.13
Peru	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02
Trinidad & Tobago	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.09	0.09	0.10	0.11	0.14	0.14	0.15	0.15	0.16
Venezuela	0.31	0.30	0.30	0.37	0.39	0.38	0.47	0.51	0.51	0.57	0.59	0.59	0.63	0.62	0.69	0.69	0.76
Other S. & Cent. America	0.03	0.03	0.03	0.02	0.02	0.03	0.04	0.05	0.05	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
Total S. & Cent. America	**0.67**	**0.69**	**0.73**	**0.83**	**0.88**	**0.88**	**0.99**	**1.07**	**1.13**	**1.17**	**1.27**	**1.31**	**1.44**	**1.57**	**1.67**	**1.71**	**1.85**
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.04	0.07
Germany	0.43	0.53	0.64	0.71	0.74	0.69	0.71	0.71	0.73	0.73	0.67	0.68	0.60	0.66	0.65	0.62	0.50
Italy	0.45	0.46	0.49	0.53	0.53	0.50	0.54	0.47	0.47	0.46	0.43	0.48	0.49	0.44	0.47	0.48	0.54
Netherlands	1.01	1.39	1.85	2.25	2.67	2.89	3.09	3.10	2.84	2.98	2.88	2.67	2.29	2.43	2.46	2.58	2.36
Norway	-	-	-	-	-	-	-	0.09	0.51	0.74	0.90	0.89	0.86	0.84	0.93	0.94	0.93
Poland	0.18	0.19	0.20	0.20	0.20	0.20	0.22	0.23	0.25	0.22	0.19	0.17	0.16	0.15	0.17	0.17	0.16
Romania	0.78	0.84	0.86	0.91	0.93	1.02	1.11	1.17	1.18	1.13	1.17	1.23	1.24	1.23	1.22	1.17	1.18
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.46	1.35
United Kingdom	0.39	0.66	0.95	1.03	1.24	1.29	1.36	1.43	1.37	1.38	1.31	1.31	1.33	1.37	1.34	1.50	1.57
Other Europe	0.53	0.55	0.58	0.62	0.64	0.63	0.65	0.70	0.74	0.72	0.69	0.66	0.68	0.67	0.68	0.69	0.63
Total Europe	**3.78**	**4.61**	**5.56**	**6.25**	**6.94**	**7.22**	**7.68**	**7.91**	**8.09**	**8.36**	**8.23**	**8.09**	**7.64**	**7.81**	**7.93**	**9.64**	**9.30**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.49	0.48
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.17	0.18
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	15.30	16.65
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.83	2.89
USSR	6.75	7.24	7.55	8.06	8.89	9.86	10.94	11.80	12.69	13.87	14.84	15.87	17.07	18.27	20.03	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.18	1.32
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.03	0.03
Total CIS	**6.75**	**7.24**	**7.55**	**8.06**	**8.89**	**9.86**	**10.94**	**11.80**	**12.69**	**13.87**	**14.84**	**15.87**	**17.07**	**18.27**	**20.03**	**20.00**	**21.54**
Bahrain	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.09	0.08	0.13	0.14	0.14	0.17	0.19
Iran	0.13	0.30	0.41	0.45	0.47	0.49	0.50	0.51	0.32	0.31	0.16	0.18	0.24	0.28	0.32	0.35	0.33
Iraq	0.03	0.03	0.03	0.03	0.03	0.04	0.06	0.04	0.04	0.06	0.04	0.02	0.02	0.02	0.02	0.03	0.05
Kuwait	0.07	0.07	0.09	0.10	0.10	0.11	0.13	0.14	0.16	0.21	0.14	0.16	0.13	0.14	0.15	0.14	0.20
Oman	-	-	-	-	-	-	-	-	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.07
Qatar	0.04	0.04	0.04	0.06	0.05	0.07	0.04	0.06	0.06	0.16	0.18	0.16	0.19	0.20	0.22	0.20	0.22
Saudi Arabia	0.06	0.05	0.05	0.06	0.08	0.09	0.10	0.14	0.19	0.24	0.33	0.39	0.41	0.40	0.62	0.64	0.86
Syria	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.01	0.01
United Arab Emirates	0.03	0.05	0.05	0.06	0.06	0.06	0.07	0.14	0.20	0.21	0.26	0.31	0.33	0.29	0.39	0.46	0.53
Yemen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total Middle East	**0.37**	**0.58**	**0.72**	**0.82**	**0.86**	**0.95**	**0.99**	**1.12**	**1.08**	**1.32**	**1.23**	**1.33**	**1.49**	**1.50**	**1.92**	**2.07**	**2.48**
Algeria	0.09	0.09	0.12	0.16	0.18	0.22	0.28	0.27	0.41	0.68	0.55	0.64	0.84	1.20	1.22	1.34	1.37
Egypt	^	^	^	^	^	^	0.01	0.02	0.03	0.04	0.08	0.08	0.09	0.11	0.14	0.17	0.20
Libya	0.01	0.02	0.10	0.15	0.14	0.16	0.16	0.17	0.18	0.23	0.18	0.11	0.11	0.13	0.16	0.18	0.19
Nigeria	^	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.10	0.09	0.11
Other Africa	^	0.01	0.01	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04
Total Africa	**0.11**	**0.13**	**0.23**	**0.35**	**0.37**	**0.42**	**0.49**	**0.50**	**0.67**	**1.02**	**0.89**	**0.95**	**1.17**	**1.57**	**1.65**	**1.82**	**1.91**
Australia	0.06	0.09	0.13	0.17	0.19	0.21	0.25	0.28	0.30	0.35	0.40	0.43	0.42	0.46	0.45	0.48	0.53
Bangladesh	-	-	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.07	0.08	0.09	0.10
Brunei	0.01	0.01	0.02	0.07	0.15	0.19	0.26	0.29	0.29	0.30	0.30	0.29	0.29	0.31	0.31	0.30	0.30
China	0.10	0.14	0.18	0.22	0.27	0.32	0.37	0.44	0.50	0.53	0.52	0.46	0.43	0.44	0.45	0.47	0.50
India	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.04	0.07	0.09	0.11	0.13	0.16	0.22
Indonesia	0.05	0.05	0.04	0.06	0.06	0.09	0.09	0.21	0.40	0.58	0.68	0.69	0.70	0.80	1.07	1.18	1.23
Malaysia	-	^	^	^	0.01	0.01	0.01	0.01	0.09	0.11	0.09	0.08	0.10	0.24	0.36	0.40	0.54
Myanmar	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04
Pakistan	0.10	0.10	0.10	0.11	0.12	0.14	0.14	0.15	0.16	0.18	0.22	0.24	0.26	0.25	0.26	0.27	0.28
Thailand	-	-	-	-	-	-	-	-	-	-	-	0.01	0.05	0.06	0.09	0.12	0.13
Vietnam	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
Other Asia Pacific	0.20	0.22	0.24	0.25	0.26	0.25	0.28	0.32	0.30	0.27	0.28	0.27	0.28	0.29	0.32	0.35	0.37
Total Asia Pacific	**0.54**	**0.64**	**0.75**	**0.93**	**1.13**	**1.28**	**1.47**	**1.80**	**2.14**	**2.43**	**2.59**	**2.60**	**2.70**	**3.05**	**3.55**	**3.85**	**4.25**
Total World	**35.14**	**37.58**	**39.44**	**41.33**	**42.20**	**42.31**	**44.13**	**45.99**	**47.55**	**50.76**	**51.42**	**52.31**	**52.55**	**53.02**	**57.55**	**59.10**	**60.63**
of which: OECD	26.04	27.62	28.80	29.66	29.39	28.17	28.47	28.93	29.08	30.23	29.88	29.51	27.95	26.39	28.09	27.65	26.76
Non-OECD	9.10	9.97	10.64	11.67	12.81	14.14	15.66	17.06	18.47	20.52	21.54	22.79	24.60	26.63	29.46	31.45	33.87
European Union #	**3.74**	**4.57**	**5.51**	**6.19**	**6.88**	**7.16**	**7.61**	**7.73**	**7.50**	**7.54**	**7.25**	**7.12**	**6.70**	**6.88**	**6.92**	**7.14**	**6.90**

Exajoules	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Canada	2.95	3.40	3.62	3.72	3.92	4.32	4.75	5.15	5.50	5.54	5.75	5.96	6.14	6.35	6.46	6.51	6.34	6.36
Mexico	0.90	0.91	0.88	0.95	0.96	0.93	1.00	1.05	1.05	1.11	1.12	1.19	1.23	1.20	1.19	1.21	1.25	1.33
US	16.27	16.71	16.95	17.40	17.31	17.45	17.65	18.37	18.12	18.37	18.42	18.62	18.36	18.67	19.15	18.40	18.64	18.11
Total North America	**20.12**	**21.03**	**21.44**	**22.08**	**22.19**	**22.70**	**23.40**	**24.57**	**24.67**	**25.02**	**25.29**	**25.77**	**25.74**	**26.22**	**26.80**	**26.12**	**26.23**	**25.81**
Argentina	0.53	0.63	0.66	0.62	0.70	0.70	0.75	0.78	0.88	1.01	0.96	1.04	1.21	1.31	1.30	1.26	1.44	1.57
Bolivia	0.10	0.10	0.11	0.11	0.11	0.10	0.10	0.11	0.11	0.11	0.09	0.10	0.08	0.11	0.16	0.21	0.24	0.34
Brazil	0.12	0.12	0.12	0.11	0.12	0.13	0.16	0.17	0.19	0.21	0.22	0.23	0.28	0.28	0.28	0.34	0.37	0.41
Colombia	0.14	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.15	0.16	0.20	0.23	0.20	0.21	0.21	0.22	0.21	0.22
Peru	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03
Trinidad & Tobago	0.16	0.19	0.19	0.20	0.20	0.19	0.22	0.25	0.27	0.30	0.33	0.33	0.41	0.50	0.53	0.62	0.91	1.03
Venezuela	0.74	0.76	0.78	0.88	0.88	0.86	0.93	0.99	1.10	1.19	1.23	1.29	1.10	1.12	1.18	1.14	1.01	1.14
Other S. & Cent. America	0.04	0.05	0.07	0.09	0.09	0.10	0.08	0.11	0.10	0.11	0.10	0.10	0.12	0.13	0.14	0.13	0.12	0.13
Total S. & Cent. America	**1.85**	**2.00**	**2.09**	**2.17**	**2.25**	**2.25**	**2.40**	**2.56**	**2.81**	**3.10**	**3.15**	**3.33**	**3.41**	**3.66**	**3.82**	**3.93**	**4.31**	**4.86**
Denmark	0.09	0.09	0.12	0.12	0.15	0.15	0.17	0.18	0.20	0.24	0.29	0.28	0.29	0.31	0.31	0.32	0.30	0.36
Germany	0.57	0.53	0.55	0.54	0.55	0.56	0.56	0.59	0.61	0.66	0.64	0.63	0.67	0.64	0.64	0.64	0.67	0.62
Italy	0.55	0.56	0.58	0.59	0.59	0.62	0.66	0.69	0.68	0.69	0.67	0.66	0.60	0.57	0.53	0.51	0.48	0.45
Netherlands	2.36	2.09	2.28	2.28	2.58	2.59	2.64	2.51	2.55	2.88	2.55	2.44	2.27	2.21	2.33	2.29	2.19	2.58
Norway	1.01	1.01	1.03	0.91	0.89	0.92	0.89	0.96	0.99	1.34	1.53	1.58	1.73	1.78	1.93	2.34	2.61	2.83
Poland	0.16	0.16	0.15	0.10	0.11	0.11	0.14	0.13	0.13	0.13	0.13	0.14	0.13	0.14	0.15	0.15	0.15	0.16
Romania	1.12	1.10	0.99	0.96	0.84	0.74	0.70	0.62	0.60	0.58	0.50	0.47	0.47	0.46	0.45	0.44	0.44	0.43
Ukraine	1.21	1.10	1.05	0.96	0.83	0.72	0.65	0.62	0.58	0.58	0.59	0.57	0.58	0.57	0.58	0.64	0.66	0.70
United Kingdom	1.65	1.58	1.55	1.71	1.91	1.94	2.28	2.44	2.67	3.17	3.23	3.40	3.73	4.08	3.99	3.91	3.88	3.63
Other Europe	0.64	0.62	0.63	0.59	0.59	0.58	0.59	0.55	0.57	0.53	0.48	0.44	0.42	0.40	0.39	0.39	0.37	0.39
Total Europe	**9.36**	**8.84**	**8.91**	**8.76**	**9.05**	**8.92**	**9.28**	**9.29**	**9.59**	**10.80**	**10.64**	**10.60**	**10.89**	**11.16**	**11.30**	**11.62**	**11.74**	**12.15**
Azerbaijan	0.44	0.42	0.39	0.35	0.30	0.28	0.24	0.22	0.23	0.21	0.20	0.18	0.20	0.19	0.18	0.17	0.17	0.16
Kazakhstan	0.19	0.22	0.21	0.22	0.22	0.21	0.19	0.12	0.15	0.13	0.21	0.18	0.24	0.31	0.31	0.33	0.40	0.47
Russian Federation	18.02	19.53	20.39	21.59	21.29	21.32	20.47	20.11	19.48	19.88	18.85	19.49	19.60	19.33	19.25	19.71	20.54	20.97
Turkmenistan	3.00	3.01	3.06	2.85	2.74	1.81	2.12	1.16	1.05	1.14	0.56	0.43	0.74	1.53	1.67	1.74	1.92	1.90
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	1.36	1.36	1.40	1.33	1.36	1.38	1.46	1.53	1.56	1.59	1.63	1.78	1.81	1.83	1.85	1.90	1.91	1.94
Other CIS	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01
Total CIS	**23.04**	**24.56**	**25.47**	**26.35**	**25.94**	**25.02**	**24.50**	**23.16**	**22.49**	**22.97**	**21.46**	**22.08**	**22.60**	**23.20**	**23.28**	**23.86**	**24.96**	**25.45**
Bahrain	0.19	0.20	0.21	0.22	0.21	0.24	0.26	0.27	0.27	0.28	0.30	0.32	0.33	0.33	0.34	0.36	0.36	0.33
Iran	0.41	0.45	0.56	0.89	1.05	1.11	0.59	0.94	1.15	1.35	1.42	1.60	1.91	2.03	2.25	2.68	2.81	3.28
Iraq	0.13	0.19	0.22	0.14	0.06	0.08	0.09	0.11	0.11	0.11	0.10	0.10	0.11	0.11	0.09	0.08	0.05	0.03
Kuwait	0.16	0.23	0.28	0.14	0.02	0.09	0.19	0.20	0.32	0.32	0.32	0.32	0.30	0.33	0.32	0.30	0.34	0.37
Oman	0.08	0.08	0.08	0.09	0.09	0.10	0.09	0.10	0.14	0.15	0.17	0.18	0.18	0.37	0.56	0.60	0.66	0.67
Qatar	0.21	0.22	0.23	0.23	0.28	0.30	0.31	0.32	0.34	0.35	0.48	0.58	0.77	0.93	1.01	1.10	1.17	1.46
Saudi Arabia	0.92	1.00	1.02	1.15	1.20	1.31	1.37	1.46	1.47	1.52	1.55	1.60	1.58	1.70	1.84	1.94	2.05	2.25
Syria	0.01	0.03	0.05	0.06	0.07	0.07	0.07	0.07	0.09	0.10	0.15	0.20	0.19	0.19	0.20	0.22	0.23	0.21
United Arab Emirates	0.59	0.61	0.72	0.71	0.84	0.78	0.81	0.91	1.10	1.19	1.27	1.30	1.35	1.35	1.38	1.52	1.57	1.62
Yemen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05
Total Middle East	**2.70**	**3.01**	**3.37**	**3.63**	**3.82**	**4.08**	**3.78**	**4.40**	**4.99**	**5.37**	**5.78**	**6.21**	**6.73**	**7.35**	**8.00**	**8.80**	**9.27**	**10.28**
Algeria	1.55	1.62	1.75	1.86	2.01	2.09	2.11	1.94	2.21	2.35	2.69	2.89	3.24	3.31	3.11	3.20	3.38	3.31
Egypt	0.22	0.24	0.27	0.28	0.31	0.34	0.39	0.42	0.43	0.46	0.47	0.49	0.58	0.73	0.87	0.95	1.04	1.14
Libya	0.17	0.19	0.23	0.21	0.22	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.18	0.20	0.21	0.20	0.19	0.28
Nigeria	0.10	0.13	0.15	0.14	0.13	0.15	0.17	0.15	0.17	0.19	0.18	0.22	0.16	0.40	0.55	0.62	0.77	0.82
Other Africa	0.04	0.05	0.04	0.11	0.11	0.10	0.11	0.11	0.11	0.14	0.18	0.19	0.22	0.22	0.28	0.29	0.27	0.35
Total Africa	**2.08**	**2.22**	**2.44**	**2.60**	**2.78**	**2.91**	**3.00**	**2.84**	**3.14**	**3.36**	**3.75**	**3.99**	**4.38**	**4.86**	**5.03**	**5.26**	**5.65**	**5.91**
Australia	0.54	0.55	0.64	0.74	0.78	0.84	0.88	1.01	1.07	1.07	1.07	1.09	1.11	1.12	1.18	1.19	1.21	1.29
Bangladesh	0.12	0.14	0.15	0.16	0.17	0.18	0.21	0.22	0.24	0.26	0.26	0.28	0.30	0.33	0.37	0.38	0.41	0.44
Brunei	0.30	0.31	0.31	0.31	0.32	0.34	0.36	0.36	0.41	0.41	0.41	0.38	0.39	0.40	0.40	0.40	0.43	0.43
China	0.50	0.52	0.55	0.56	0.56	0.57	0.61	0.64	0.65	0.73	0.82	0.84	0.91	0.99	1.10	1.19	1.27	1.50
India	0.25	0.29	0.35	0.42	0.46	0.52	0.53	0.57	0.65	0.71	0.77	0.85	0.87	0.91	0.92	0.96	1.02	1.01
Indonesia	1.31	1.43	1.51	1.60	1.76	1.87	1.94	2.21	2.22	2.34	2.40	2.36	2.56	2.54	2.47	2.72	2.85	2.73
Malaysia	0.59	0.61	0.66	0.65	0.77	0.81	0.87	0.92	1.02	1.30	1.49	1.48	1.52	1.79	1.76	1.82	1.90	2.17
Myanmar	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.05	0.06	0.06	0.05	0.06	0.06	0.12	0.25	0.30	0.34	0.36
Pakistan	0.30	0.32	0.34	0.37	0.40	0.39	0.45	0.46	0.47	0.51	0.51	0.54	0.61	0.65	0.68	0.74	0.92	1.10
Thailand	0.19	0.22	0.22	0.24	0.30	0.32	0.36	0.40	0.42	0.49	0.60	0.65	0.72	0.75	0.73	0.76	0.80	0.83
Vietnam	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.08	0.14
Other Asia Pacific	0.37	0.38	0.22	0.29	0.29	0.30	0.30	0.29	0.28	0.31	0.32	0.30	0.32	0.34	0.36	0.40	0.39	0.38
Total Asia Pacific	**4.52**	**4.83**	**4.98**	**5.37**	**5.85**	**6.18**	**6.55**	**7.14**	**7.50**	**8.19**	**8.72**	**8.86**	**9.41**	**9.99**	**10.28**	**10.95**	**11.64**	**12.40**
Total World	**63.67**	**66.48**	**68.71**	**70.95**	**71.88**	**72.07**	**72.91**	**73.96**	**75.18**	**78.80**	**78.78**	**80.84**	**83.16**	**86.44**	**88.51**	**90.54**	**93.79**	**96.86**
of which: OECD	27.82	28.36	29.06	29.87	30.58	31.27	32.43	33.88	34.37	35.99	36.18	36.68	36.98	37.78	38.57	38.17	38.36	38.40
Non-OECD	35.86	38.12	39.64	41.08	41.29	40.80	40.48	40.08	40.81	42.81	42.60	44.16	46.18	48.65	49.94	52.37	55.43	58.46
European Union #	**7.01**	**6.60**	**6.72**	**6.85**	**7.29**	**7.24**	**7.70**	**7.67**	**7.97**	**8.85**	**8.48**	**8.41**	**8.53**	**8.76**	**8.76**	**8.61**	**8.44**	**8.58**

Exajoules	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	6.45	6.46	6.29	5.99	5.58	5.39	5.44	5.41	5.47	5.72	5.79	6.18	6.32	6.45	**6.23**	-3.3%	0.7%	4.3%
Mexico	1.60	1.74	1.69	1.70	1.89	1.84	1.88	1.83	1.89	1.85	1.73	1.57	1.38	1.27	**1.22**	-3.4%	-2.9%	0.9%
US	17.62	18.06	18.79	19.66	20.07	20.71	22.22	23.37	23.60	25.37	26.65	26.18	26.86	30.09	**33.15**	10.2%	4.3%	23.1%
Total North America	**25.66**	**26.26**	**26.76**	**27.35**	**27.55**	**27.93**	**29.54**	**30.61**	**30.96**	**32.94**	**34.16**	**33.94**	**34.56**	**37.80**	**40.61**	**7.4%**	**3.3%**	**28.3%**
Argentina	1.60	1.61	1.57	1.54	1.45	1.40	1.36	1.32	1.24	1.24	1.28	1.34	1.34	1.42	**1.50**	5.6%	-0.8%	1.0%
Bolivia	0.42	0.45	0.48	0.50	0.43	0.49	0.54	0.62	0.70	0.73	0.70	0.68	0.66	0.61	**0.54**	-12.2%	2.1%	0.4%
Brazil	0.40	0.41	0.42	0.52	0.44	0.54	0.62	0.71	0.79	0.84	0.86	0.87	0.98	0.91	**0.93**	2.6%	5.8%	0.6%
Colombia	0.23	0.24	0.26	0.31	0.36	0.39	0.38	0.41	0.48	0.44	0.42	0.43	0.44	0.46	**0.47**	2.6%	4.0%	0.3%
Peru	0.05	0.06	0.09	0.13	0.13	0.26	0.41	0.43	0.45	0.47	0.46	0.50	0.47	0.46	**0.49**	5.6%	13.8%	0.3%
Trinidad & Tobago	1.08	1.28	1.36	1.35	1.39	1.45	1.39	1.39	1.39	1.37	1.29	1.13	1.15	1.22	**1.24**	1.8%	-1.0%	0.9%
Venezuela	1.10	1.26	1.34	1.20	1.14	1.10	1.09	1.15	1.10	1.14	1.30	1.34	1.39	1.14	**0.95**	-16.3%	-0.6%	0.7%
Other S. & Cent. America	0.14	0.15	0.14	0.14	0.14	0.14	0.11	0.11	0.10	0.09	0.10	0.11	0.11	0.12	**0.13**	5.2%	-1.5%	0.1%
Total S. & Cent. America	**5.02**	**5.47**	**5.66**	**5.68**	**5.48**	**5.78**	**5.91**	**6.14**	**6.26**	**6.34**	**6.41**	**6.40**	**6.53**	**6.34**	**6.25**	**-1.5%**	**1.1%**	**4.4%**
Denmark	0.39	0.39	0.35	0.38	0.32	0.31	0.25	0.22	0.18	0.17	0.17	0.17	0.18	0.15	**0.12**	-25.4%	-8.5%	0.1%
Germany	0.60	0.59	0.54	0.49	0.46	0.40	0.38	0.34	0.31	0.29	0.27	0.25	0.23	0.20	**0.19**	-3.8%	-8.6%	0.1%
Italy	0.42	0.38	0.34	0.32	0.27	0.29	0.29	0.30	0.27	0.25	0.23	0.20	0.19	0.19	**0.17**	-10.9%	-5.2%	0.1%
Netherlands	2.35	2.32	2.23	2.55	2.36	2.71	2.50	2.46	2.61	2.17	1.65	1.59	1.39	1.16	**1.01**	-13.0%	-7.6%	0.7%
Norway	3.07	3.17	3.23	3.58	3.73	3.83	3.62	4.10	3.89	3.89	4.18	4.17	4.44	4.37	**4.12**	-5.7%	2.0%	2.9%
Poland	0.16	0.16	0.16	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.14	**0.14**	0.1%	-0.7%	0.1%
Romania	0.41	0.40	0.39	0.38	0.37	0.36	0.36	0.36	0.36	0.37	0.37	0.33	0.36	0.36	**0.35**	-2.8%	-0.5%	0.2%
Ukraine	0.71	0.72	0.72	0.73	0.73	0.70	0.70	0.70	0.73	0.73	0.68	0.68	0.70	0.71	**0.71**	-0.5%	-0.3%	0.5%
United Kingdom	3.32	3.01	2.72	2.62	2.20	2.08	1.66	1.41	1.33	1.35	1.46	1.50	1.51	1.46	**1.43**	-2.2%	-5.7%	1.0%
Other Europe	0.37	0.39	0.36	0.34	0.33	0.34	0.33	0.30	0.26	0.23	0.22	0.31	0.32	0.30	**0.27**	-12.9%	-1.1%	0.2%
Total Europe	**11.79**	**11.53**	**11.03**	**11.54**	**10.93**	**11.17**	**10.25**	**10.35**	**10.08**	**9.60**	**9.39**	**9.36**	**9.46**	**9.04**	**8.49**	**-6.1%**	**-2.4%**	**5.9%**
Azerbaijan	0.20	0.24	0.38	0.57	0.57	0.59	0.57	0.61	0.63	0.66	0.68	0.66	0.64	0.69	**0.88**	27.7%	1.8%	0.6%
Kazakhstan	0.53	0.55	0.57	0.66	0.68	0.74	0.72	0.71	0.77	0.78	0.79	0.83	0.84	0.86	**0.84**	-2.2%	2.7%	0.6%
Russian Federation	21.22	21.77	21.66	22.01	19.30	21.54	22.21	21.67	22.12	21.28	21.04	21.21	22.88	24.09	**24.45**	1.5%	0.9%	17.0%
Turkmenistan	2.05	2.04	2.22	2.22	1.20	1.44	2.03	2.12	2.12	2.29	2.37	2.28	2.11	2.21	**2.27**	2.7%	♦	1.6%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	1.97	2.04	2.12	2.20	2.10	2.06	2.04	2.03	2.01	2.03	1.93	1.91	1.92	2.06	**2.03**	-1.6%	-0.7%	1.4%
Other CIS	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	2.0%	0.2%	♦
Total CIS	**25.97**	**26.64**	**26.96**	**27.67**	**23.87**	**26.38**	**27.58**	**27.16**	**27.67**	**27.05**	**26.82**	**26.90**	**28.41**	**29.92**	**30.47**	**1.9%**	**0.8%**	**21.2%**
Bahrain	0.37	0.39	0.40	0.43	0.44	0.45	0.45	0.47	0.50	0.53	0.53	0.52	0.52	0.53	**0.61**	15.4%	2.0%	0.4%
Iran	3.48	3.79	4.25	4.45	4.89	5.18	5.44	5.65	5.67	6.32	6.61	7.18	7.90	8.58	**8.79**	2.4%	6.8%	6.1%
Iraq	0.05	0.05	0.16	0.23	0.25	0.26	0.23	0.23	0.25	0.27	0.26	0.36	0.36	0.38	**0.39**	1.9%	5.1%	0.3%
Kuwait	0.42	0.42	0.39	0.43	0.39	0.40	0.46	0.53	0.56	0.51	0.58	0.59	0.58	0.61	**0.66**	9.2%	3.4%	0.5%
Oman	0.75	0.87	0.89	0.87	0.86	0.93	0.98	1.02	1.11	1.06	1.11	1.13	1.16	1.30	**1.31**	0.9%	4.1%	0.9%
Qatar	1.71	1.89	2.35	2.87	3.33	4.43	5.41	5.85	6.05	6.10	6.30	6.25	6.07	6.35	**6.41**	0.9%	8.3%	4.5%
Saudi Arabia	2.44	2.51	2.55	2.75	2.68	3.00	3.16	3.40	3.42	3.50	3.57	3.79	3.93	4.04	**4.09**	1.4%	3.9%	2.8%
Syria	0.21	0.21	0.20	0.20	0.22	0.30	0.27	0.22	0.18	0.17	0.15	0.13	0.13	0.13	**0.13**	3.6%	-4.3%	0.1%
United Arab Emirates	1.68	1.71	1.77	1.76	1.71	1.80	1.84	1.91	1.92	1.90	2.11	2.17	2.24	2.21	**2.25**	1.9%	2.3%	1.6%
Yemen	-	-	-	-	0.03	0.23	0.34	0.27	0.37	0.35	0.10	0.02	0.02	0.02	**0.02**	0.8%	n/a	♦
Other Middle East	0.06	0.09	0.10	0.12	0.10	0.12	0.15	0.09	0.23	0.26	0.29	0.33	0.34	0.36	**0.37**	0.1%	11.3%	0.3%
Total Middle East	**11.16**	**11.94**	**13.06**	**14.12**	**14.90**	**17.09**	**18.72**	**19.64**	**20.26**	**20.98**	**21.61**	**22.46**	**23.28**	**24.51**	**25.03**	**2.1%**	**5.7%**	**17.4%**
Algeria	3.06	2.93	2.94	2.97	2.76	2.79	2.87	2.82	2.86	2.89	2.93	3.29	3.35	3.38	**3.10**	-8.1%	1.3%	2.2%
Egypt	1.47	1.90	1.93	2.04	2.17	2.12	2.13	2.11	1.94	1.69	1.53	1.45	1.76	2.11	**2.34**	10.9%	0.3%	1.6%
Libya	0.39	0.45	0.52	0.54	0.54	0.58	0.27	0.42	0.44	0.43	0.40	0.34	0.31	0.30	**0.34**	14.0%	-5.8%	0.2%
Nigeria	0.83	0.97	1.21	1.18	0.83	1.11	1.31	1.41	1.19	1.44	1.71	1.53	1.70	1.74	**1.77**	2.1%	3.9%	1.2%
Other Africa	0.41	0.42	0.44	0.60	0.61	0.69	0.69	0.68	0.71	0.71	0.77	0.80	0.96	0.98	**1.01**	2.7%	5.1%	0.7%
Total Africa	**6.16**	**6.66**	**7.05**	**7.34**	**6.92**	**7.28**	**7.26**	**7.44**	**7.14**	**7.15**	**7.34**	**7.41**	**8.07**	**8.50**	**8.57**	**0.7%**	**1.5%**	**6.0%**
Australia	1.38	1.46	1.54	1.50	1.68	1.94	2.00	2.14	2.22	2.40	2.74	3.47	4.06	4.68	**5.52**	18.0%	12.1%	3.8%
Bangladesh	0.48	0.52	0.55	0.59	0.67	0.69	0.70	0.77	0.79	0.83	0.93	0.95	0.96	0.96	**1.03**	8.0%	5.0%	0.7%
Brunei	0.42	0.44	0.43	0.43	0.40	0.43	0.45	0.44	0.43	0.46	0.48	0.47	0.46	0.45	**0.47**	3.3%	0.6%	0.3%
China	1.79	2.12	2.51	2.91	3.09	3.48	3.82	4.01	4.39	4.72	4.88	4.97	5.37	5.82	**6.39**	9.9%	7.2%	4.5%
India	1.03	1.01	1.04	1.06	1.30	1.71	1.55	1.34	1.12	1.06	1.01	0.96	1.00	0.99	**0.97**	-2.1%	-0.7%	0.7%
Indonesia	2.75	2.71	2.61	2.69	2.81	3.13	2.98	2.82	2.79	2.75	2.74	2.70	2.62	2.62	**2.43**	-7.2%	-0.3%	1.7%
Malaysia	2.44	2.43	2.43	2.49	2.38	2.34	2.41	2.49	2.61	2.60	2.77	2.76	2.82	2.78	**2.84**	2.0%	1.1%	2.0%
Myanmar	0.43	0.45	0.48	0.44	0.41	0.44	0.45	0.45	0.46	0.60	0.69	0.66	0.64	0.61	**0.61**	-	3.4%	0.4%
Pakistan	1.17	1.20	1.22	1.25	1.25	1.27	1.27	1.32	1.28	1.26	1.26	1.25	1.25	1.23	**1.22**	-1.0%	-0.1%	0.8%
Thailand	0.88	0.91	0.97	1.07	1.06	1.21	1.22	1.38	1.40	1.41	1.35	1.34	1.29	1.25	**1.29**	3.0%	1.5%	0.9%
Vietnam	0.22	0.24	0.25	0.26	0.28	0.33	0.29	0.32	0.34	0.35	0.37	0.37	0.34	0.35	**0.35**	2.0%	2.9%	0.2%
Other Asia Pacific	0.41	0.52	0.62	0.66	0.67	0.65	0.66	0.65	0.67	0.85	1.06	1.09	1.09	1.01	**1.07**	5.5%	4.4%	0.7%
Total Asia Pacific	**13.39**	**14.02**	**14.65**	**15.35**	**16.01**	**17.63**	**17.81**	**18.14**	**18.51**	**19.28**	**20.28**	**20.98**	**21.90**	**22.75**	**24.20**	**6.3%**	**4.0%**	**16.8%**
Total World	**99.16**	**102.53**	**105.16**	**109.06**	**105.66**	**113.26**	**117.07**	**119.48**	**120.88**	**123.33**	**126.02**	**127.45**	**132.21**	**138.87**	**143.62**	**3.4%**	**2.4%**	**100.0%**
of which: OECD	38.03	38.45	38.57	39.66	39.42	40.38	41.11	42.37	42.65	44.35	45.77	46.33	47.64	51.09	**54.22**	6.1%	2.6%	37.8%
Non-OECD	61.13	64.08	66.59	69.40	66.24	72.88	75.96	77.11	78.23	78.98	80.25	81.12	84.57	87.78	**89.39**	1.8%	2.4%	62.2%
European Union #	**7.98**	**7.60**	**7.04**	**7.19**	**6.44**	**6.60**	**5.89**	**5.51**	**5.43**	**4.94**	**4.50**	**4.47**	**4.29**	**3.94**	**3.63**	-7.7%	-5.8%	2.5%

* Excludes gas flared or recycled. Includes natural gas produced for Gas-to-Liquids transformation.
^ Less than 0.005.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and shares of total are calculated using exajoules figures.

Source: Includes data from Cedigaz. FGE MENAgas service.

Natural Gas: Consumption*

Contents

Billion cubic metres	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Canada	21.7	23.7	25.2	28.1	31.3	34.6	37.0	41.6	44.2	44.7	46.2	46.6	48.8	49.3	50.1	49.7	48.3	51.1	48.7
Mexico	8.1	8.5	7.3	7.9	9.7	10.0	10.4	11.1	12.3	12.9	13.1	12.9	13.6	17.1	20.8	22.3	24.2	26.0	26.8
US	415.9	448.3	473.3	506.7	545.4	574.9	592.7	598.7	593.8	573.2	526.2	536.6	525.7	527.5	545.1	533.7	520.9	484.2	454.2
Total North America	445.7	480.5	505.8	542.6	586.5	619.5	640.0	651.4	650.3	630.8	585.5	596.1	588.1	594.0	615.9	605.8	593.3	561.3	529.8
Argentina	4.1	4.5	4.7	5.2	5.2	5.9	6.3	7.1	8.1	8.5	8.8	9.9	10.3	10.0	10.3	11.2	11.7	13.3	14.3
Brazil	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.4	0.5	0.6	0.8	0.9	1.0	0.9	1.3	1.8
Chile	0.6	0.6	0.6	0.5	0.6	0.6	0.7	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8
Colombia	0.9	0.9	1.2	1.2	1.3	1.2	1.3	1.6	1.6	1.7	1.6	1.7	1.9	2.4	2.6	2.8	3.1	3.3	3.7
Ecuador	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	0.1	0.1	0.1
Peru	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.5
Trinidad & Tobago	1.1	1.3	1.5	1.6	1.6	1.9	1.9	1.9	1.8	1.7	1.5	1.7	2.0	2.4	2.5	2.8	3.1	3.8	3.9
Venezuela	7.5	7.9	8.6	8.9	9.2	8.6	8.3	8.2	10.2	10.7	10.4	12.9	14.1	14.3	16.0	16.4	16.5	17.6	17.4
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Caribbean	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Other South America	0.1	0.1	0.1	0.1	0.1	^	^	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Total S. & Cent. America	14.8	15.8	17.0	17.9	18.4	18.8	19.1	20.2	23.0	24.3	24.2	28.3	30.5	31.5	33.9	36.1	37.2	41.3	42.8
Austria	1.8	1.9	1.8	1.9	2.3	2.8	3.3	3.5	3.9	4.2	4.2	4.8	4.9	5.0	5.0	4.8	4.6	4.4	4.5
Belgium	0.1	0.1	0.5	1.2	2.5	4.0	5.5	6.9	8.3	9.7	9.6	10.2	10.0	9.9	10.8	10.4	9.6	8.0	8.3
Bulgaria	0.1	0.1	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.4	1.1	2.0	2.5	2.7	2.9	3.7	4.0	4.5	4.7
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	0.4	0.4	0.5	0.7	0.7	0.8	1.0	1.1	1.2	1.4	1.7	1.8	2.1	2.3	2.6	3.0	3.0	3.2	3.8
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	-	-	-	-	-	-	-	-	-	0.4	0.7	0.9	0.9	1.0	1.0	0.9	0.7	0.7	0.7
France	5.0	5.3	6.0	7.2	8.4	9.6	11.3	13.4	15.7	16.4	18.3	19.6	20.5	21.9	24.2	25.2	25.6	24.6	26.2
Germany	3.1	3.7	4.8	7.9	11.2	16.0	21.1	27.3	35.2	44.1	46.5	49.2	52.3	56.0	61.9	61.1	58.4	54.2	56.3
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1
Hungary	1.4	1.7	2.2	2.7	3.2	3.6	3.8	4.1	4.9	5.2	5.7	6.9	7.4	8.1	8.6	9.3	9.5	9.9	9.9
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.8	1.2	1.8	1.9
Italy	7.4	8.1	8.8	10.3	11.3	12.2	12.6	14.5	16.3	18.3	21.1	25.6	26.1	25.7	26.4	26.2	25.4	25.3	26.0
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	-	-	-	-	^	^	^	0.1	0.2	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.3	0.3
Netherlands	1.5	2.9	5.1	8.5	12.5	17.6	23.1	30.0	33.4	35.5	37.0	38.4	38.6	38.7	38.5	35.2	33.5	32.0	34.2
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	-	-	-	-	-	-	-	-	-	-	-	-	0.4	0.7	0.8	0.8	1.0	1.1	1.2
Poland	1.7	2.0	2.5	3.4	4.7	6.0	6.6	7.0	7.3	7.5	8.0	8.5	9.1	9.5	10.0	10.2	9.6	9.6	9.8
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	14.0	15.1	16.7	17.7	20.5	21.3	22.8	23.1	24.5	25.2	27.4	30.2	32.0	33.1	31.9	33.1	34.8	35.4	35.3
Slovakia	0.3	0.3	0.4	0.9	0.9	1.2	1.5	1.7	1.8	2.2	2.5	2.8	3.2	3.6	3.7	2.7	2.8	2.9	3.0
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	-	-	-	-	0.1	0.1	0.4	1.2	1.1	1.4	1.5	1.7	1.6	1.6	1.6	2.0	2.3	2.5	2.8
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Switzerland	-	-	-	-	^	^	0.1	0.1	0.2	0.3	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.1
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	0.9	0.8	1.4	3.2	6.2	11.8	19.1	27.1	29.3	35.0	36.7	38.9	41.4	42.9	47.0	46.9	47.5	47.3	49.3
Other Europe	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.5	1.6	1.7	1.8	2.0	2.1	2.3	2.7	3.3	3.2	4.0	4.3
Total Europe	37.9	42.9	51.4	66.6	86.0	108.5	133.7	162.7	184.9	209.4	224.9	244.5	256.0	266.3	281.2	280.9	278.1	272.8	283.7
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	121.7	135.7	149.4	161.4	172.4	189.5	207.1	217.8	236.9	251.2	274.1	301.6	323.2	344.6	365.9	377.1	399.3	431.0	462.2
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	121.7	135.7	149.4	161.4	172.4	189.5	207.1	217.8	236.9	251.2	274.1	301.6	323.2	344.6	365.9	377.1	399.3	431.0	462.2
Iran	0.8	0.8	0.9	0.9	1.1	2.6	3.0	3.4	4.1	4.2	4.3	4.8	4.9	3.8	5.1	4.5	4.9	6.7	7.7
Iraq	0.5	0.6	0.5	0.5	0.7	0.7	0.9	0.9	0.9	0.8	1.2	1.7	1.1	1.2	1.7	1.2	0.6	0.6	0.4
Israel	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	^	0.1
Kuwait	1.7	2.3	2.6	3.2	3.5	1.9	2.0	2.4	2.6	2.8	3.1	3.7	4.0	4.5	5.9	3.9	4.4	3.5	3.8
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.5	0.6	0.8	0.8	1.0
Qatar	0.1	0.1	0.1	0.5	0.9	1.0	1.0	1.1	1.6	1.3	2.1	1.1	1.6	1.5	4.5	4.9	4.5	5.2	5.4
Saudi Arabia	0.6	0.7	0.9	1.0	1.3	1.5	1.3	1.5	1.7	2.2	2.6	2.8	3.9	5.4	6.6	9.2	10.8	11.4	11.1
United Arab Emirates	-	-	0.4	0.6	0.6	0.8	1.3	1.3	1.7	1.8	1.6	1.9	3.3	3.9	4.3	4.8	6.1	6.4	5.8
Other Middle East	^	0.1	0.1	0.3	0.3	0.7	0.9	1.2	1.7	2.1	2.2	2.3	2.5	2.8	3.0	2.5	2.3	3.6	3.8
Total Middle East	3.8	4.6	5.5	7.1	8.5	9.4	10.5	11.9	14.4	15.1	17.0	18.4	21.4	23.4	31.7	31.7	34.3	38.4	39.3
Algeria	0.7	0.8	0.7	0.8	1.0	1.0	1.1	1.3	1.8	2.1	2.8	3.4	3.6	5.8	8.2	10.9	14.2	16.1	17.7
Egypt	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	0.4	0.4	0.7	1.1	2.1	2.3	2.6	3.0
Morocco	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
South Africa	-	-	-	-	-	-	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Eastern Africa	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Middle Africa	^	^	^	^	^	0.1	0.1	0.2	0.5	0.6	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.4
Western Africa	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.6	0.8	1.0	1.3	1.6	2.3	2.4	2.8
Other Northern Africa	^	^	^	^	^	0.3	0.2	0.6	1.0	1.2	1.7	1.4	1.6	1.9	4.0	3.5	3.3	2.9	3.0
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	1.0	1.1	1.1	1.1	1.2	1.6	1.8	2.5	4.0	4.5	5.4	6.1	6.8	9.7	14.9	18.7	22.8	24.7	27.1
Australia	^	^	^	^	0.4	1.7	2.6	3.7	4.7	5.4	5.8	6.8	7.8	8.4	9.6	11.1	12.0	11.7	12.7
Bangladesh	-	-	-	-	-	-	-	0.4	0.6	0.7	0.7	0.9	1.0	1.1	1.3	1.4	1.4	1.8	2.0
China	1.1	1.4	1.5	1.4	2.0	2.9	3.8	4.9	6.0	7.6	8.9	10.2	12.2	13.8	14.6	14.4	12.8	12.0	12.3
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.7	0.7	0.8	1.1	1.3	1.4	1.5	1.9	1.1	2.0	2.6	3.1
Indonesia	0.5	0.5	0.6	0.6	1.2	1.3	1.3	1.2	0.8	1.1	2.4	2.4	5.1	5.9	7.6	7.1	7.1	6.8	9.1
Japan	1.8	1.9	1.9	2.1	2.3	3.6	3.8	3.8	5.3	7.3	8.7	10.5	12.8	17.9	21.3	25.2	25.2	25.8	27.8
Malaysia	-	-	-	-	-	^	0.1	0.1	0.1	0.2	0.3	0.3	0.3	2.4	2.9	2.6	2.2	2.8	3.9
New Zealand	-	-	-	-	-	0.1	0.1	0.2	0.2	0.3	0.3	0.9	1.4	1.4	0.9	0.8	1.0	1.8	2.0
Pakistan	1.5	1.7	1.9	2.2	2.7	2.9	2.9	2.7	3.1	3.4	3.8	3.9	4.2	4.4	4.9	6.0	6.5	7.1	7.0
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	0.2	0.3	0.3	0.5	0.6	0.6	1.1	1.3	1.5	1.6	1.6	2.0	2.1	2.1	2.0	2.0	1.7	1.3	1.4
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	1.4	1.7
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.1
Other Asia Pacific	0.2	0.3	0.5	0.5	0.6	0.6	0.6	0.5	1.1	1.8	1.6	1.5	1.7	1.2	1.6	1.8	2.1	2.2	2.5
Total Asia Pacific	5.6	6.2	7.1	7.8	10.3	14.2	17.0	19.6	24.2	30.2	35.1	40.6	50.0	60.0	68.5	73.6	74.4	77.4	85.4
Total World	630.4	686.9	737.4	804.4	883.3	961.5	1029.2	1086.1	1137.7	1165.6	1166.1	1235.5	1276.1	1329.5	1412.0	1423.8	1439.5	1446.9	1470.3
of which: OECD	471.6	510.4	542.4	593.3	654.3	711.5	756.6	797.7	819.7	826.4	795.3	825.2	830.2	850.5	892.1	884.3	868.3	830.4	812.6
Non-OECD	158.7	176.5	195.0	211.1	229.0	250.0	272.6	288.4	317.9	339.3	370.8	410.3	445.8	479.1	519.9	539.5	571.2	616.5	657.7
European Union #	37.6	42.5	50.9	66.0	85.2	107.5	132.4	161.1	183.2	207.4	222.5	241.9	252.9	262.6	276.9	275.9	272.9	266.6	277.0

Billion cubic metres	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Canada	54.1	56.8	54.6	55.3	60.8	65.8	63.8	64.2	68.1	72.2	74.8	77.3	78.6	80.1	78.8	84.2	89.2	84.0	87.5	89.8	87.8	86.5	85.2
Mexico	26.9	27.5	24.5	24.9	25.4	24.8	26.8	28.2	28.2	28.3	30.1	30.7	31.3	31.4	33.5	33.8	35.9	36.2	41.1	44.5	48.0	52.7	58.3
US	485.2	467.0	437.6	465.3	486.6	517.0	517.1	528.4	546.4	559.9	573.1	598.0	608.9	612.5	602.2	604.3	628.4	600.7	620.1	602.2	604.6	595.2	586.6
Total North America	566.1	551.2	516.7	545.5	572.8	607.6	607.6	620.8	642.6	660.5	678.0	705.9	718.7	724.1	714.4	722.2	753.5	720.9	748.6	736.5	740.5	734.5	730.1
Argentina	15.2	15.6	16.8	16.8	19.7	20.7	19.7	20.1	21.7	22.9	23.6	26.2	30.1	27.8	29.7	31.5	32.3	30.2	29.4	33.6	36.8	39.3	40.7
Brazil	2.1	2.6	3.0	3.3	3.4	3.5	3.1	3.3	3.7	4.3	4.7	5.2	5.8	6.3	6.6	7.8	9.7	12.3	14.5	16.2	19.3	20.1	21.2
Chile	0.8	0.8	0.7	0.7	1.0	1.5	1.7	1.9	2.2	2.3	2.2	2.1	2.1	2.9	4.0	5.4	7.0	8.0	8.0	8.7	9.4	9.1	8.4
Colombia	3.6	3.6	3.7	3.8	3.8	3.6	3.7	3.9	3.8	3.9	3.9	4.1	4.5	5.7	6.6	5.7	5.7	5.9	6.0	5.7	6.1	6.4	6.8
Ecuador	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.2	0.5	0.6	0.6
Peru	0.7	0.5	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.4	0.3	0.4	0.4	0.5	0.8	1.5	1.7
Trinidad & Tobago	4.1	4.2	4.3	4.6	5.3	5.3	5.5	5.5	5.3	6.0	6.9	7.4	8.3	9.0	9.0	9.3	9.8	10.9	11.7	13.5	14.9	16.4	19.3
Venezuela	19.2	19.2	21.2	20.6	21.1	21.7	24.4	24.3	24.0	25.9	27.4	30.5	33.0	34.2	35.9	30.4	31.0	32.8	31.5	28.0	31.5	30.4	34.9
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Caribbean	^	^	^	^	^	0.1	0.1	^	^	^	^	^	^	0.1	0.2	0.5	1.0	1.3	1.3	1.7	1.6	1.7	2.2
Other South America	0.2	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.8	1.0	1.1	1.1	1.0	1.2	1.2	1.1	1.0	1.1	1.3	1.4	1.7	1.8
Total S. & Cent. America	46.2	47.1	50.9	51.1	55.5	57.5	59.6	60.5	62.3	67.0	70.4	77.4	85.7	87.5	93.8	92.5	98.3	103.2	104.2	109.6	122.4	127.1	137.5
Austria	5.0	5.4	5.2	5.5	5.2	5.6	6.2	6.6	6.4	6.8	7.0	7.6	8.1	7.8	8.0	8.2	7.8	8.3	8.1	9.0	9.0	9.5	9.0
Belgium	8.5	8.6	7.7	8.5	8.4	9.3	9.6	10.2	10.5	11.0	11.3	12.5	13.8	13.2	14.5	15.4	15.5	15.3	15.8	16.9	17.2	16.9	17.4
Bulgaria	4.9	5.4	5.3	5.9	5.8	5.9	6.3	5.3	4.7	4.4	4.4	5.3	5.4	4.3	3.6	3.1	3.4	2.9	2.5	2.7	2.6	3.3	3.4
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	2.6	2.4	2.5	2.6	2.4	2.2	2.5	2.6	2.5	2.5	2.6	2.7	2.8	2.7	2.8	2.7	2.7
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	4.0	4.9	5.2	5.7	5.7	5.9	6.1	5.9	6.7	6.9	6.7	7.6	8.8	8.9	8.9	9.0	8.7	9.3	9.0	9.1	9.1	9.0	8.8
Denmark	0.1	0.7	1.2	1.5	1.9	2.0	2.1	2.4	2.6	2.9	3.2	3.7	4.4	4.6	4.9	5.2	5.1	5.3	5.4	5.4	5.4	5.2	5.3
Estonia	n/a	1.0	1.0	1.0	1.1	1.1	1.4	1.4	0.8	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.8	0.9	0.9	0.9
Finland	0.7	0.9	1.1	1.5	1.6	2.1	2.5	2.7	2.8	2.9	3.1	3.3	3.4	3.4	3.9	3.9	3.9	4.3	4.2	4.7	4.5	4.1	4.4
France	26.7	28.6	28.7	29.1	28.9	28.3	30.3	33.2	33.1	33.9	32.3	34.4	38.0	36.4	38.9	39.6	41.6	43.7	43.6	45.7	46.7	47.7	46.1
Germany	58.8	58.1	58.0	62.9	61.9	63.3	63.7	66.9	66.2	70.0	71.3	77.7	87.0	83.1	83.9	83.6	82.9	87.4	87.3	88.4	88.8	90.3	92.0
Greece	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.8	1.5	2.0	1.9	2.1	2.4	2.6	2.6	3.1
Hungary	10.1	10.3	10.9	10.8	10.7	10.9	10.4	10.3	9.0	9.7	9.8	10.7	11.9	11.3	11.4	11.5	11.2	12.5	12.6	13.8	13.6	14.1	13.3
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	2.0	2.1	1.5	1.5	1.8	2.0	2.2	2.2	2.2	2.5	2.6	2.7	3.1	3.2	3.3	3.5	4.0	4.2	4.3	4.3	4.2	4.0	4.6
Italy	30.7	31.2	33.0	36.6	39.7	42.9	45.4	48.3	47.8	48.8	47.1	51.9	53.6	55.6	59.9	65.1	67.9	68.1	67.6	74.5	77.3	82.8	81.1
Latvia	n/a	2.1	2.2	2.3	2.5	2.5	2.6	2.5	1.4	0.9	0.9	1.1	1.0	1.0	1.1	1.1	1.3	1.3	1.5	1.5	1.7	1.6	1.7
Lithuania	n/a	4.1	4.1	4.3	4.5	4.7	5.4	5.6	3.2	1.7	2.0	2.4	2.5	2.3	2.0	2.1	2.4	2.5	2.5	2.7	2.7	2.9	2.9
Luxembourg	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.2	1.3	1.4	1.4	1.4
Netherlands	36.4	38.3	38.2	39.4	35.7	36.6	36.8	41.1	40.0	41.1	39.7	40.8	45.2	42.4	41.8	40.9	41.0	41.8	41.4	41.7	42.7	41.5	39.8
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Norway	1.2	1.2	1.4	1.5	1.9	2.1	2.2	2.5	2.7	2.8	3.1	3.1	3.3	3.9	4.0	3.8	4.2	3.9	4.2	4.5	4.8	4.4	4.3
Poland	10.2	10.4	11.0	11.4	11.3	11.1	10.4	9.7	9.0	9.5	9.6	10.5	11.0	11.0	11.1	10.8	11.6	12.1	11.8	13.1	13.8	14.2	14.4
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.8	2.2	2.3	2.6	3.1	3.0	3.8	4.3	4.1
Romania	35.1	32.7	33.2	32.6	32.7	32.6	33.5	27.7	24.6	23.7	21.6	22.4	22.6	18.5	17.4	16.0	15.9	15.3	15.9	17.1	16.2	16.2	16.5
Slovakia	3.4	3.5	3.7	4.0	3.9	4.4	5.9	5.3	5.8	5.7	5.5	6.1	6.4	6.5	6.6	6.7	6.7	7.2	6.8	6.6	6.4	6.9	6.3
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	0.9	0.8	0.7	0.7	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.1	1.0
Spain	2.3	2.4	2.8	3.0	3.9	5.0	5.8	6.5	6.8	6.7	7.3	9.0	10.0	13.1	13.5	15.5	17.7	19.1	21.8	24.8	29.3	34.7	36.3
Sweden	-	0.1	0.2	0.3	0.3	0.4	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9
Switzerland	1.3	1.3	1.4	1.5	1.5	1.6	1.7	1.9	2.0	2.1	2.1	2.3	2.5	2.4	2.5	2.8	2.8	2.9	2.9	3.1	3.2	3.2	3.1
Turkey	^	^	0.4	0.5	1.1	3.0	3.2	4.0	4.3	4.7	5.0	6.5	7.6	9.3	9.8	11.9	13.9	15.3	16.6	20.0	21.2	25.7	29.2
Ukraine	n/a	85.0	89.7	91.6	97.1	98.2	121.0	114.9	98.0	87.9	77.0	72.1	83.7	75.3	69.8	74.1	74.2	71.9	70.8	72.2	71.6	72.2	70.0
United Kingdom	50.4	54.2	55.1	56.6	53.9	52.7	54.9	59.3	59.0	67.2	69.2	73.8	86.0	88.4	91.9	97.9	101.3	100.9	99.5	99.8	102.0	99.4	94.3
Other Europe	4.8	9.7	10.2	11.3	11.4	12.0	8.4	7.9	7.5	5.2	3.9	3.7	2.7	3.5	3.1	2.8	3.0	3.1	3.1	3.2	4.0	3.9	4.4
Total Europe	297.2	402.6	412.9	431.2	434.9	447.0	482.7	488.7	461.9	464.2	450.8	476.3	527.7	515.6	523.1	543.9	558.5	569.5	571.3	597.1	611.6	627.6	622.8
Azerbaijan	n/a	13.3	14.7	14.6	14.4	15.1	15.4	14.7	11.5	8.5	7.9	7.8	5.7	5.5	5.1	5.5	5.3	7.6	7.6	7.8	9.1	9.4	10.0
Belarus	n/a	8.7	8.8	10.0	11.5	12.1	12.9	13.5	15.7	14.6	12.7	11.5	12.1	13.9	14.1	14.3	15.2	15.1	15.5	15.3	18.5	19.0	19.4
Kazakhstan	n/a	9.0	10.9	11.4	11.9	12.3	13.1	13.8	14.1	13.6	9.9	11.3	9.5	7.4	7.4	8.3	5.2	4.6	4.8	5.7	6.3	8.3	8.8
Russian Federation	n/a	356.1	360.2	381.0	402.1	408.0	414.2	425.0	411.3	410.1	385.3	372.4	374.5	345.4	359.6	358.5	366.2	372.2	376.7	385.6	395.6	400.4	421.7
Turkmenistan	n/a	8.2	13.2	13.2	13.3	13.8	9.3	9.1	8.8	8.8	9.6	7.6	11.9	8.4	10.3	9.2	7.2	10.5	7.5	11.6	11.5	11.6	12.0
USSR	504.3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	31.1	30.0	31.4	31.0	32.8	34.9	35.1	35.3	38.5	39.1	40.1	41.7	40.9	41.1	47.6	48.7	49.1	50.5	45.5	46.0	46.9	43.3
Other CIS	n/a	7.8	7.6	8.3	10.9	12.1	11.2	9.3	8.4	6.1	5.2	5.1	5.7	6.0	6.1	4.8	4.5	4.8	4.4	4.0	4.8	5.0	5.2
Total CIS	504.3	434.1	445.6	469.8	495.1	506.2	511.0	520.5	505.2	500.1	469.8	455.9	461.2	427.5	443.6	448.2	452.2	463.8	467.1	475.5	491.8	500.7	520.4
Iran	9.0	9.7	9.3	11.4	12.4	15.6	22.8	26.5	30.5	16.5	26.1	31.9	37.5	39.8	46.2	55.0	59.4	66.5	78.2	80.3	93.3	97.0	105.8
Iraq	0.6	0.8	1.5	3.6	5.3	6.1	3.8	1.7	2.2	2.4	3.0	3.0	3.1	2.9	2.8	3.0	3.0	2.6	2.2	1.5	1.0	1.4	1.4
Israel	0.1	0.1	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	1.1	1.6	2.2
Kuwait	4.2	4.0	5.4	4.5	6.5	7.8	4.0	0.5	2.5	5.1	5.7	8.8	8.8	8.8	9.0	8.3	9.1	9.0	8.3	9.5	10.4	11.7	11.8
Oman	1.3	1.7	1.9	2.2	2.2	2.3	2.4	2.5	2.7	2.6	2.7	3.3	3.6	4.2	4.4	4.7	7.7	8.4	8.8	9.5	8.6	10.8	12.0
Qatar	6.1	5.7	6.0	5.8	6.1	6.4	6.5	7.9	13.1	14.0	14.0	14.0	9.7	10.4	11.2	12.9	11.3	10.5	11.5	13.1	15.7	17.9	17.8
Saudi Arabia	17.3	17.9	23.9	25.5	27.6	28.3	31.8	33.4	36.3	38.0	40.6	40.8	42.2	43.1	44.5	43.9	47.3	51.0	53.9	57.1	62.4	67.7	69.8
United Arab Emirates	8.0	9.9	12.0	13.7	13.8	16.8	16.5	19.9	18.3	19.1	22.1	24.2	26.5	28.3	29.6	30.6	30.6	31.5	35.5	36.9	39.2	41.0	42.3
Other Middle East	4.0	4.9	5.8	5.6	6.5	7.3	7.8	7.8	8.8	9.3	9.7	10.4	10.8	12.9	14.4	14.7	14.8	15.3	16.2	17.5	16.6	17.3	18.9
Total Middle East	50.4	54.4	65.9	72.3	80.4	90.7	95.7	100.1	114.4	107.2	124.0	136.3	142.2	150.3	162.2	173.0	183.3	194.8	214.6	225.3	248.2	266.3	281.9
Algeria	15.5	15.4	16.8	17.2	19.4	18.3	19.5	19.3	19.9	17.9	18.8	20.2	20.8	19.4	20.1	20.5	19.1	19.7	19.5	20.6	21.2	22.4	22.8
Egypt	3.9	4.7	5.5	6.0	6.7	7.4	7.8	8.7	9.5	10.9	11.6	12.1	12.5	12.9	13.2	15.8	19.3	23.6	25.5	28.6	30.5	30.4	35.1
Morocco	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.4	0.5
South Africa	0.2	0.2	0.2	0.2	0.2	0.2	2.0	2.0	1.8	1.3	1.3	1.3	1.1	0.9	0.9	1.2	1.1	1.4	1.4	1.1	2.4	3.5	3.7
Eastern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.4	0.5
Middle Africa	0.4	0.4	0.5	0.5	0.6	0.5	0.6	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.9	2.1	2.6	3.0	3.0
Western Africa	2.6	2.5	2.9	2.9	3.5	4.0	3.8	3.7	4.1	4.6	4.2	4.7	5.8	5.6	6.9	5.0	7.3	9.2	11.1	11.6	11.1	11.5	10.1
Other Northern Africa	3.3	4.5	5.3	5.4	5.4	6.6	6.1	5.7	6.2	6.0	6.7	7.1	7.6	7.9	8.1	7.2	8.2	8.8	8.7	8.4	10.7	10.1	9.4
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	26.0	27.9	31.3	32.3	35.8	37.1	39.9	40.2	42.1	41.3	43.2	46.1	48.4	47.4	49.9	50.4	55.7	64.3	68.1	72.4	78.8	81.7	85.3
Australia	12.5	13.4	14.6	14.9	15.3	16.7	16.8	16.1	16.6	17.2	19.2	19.3	19.5	19.1	19.7	20.2	20.6	22.2	22.8	23.0	23.5	23.3	25.9
Bangladesh	2.3	2.6	2.9	3.4	4.0	4.2	4.6	4.7	5.1	5.8	6.1	6.7	7.2	7.1	7.7	8.4	9.1	10.1	10.7	11.5	12.3	13.3	14.4
China	12.5	13.0	13.9	14.0	14.4	15.2	15.4	15.6	15.9	16.9	17.7	17.9	18.7	19.8	20.4	21.7	24.7	27.6	29.4	34.2	40.0	47.0	57.8
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	^	1.9	3.0	2.8	3.1	2.8	2.8	2.7	1.7	2.5	2.5	2.8
India	3.5	4.3	6.0	7.0	8.2	9.7	11.6	12.9	14.4	14.7	15.9	18.1	19.7	21.5	23.5	24.1	25.4	25.4	26.6	28.4	30.7	34.3	35.9
Indonesia	10.6	12.5	13.5	14.0	14.9	16.6	17.2	19.8	21.6	22.9	27.1	28.6	29.7	31.0	29.9	32.5	33.0	34.1	37.1	39.6	36.2	36.4	37.1
Japan	37.4	40.1	40.8	41.8	44.3	46.1	50.3	53.2	55.3	55.7	59.6	60.6	64.7	67.1	69.2	72.6	75.7	77.7	76.0	83.5	80.6	82.7	88.6
Malaysia	4.8	4.6	7.2	7.1	7.3	8.4	7.9	11.8	12.8	12.6	13.0	13.5	16.3	20.2	20.4	23.3	28.8	27.7	28.1	30.3	32.7	37.4	38.9
New Zealand	2.6	3.3	4.1	3.9	4.3	2.4	4.4	4.8	5.1	5.0	4.7	4.5	5.1	5.5	4.8	5.5	5.9	6.2	5.9	4.5	4.1	3.8	3.8
Pakistan	7.2	7.4	7.9	8.5	9.0	9.6	10.2	11.0	10.8	12.5	12.7	13.0	14.2	14.1	14.9	17.0	18.0	19.0	20.5	25.6	30.7	32.6	33.3
Philippines	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.1	1.7	2.6	2.4	3.1	2.9
Singapore	-	-	-	-	-	-	-	-	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7	4.4	4.7	5.1	6.2	6.2	8.1
South Korea	-	-	0.1	2.2	2.8	2.8	3.2	3.7	4.8	6.0	8.0	9.6	12.7	15.5	14.5	17.6	19.8	21.8	24.2	25.3	29.7	31.8	33.5
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	1.4	1.2	1.1	1.2	1.3	1.3	2.1	3.1	3.1	3.2	3.9	4.3	4.4	5.2	6.2	6.3	6.8	7.3	8.2	8.4	10.2	10.3	11.1
Thailand	2.5	3.2	3.5	4.8	5.7	5.6	6.1	7.5	8.1	9.2	10.2	10.6	12.3	15.4	16.5	18.3	21.2	24.6	26.7	28.4	29.8	32.1	33.0
Vietnam	0.1	^	^	^	^	^	^	0.1	0.2	0.2	0.2	0.1	0.3	0.5	0.9	1.3	1.5	1.9	2.3	2.3	4.0	6.2	6.8
Other Asia Pacific	2.6	2.8	3.0	3.0	2.7	2.4	2.2	2.6	3.2	3.5	3.6	4.4	4.1	4.5	4.0	4.0	3.7	3.7	3.8	4.6	4.8	5.6	5.7
Total Asia Pacific	99.9	108.6	118.6	125.9	134.2	140.9	152.0	166.8	178.1	186.7	203.2	212.8	232.4	251.1	256.8	277.3	298.4	316.7	331.3	358.8	380.2	408.5	439.5
Total World	1590.2	1626.1	1642.0	1728.1	1808.8	1887.1	1948.4	1997.6	2006.7	2026.9	2039.3	2110.9	2216.3	2203.4	2243.8	2307.6	2400.0	2433.1	2505.3	2575.2	2673.6	2746.4	2817.6
of which: OECD	871.8	878.8	851.5	898.8	928.5	975.3	995.0	1031.1	1051.3	1087.1	1113.1	1172.7	1233.7	1245.5	1253.2	1288.9	1341.8	1330.2	1361.7	1380.5	1403.1	1415.8	1418.2
Non-OECD	718.4	747.3	790.5	829.3	880.3	911.8	953.5	966.5	955.4	939.8	926.2	938.2	982.6	957.9	990.6	1018.7	1058.2	1102.9	1143.5	1194.7	1270.5	1330.5	1399.3
European Union #	289.9	305.4	309.9	324.8	321.8	330.1	346.2	357.5	347.4	361.4	359.8	388.6	428.0	421.2	433.9	448.4	460.2	472.2	473.5	494.0	506.8	518.1	511.6

Billion cubic metres	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	90.9	89.3	86.6	88.3	97.5	97.2	104.3	109.6	109.8	106.2	109.3	118.3	120.3	1.7%	2.8%	3.1%
Mexico	57.0	60.0	65.2	66.0	70.8	73.7	77.8	78.8	80.8	83.0	86.0	87.6	90.7	3.5%	3.9%	2.3%
US	624.1	628.9	617.6	648.2	658.2	688.1	707.0	722.3	743.6	749.1	740.0	819.9	846.6	3.3%	2.7%	21.5%
Total North America	772.1	778.2	769.4	802.5	826.6	859.0	889.1	910.7	934.1	938.3	935.3	1025.8	1057.6	3.1%	2.8%	26.9%
Argentina	42.7	43.2	41.8	42.1	43.8	45.7	46.0	46.2	46.7	48.2	48.3	48.7	47.5	-2.5%	1.2%	1.2%
Brazil	21.8	25.7	20.7	27.6	27.5	32.6	38.4	40.7	42.9	37.1	37.6	35.9	35.8	-0.2%	3.4%	0.9%
Chile	5.0	2.8	2.8	5.7	5.8	5.3	5.3	4.4	4.8	5.9	5.6	6.4	6.5	1.1%	8.8%	0.2%
Colombia	7.2	7.3	8.4	8.7	8.5	9.5	10.5	11.4	11.2	12.1	12.4	13.2	13.4	1.8%	6.1%	0.3%
Ecuador	0.5	0.5	0.6	0.6	0.6	0.7	0.9	0.9	0.8	0.9	0.8	0.7	0.6	-10.6%	3.6%	♦
Peru	2.6	3.3	3.3	5.4	6.3	6.9	6.7	7.4	7.6	8.5	7.5	8.0	8.3	3.7%	9.4%	0.2%
Trinidad & Tobago	19.6	19.2	19.1	20.7	20.5	20.2	20.4	20.5	19.6	16.9	18.3	17.4	17.5	1.0%	-1.0%	0.4%
Venezuela	37.3	34.9	34.2	31.3	33.3	34.6	32.3	34.0	37.0	37.2	38.6	31.6	26.5	-16.3%	-1.0%	0.7%
Central America	-	-	-	-	-	-	-	-	-	-	-	0.2	0.5	163.7%	n/a	♦
Other Caribbean	2.5	2.5	2.4	2.5	2.7	3.2	3.6	3.7	3.7	3.8	3.6	4.1	5.0	21.9%	5.1%	0.1%
Other South America	2.0	2.2	2.5	2.6	3.0	3.1	3.3	3.5	3.4	3.5	3.6	3.7	3.7	-0.4%	5.3%	0.1%
Total S. & Cent. America	141.1	141.4	135.8	147.3	152.1	161.8	167.3	172.6	177.8	174.2	176.3	169.9	165.4	-2.7%	1.9%	4.2%
Austria	8.5	9.1	8.8	9.6	9.0	8.6	8.2	7.5	8.0	8.3	9.1	8.7	8.9	2.5%	-0.4%	0.2%
Belgium	17.5	17.4	17.6	19.4	16.5	16.7	16.5	14.5	15.8	16.2	16.4	16.9	17.4	3.0%	-0.3%	0.4%
Bulgaria	3.4	3.4	2.4	2.7	3.1	2.9	2.8	2.7	3.0	3.1	3.2	3.0	2.8	-6.4%	-1.1%	0.1%
Croatia	3.1	3.0	2.8	3.1	3.0	2.8	2.7	2.3	2.4	2.5	2.9	2.8	2.9	4.5%	-0.7%	0.1%
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Czech Republic	8.4	8.3	7.9	9.4	7.9	8.0	8.1	7.2	7.5	8.2	8.4	8.0	8.3	4.3%	-0.4%	0.2%
Denmark	4.7	4.8	4.6	5.2	4.3	4.1	3.8	3.3	3.3	3.4	3.2	3.1	2.9	-7.0%	-4.1%	0.1%
Estonia	0.9	0.9	0.6	0.7	0.6	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.4	-8.5%	-6.3%	♦
Finland	4.1	4.2	3.7	4.1	3.6	3.2	3.0	2.7	2.3	2.0	1.8	2.1	2.0	-3.8%	-6.7%	0.1%
France	44.8	46.4	44.7	49.6	43.0	44.4	45.1	37.9	40.8	44.5	44.8	42.7	43.4	1.7%	-0.8%	1.1%
Germany	88.6	89.5	84.4	88.1	80.9	81.1	85.0	73.9	77.0	84.9	87.7	85.9	88.7	3.3%	-0.4%	2.3%
Greece	3.9	4.1	3.4	3.7	4.6	4.2	3.7	2.8	3.1	4.0	4.8	4.7	5.1	9.0%	1.5%	0.1%
Hungary	12.4	12.3	10.6	11.4	10.9	9.7	9.1	8.1	8.7	9.3	9.9	9.6	9.8	2.0%	-2.4%	0.2%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Ireland	5.0	5.2	5.0	5.5	4.8	4.7	4.5	4.3	4.4	4.9	5.0	5.2	5.3	2.0%	♦	0.1%
Italy	81.5	80.9	74.3	79.1	74.2	71.4	66.7	59.0	64.3	67.5	71.6	69.2	70.8	2.3%	-1.5%	1.8%
Latvia	1.6	1.6	1.4	1.7	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.4	1.3	-4.4%	-1.4%	♦
Lithuania	3.4	3.0	2.5	2.9	3.2	3.1	2.5	2.4	2.4	2.1	2.2	2.2	2.2	-3.6%	-2.9%	0.1%
Luxembourg	1.3	1.3	1.3	1.4	1.2	1.2	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.1%	-4.6%	♦
Netherlands	38.8	40.4	41.4	46.8	40.9	39.3	39.1	34.5	34.1	35.2	36.2	35.4	36.8	4.2%	-1.3%	0.9%
North Macedonia	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.3	0.2	0.3	16.4%	8.0%	♦
Norway	4.2	4.3	4.1	4.1	4.0	4.0	4.0	4.3	4.5	4.4	4.6	4.5	4.5	0.2%	0.4%	0.1%
Poland	14.4	15.6	15.1	16.2	16.5	17.4	17.4	17.0	17.1	18.3	19.2	19.9	20.4	2.3%	2.4%	0.5%
Portugal	4.4	4.8	4.8	5.2	5.3	4.6	4.3	4.1	4.8	5.1	6.3	5.8	6.1	5.7%	1.9%	0.2%
Romania	14.8	14.1	12.3	12.5	12.9	12.5	11.4	10.9	10.4	10.5	11.3	11.6	10.9	-5.9%	-2.0%	0.3%
Slovakia	5.9	6.0	5.1	5.8	5.4	5.1	5.3	4.4	4.5	4.5	4.8	4.7	4.9	2.3%	-2.3%	0.1%
Slovenia	1.1	1.0	1.0	1.0	0.9	0.8	0.8	0.7	0.8	0.8	0.9	0.9	0.9	0.4%	-1.8%	♦
Spain	37.0	40.6	36.3	36.2	33.6	33.2	30.3	27.5	28.5	29.1	31.7	31.5	36.1	14.8%	-2.5%	0.9%
Sweden	0.9	0.9	1.1	1.5	1.2	1.1	1.0	0.8	0.9	1.0	1.0	1.0	1.0	3.2%	1.7%	♦
Switzerland	3.1	3.3	3.1	3.5	3.1	3.4	3.6	3.1	3.3	3.5	3.5	3.3	3.4	2.4%	0.2%	0.1%
Turkey	33.9	35.3	33.7	35.8	41.8	43.3	44.0	46.6	46.0	44.5	51.6	47.2	43.2	-8.5%	3.0%	1.1%
Ukraine	66.1	62.7	48.9	54.6	56.1	51.8	47.7	40.3	32.0	31.4	30.2	30.6	28.2	-7.7%	-6.9%	0.7%
United Kingdom	95.3	97.8	91.2	98.5	81.9	76.9	76.3	70.1	72.0	80.7	78.6	79.3	78.8	-0.5%	-2.1%	2.0%
Other Europe	4.3	3.6	3.0	3.6	4.2	3.9	4.2	4.1	4.5	4.6	5.3	5.3	5.4	1.6%	3.9%	0.1%
Total Europe	617.4	625.9	577.4	622.9	580.4	565.7	554.4	500.0	509.2	537.4	558.9	548.0	554.1	1.1%	-1.3%	14.1%
Azerbaijan	8.8	10.0	8.6	8.1	8.9	9.4	9.4	9.9	11.1	10.9	10.6	10.8	11.8	9.0%	0.8%	0.3%
Belarus	19.5	19.9	16.9	20.7	19.2	19.4	19.3	19.1	17.9	17.8	18.2	19.3	19.3	-0.3%	-0.3%	0.5%
Kazakhstan	10.6	10.6	10.1	11.0	12.2	13.0	13.6	15.0	15.3	15.8	16.8	19.0	17.9	-5.8%	6.0%	0.5%
Russian Federation	428.8	422.7	397.8	423.9	435.6	428.6	424.9	422.2	408.7	420.6	431.1	454.5	444.3	-2.2%	0.7%	11.3%
Turkmenistan	11.2	7.9	17.1	18.3	20.7	22.9	19.3	20.0	25.4	25.1	24.8	28.4	31.5	11.1%	13.7%	0.8%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	46.8	44.1	44.1	44.0	47.4	46.2	46.2	48.5	46.3	43.3	43.1	44.4	43.4	-2.2%	0.1%	1.1%
Other CIS	5.9	5.9	5.3	5.2	5.5	5.7	4.8	5.3	5.2	5.1	5.1	5.9	5.5	-6.0%	-0.1%	0.1%
Total CIS	531.6	521.3	499.9	531.3	549.5	545.2	537.3	539.9	530.0	538.8	549.6	582.3	573.7	-1.5%	1.1%	14.6%
Iran	118.6	125.8	134.8	144.4	153.2	152.5	153.8	173.4	184.0	196.3	209.1	224.1	223.6	-0.2%	5.9%	5.7%
Iraq	4.5	6.5	6.9	7.1	6.3	6.3	7.1	7.5	7.3	9.9	11.4	14.6	19.9	36.5%	8.5%	0.5%
Israel	2.6	3.6	4.0	5.1	4.7	2.4	6.6	7.2	8.1	9.2	9.9	10.5	10.8	2.4%	11.3%	0.3%
Kuwait	10.7	12.1	11.8	14.0	15.9	17.5	17.8	17.9	20.3	21.1	21.0	21.2	23.5	11.2%	5.8%	0.6%
Oman	12.2	13.4	13.7	16.3	18.1	19.7	21.7	21.3	23.0	22.8	23.3	25.0	25.0	0.1%	6.5%	0.6%
Qatar	19.3	20.7	21.3	25.4	28.7	33.6	35.5	38.5	42.4	40.2	39.9	41.4	41.1	-0.7%	7.2%	1.0%
Saudi Arabia	70.7	76.4	74.5	83.3	87.6	94.4	95.0	97.3	99.2	105.3	109.3	112.1	113.6	1.4%	3.9%	2.9%
United Arab Emirates	47.9	58.0	57.6	59.3	61.6	63.9	64.7	63.4	71.5	72.7	74.7	74.4	76.0	2.2%	2.5%	1.9%
Other Middle East	19.5	20.7	22.7	25.2	21.9	20.4	21.0	20.9	22.4	23.0	23.5	22.6	24.8	9.9%	0.9%	0.6%
Total Middle East	306.0	337.1	347.3	380.1	398.1	410.8	423.3	447.5	478.3	500.7	522.2	545.8	558.4	2.3%	4.9%	14.2%
Algeria	23.4	24.4	26.2	25.3	26.8	29.9	32.1	36.1	37.9	38.6	39.5	43.4	45.2	4.2%	5.9%	1.2%
Egypt	36.9	39.3	40.9	43.4	47.8	50.6	49.5	46.2	46.0	49.4	55.9	59.6	58.9	-1.1%	4.2%	1.5%
Morocco	0.6	0.6	0.6	0.7	0.9	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0	-5.2%	5.8%	♦
South Africa	3.8	3.9	3.3	4.1	4.3	4.4	4.1	4.3	4.3	4.5	4.4	4.5	4.3	-4.2%	1.3%	0.1%
Eastern Africa	0.6	0.6	0.7	0.8	1.0	1.1	1.1	1.3	1.6	2.0	2.0	2.0	2.3	11.1%	12.7%	0.1%
Middle Africa	2.7	3.3	3.3	3.7	4.1	4.1	3.7	3.6	4.0	5.0	5.2	5.0	4.6	-9.5%	4.4%	0.1%
Western Africa	12.5	11.7	8.8	8.6	12.3	13.0	12.7	16.0	23.8	21.0	22.1	23.4	24.0	2.5%	7.2%	0.6%
Other Northern Africa	10.3	11.0	11.7	12.3	10.1	10.9	12.3	11.3	9.7	10.3	9.9	9.9	9.9	0.4%	-1.1%	0.3%
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	-
Total Africa	90.8	94.8	95.6	98.9	107.2	115.1	116.6	119.9	128.5	132.0	140.1	148.8	150.1	0.9%	4.6%	3.8%
Australia	29.0	28.5	29.1	33.8	35.3	35.4	37.2	40.1	42.1	41.7	41.2	41.4	53.7	29.7%	3.8%	1.4%
Bangladesh	15.3	16.4	18.7	19.3	19.6	21.3	22.0	23.0	25.9	26.5	26.6	27.4	34.4	25.3%	5.3%	0.9%
China	71.1	81.9	90.2	108.9	135.2	150.9	171.9	188.4	194.7	209.4	240.4	283.0	307.3	8.6%	13.2%	7.8%
China Hong Kong SAR	2.6	3.0	2.9	3.6	2.9	2.6	2.5	2.4	3.0	3.1	3.1	3.0	3.1	3.3%	0.1%	0.1%
India	38.8	40.0	49.1	59.0	60.3	55.7	49.0	48.5	47.8	50.8	53.7	58.1	59.7	2.7%	3.8%	1.5%
Indonesia	34.6	39.7	42.1	44.0	42.7	43.0	44.5	44.0	45.8	44.6	43.2	44.5	43.8	-1.6%	1.2%	1.1%
Japan	95.4	99.1	92.5	99.9	112.0	123.2	123.5	124.8	118.7	116.4	117.0	115.7	108.1	-6.6%	1.6%	2.8%
Malaysia	40.4	43.5	40.0	38.0	38.3	42.0	44.6	44.7	46.8	45.0	45.0	41.0	42.3	3.1%	-0.6%	1.1%
New Zealand	4.2	3.9	4.0	4.4	4.0	4.5	4.7	5.2	4.9	4.8	4.9	4.4	4.8	8.9%	1.2%	0.1%
Pakistan	33.8	34.6	34.7	35.3	35.3	36.6	35.6	35.0	36.5	38.7	40.7	43.6	45.7	4.8%	2.3%	1.2%
Philippines	3.5	3.7	3.7	3.5	3.8	3.6	3.4	3.5	3.3	3.8	3.8	4.1	4.1	-0.2%	1.0%	0.1%
Singapore	8.1	8.7	9.2	8.3	8.3	8.9	10.0	10.4	11.6	11.9	12.3	12.3	12.7	3.7%	3.5%	0.3%
South Korea	36.3	37.3	35.5	45.0	48.4	52.5	55.0	50.0	45.6	47.6	49.8	57.8	56.0	-3.2%	4.5%	1.4%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Taiwan	11.7	12.8	12.5	15.5	17.0	17.9	17.9	18.9	20.2	21.0	23.2	23.7	23.3	-1.7%	6.4%	0.6%
Thailand	35.2	36.9	38.1	43.2	44.3	48.6	48.9	49.9	51.0	50.6	50.1	50.0	50.8	1.6%	3.1%	1.3%
Vietnam	6.8	7.2	7.7	9.1	8.2	9.0	9.4	9.9	10.3	10.2	9.5	9.7	9.9	2.0%	2.9%	0.3%
Other Asia Pacific	6.4	6.3	5.5	6.8	7.5	8.5	8.6	10.1	12.0	11.4	11.4	11.3	10.3	-8.9%	5.9%	0.3%
Total Asia Pacific	473.4	503.7	515.6	577.7	623.2	664.4	688.6	708.8	720.2	737.5	776.1	831.0	869.9	4.7%	5.1%	22.1%
Total World	2932.4	3002.4	2941.1	3160.7	3237.1	3322.0	3376.6	3399.4	3478.0	3559.0	3658.6	3851.7	3929.2	2.0%	2.5%	100.0%
of which: OECD	1470.2	1492.3	1445.3	1542.9	1537.9	1573.9	1606.9	1581.9	1615.1	1649.1	1669.5	1756.5	1801.1	2.5%	1.6%	45.8%
Non-OECD	1462.2	1510.1	1495.8	1617.7	1699.2	1748.1	1769.7	1817.5	1862.9	1909.9	1989.0	2095.1	2128.2	1.6%	3.3%	54.2%
European Union #	505.8	516.5	484.5	521.3	471.0	459.1	450.8	401.4	418.7	448.8	463.8	457.2	469.6	2.7%	-1.2%	12.0%

* Excludes natural gas converted to liquid fuels but includes derivatives of coal as well as natural gas consumed in Gas-to-Liquids transformation.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Notes: As far as possible, the data above represent standard cubic metres (measured at 15oC and 1013 mbar); as they are derived directly from measures of energy content using an average conversion factor and have been standardized using a Gross Calorific Value (GCV) of 40 MJ/m3, they do not necessarily equate with gas volumes expressed in specific national terms.
The difference between these world consumption figures and the world production statistics is due to variations in stocks at storage facilities and liquefaction plants, together with unavoidable disparities in the definition, measurement or conversion of gas supply and demand data.
Annual changes and shares of total are calculated using billion cubic metres figures.

Source: Includes data from Cedigaz, FGE MENAgas service.

Contents

Natural Gas: Consumption*

Contents

Billion cubic feet per day

Billion cubic feet per day	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Canada	2.10	2.30	2.44	2.71	3.03	3.35	3.58	4.01	4.28	4.32	4.47	4.49	4.73	4.77	4.84	4.80	4.67	4.95	4.72	5.22
Mexico	0.78	0.82	0.71	0.76	0.94	0.96	1.00	1.07	1.19	1.25	1.27	1.24	1.32	1.66	2.01	2.15	2.34	2.52	2.59	2.59
US	40.24	43.37	45.79	48.89	52.77	55.62	57.34	57.77	57.45	55.46	50.91	51.78	50.86	51.04	52.74	51.50	50.39	46.84	43.95	46.81
Total North America	43.12	46.49	48.94	52.35	56.75	59.93	61.92	62.85	62.92	61.04	56.64	57.52	56.90	57.47	59.59	58.45	57.40	54.31	51.26	54.62
Argentina	0.40	0.43	0.45	0.50	0.50	0.57	0.61	0.68	0.78	0.83	0.85	0.95	1.00	0.97	1.00	1.08	1.13	1.29	1.39	1.47
Brazil	^	^	^	^	^	^	^	^	^	^	^	^	0.06	0.08	0.08	0.10	0.09	0.13	0.17	0.20
Chile	0.06	0.06	0.06	^	0.06	0.06	0.06	0.06	^	^	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08
Colombia	0.09	0.09	0.11	0.11	0.12	0.12	0.13	0.15	0.16	0.17	0.16	0.17	0.19	0.23	0.25	0.27	0.30	0.32	0.35	0.35
Ecuador	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Peru	^	^	^	^	^	^	^	^	^	^	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	^	0.07
Trinidad & Tobago	0.11	0.13	0.14	0.15	0.15	0.18	0.18	0.19	0.18	0.16	0.15	0.17	0.20	0.23	0.24	0.27	0.30	0.37	0.38	0.40
Venezuela	0.73	0.76	0.84	0.86	0.89	0.83	0.80	0.80	0.98	1.04	1.01	1.25	1.37	1.38	1.54	1.59	1.60	1.71	1.68	1.85
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Caribbean	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Other South America	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total S. & Cent. America	1.43	1.53	1.65	1.72	1.78	1.82	1.85	1.95	2.22	2.35	2.34	2.73	2.95	3.05	3.28	3.48	3.60	3.99	4.14	4.45
Austria	0.17	0.18	0.17	0.19	0.23	0.27	0.31	0.34	0.37	0.40	0.40	0.46	0.47	0.49	0.48	0.46	0.44	0.43	0.44	0.49
Belgium	^	^	^	0.12	0.25	0.38	0.53	0.67	0.80	0.94	0.93	0.98	0.97	0.96	1.05	1.00	0.92	0.77	0.80	0.82
Bulgaria	^	^	^	^	^	^	^	^	^	^	0.11	0.19	0.24	0.26	0.28	0.36	0.39	0.43	0.45	0.47
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	^	^	0.05	0.06	0.07	0.08	0.10	0.10	0.11	0.14	0.16	0.18	0.20	0.23	0.25	0.29	0.29	0.31	0.36	0.39
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	-	-	-	-	-	-	-	-	-	^	0.07	0.08	0.08	0.09	0.09	0.09	0.07	0.07	0.06	0.07
France	0.48	0.51	0.58	0.70	0.81	0.92	1.10	1.29	1.52	1.59	1.77	1.90	1.98	2.12	2.35	2.43	2.47	2.38	2.53	2.58
Germany	0.30	0.36	0.46	0.76	1.09	1.55	2.04	2.64	3.41	4.26	4.50	4.75	5.06	5.42	5.99	5.89	5.65	5.24	5.45	5.68
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Hungary	0.13	0.16	0.21	0.26	0.31	0.35	0.37	0.39	0.47	0.50	0.56	0.67	0.72	0.79	0.83	0.89	0.92	0.96	0.96	0.97
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.08	0.12	0.17	0.19	0.20
Italy	0.71	0.78	0.85	1.00	1.10	1.18	1.22	1.40	1.58	1.77	2.04	2.47	2.52	2.49	2.56	2.53	2.46	2.45	2.52	2.96
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Netherlands	0.15	0.28	0.49	0.82	1.21	1.71	2.23	2.89	3.23	3.43	3.58	3.71	3.73	3.74	3.72	3.40	3.24	3.10	3.31	3.51
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	0.07	0.08	0.10	0.11	0.12	0.11
Poland	0.17	0.20	0.24	0.33	0.46	0.58	0.64	0.68	0.70	0.72	0.77	0.82	0.88	0.92	0.96	0.98	0.93	0.93	0.95	0.99
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	1.36	1.47	1.62	1.70	1.99	2.06	2.21	2.23	2.37	2.44	2.65	2.92	3.10	3.20	3.09	3.20	3.37	3.43	3.41	3.39
Slovakia	^	^	^	0.09	0.09	0.12	0.15	0.16	0.18	0.21	0.25	0.27	0.31	0.34	0.36	0.26	0.27	0.28	0.29	0.33
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	-	-	-	-	^	^	^	0.11	0.11	0.14	0.14	0.16	0.16	0.16	0.15	0.20	0.23	0.25	0.27	0.22
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Switzerland	-	-	-	-	^	^	^	^	^	^	0.05	0.05	0.06	0.07	0.08	0.09	0.09	0.10	0.11	0.12
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	0.08	0.08	0.14	0.31	0.60	1.14	1.85	2.61	2.83	3.39	3.55	3.76	4.00	4.15	4.55	4.52	4.60	4.57	4.77	4.86
Other Europe	^	^	^	0.06	0.07	0.10	0.11	0.14	0.15	0.17	0.18	0.19	0.20	0.23	0.26	0.31	0.31	0.39	0.42	0.47
Total Europe	3.67	4.15	4.98	6.43	8.32	10.50	12.93	15.70	17.89	20.26	21.76	23.59	24.77	25.77	27.21	27.10	26.91	26.40	27.45	28.67
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	11.77	13.13	14.46	15.57	16.68	18.33	20.04	21.02	22.92	24.31	26.52	29.10	31.27	33.35	35.40	36.38	38.63	41.70	44.72	48.66
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	11.77	13.13	14.46	15.57	16.68	18.33	20.04	21.02	22.92	24.31	26.52	29.10	31.27	33.35	35.40	36.38	38.63	41.70	44.72	48.66
Iran	0.08	0.08	0.08	0.09	0.10	0.25	0.29	0.33	0.40	0.40	0.41	0.46	0.47	0.37	0.49	0.44	0.48	0.65	0.75	0.87
Iraq	^	0.06	^	^	0.07	0.07	0.09	0.09	0.08	0.08	0.12	0.17	0.11	0.11	0.16	0.12	0.06	0.06	^	0.05
Israel	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Kuwait	0.17	0.22	0.25	0.31	0.34	0.19	0.19	0.23	0.26	0.27	0.30	0.35	0.39	0.43	0.57	0.37	0.43	0.34	0.37	0.40
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.06	0.07	0.08	0.10	0.13
Qatar	^	^	^	0.05	0.09	0.10	0.10	0.11	0.16	0.13	0.20	0.11	0.16	0.15	0.44	0.47	0.43	0.51	0.52	0.59
Saudi Arabia	0.06	0.07	0.08	0.10	0.12	0.15	0.12	0.14	0.17	0.21	0.25	0.27	0.38	0.52	0.64	0.89	1.04	1.10	1.08	1.67
United Arab Emirates	-	-	^	0.06	0.06	0.08	0.13	0.13	0.16	0.17	0.16	0.18	0.32	0.38	0.41	0.46	0.59	0.62	0.56	0.77
Other Middle East	^	^	^	^	^	0.06	0.09	0.11	0.16	0.20	0.21	0.22	0.24	0.27	0.29	0.24	0.22	0.35	0.37	0.39
Total Middle East	0.37	0.45	0.53	0.69	0.82	0.91	1.02	1.15	1.39	1.47	1.65	1.77	2.07	2.26	3.06	3.06	3.32	3.72	3.80	4.87
Algeria	0.07	0.07	0.07	0.08	0.10	0.09	0.11	0.12	0.17	0.20	0.28	0.33	0.35	0.56	0.79	1.06	1.38	1.56	1.71	1.50
Egypt	^	^	^	^	^	^	^	^	^	^	^	^	^	0.07	0.10	0.20	0.23	0.25	0.29	0.37
Morocco	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
South Africa	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Eastern Africa	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Middle Africa	^	^	^	^	^	^	^	^	0.05	0.06	^	^	^	^	^	^	^	^	^	^
Western Africa	^	^	^	^	^	^	^	^	^	^	^	0.06	0.08	0.10	0.13	0.15	0.23	0.23	0.27	0.26
Other Northern Africa	^	^	^	^	^	^	^	0.05	0.10	0.11	0.16	0.14	0.16	0.19	0.38	0.34	0.32	0.28	0.29	0.32
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	0.09	0.10	0.10	0.10	0.12	0.15	0.18	0.24	0.38	0.43	0.52	0.59	0.66	0.94	1.44	1.80	2.21	2.39	2.62	2.51
Australia	^	^	^	^	^	0.17	0.25	0.36	0.46	0.52	0.56	0.66	0.75	0.81	0.93	1.07	1.16	1.13	1.23	1.21
Bangladesh	-	-	-	-	-	-	-	^	0.06	0.06	0.07	0.09	0.10	0.11	0.12	0.14	0.13	0.17	0.19	0.22
China	0.11	0.13	0.14	0.14	0.19	0.28	0.36	0.47	0.58	0.73	0.86	0.98	1.18	1.34	1.41	1.39	1.24	1.16	1.19	1.21
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	^	^	^	^	^	0.06	0.06	0.07	0.07	0.08	0.10	0.12	0.13	0.15	0.19	0.11	0.19	0.25	0.30	0.34
Indonesia	^	0.05	0.06	0.06	0.12	0.12	0.12	0.12	0.08	0.11	0.23	0.23	0.49	0.57	0.73	0.69	0.69	0.66	0.88	1.02
Japan	0.18	0.18	0.19	0.20	0.23	0.35	0.37	0.37	0.52	0.71	0.84	1.01	1.24	1.74	2.06	2.43	2.44	2.50	2.69	3.61
Malaysia	-	-	-	-	-	^	^	^	^	^	^	^	^	0.23	0.28	0.25	0.21	0.27	0.37	0.46
New Zealand	-	-	-	-	-	^	^	^	^	^	^	0.08	0.14	0.13	0.08	0.08	0.10	0.18	0.19	0.25
Pakistan	0.14	0.16	0.19	0.21	0.26	0.28	0.28	0.26	0.30	0.33	0.37	0.37	0.41	0.42	0.48	0.58	0.63	0.69	0.68	0.70
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	^	^	^	^	0.06	0.05	0.11	0.13	0.15	0.15	0.15	0.19	0.20	0.20	0.19	0.20	0.17	0.13	0.13	0.13
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.14	0.16	0.24
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^
Other Asia Pacific	^	^	^	0.05	0.06	0.06	0.06	^	0.11	0.18	0.16	0.15	0.16	0.12	0.15	0.18	0.20	0.21	0.24	0.25
Total Asia Pacific	0.54	0.60	0.69	0.75	0.99	1.38	1.64	1.90	2.35	2.92	3.40	3.92	4.84	5.80	6.63	7.10	7.20	7.48	8.27	9.64
Total World	60.99	66.46	71.35	77.62	85.47	93.03	99.58	104.80	110.07	112.78	112.82	119.21	123.46	128.64	136.61	137.38	139.28	139.99	142.25	153.43
of which: OECD	45.63	49.38	52.48	57.25	63.31	68.84	73.21	76.97	79.31	79.95	76.95	79.62	80.33	82.28	86.31	85.33	84.01	80.34	78.62	84.12
Non-OECD	15.36	17.07	18.86	20.37	22.16	24.19	26.37	27.83	30.76	32.82	35.87	39.59	43.14	46.35	50.30	52.05	55.27	59.65	63.63	69.31
European Union #	3.63	4.11	4.93	6.37	8.24	10.40	12.81	15.55	17.72	20.06	21.53	23.34	24.47	25.41	26.79	26.62	26.40	25.80	26.80	27.97

Billion cubic feet per day	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Canada	5.49	5.29	5.35	5.87	6.36	6.17	6.21	6.57	6.99	7.23	7.47	7.58	7.75	7.62	8.15	8.61	8.13	8.46	8.69	8.47
Mexico	2.66	2.37	2.41	2.45	2.40	2.59	2.73	2.72	2.74	2.91	2.97	3.02	3.04	3.24	3.27	3.47	3.50	3.97	4.31	4.63
US	45.18	42.34	45.02	46.95	50.02	50.03	51.12	52.72	54.18	55.45	57.86	58.75	59.26	58.26	58.46	60.63	58.12	60.00	58.26	58.34
Total North America	53.33	50.00	52.78	55.27	58.79	58.79	60.07	62.01	63.90	65.59	68.30	69.35	70.06	69.12	69.88	72.71	69.75	72.43	71.26	71.45
Argentina	1.51	1.63	1.63	1.90	2.00	1.91	1.94	2.10	2.22	2.28	2.54	2.91	2.69	2.87	3.04	3.12	2.93	2.85	3.25	3.55
Brazil	0.25	0.29	0.32	0.33	0.33	0.30	0.32	0.36	0.42	0.46	0.51	0.56	0.61	0.64	0.75	0.94	1.19	1.40	1.57	1.86
Chile	0.08	0.07	0.07	0.10	0.15	0.16	0.19	0.21	0.22	0.21	0.20	0.20	0.28	0.38	0.53	0.68	0.77	0.78	0.84	0.91
Colombia	0.35	0.36	0.36	0.36	0.35	0.36	0.37	0.37	0.38	0.38	0.40	0.44	0.55	0.64	0.55	0.55	0.57	0.58	0.56	0.59
Ecuador	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.05
Peru	0.05	0.05	0.05	0.05	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.08
Trinidad & Tobago	0.41	0.42	0.44	0.51	0.51	0.53	0.54	0.52	0.58	0.67	0.71	0.80	0.88	0.88	0.90	0.95	1.05	1.13	1.31	1.43
Venezuela	1.86	2.05	2.00	2.04	2.10	2.36	2.35	2.32	2.51	2.65	2.95	3.18	3.31	3.47	2.94	2.99	3.18	3.05	2.71	3.04
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Caribbean	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.05	0.09	0.13	0.13	0.16	0.15
Other South America	^	^	^	^	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.11	0.10	0.11	0.12	0.11	0.10	0.11	0.13	0.14
Total S. & Cent. America	4.56	4.93	4.95	5.35	5.56	5.76	5.86	6.01	6.48	6.81	7.49	8.27	8.46	9.07	8.95	9.49	9.98	10.08	10.60	11.81
Austria	0.52	0.51	0.53	0.51	0.54	0.60	0.64	0.62	0.66	0.67	0.74	0.78	0.76	0.78	0.79	0.75	0.80	0.79	0.87	0.87
Belgium	0.83	0.75	0.82	0.81	0.90	0.93	0.99	1.02	1.07	1.09	1.20	1.34	1.28	1.40	1.49	1.50	1.48	1.53	1.63	1.66
Bulgaria	0.52	0.52	0.57	0.56	0.57	0.61	0.51	0.45	0.42	0.42	0.51	0.52	0.42	0.35	0.30	0.33	0.28	0.25	0.26	0.25
Croatia	n/a	n/a	n/a	n/a	n/a	0.25	0.23	0.24	0.25	0.24	0.22	0.24	0.25	0.24	0.25	0.25	0.26	0.27	0.27	0.27
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	0.47	0.50	0.55	0.55	0.57	0.59	0.57	0.65	0.67	0.65	0.74	0.85	0.86	0.86	0.87	0.84	0.90	0.87	0.88	0.87
Denmark	0.06	0.12	0.15	0.18	0.19	0.20	0.24	0.25	0.28	0.31	0.36	0.42	0.44	0.48	0.50	0.49	0.52	0.52	0.53	0.52
Estonia	0.10	0.09	0.10	0.11	0.11	0.14	0.14	0.08	^	0.06	0.07	0.07	0.07	0.07	0.06	0.07	0.08	0.07	0.07	0.09
Finland	0.09	0.11	0.15	0.16	0.21	0.24	0.26	0.27	0.28	0.30	0.32	0.33	0.33	0.37	0.37	0.38	0.41	0.41	0.45	0.44
France	2.77	2.78	2.81	2.79	2.74	2.93	3.21	3.19	3.28	3.13	3.33	3.67	3.53	3.76	3.83	4.01	4.23	4.22	4.42	4.51
Germany	5.63	5.61	6.08	5.97	6.13	6.16	6.47	6.38	6.77	6.90	7.52	8.39	8.04	8.11	8.09	8.00	8.46	8.45	8.55	8.57
Greece	^	^	^	^	^	^	^	^	^	^	^	^	^	0.08	0.14	0.19	0.19	0.20	0.23	0.25
Hungary	0.99	1.05	1.05	1.03	1.05	1.00	0.99	0.87	0.94	0.95	1.03	1.15	1.09	1.10	1.11	1.08	1.21	1.22	1.34	1.31
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	0.20	0.14	0.14	0.17	0.19	0.21	0.22	0.21	0.24	0.25	0.26	0.30	0.31	0.32	0.34	0.39	0.40	0.41	0.41	0.41
Italy	3.02	3.19	3.54	3.83	4.15	4.40	4.67	4.61	4.72	4.56	5.02	5.17	5.38	5.79	6.30	6.55	6.59	6.54	7.21	7.46
Latvia	0.20	0.21	0.22	0.24	0.24	0.25	0.24	0.14	0.09	0.09	0.10	0.09	0.09	0.11	0.10	0.12	0.13	0.15	0.15	0.16
Lithuania	0.39	0.40	0.41	0.43	0.46	0.53	0.54	0.31	0.17	0.19	0.23	0.24	0.23	0.20	0.20	0.23	0.24	0.24	0.26	0.26
Luxembourg	^	^	^	^	^	^	0.05	0.05	0.05	0.05	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.12	0.12	0.13
Netherlands	3.71	3.70	3.82	3.44	3.54	3.56	3.97	3.86	3.98	3.84	3.95	4.36	4.10	4.05	3.96	3.96	4.05	4.01	4.03	4.12
North Macedonia	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^
Norway	0.12	0.13	0.15	0.18	0.20	0.22	0.24	0.26	0.28	0.30	0.30	0.32	0.37	0.38	0.37	0.41	0.38	0.41	0.44	0.46
Poland	1.00	1.06	1.10	1.09	1.07	1.01	0.94	0.87	0.92	0.92	1.01	1.06	1.06	1.07	1.04	1.12	1.17	1.14	1.27	1.33
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	^	0.08	0.22	0.22	0.25	0.30	0.29	0.37
Romania	3.16	3.22	3.16	3.16	3.16	3.24	2.68	2.38	2.29	2.09	2.16	2.18	1.79	1.69	1.55	1.54	1.48	1.53	1.66	1.56
Slovakia	0.34	0.36	0.38	0.38	0.43	0.57	0.51	0.56	0.55	0.53	0.59	0.62	0.63	0.64	0.65	0.65	0.69	0.66	0.64	0.62
Slovenia	n/a	n/a	n/a	n/a	n/a	0.09	0.08	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.09	0.10	0.09	0.10	0.10
Spain	0.23	0.27	0.29	0.38	0.48	0.56	0.63	0.66	0.65	0.71	0.87	0.97	1.27	1.31	1.50	1.71	1.85	2.11	2.40	2.82
Sweden	^	^	^	^	^	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09
Switzerland	0.13	0.13	0.14	0.14	0.15	0.17	0.19	0.19	0.20	0.20	0.22	0.24	0.23	0.24	0.28	0.27	0.28	0.28	0.30	0.30
Turkey	^	^	^	0.11	0.29	0.31	0.38	0.42	0.46	0.49	0.63	0.73	0.90	0.95	1.15	1.35	1.48	1.61	1.94	2.04
Ukraine	8.22	8.68	8.87	9.37	9.50	11.70	11.12	9.46	8.51	7.45	6.98	8.07	7.29	6.75	7.17	7.16	6.96	6.85	6.99	6.91
United Kingdom	5.25	5.33	5.48	5.20	5.10	5.31	5.74	5.69	6.50	6.70	7.14	8.30	8.55	8.90	9.47	9.78	9.76	9.63	9.66	9.84
Other Europe	0.94	0.99	1.09	1.10	1.16	0.81	0.76	0.72	0.50	0.37	0.36	0.26	0.33	0.30	0.27	0.29	0.30	0.30	0.31	0.38
Total Europe	38.96	39.95	41.72	41.96	43.25	46.70	47.28	44.57	44.91	43.62	46.08	50.92	49.88	50.61	52.62	53.89	55.10	55.27	57.77	59.01
Azerbaijan	1.28	1.43	1.41	1.39	1.46	1.49	1.43	1.11	0.82	0.77	0.76	0.55	0.53	0.49	0.53	0.51	0.73	0.73	0.75	0.88
Belarus	0.84	0.85	0.96	1.11	1.17	1.25	1.31	1.52	1.41	1.23	1.12	1.17	1.34	1.36	1.39	1.47	1.46	1.50	1.48	1.79
Kazakhstan	0.87	1.06	1.10	1.15	1.19	1.27	1.33	1.36	1.31	0.95	1.09	0.91	0.72	0.71	0.81	0.50	0.44	0.47	0.55	0.61
Russian Federation	34.45	34.85	36.86	38.79	39.48	40.07	41.12	39.69	39.68	37.28	36.04	36.14	33.42	34.79	34.68	35.33	36.01	36.44	37.31	38.17
Turkmenistan	0.79	1.28	1.27	1.29	1.33	0.90	0.88	0.85	0.85	0.93	0.73	1.15	0.81	1.00	0.89	0.69	1.02	0.73	1.12	1.11
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	3.01	2.90	3.04	2.99	3.17	3.37	3.40	3.41	3.72	3.78	3.88	4.03	3.96	3.98	4.61	4.70	4.75	4.89	4.41	4.44
Other CIS	0.75	0.74	0.80	1.06	1.17	1.09	0.90	0.81	0.59	0.50	0.49	0.55	0.58	0.59	0.46	0.43	0.46	0.43	0.38	0.46
Total CIS	42.00	43.11	45.46	47.77	48.98	49.44	50.36	48.75	48.39	45.45	44.11	44.50	41.36	42.92	43.37	43.63	44.87	45.19	46.00	47.46
Iran	0.94	0.90	1.10	1.19	1.51	2.21	2.57	2.94	1.60	2.53	3.08	3.62	3.85	4.47	5.32	5.74	6.44	7.57	7.77	9.00
Iraq	0.08	0.14	0.34	0.51	0.59	0.37	0.16	0.21	0.23	0.29	0.29	0.30	0.28	0.27	0.29	0.29	0.25	0.22	0.14	0.09
Israel	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.11
Kuwait	0.39	0.53	0.44	0.63	0.75	0.39	^	0.24	0.50	0.55	0.85	0.85	0.85	0.87	0.80	0.88	0.87	0.80	0.92	1.00
Oman	0.16	0.19	0.21	0.21	0.22	0.24	0.24	0.26	0.25	0.26	0.32	0.35	0.41	0.42	0.46	0.74	0.82	0.85	0.92	0.83
Qatar	0.55	0.58	0.56	0.59	0.62	0.63	0.76	1.26	1.35	1.35	1.35	0.94	1.00	1.08	1.24	1.09	1.01	1.11	1.26	1.52
Saudi Arabia	1.73	2.32	2.46	2.67	2.74	3.08	3.23	3.51	3.68	3.93	3.95	4.07	4.17	4.30	4.25	4.57	4.93	5.21	5.52	6.02
United Arab Emirates	0.95	1.16	1.32	1.33	1.63	1.60	1.92	1.76	1.85	2.14	2.34	2.55	2.74	2.87	2.96	2.96	3.05	3.44	3.57	3.78
Other Middle East	0.47	0.56	0.54	0.62	0.71	0.75	0.75	0.85	0.90	0.94	1.00	1.04	1.25	1.40	1.42	1.43	1.48	1.57	1.69	1.60
Total Middle East	5.27	6.38	6.99	7.76	8.77	9.26	9.68	11.04	10.37	12.00	13.19	13.72	14.54	15.69	16.74	17.69	18.85	20.76	21.80	23.95
Algeria	1.49	1.63	1.67	1.87	1.77	1.89	1.86	1.92	1.73	1.82	1.96	2.00	1.88	1.94	1.98	1.84	1.91	1.89	1.99	2.04
Egypt	0.46	0.53	0.58	0.64	0.72	0.75	0.85	0.91	1.05	1.12	1.17	1.21	1.25	1.28	1.53	1.86	2.28	2.47	2.77	2.94
Morocco	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
South Africa	^	^	^	^	^	0.19	0.19	0.18	0.12	0.12	0.12	0.11	0.09	0.09	0.11	0.11	0.13	0.13	0.10	0.23
Eastern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Middle Africa	^	^	0.05	0.06	^	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0.14	0.18	0.20	0.25
Western Africa	0.24	0.28	0.28	0.34	0.39	0.37	0.36	0.39	0.45	0.41	0.45	0.56	0.54	0.67	0.49	0.70	0.89	1.07	1.12	1.07
Other Northern Africa	0.44	0.52	0.52	0.52	0.64	0.59	0.55	0.60	0.58	0.65	0.69	0.73	0.76	0.79	0.69	0.79	0.86	0.84	0.82	1.03
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	2.70	3.03	3.13	3.46	3.59	3.86	3.89	4.06	3.99	4.18	4.46	4.67	4.59	4.83	4.88	5.37	6.22	6.59	7.00	7.60
Australia	1.30	1.42	1.45	1.48	1.61	1.62	1.56	1.61	1.67	1.85	1.87	1.88	1.85	1.91	1.95	1.98	2.14	2.21	2.22	2.26
Bangladesh	0.25	0.28	0.33	0.39	0.41	0.44	0.46	0.50	0.56	0.59	0.65	0.70	0.69	0.74	0.81	0.87	0.98	1.03	1.11	1.19
China	1.26	1.34	1.35	1.39	1.47	1.49	1.51	1.54	1.63	1.71	1.73	1.81	1.92	1.98	2.10	2.38	2.67	2.85	3.31	3.86
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	^	0.19	0.29	0.27	0.30	0.27	0.27	0.26	0.17	0.24
India	0.42	0.58	0.67	0.79	0.94	1.12	1.25	1.39	1.42	1.53	1.75	1.90	2.08	2.28	2.33	2.45	2.46	2.57	2.75	2.96
Indonesia	1.21	1.31	1.35	1.43	1.61	1.66	1.91	2.08	2.21	2.62	2.76	2.87	3.00	2.89	3.14	3.18	3.30	3.59	3.83	3.49
Japan	3.88	3.94	4.04	4.28	4.46	4.87	5.15	5.34	5.39	5.76	5.86	6.24	6.50	6.69	7.03	7.30	7.52	7.36	8.08	7.78
Malaysia	0.45	0.69	0.69	0.70	0.81	0.77	1.14	1.23	1.21	1.26	1.31	1.57	1.96	1.98	2.25	2.77	2.68	2.72	2.93	3.15
New Zealand	0.32	0.39	0.38	0.42	0.23	0.43	0.47	0.49	0.48	0.45	0.43	0.49	0.53	0.47	0.53	0.57	0.60	0.57	0.43	0.39
Pakistan	0.71	0.76	0.82	0.87	0.93	0.99	1.07	1.04	1.21	1.23	1.26	1.37	1.37	1.44	1.64	1.73	1.83	1.99	2.47	2.96
Philippines	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.16	0.25	0.23
Singapore	-	-	-	-	-	-	-	0.10	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.16	0.42	0.46	0.49	0.60
South Korea	-	^	0.21	0.27	0.27	0.31	0.35	0.46	0.58	0.77	0.93	1.23	1.50	1.40	1.71	1.91	2.11	2.34	2.45	2.86
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	0.12	0.11	0.11	0.13	0.13	0.21	0.30	0.30	0.31	0.38	0.42	0.43	0.50	0.60	0.61	0.65	0.71	0.79	0.81	0.99
Thailand	0.31	0.34	0.47	0.55	0.54	0.59	0.73	0.79	0.89	0.99	1.02	1.19	1.49	1.60	1.77	2.05	2.38	2.58	2.75	2.87
Vietnam	^	^	^	^	^	^	^	^	^	^	^	^	^	0.08	0.12	0.15	0.19	0.22	0.22	0.39
Other Asia Pacific	0.27	0.29	0.29	0.26	0.23	0.21	0.25	0.31	0.33	0.35	0.43	0.40	0.44	0.38	0.39	0.36	0.36	0.36	0.44	0.46
Total Asia Pacific	10.51	11.47	12.18	12.95	13.64	14.71	16.14	17.19	18.06	19.66	20.59	22.42	24.29	24.84	26.83	28.80	30.64	32.06	34.72	36.69
Total World	157.33	158.87	167.19	174.52	182.58	188.52	193.27	193.62	196.11	197.31	204.23	213.85	213.19	217.09	223.27	231.57	235.41	242.39	249.16	257.97
of which: OECD	85.03	82.38	86.96	89.59	94.36	96.27	99.76	101.44	105.18	107.70	113.46	119.04	120.51	121.25	124.71	129.47	128.70	131.75	133.57	135.38
Non-OECD	72.30	76.48	80.24	84.94	88.21	92.25	93.51	92.18	90.93	89.61	90.77	94.81	92.68	95.84	98.56	102.10	106.71	110.64	115.59	122.59
European Union #	29.54	29.98	31.42	31.05	31.93	33.49	34.59	33.52	34.97	34.81	37.60	41.29	40.75	41.98	43.39	44.41	45.68	45.82	47.79	48.90

Billion cubic feet per day	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	8.37	8.25	8.80	8.62	8.38	8.54	9.44	9.38	10.09	10.60	10.62	10.25	10.58	11.44	11.64	1.7%	2.9%	3.1%
Mexico	5.10	5.64	5.52	5.79	6.31	6.39	6.85	7.11	7.53	7.63	7.82	8.01	8.32	8.47	8.77	3.5%	3.9%	2.3%
US	57.59	56.75	60.39	60.68	59.76	62.71	63.68	66.40	68.41	69.88	71.94	72.28	71.60	79.33	81.92	3.3%	2.7%	21.5%
Total North America	71.06	70.64	74.70	75.09	74.44	77.65	79.97	82.88	86.02	88.11	90.38	90.54	90.50	99.25	102.33	3.1%	2.8%	26.9%
Argentina	3.80	3.93	4.13	4.17	4.05	4.07	4.24	4.41	4.45	4.47	4.51	4.65	4.67	4.71	4.59	-2.5%	1.2%	1.2%
Brazil	1.95	2.05	2.11	2.48	2.00	2.67	2.66	3.14	3.71	3.93	4.15	3.58	3.64	3.47	3.46	-0.2%	3.4%	0.9%
Chile	0.88	0.82	0.48	0.27	0.27	0.56	0.56	0.51	0.51	0.43	0.47	0.57	0.54	0.62	0.63	1.1%	8.8%	0.2%
Colombia	0.62	0.65	0.69	0.70	0.81	0.85	0.82	0.91	1.01	1.10	1.08	1.17	1.20	1.28	1.30	1.8%	6.2%	0.3%
Ecuador	0.05	0.06	0.05	^	0.06	0.06	0.05	0.07	0.08	0.08	0.08	0.09	0.08	0.07	0.06	-10.6%	3.6%	♦
Peru	0.14	0.17	0.25	0.32	0.32	0.52	0.61	0.66	0.65	0.72	0.74	0.82	0.72	0.77	0.80	3.7%	9.4%	0.2%
Trinidad & Tobago	1.58	1.87	1.90	1.85	1.85	2.01	1.98	1.95	1.97	1.98	1.90	1.63	1.78	1.68	1.70	1.0%	-0.9%	0.4%
Venezuela	2.94	3.38	3.61	3.37	3.31	3.03	3.22	3.34	3.13	3.29	3.58	3.59	3.74	3.06	2.56	-16.3%	-1.0%	0.7%
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	163.7%	n/a	♦
Other Caribbean	0.16	0.21	0.24	0.24	0.24	0.24	0.27	0.31	0.35	0.36	0.36	0.37	0.35	0.40	0.48	21.9%	5.1%	0.1%
Other South America	0.16	0.17	0.19	0.21	0.24	0.25	0.29	0.30	0.32	0.34	0.33	0.34	0.34	0.36	0.36	-0.4%	5.3%	0.1%
Total S. & Cent. America	12.30	13.30	13.66	13.65	13.14	14.25	14.72	15.61	16.19	16.70	17.21	16.81	17.06	16.44	16.00	-2.7%	1.9%	4.2%
Austria	0.92	0.87	0.82	0.88	0.85	0.93	0.87	0.83	0.79	0.73	0.77	0.80	0.88	0.84	0.86	2.5%	-0.4%	0.2%
Belgium	1.63	1.68	1.70	1.68	1.70	1.88	1.60	1.62	1.60	1.40	1.53	1.56	1.59	1.63	1.68	3.0%	-0.3%	0.4%
Bulgaria	0.32	0.33	0.33	0.33	0.23	0.26	0.30	0.28	0.27	0.26	0.29	0.30	0.31	0.29	0.27	-6.4%	-1.1%	0.1%
Croatia	0.27	0.26	0.30	0.29	0.27	0.30	0.29	0.27	0.26	0.23	0.23	0.24	0.28	0.27	0.28	4.5%	-0.7%	0.1%
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Czech Republic	0.87	0.85	0.81	0.80	0.77	0.91	0.77	0.77	0.78	0.70	0.73	0.79	0.81	0.77	0.81	4.3%	-0.4%	0.2%
Denmark	0.50	0.51	0.46	0.46	0.44	0.50	0.42	0.39	0.37	0.32	0.32	0.32	0.31	0.30	0.28	-7.0%	-4.1%	0.1%
Estonia	0.09	0.09	0.09	0.09	0.06	0.06	0.06	0.06	0.06	^	^	^	^	^	^	-8.5%	-6.2%	♦
Finland	0.40	0.43	0.40	0.40	0.36	0.40	0.35	0.31	0.29	0.26	0.22	0.19	0.18	0.20	0.20	-3.8%	-6.6%	0.1%
France	4.62	4.46	4.33	4.48	4.33	4.80	4.16	4.29	4.37	3.67	3.94	4.30	4.33	4.13	4.20	1.7%	-0.8%	1.1%
Germany	8.73	8.90	8.58	8.64	8.17	8.52	7.82	7.83	8.22	7.15	7.45	8.19	8.49	8.31	8.58	3.3%	-0.4%	2.3%
Greece	0.25	0.30	0.38	0.39	0.33	0.36	0.44	0.41	0.36	0.28	0.30	0.39	0.47	0.46	0.50	9.0%	1.6%	0.1%
Hungary	1.36	1.29	1.20	1.19	1.03	1.10	1.06	0.94	0.88	0.79	0.84	0.90	0.96	0.93	0.95	2.0%	-2.4%	0.2%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Ireland	0.39	0.44	0.48	0.50	0.48	0.53	0.47	0.45	0.43	0.42	0.42	0.47	0.49	0.50	0.51	2.0%	♦	0.1%
Italy	8.01	7.84	7.88	7.80	7.19	7.66	7.18	6.89	6.46	5.71	6.22	6.52	6.93	6.70	6.85	2.3%	-1.5%	1.8%
Latvia	0.16	0.16	0.16	0.15	0.14	0.17	0.15	0.14	0.14	0.12	0.12	0.13	0.12	0.13	0.13	-4.4%	-1.4%	♦
Lithuania	0.28	0.28	0.33	0.29	0.25	0.28	0.31	0.30	0.24	0.23	0.23	0.21	0.22	0.22	0.21	-3.6%	-2.9%	0.1%
Luxembourg	0.13	0.14	0.13	0.12	0.13	0.13	0.12	0.12	0.10	0.09	0.09	0.08	0.08	0.08	0.08	0.1%	-4.6%	♦
Netherlands	4.01	3.85	3.75	3.90	4.00	4.52	3.96	3.79	3.78	3.34	3.30	3.39	3.50	3.42	3.56	4.2%	-1.3%	0.9%
North Macedonia	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	16.4%	8.0%	♦
Norway	0.42	0.42	0.40	0.41	0.40	0.39	0.39	0.39	0.38	0.42	0.44	0.42	0.44	0.43	0.43	0.2%	0.5%	0.1%
Poland	1.38	1.39	1.39	1.51	1.46	1.57	1.59	1.68	1.68	1.65	1.65	1.76	1.86	1.93	1.97	2.3%	2.5%	0.5%
Portugal	0.41	0.40	0.42	0.46	0.46	0.50	0.51	0.44	0.42	0.40	0.47	0.49	0.61	0.56	0.59	5.7%	1.9%	0.2%
Romania	1.57	1.60	1.44	1.36	1.19	1.21	1.25	1.21	1.11	1.05	1.00	1.01	1.09	1.12	1.05	-5.9%	-2.0%	0.3%
Slovakia	0.66	0.61	0.57	0.58	0.50	0.56	0.52	0.49	0.51	0.42	0.44	0.44	0.47	0.46	0.47	2.3%	-2.3%	0.1%
Slovenia	0.10	0.10	0.10	0.10	0.09	0.10	0.08	0.08	0.08	0.07	0.07	0.08	0.08	0.08	0.08	0.4%	-1.8%	♦
Spain	3.36	3.51	3.58	3.92	3.51	3.50	3.26	3.21	2.93	2.66	2.76	2.81	3.07	3.04	3.49	14.8%	-2.5%	0.9%
Sweden	0.08	0.09	0.09	0.08	0.11	0.15	0.12	0.10	0.10	0.08	0.09	0.10	0.09	0.10	0.10	3.2%	1.7%	♦
Switzerland	0.31	0.30	0.30	0.32	0.30	0.34	0.30	0.33	0.35	0.30	0.32	0.34	0.34	0.32	0.33	2.4%	0.2%	0.1%
Turkey	2.49	2.82	3.28	3.41	3.26	3.47	4.05	4.18	4.25	4.51	4.45	4.29	4.99	4.57	4.18	-8.5%	3.0%	1.1%
Ukraine	6.99	6.78	6.39	6.05	4.73	5.28	5.43	5.00	4.62	3.90	3.09	3.03	2.92	2.96	2.73	-7.7%	-6.9%	0.7%
United Kingdom	9.62	9.12	9.22	9.44	8.83	9.53	7.93	7.42	7.38	6.78	6.97	7.78	7.60	7.67	7.63	-0.5%	-2.1%	2.0%
Other Europe	0.37	0.43	0.41	0.35	0.29	0.34	0.41	0.38	0.40	0.40	0.44	0.45	0.51	0.52	0.52	1.6%	3.9%	0.1%
Total Europe	60.72	60.26	59.73	60.39	55.87	60.27	56.16	54.58	53.64	48.38	49.26	51.86	54.08	53.02	53.61	1.1%	-1.3%	14.1%
Azerbaijan	0.91	0.96	0.85	0.97	0.83	0.79	0.86	0.90	0.91	0.95	1.08	1.05	1.03	1.05	1.14	9.0%	0.8%	0.3%
Belarus	1.84	1.88	1.88	1.92	1.64	2.01	1.86	1.87	1.86	1.85	1.73	1.72	1.76	1.87	1.86	-0.3%	-0.3%	0.5%
Kazakhstan	0.80	0.85	1.03	1.02	0.98	1.07	1.18	1.25	1.31	1.45	1.48	1.53	1.62	1.84	1.73	-5.8%	6.1%	0.5%
Russian Federation	38.74	40.80	41.49	40.79	38.49	41.02	42.15	41.36	41.11	40.85	39.54	40.59	41.71	43.97	42.99	-2.2%	0.8%	11.3%
Turkmenistan	1.13	1.16	1.08	0.76	1.66	1.77	2.01	2.21	1.87	1.93	2.46	2.42	2.40	2.75	3.05	11.1%	13.7%	0.8%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	4.54	4.19	4.53	4.26	4.26	4.26	4.58	4.46	4.47	4.70	4.48	4.18	4.17	4.29	4.20	-2.2%	0.1%	1.1%
Other CIS	0.49	0.50	0.57	0.57	0.52	0.50	0.53	0.55	0.46	0.51	0.50	0.50	0.49	0.57	0.53	-6.0%	-0.1%	0.1%
Total CIS	48.45	50.35	51.43	50.30	48.37	51.40	53.17	52.61	51.99	52.24	51.28	51.98	53.17	56.34	55.51	-1.5%	1.1%	14.6%
Iran	9.39	10.23	11.47	12.14	13.04	13.97	14.82	14.72	14.88	16.78	17.80	18.94	20.23	21.69	21.64	-0.2%	6.0%	5.7%
Iraq	0.13	0.13	0.44	0.62	0.66	0.69	0.61	0.61	0.68	0.73	0.71	0.95	1.11	1.41	1.93	36.5%	8.5%	0.5%
Israel	0.15	0.21	0.25	0.35	0.39	0.49	0.46	0.24	0.64	0.70	0.78	0.89	0.96	1.02	1.04	2.4%	11.3%	0.3%
Kuwait	1.13	1.14	1.03	1.16	1.15	1.35	1.53	1.69	1.72	1.73	1.97	2.04	2.03	2.05	2.28	11.2%	5.8%	0.6%
Oman	1.04	1.16	1.18	1.29	1.33	1.58	1.75	1.90	2.10	2.06	2.22	2.20	2.26	2.42	2.42	0.1%	6.5%	0.6%
Qatar	1.73	1.72	1.86	2.00	2.06	2.46	2.77	3.24	3.44	3.73	4.10	3.88	3.86	4.00	3.97	-0.7%	7.2%	1.0%
Saudi Arabia	6.55	6.75	6.84	7.37	7.21	8.06	8.48	9.10	9.19	9.41	9.60	10.16	10.57	10.85	11.00	1.4%	3.9%	2.9%
United Arab Emirates	3.97	4.09	4.64	5.59	5.57	5.73	5.96	6.17	6.26	6.14	6.92	7.02	7.23	7.20	7.35	2.2%	2.6%	1.9%
Other Middle East	1.67	1.83	1.89	2.00	2.19	2.44	2.12	1.96	2.03	2.03	2.17	2.22	2.27	2.18	2.40	9.9%	0.9%	0.6%
Total Middle East	25.76	27.27	29.60	32.53	33.60	36.77	38.52	39.64	40.95	43.29	46.27	48.32	50.52	52.81	54.02	2.3%	5.0%	14.2%
Algeria	2.16	2.21	2.26	2.35	2.54	2.45	2.59	2.88	3.11	3.49	3.67	3.72	3.82	4.20	4.38	4.2%	6.0%	1.2%
Egypt	2.94	3.40	3.57	3.79	3.96	4.20	4.62	4.89	4.79	4.47	4.45	4.76	5.41	5.77	5.70	-1.1%	4.3%	1.5%
Morocco	^	0.05	0.06	0.06	0.06	0.07	0.09	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.09	-5.2%	5.8%	♦
South Africa	0.33	0.36	0.37	0.38	0.32	0.40	0.41	0.42	0.39	0.42	0.42	0.44	0.43	0.43	0.41	-4.2%	1.4%	0.1%
Eastern Africa	^	0.05	0.06	0.06	0.07	0.08	0.09	0.11	0.11	0.12	0.16	0.20	0.19	0.20	0.22	11.1%	12.7%	0.1%
Middle Africa	0.29	0.29	0.27	0.32	0.32	0.35	0.39	0.39	0.35	0.35	0.39	0.49	0.50	0.49	0.44	-9.5%	4.4%	0.1%
Western Africa	1.11	0.97	1.21	1.13	0.85	0.83	1.19	1.25	1.23	1.55	2.30	2.03	2.14	2.26	2.32	2.5%	7.2%	0.6%
Other Northern Africa	0.98	0.91	1.00	1.06	1.13	1.19	0.98	1.05	1.19	1.10	0.94	0.99	0.96	0.95	0.96	0.4%	-1.0%	0.3%
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	-
Total Africa	7.91	8.25	8.79	9.15	9.25	9.57	10.37	11.11	11.28	11.60	12.43	12.74	13.55	14.40	14.53	0.9%	4.6%	3.8%
Australia	2.25	2.51	2.81	2.75	2.82	3.27	3.41	3.41	3.60	3.88	4.07	4.03	3.99	4.01	5.20	29.7%	3.8%	1.4%
Bangladesh	1.28	1.39	1.48	1.58	1.81	1.86	1.89	2.06	2.12	2.23	2.50	2.55	2.57	2.65	3.32	25.3%	5.3%	0.9%
China	4.54	5.59	6.88	7.91	8.73	10.53	13.08	14.56	16.63	18.22	18.84	20.21	23.26	27.38	29.74	8.6%	13.2%	7.8%
China Hong Kong SAR	0.24	0.27	0.25	0.29	0.28	0.35	0.28	0.25	0.24	0.23	0.29	0.30	0.30	0.29	0.30	3.3%	0.2%	0.1%
India	3.32	3.47	3.75	3.86	4.75	5.70	5.83	5.37	4.74	4.69	4.63	4.90	5.20	5.62	5.77	2.7%	3.8%	1.5%
Indonesia	3.52	3.59	3.35	3.83	4.07	4.26	4.13	4.15	4.31	4.26	4.43	4.31	4.18	4.31	4.24	-1.6%	1.2%	1.1%
Japan	8.00	8.57	9.23	9.56	8.95	9.67	10.84	11.89	11.95	12.07	11.49	11.23	11.32	11.20	10.46	-6.6%	1.6%	2.8%
Malaysia	3.62	3.76	3.91	4.20	3.87	3.68	3.71	4.05	4.31	4.33	4.53	4.34	4.36	3.97	4.09	3.1%	-0.6%	1.1%
New Zealand	0.36	0.37	0.41	0.38	0.39	0.43	0.39	0.43	0.45	0.50	0.47	0.46	0.48	0.43	0.46	8.9%	1.2%	0.1%
Pakistan	3.16	3.22	3.27	3.34	3.36	3.42	3.42	3.53	3.44	3.39	3.53	3.73	3.94	4.22	4.42	4.8%	2.4%	1.2%
Philippines	0.30	0.28	0.34	0.36	0.36	0.34	0.37	0.35	0.33	0.34	0.32	0.37	0.37	0.40	0.39	-0.2%	1.0%	0.1%
Singapore	0.60	0.79	0.79	0.84	0.89	0.81	0.80	0.86	0.97	1.01	1.12	1.15	1.19	1.19	1.23	3.7%	3.5%	0.3%
South Korea	3.07	3.24	3.51	3.60	3.43	4.36	4.69	5.07	5.32	4.84	4.42	4.60	4.81	5.59	5.41	-3.2%	4.5%	1.4%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Taiwan	1.00	1.07	1.14	1.23	1.21	1.50	1.65	1.73	1.74	1.83	1.95	2.02	2.25	2.29	2.25	-1.7%	6.4%	0.6%
Thailand	3.10	3.19	3.40	3.56	3.69	4.18	4.29	4.69	4.73	4.83	4.93	4.88	4.85	4.84	4.92	1.6%	3.1%	1.3%
Vietnam	0.60	0.65	0.66	0.70	0.75	0.88	0.79	0.87	0.91	0.95	1.00	0.99	0.92	0.93	0.95	2.0%	3.0%	0.3%
Other Asia Pacific	0.54	0.55	0.62	0.61	0.53	0.66	0.73	0.82	0.83	0.98	1.16	1.10	1.10	1.09	0.99	-8.9%	6.0%	0.3%
Total Asia Pacific	39.52	42.52	45.80	48.60	49.89	55.89	60.30	64.11	66.62	68.58	69.68	71.16	75.09	80.40	84.17	4.7%	5.2%	22.1%
Total World	265.72	272.61	283.71	289.70	284.56	305.80	313.20	320.53	326.70	328.90	336.51	343.40	353.97	372.66	380.16	2.0%	2.6%	100.0%
of which: OECD	136.99	137.22	142.24	143.99	139.83	149.28	148.79	151.86	155.47	153.06	156.26	159.12	161.53	169.95	174.26	2.5%	1.7%	45.8%
Non-OECD	128.73	135.39	141.47	145.71	144.73	156.52	164.40	168.67	171.22	175.85	180.24	184.28	192.44	202.71	205.91	1.6%	3.4%	54.2%
European Union #	50.13	49.50	48.94	49.84	46.88	50.44	45.57	44.29	43.62	38.84	40.51	43.31	44.88	44.24	45.43	2.7%	-1.2%	12.0%

* Excludes natural gas converted to liquid fuels but includes derivatives of coal as well as natural gas consumed in Gas-to-Liquids transformation.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: The difference between these world consumption figures and the world production statistics is due to variations in stocks at storage facilities and liquefaction plants, together with unavoidable disparities in the definition, measurement or conversion of gas supply and demand data.
Annual changes and shares of total are calculated using billion cubic feet per day figures.

Source: Includes data from Cedigaz, FGE MENAgas service.

Natural Gas: Consumption*

Contents

Exajoules	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Canada	0.78	0.85	0.91	1.01	1.13	1.25	1.33	1.50	1.59	1.61	1.66	1.68	1.76	1.78	1.80	1.79	1.74	1.84	1.75
Mexico	0.29	0.31	0.26	0.28	0.35	0.36	0.37	0.40	0.44	0.46	0.47	0.46	0.49	0.62	0.75	0.80	0.87	0.94	0.97
US	14.97	16.14	17.04	18.24	19.63	20.70	21.34	21.55	21.38	20.64	18.94	19.32	18.93	18.99	19.62	19.21	18.75	17.43	16.35
Total North America	16.04	17.30	18.21	19.53	21.11	22.30	23.04	23.45	23.41	22.71	21.08	21.46	21.17	21.38	22.17	21.81	21.36	20.21	19.07
Argentina	0.15	0.16	0.17	0.19	0.19	0.21	0.23	0.26	0.29	0.31	0.32	0.35	0.37	0.36	0.37	0.40	0.42	0.48	0.52
Brazil	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.03	0.05	0.06
Chile	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.03
Colombia	0.03	0.03	0.04	0.04	0.05	0.04	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.09	0.09	0.10	0.11	0.12	0.13
Ecuador	-	-	-	-	-	^	^	^	^	^	0.01	^	^	^	^	^	^	^	^
Peru	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02
Trinidad & Tobago	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.09	0.09	0.10	0.11	0.14	0.14
Venezuela	0.27	0.28	0.31	0.32	0.33	0.31	0.30	0.30	0.37	0.39	0.38	0.47	0.51	0.51	0.57	0.59	0.59	0.63	0.62
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Caribbean	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Other South America	^	^	^	^	^	^	^	^	^	0.01	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total S. & Cent. America	0.53	0.57	0.61	0.64	0.66	0.68	0.69	0.73	0.83	0.87	0.87	1.02	1.10	1.13	1.22	1.30	1.34	1.49	1.54
Austria	0.06	0.07	0.06	0.07	0.08	0.10	0.12	0.13	0.14	0.15	0.15	0.17	0.17	0.18	0.18	0.17	0.16	0.16	0.16
Belgium	^	^	0.02	0.04	0.09	0.14	0.20	0.25	0.30	0.35	0.35	0.37	0.36	0.36	0.39	0.37	0.34	0.29	0.30
Bulgaria	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.07	0.09	0.10	0.10	0.13	0.14	0.16	0.17
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.11	0.11	0.12	0.14
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	-	-	-	-	-	-	-	-	-	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
France	0.18	0.19	0.22	0.26	0.30	0.34	0.41	0.48	0.57	0.59	0.66	0.71	0.74	0.79	0.87	0.91	0.92	0.88	0.94
Germany	0.11	0.13	0.17	0.28	0.40	0.58	0.76	0.98	1.27	1.59	1.67	1.77	1.88	2.02	2.23	2.20	2.10	1.95	2.03
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Hungary	0.05	0.06	0.08	0.10	0.12	0.13	0.14	0.15	0.17	0.19	0.21	0.25	0.27	0.29	0.31	0.33	0.34	0.36	0.36
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.03	0.04	0.06	0.07
Italy	0.27	0.29	0.32	0.37	0.41	0.44	0.46	0.52	0.59	0.66	0.76	0.92	0.94	0.93	0.95	0.94	0.92	0.91	0.94
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	-	-	-	-	^	^	^	^	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
Netherlands	0.05	0.10	0.18	0.31	0.45	0.64	0.83	1.08	1.20	1.28	1.33	1.38	1.39	1.39	1.39	1.27	1.21	1.15	1.23
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.02	0.03	0.03	0.04	0.04	0.04
Poland	0.06	0.07	0.09	0.12	0.17	0.22	0.24	0.25	0.26	0.27	0.29	0.31	0.33	0.34	0.36	0.37	0.35	0.35	0.35
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	0.51	0.55	0.60	0.64	0.74	0.77	0.82	0.83	0.88	0.91	0.99	1.09	1.15	1.19	1.15	1.19	1.25	1.27	1.27
Slovakia	0.01	0.01	0.01	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.13	0.13	0.10	0.10	0.11	0.11
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	-	-	-	-	^	^	0.01	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.08	0.09	0.10
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Switzerland	-	-	-	-	^	^	^	^	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	0.03	0.03	0.05	0.11	0.22	0.43	0.69	0.97	1.05	1.26	1.32	1.40	1.49	1.54	1.69	1.69	1.71	1.70	1.77
Other Europe	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.12	0.12	0.14	0.16
Total Europe	1.36	1.55	1.85	2.40	3.09	3.91	4.81	5.86	6.66	7.54	8.09	8.80	9.22	9.59	10.12	10.11	10.01	9.82	10.21
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	4.38	4.89	5.38	5.81	6.21	6.82	7.46	7.84	8.53	9.04	9.87	10.86	11.64	12.41	13.17	13.57	14.37	15.52	16.64
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	4.38	4.89	5.38	5.81	6.21	6.82	7.46	7.84	8.53	9.04	9.87	10.86	11.64	12.41	13.17	13.57	14.37	15.52	16.64
Iran	0.03	0.03	0.03	0.03	0.04	0.09	0.11	0.12	0.15	0.15	0.15	0.17	0.18	0.14	0.18	0.16	0.18	0.24	0.28
Iraq	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.06	0.04	0.04	0.06	0.04	0.02	0.02	0.02
Israel	^	^	^	^	0.01	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Kuwait	0.06	0.08	0.09	0.11	0.13	0.07	0.07	0.09	0.10	0.10	0.11	0.13	0.14	0.16	0.21	0.14	0.16	0.13	0.14
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.02	0.02	0.03	0.03	0.04
Qatar	^	^	^	0.02	0.03	0.04	0.04	0.04	0.06	0.05	0.07	0.04	0.06	0.06	0.16	0.18	0.16	0.19	0.20
Saudi Arabia	0.02	0.03	0.03	0.04	0.05	0.06	0.05	0.05	0.06	0.08	0.09	0.10	0.14	0.19	0.24	0.33	0.39	0.41	0.40
United Arab Emirates	-	-	0.02	0.02	0.02	0.03	0.05	0.05	0.06	0.06	0.06	0.07	0.12	0.14	0.15	0.17	0.22	0.23	0.21
Other Middle East	^	^	^	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.09	0.08	0.13	0.14
Total Middle East	0.14	0.17	0.20	0.26	0.31	0.34	0.38	0.43	0.52	0.55	0.61	0.66	0.77	0.84	1.14	1.14	1.24	1.38	1.41
Algeria	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.06	0.07	0.10	0.12	0.13	0.21	0.29	0.39	0.51	0.58	0.64
Egypt	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.03	0.04	0.08	0.08	0.09	0.11
Morocco	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
South Africa	-	-	-	-	-	-	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Eastern Africa	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Middle Africa	^	^	^	^	^	^	^	0.01	0.02	0.02	0.01	^	^	^	^	0.01	0.01	0.01	0.01
Western Africa	^	0.01	0.01	0.01	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.10
Other Northern Africa	^	^	^	^	^	0.01	0.01	0.02	0.04	0.04	0.06	0.05	0.06	0.07	0.14	0.13	0.12	0.11	0.11
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	0.03	0.04	0.04	0.04	0.04	0.06	0.07	0.09	0.14	0.16	0.19	0.22	0.25	0.35	0.54	0.67	0.82	0.89	0.98
Australia	^	^	^	^	0.01	0.06	0.09	0.13	0.17	0.19	0.21	0.25	0.28	0.30	0.35	0.40	0.43	0.42	0.46
Bangladesh	-	-	-	-	-	-	-	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.07
China	0.04	0.05	0.05	0.05	0.07	0.10	0.14	0.18	0.22	0.27	0.32	0.37	0.44	0.50	0.53	0.52	0.46	0.43	0.44
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.04	0.07	0.09	0.11
Indonesia	0.02	0.02	0.02	0.02	0.04	0.05	0.05	0.04	0.03	0.04	0.09	0.09	0.18	0.21	0.27	0.26	0.26	0.24	0.33
Japan	0.07	0.07	0.07	0.08	0.08	0.13	0.14	0.14	0.19	0.26	0.31	0.38	0.46	0.65	0.77	0.91	0.91	0.93	1.00
Malaysia	-	-	-	-	-	^	^	^	^	0.01	0.01	0.01	0.01	0.08	0.11	0.09	0.08	0.10	0.14
New Zealand	-	-	-	-	-	^	^	0.01	0.01	0.01	0.01	0.03	0.05	0.05	0.03	0.03	0.04	0.07	0.07
Pakistan	0.05	0.06	0.07	0.08	0.10	0.10	0.10	0.10	0.11	0.12	0.14	0.14	0.15	0.16	0.18	0.22	0.24	0.26	0.25
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	0.01	0.01	0.01	0.02	0.02	0.02	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.05
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.05	0.06
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Other Asia Pacific	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.07	0.06	0.05	0.06	0.04	0.06	0.07	0.08	0.08	0.09
Total Asia Pacific	0.20	0.22	0.26	0.28	0.37	0.51	0.61	0.71	0.87	1.09	1.26	1.46	1.80	2.16	2.47	2.65	2.68	2.78	3.08
Total World	22.69	24.73	26.55	28.96	31.80	34.61	37.05	39.10	40.96	41.96	41.98	44.48	45.94	47.86	50.83	51.26	51.82	52.09	52.93
of which: OECD	16.98	18.37	19.53	21.36	23.56	25.61	27.24	28.72	29.51	29.75	28.63	29.71	29.89	30.62	32.12	31.84	31.26	29.89	29.25
Non-OECD	5.71	6.35	7.02	7.60	8.25	9.00	9.81	10.38	11.45	12.21	13.35	14.77	16.05	17.25	18.72	19.42	20.56	22.19	23.68
European Union #	1.35	1.53	1.83	2.38	3.07	3.87	4.77	5.80	6.59	7.47	8.01	8.71	9.10	9.45	9.97	9.93	9.82	9.60	9.97

Exajoules	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Canada	1.95	2.04	1.97	1.99	2.19	2.37	2.30	2.31	2.45	2.60	2.69	2.78	2.83	2.88	2.84	3.03	3.21	3.03	3.15	3.23	3.16	3.12	3.07
Mexico	0.97	0.99	0.88	0.90	0.91	0.89	0.97	1.02	1.02	1.02	1.08	1.10	1.13	1.13	1.21	1.22	1.29	1.30	1.48	1.60	1.73	1.90	2.10
US	17.47	16.81	15.75	16.75	17.52	18.61	18.61	19.02	19.67	20.16	20.63	21.53	21.92	22.05	21.68	21.75	22.62	21.62	22.32	21.68	21.77	21.43	21.12
Total North America	20.38	19.84	18.60	19.64	20.62	21.87	21.87	22.35	23.14	23.78	24.41	25.41	25.87	26.07	25.72	26.00	27.13	25.95	26.95	26.51	26.66	26.44	26.28
Argentina	0.55	0.56	0.61	0.61	0.71	0.74	0.71	0.72	0.78	0.83	0.85	0.94	1.08	1.00	1.07	1.13	1.16	1.09	1.06	1.21	1.33	1.41	1.46
Brazil	0.07	0.09	0.11	0.12	0.12	0.12	0.11	0.12	0.13	0.16	0.17	0.19	0.21	0.23	0.24	0.28	0.35	0.44	0.52	0.58	0.70	0.72	0.76
Chile	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.07	0.08	0.08	0.08	0.07	0.08	0.10	0.14	0.20	0.25	0.29	0.29	0.31	0.34	0.33	0.30
Colombia	0.13	0.13	0.13	0.14	0.14	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.16	0.20	0.24	0.20	0.21	0.21	0.22	0.21	0.22	0.23	0.24
Ecuador	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	0.01	0.02	0.02	0.02
Peru	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.06
Trinidad & Tobago	0.15	0.15	0.16	0.16	0.19	0.19	0.20	0.20	0.19	0.22	0.25	0.27	0.30	0.33	0.33	0.33	0.35	0.39	0.42	0.49	0.54	0.59	0.69
Venezuela	0.69	0.69	0.76	0.74	0.76	0.78	0.88	0.88	0.86	0.93	0.99	1.10	1.19	1.23	1.29	1.10	1.12	1.18	1.14	1.01	1.14	1.10	1.26
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Caribbean	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.04	0.05	0.05	0.06	0.06	0.06	0.08
Other South America	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.06
Total S. & Cent. America	1.66	1.70	1.83	1.84	2.00	2.07	2.14	2.18	2.24	2.41	2.53	2.79	3.09	3.15	3.38	3.33	3.54	3.71	3.75	3.95	4.41	4.58	4.95
Austria	0.18	0.19	0.19	0.20	0.19	0.20	0.22	0.24	0.23	0.24	0.25	0.27	0.29	0.28	0.29	0.29	0.28	0.30	0.29	0.32	0.33	0.34	0.32
Belgium	0.31	0.31	0.28	0.31	0.30	0.34	0.34	0.37	0.38	0.40	0.41	0.45	0.50	0.48	0.52	0.56	0.56	0.55	0.57	0.61	0.62	0.61	0.63
Bulgaria	0.18	0.19	0.19	0.21	0.21	0.21	0.23	0.19	0.17	0.16	0.16	0.19	0.19	0.16	0.13	0.11	0.12	0.10	0.09	0.10	0.09	0.12	0.12
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	0.14	0.18	0.19	0.20	0.20	0.21	0.22	0.21	0.24	0.25	0.24	0.27	0.32	0.32	0.32	0.32	0.31	0.34	0.32	0.33	0.33	0.32	0.32
Denmark	^	0.02	0.04	0.05	0.07	0.07	0.08	0.09	0.09	0.10	0.12	0.13	0.16	0.16	0.18	0.19	0.18	0.19	0.19	0.20	0.19	0.19	0.19
Estonia	n/a	0.04	0.03	0.04	0.04	0.04	0.05	0.05	0.03	0.01	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.03
Finland	0.03	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.10	0.10	0.11	0.12	0.12	0.12	0.14	0.14	0.14	0.15	0.15	0.17	0.16	0.15	0.16
France	0.96	1.03	1.03	1.05	1.04	1.02	1.09	1.19	1.19	1.22	1.16	1.24	1.37	1.31	1.40	1.43	1.50	1.57	1.57	1.65	1.68	1.72	1.66
Germany	2.12	2.09	2.09	2.26	2.23	2.28	2.29	2.41	2.38	2.52	2.57	2.80	3.13	2.99	3.02	3.01	2.99	3.15	3.14	3.18	3.20	3.25	3.31
Greece	^	^	^	^	0.01	0.01	0.01	0.01	0.01	^	^	^	^	0.01	0.03	0.05	0.07	0.07	0.07	0.08	0.09	0.09	0.11
Hungary	0.36	0.37	0.39	0.39	0.38	0.39	0.37	0.37	0.33	0.35	0.35	0.38	0.43	0.41	0.41	0.41	0.40	0.45	0.45	0.50	0.49	0.51	0.48
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	0.07	0.08	0.05	0.05	0.06	0.07	0.08	0.08	0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.15	0.15	0.15	0.15	0.15	0.17
Italy	1.10	1.12	1.19	1.32	1.43	1.55	1.64	1.74	1.72	1.76	1.70	1.87	1.93	2.00	2.16	2.34	2.44	2.45	2.43	2.68	2.78	2.98	2.92
Latvia	n/a	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.05	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06
Lithuania	n/a	0.15	0.15	0.15	0.16	0.17	0.20	0.20	0.12	0.06	0.07	0.08	0.09	0.08	0.07	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10
Luxembourg	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.05	0.05
Netherlands	1.31	1.38	1.38	1.42	1.28	1.32	1.33	1.48	1.44	1.48	1.43	1.47	1.63	1.53	1.51	1.47	1.48	1.51	1.49	1.50	1.54	1.49	1.43
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^
Norway	0.04	0.04	0.05	0.05	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.11	0.12	0.14	0.14	0.14	0.15	0.14	0.15	0.16	0.17	0.16	0.15
Poland	0.37	0.37	0.40	0.41	0.41	0.40	0.37	0.35	0.32	0.34	0.34	0.38	0.40	0.39	0.40	0.39	0.42	0.43	0.42	0.47	0.50	0.51	0.52
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.03	0.08	0.08	0.09	0.11	0.11	0.14	0.15	0.15
Romania	1.26	1.18	1.20	1.18	1.18	1.17	1.21	1.00	0.89	0.85	0.78	0.81	0.81	0.67	0.63	0.57	0.57	0.55	0.57	0.62	0.58	0.58	0.59
Slovakia	0.12	0.13	0.13	0.14	0.14	0.16	0.21	0.19	0.21	0.21	0.20	0.22	0.23	0.23	0.24	0.24	0.24	0.26	0.25	0.24	0.23	0.25	0.23
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.04	0.04
Spain	0.08	0.09	0.10	0.11	0.14	0.18	0.21	0.23	0.25	0.24	0.26	0.32	0.36	0.47	0.49	0.56	0.64	0.69	0.78	0.89	1.05	1.25	1.31
Sweden	-	^	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Switzerland	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.11	0.10	0.11	0.11	0.12	0.11
Turkey	^	^	0.01	0.02	0.04	0.11	0.12	0.14	0.16	0.17	0.18	0.23	0.27	0.34	0.35	0.43	0.50	0.55	0.60	0.72	0.76	0.93	1.05
Ukraine	n/a	3.06	3.23	3.30	3.50	3.53	4.35	4.14	3.53	3.17	2.77	2.60	3.01	2.71	2.51	2.67	2.67	2.59	2.55	2.60	2.58	2.60	2.52
United Kingdom	1.82	1.95	1.98	2.04	1.94	1.90	1.98	2.13	2.12	2.42	2.49	2.66	3.10	3.18	3.31	3.52	3.65	3.63	3.58	3.59	3.67	3.58	3.39
Other Europe	0.17	0.35	0.37	0.41	0.41	0.43	0.30	0.28	0.27	0.19	0.14	0.13	0.10	0.12	0.11	0.10	0.11	0.11	0.11	0.12	0.14	0.14	0.16
Total Europe	10.70	14.50	14.87	15.52	15.66	16.09	17.38	17.59	16.63	16.71	16.23	17.15	19.00	18.56	18.83	19.58	20.11	20.50	20.57	21.49	22.02	22.59	22.42
Azerbaijan	n/a	0.48	0.53	0.52	0.52	0.54	0.55	0.53	0.41	0.30	0.28	0.28	0.21	0.20	0.18	0.20	0.19	0.27	0.27	0.28	0.33	0.34	0.36
Belarus	n/a	0.31	0.32	0.36	0.41	0.44	0.47	0.49	0.57	0.52	0.46	0.41	0.44	0.50	0.51	0.52	0.55	0.54	0.56	0.55	0.67	0.68	0.70
Kazakhstan	n/a	0.32	0.39	0.41	0.43	0.44	0.47	0.50	0.51	0.49	0.35	0.41	0.34	0.27	0.27	0.30	0.19	0.17	0.17	0.20	0.23	0.30	0.32
Russian Federation	n/a	12.82	12.97	13.72	14.47	14.69	14.91	15.30	14.81	14.77	13.87	13.41	13.48	12.43	12.94	12.90	13.18	13.40	13.56	13.88	14.24	14.41	15.18
Turkmenistan	n/a	0.29	0.48	0.47	0.48	0.50	0.33	0.33	0.32	0.32	0.35	0.27	0.43	0.30	0.37	0.33	0.26	0.38	0.27	0.42	0.41	0.42	0.43
USSR	18.16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	1.12	1.08	1.13	1.12	1.18	1.26	1.26	1.27	1.39	1.41	1.44	1.50	1.47	1.48	1.71	1.75	1.77	1.82	1.64	1.66	1.69	1.56
Other CIS	n/a	0.28	0.27	0.30	0.39	0.44	0.40	0.33	0.30	0.22	0.19	0.18	0.20	0.21	0.22	0.17	0.16	0.17	0.16	0.14	0.17	0.18	0.19
Total CIS	18.16	15.63	16.04	16.91	17.82	18.22	18.40	18.74	18.19	18.00	16.91	16.41	16.60	15.39	15.97	16.14	16.28	16.70	16.81	17.12	17.71	18.03	18.73
Iran	0.32	0.35	0.33	0.41	0.45	0.56	0.82	0.96	1.10	0.59	0.94	1.15	1.35	1.43	1.66	1.98	2.14	2.40	2.82	2.89	3.36	3.49	3.81
Iraq	0.02	0.03	0.05	0.13	0.19	0.22	0.14	0.06	0.08	0.09	0.11	0.11	0.11	0.10	0.10	0.11	0.11	0.09	0.08	0.05	0.03	0.05	0.05
Israel	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.04	0.06	0.08
Kuwait	0.15	0.14	0.20	0.16	0.23	0.28	0.14	0.02	0.09	0.19	0.20	0.32	0.32	0.32	0.32	0.30	0.33	0.32	0.30	0.34	0.37	0.42	0.42
Oman	0.05	0.06	0.07	0.08	0.08	0.08	0.09	0.09	0.10	0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.28	0.30	0.32	0.34	0.31	0.39	0.43
Qatar	0.22	0.20	0.22	0.21	0.22	0.23	0.23	0.28	0.47	0.50	0.50	0.50	0.35	0.37	0.40	0.46	0.41	0.38	0.41	0.47	0.57	0.64	0.64
Saudi Arabia	0.62	0.64	0.86	0.92	1.00	1.02	1.15	1.20	1.31	1.37	1.46	1.47	1.52	1.55	1.60	1.58	1.70	1.84	1.94	2.05	2.25	2.44	2.51
United Arab Emirates	0.29	0.36	0.43	0.49	0.50	0.61	0.59	0.71	0.66	0.69	0.80	0.87	0.95	1.02	1.07	1.10	1.10	1.13	1.28	1.33	1.41	1.48	1.52
Other Middle East	0.14	0.18	0.21	0.20	0.23	0.26	0.28	0.28	0.32	0.33	0.35	0.37	0.39	0.46	0.52	0.53	0.53	0.55	0.58	0.63	0.60	0.62	0.68
Total Middle East	1.82	1.96	2.37	2.60	2.89	3.26	3.44	3.60	4.12	3.86	4.46	4.91	5.12	5.41	5.84	6.23	6.60	7.01	7.73	8.11	8.94	9.59	10.15
Algeria	0.56	0.55	0.61	0.62	0.70	0.66	0.70	0.69	0.72	0.64	0.68	0.73	0.75	0.70	0.72	0.74	0.69	0.71	0.70	0.74	0.76	0.80	0.82
Egypt	0.14	0.17	0.20	0.22	0.24	0.27	0.28	0.31	0.34	0.39	0.42	0.44	0.45	0.46	0.47	0.57	0.69	0.85	0.92	1.03	1.10	1.09	1.26
Morocco	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.02	0.02
South Africa	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.07	0.07	0.05	0.05	0.05	0.04	0.03	0.03	0.04	0.04	0.05	0.05	0.04	0.09	0.12	0.13
Eastern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.02	0.02
Middle Africa	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.07	0.08	0.09	0.11	0.11
Western Africa	0.10	0.09	0.11	0.10	0.13	0.15	0.14	0.13	0.15	0.17	0.15	0.17	0.21	0.20	0.25	0.18	0.26	0.33	0.40	0.42	0.40	0.41	0.36
Other Northern Africa	0.12	0.16	0.19	0.19	0.19	0.24	0.22	0.21	0.22	0.22	0.24	0.26	0.27	0.28	0.29	0.26	0.29	0.32	0.31	0.30	0.38	0.37	0.34
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	0.94	1.00	1.13	1.16	1.29	1.34	1.44	1.45	1.52	1.49	1.55	1.66	1.74	1.71	1.80	1.81	2.00	2.31	2.45	2.61	2.84	2.94	3.07
Australia	0.45	0.48	0.53	0.54	0.55	0.60	0.60	0.58	0.60	0.62	0.69	0.70	0.70	0.69	0.71	0.73	0.74	0.80	0.82	0.83	0.84	0.84	0.93
Bangladesh	0.08	0.09	0.10	0.12	0.14	0.15	0.16	0.17	0.18	0.21	0.22	0.24	0.26	0.26	0.28	0.30	0.33	0.37	0.38	0.41	0.44	0.48	0.52
China	0.45	0.47	0.50	0.50	0.52	0.55	0.56	0.56	0.57	0.61	0.64	0.64	0.67	0.71	0.73	0.78	0.89	1.00	1.06	1.23	1.44	1.69	2.08
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	^	0.07	0.11	0.10	0.11	0.10	0.10	0.10	0.06	0.09	0.09	0.10
India	0.13	0.16	0.22	0.25	0.29	0.35	0.42	0.46	0.52	0.53	0.57	0.65	0.71	0.77	0.85	0.87	0.91	0.92	0.96	1.02	1.10	1.24	1.29
Indonesia	0.38	0.45	0.49	0.50	0.53	0.60	0.62	0.71	0.78	0.82	0.97	1.03	1.07	1.12	1.08	1.17	1.19	1.23	1.34	1.42	1.30	1.31	1.34
Japan	1.35	1.44	1.47	1.50	1.60	1.66	1.81	1.92	1.99	2.00	2.14	2.18	2.33	2.42	2.49	2.62	2.72	2.80	2.74	3.01	2.90	2.98	3.19
Malaysia	0.17	0.17	0.26	0.26	0.26	0.30	0.28	0.42	0.46	0.45	0.47	0.49	0.59	0.73	0.74	0.84	1.04	1.00	1.01	1.09	1.18	1.35	1.40
New Zealand	0.09	0.12	0.15	0.14	0.16	0.09	0.16	0.17	0.18	0.18	0.17	0.16	0.18	0.20	0.17	0.20	0.21	0.22	0.21	0.16	0.15	0.14	0.14
Pakistan	0.26	0.27	0.28	0.30	0.32	0.34	0.37	0.40	0.39	0.45	0.46	0.47	0.51	0.51	0.54	0.61	0.65	0.68	0.74	0.92	1.10	1.17	1.20
Philippines	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.06	0.09	0.09	0.11	0.11
Singapore	-	-	-	-	-	-	-	-	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.16	0.17	0.18	0.22	0.22	0.29
South Korea	-	-	^	0.08	0.10	0.10	0.11	0.13	0.17	0.22	0.29	0.35	0.46	0.56	0.52	0.63	0.71	0.78	0.87	0.91	1.07	1.14	1.21
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	0.05	0.04	0.04	0.04	0.05	0.05	0.08	0.11	0.11	0.12	0.14	0.16	0.16	0.19	0.22	0.23	0.24	0.26	0.29	0.30	0.37	0.37	0.40
Thailand	0.09	0.12	0.13	0.17	0.21	0.20	0.22	0.27	0.29	0.33	0.37	0.38	0.44	0.56	0.59	0.66	0.76	0.88	0.96	1.02	1.07	1.15	1.19
Vietnam	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.08	0.14	0.22	0.24
Other Asia Pacific	0.09	0.10	0.11	0.11	0.10	0.09	0.08	0.09	0.11	0.12	0.13	0.16	0.15	0.16	0.14	0.15	0.13	0.13	0.14	0.16	0.17	0.20	0.21
Total Asia Pacific	3.60	3.91	4.27	4.53	4.83	5.07	5.47	6.00	6.41	6.72	7.32	7.66	8.37	9.04	9.24	9.98	10.74	11.40	11.93	12.92	13.69	14.71	15.82
Total World	57.25	58.54	59.11	62.21	65.12	67.93	70.14	71.91	72.24	72.97	73.42	75.99	79.79	79.32	80.78	83.07	86.40	87.59	90.19	92.71	96.25	98.87	101.43
of which: OECD	31.38	31.64	30.65	32.36	33.42	35.11	35.82	37.12	37.85	39.14	40.07	42.22	44.41	44.84	45.11	46.40	48.31	47.89	49.02	49.70	50.51	50.97	51.06
Non-OECD	25.86	26.90	28.46	29.85	31.69	32.82	34.32	34.79	34.39	33.83	33.34	33.77	35.38	34.48	35.66	36.67	38.09	39.70	41.17	43.01	45.74	47.90	50.38
European Union #	10.43	10.99	11.16	11.69	11.59	11.88	12.46	12.87	12.51	13.01	12.95	13.99	15.41	15.16	15.62	16.14	16.57	17.00	17.05	17.78	18.24	18.65	18.42

														Growth rate per annum		Share
Exajoules	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019	2008-18	2019
Canada	3.27	3.22	3.12	3.18	3.51	3.50	3.75	3.95	3.95	3.82	3.94	4.26	4.33	1.7%	2.8%	3.1%
Mexico	2.05	2.16	2.35	2.38	2.55	2.65	2.80	2.84	2.91	2.99	3.10	3.15	3.26	3.5%	3.9%	2.3%
US	22.47	22.64	22.23	23.33	23.70	24.77	25.45	26.00	26.77	26.97	26.64	29.52	30.48	3.3%	2.7%	21.5%
Total North America	27.79	28.02	27.70	28.89	29.76	30.92	32.01	32.79	33.63	33.78	33.67	36.93	38.07	3.1%	2.8%	26.9%
Argentina	1.54	1.55	1.51	1.52	1.58	1.64	1.66	1.66	1.68	1.74	1.74	1.75	1.71	-2.5%	1.2%	1.2%
Brazil	0.78	0.92	0.74	0.99	0.99	1.17	1.38	1.46	1.55	1.34	1.35	1.29	1.29	-0.2%	3.4%	0.9%
Chile	0.18	0.10	0.10	0.21	0.21	0.19	0.19	0.16	0.17	0.21	0.20	0.23	0.23	1.1%	8.8%	0.2%
Colombia	0.26	0.26	0.30	0.31	0.31	0.34	0.38	0.41	0.40	0.44	0.45	0.48	0.48	1.8%	6.1%	0.3%
Ecuador	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	-10.6%	3.6%	♦
Peru	0.09	0.12	0.12	0.20	0.23	0.25	0.24	0.27	0.28	0.31	0.27	0.29	0.30	3.7%	9.4%	0.2%
Trinidad & Tobago	0.71	0.69	0.69	0.75	0.74	0.73	0.73	0.74	0.71	0.61	0.66	0.63	0.63	1.0%	-1.0%	0.4%
Venezuela	1.34	1.26	1.23	1.13	1.20	1.25	1.16	1.22	1.33	1.34	1.39	1.14	0.95	-16.3%	-1.0%	0.7%
Central America	-	-	-	-	-	-	-	-	-	-	-	0.01	0.02	163.7%	n/a	♦
Other Caribbean	0.09	0.09	0.09	0.09	0.10	0.12	0.13	0.13	0.13	0.14	0.13	0.15	0.18	21.9%	5.1%	0.1%
Other South America	0.07	0.08	0.09	0.09	0.11	0.11	0.12	0.13	0.12	0.13	0.13	0.13	0.13	-0.4%	5.3%	0.1%
Total S. & Cent. America	5.08	5.09	4.89	5.30	5.48	5.82	6.02	6.21	6.40	6.27	6.35	6.12	5.95	-2.7%	1.9%	4.2%
Austria	0.30	0.33	0.32	0.35	0.33	0.31	0.30	0.27	0.29	0.30	0.33	0.31	0.32	2.5%	-0.4%	0.2%
Belgium	0.63	0.63	0.63	0.70	0.59	0.60	0.60	0.52	0.57	0.58	0.59	0.61	0.63	3.0%	-0.3%	0.4%
Bulgaria	0.12	0.12	0.09	0.10	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.11	0.10	-6.4%	-1.1%	0.1%
Croatia	0.11	0.11	0.10	0.11	0.11	0.10	0.10	0.08	0.09	0.09	0.10	0.10	0.11	4.5%	-0.7%	0.1%
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Czech Republic	0.30	0.30	0.28	0.34	0.29	0.29	0.29	0.26	0.27	0.29	0.30	0.29	0.30	4.3%	-0.4%	0.2%
Denmark	0.17	0.17	0.16	0.19	0.16	0.15	0.14	0.12	0.12	0.12	0.12	0.11	0.11	-7.0%	-4.1%	0.1%
Estonia	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-8.5%	-6.3%	♦
Finland	0.15	0.15	0.13	0.15	0.13	0.12	0.11	0.10	0.08	0.07	0.07	0.08	0.07	-3.8%	-6.7%	0.1%
France	1.61	1.67	1.61	1.78	1.55	1.60	1.63	1.36	1.47	1.60	1.61	1.54	1.56	1.7%	-0.8%	1.1%
Germany	3.19	3.22	3.04	3.17	2.91	2.92	3.06	2.66	2.77	3.06	3.16	3.09	3.19	3.3%	-0.4%	2.3%
Greece	0.14	0.15	0.12	0.13	0.17	0.15	0.13	0.10	0.11	0.14	0.17	0.17	0.19	9.0%	1.5%	0.1%
Hungary	0.45	0.44	0.38	0.41	0.39	0.35	0.33	0.29	0.31	0.34	0.36	0.35	0.35	2.0%	-2.4%	0.2%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Ireland	0.18	0.19	0.18	0.20	0.17	0.17	0.16	0.16	0.16	0.18	0.18	0.19	0.19	2.0%	♦	0.1%
Italy	2.93	2.91	2.68	2.85	2.67	2.57	2.40	2.12	2.32	2.43	2.58	2.49	2.55	2.3%	-1.5%	1.8%
Latvia	0.06	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	-4.4%	-1.4%	♦
Lithuania	0.12	0.11	0.09	0.10	0.11	0.11	0.09	0.09	0.09	0.08	0.08	0.08	0.08	-3.6%	-2.9%	0.1%
Luxembourg	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.1%	-4.6%	♦
Netherlands	1.40	1.45	1.49	1.68	1.47	1.41	1.41	1.24	1.23	1.27	1.30	1.27	1.33	4.2%	-1.3%	0.9%
North Macedonia	^	^	^	^	^	^	0.01	^	^	0.01	0.01	0.01	0.01	16.4%	8.0%	♦
Norway	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.15	0.16	0.16	0.17	0.16	0.16	0.2%	0.4%	0.1%
Poland	0.52	0.56	0.54	0.58	0.59	0.63	0.63	0.61	0.62	0.66	0.69	0.72	0.73	2.3%	2.4%	0.5%
Portugal	0.16	0.17	0.17	0.19	0.19	0.16	0.16	0.15	0.17	0.18	0.23	0.21	0.22	5.7%	1.9%	0.2%
Romania	0.53	0.51	0.44	0.45	0.46	0.45	0.41	0.39	0.37	0.38	0.41	0.42	0.39	-5.9%	-2.0%	0.3%
Slovakia	0.21	0.22	0.19	0.21	0.19	0.18	0.19	0.16	0.16	0.16	0.17	0.17	0.17	2.3%	-2.3%	0.1%
Slovenia	0.04	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.4%	-1.8%	♦
Spain	1.33	1.46	1.31	1.30	1.21	1.20	1.09	0.99	1.03	1.05	1.14	1.13	1.30	14.8%	-2.5%	0.9%
Sweden	0.03	0.03	0.04	0.06	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.04	3.2%	1.7%	♦
Switzerland	0.11	0.12	0.11	0.13	0.11	0.12	0.13	0.11	0.12	0.13	0.13	0.12	0.12	2.4%	0.2%	0.1%
Turkey	1.22	1.27	1.21	1.29	1.51	1.56	1.58	1.68	1.65	1.60	1.86	1.70	1.56	-8.5%	3.0%	1.1%
Ukraine	2.38	2.26	1.76	1.96	2.02	1.87	1.72	1.45	1.15	1.13	1.09	1.10	1.02	-7.7%	-6.9%	0.7%
United Kingdom	3.43	3.52	3.28	3.55	2.95	2.77	2.75	2.52	2.59	2.90	2.83	2.85	2.84	-0.5%	-2.1%	2.0%
Other Europe	0.15	0.13	0.11	0.13	0.15	0.14	0.15	0.15	0.16	0.17	0.19	0.19	0.19	1.6%	3.9%	0.1%
Total Europe	22.23	22.53	20.79	22.43	20.89	20.37	19.96	18.00	18.33	19.35	20.12	19.73	19.95	1.1%	-1.3%	14.1%
Azerbaijan	0.32	0.36	0.31	0.29	0.32	0.34	0.34	0.35	0.40	0.39	0.38	0.39	0.42	9.0%	0.8%	0.3%
Belarus	0.70	0.72	0.61	0.75	0.69	0.70	0.69	0.69	0.64	0.64	0.66	0.70	0.69	-0.3%	-0.3%	0.5%
Kazakhstan	0.38	0.38	0.37	0.40	0.44	0.47	0.49	0.54	0.55	0.57	0.60	0.68	0.64	-5.8%	6.0%	0.5%
Russian Federation	15.44	15.22	14.32	15.26	15.68	15.43	15.30	15.20	14.71	15.14	15.52	16.36	16.00	-2.2%	0.7%	11.3%
Turkmenistan	0.40	0.28	0.62	0.66	0.75	0.83	0.70	0.72	0.91	0.90	0.89	1.02	1.14	11.1%	13.7%	0.8%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	1.69	1.59	1.59	1.59	1.70	1.66	1.66	1.75	1.67	1.56	1.55	1.60	1.56	-2.2%	0.1%	1.1%
Other CIS	0.21	0.21	0.19	0.19	0.20	0.21	0.17	0.19	0.19	0.19	0.18	0.21	0.20	-6.0%	-0.1%	0.1%
Total CIS	19.14	18.77	18.00	19.13	19.78	19.63	19.34	19.44	19.08	19.40	19.79	20.96	20.65	-1.5%	1.1%	14.6%
Iran	4.27	4.53	4.85	5.20	5.51	5.49	5.54	6.24	6.62	7.07	7.53	8.07	8.05	-0.2%	5.9%	5.7%
Iraq	0.16	0.23	0.25	0.26	0.23	0.23	0.25	0.27	0.26	0.36	0.41	0.53	0.72	36.5%	8.5%	0.5%
Israel	0.09	0.13	0.14	0.18	0.17	0.09	0.24	0.26	0.29	0.33	0.36	0.38	0.39	2.4%	11.3%	0.3%
Kuwait	0.39	0.43	0.43	0.50	0.57	0.63	0.64	0.64	0.73	0.76	0.76	0.76	0.85	11.2%	5.8%	0.6%
Oman	0.44	0.48	0.49	0.59	0.65	0.71	0.78	0.77	0.83	0.82	0.84	0.90	0.90	0.1%	6.5%	0.6%
Qatar	0.69	0.75	0.77	0.91	1.03	1.21	1.28	1.39	1.53	1.45	1.44	1.49	1.48	-0.7%	7.2%	1.0%
Saudi Arabia	2.55	2.75	2.68	3.00	3.16	3.40	3.42	3.50	3.57	3.79	3.93	4.04	4.09	1.4%	3.9%	2.9%
United Arab Emirates	1.73	2.09	2.07	2.13	2.22	2.30	2.33	2.28	2.58	2.62	2.69	2.68	2.74	2.2%	2.5%	1.9%
Other Middle East	0.70	0.75	0.82	0.91	0.79	0.73	0.76	0.75	0.81	0.83	0.85	0.81	0.89	9.9%	0.9%	0.6%
Total Middle East	11.02	12.14	12.50	13.68	14.33	14.79	15.24	16.11	17.22	18.03	18.80	19.65	20.10	2.3%	4.9%	14.2%
Algeria	0.84	0.88	0.94	0.91	0.96	1.08	1.16	1.30	1.37	1.39	1.42	1.56	1.63	4.2%	5.9%	1.2%
Egypt	1.33	1.42	1.47	1.56	1.72	1.82	1.78	1.66	1.66	1.78	2.01	2.15	2.12	-1.1%	4.2%	1.5%
Morocco	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-5.2%	5.8%	♦
South Africa	0.14	0.14	0.12	0.15	0.15	0.16	0.15	0.15	0.16	0.16	0.16	0.16	0.15	-4.2%	1.3%	0.1%
Eastern Africa	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.07	0.08	11.1%	12.7%	0.1%
Middle Africa	0.10	0.12	0.12	0.13	0.15	0.15	0.13	0.13	0.14	0.18	0.19	0.18	0.16	-9.5%	4.4%	0.1%
Western Africa	0.45	0.42	0.32	0.31	0.44	0.47	0.46	0.58	0.86	0.76	0.79	0.84	0.86	2.5%	7.2%	0.6%
Other Northern Africa	0.37	0.40	0.42	0.44	0.37	0.39	0.44	0.41	0.35	0.37	0.36	0.36	0.36	0.4%	-1.1%	0.3%
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	-
Total Africa	3.27	3.41	3.44	3.56	3.86	4.14	4.20	4.32	4.62	4.75	5.04	5.36	5.40	0.9%	4.6%	3.8%
Australia	1.04	1.03	1.05	1.22	1.27	1.27	1.34	1.44	1.52	1.50	1.48	1.49	1.93	29.7%	3.8%	1.4%
Bangladesh	0.55	0.59	0.67	0.69	0.70	0.77	0.79	0.83	0.93	0.95	0.96	0.99	1.24	25.3%	5.3%	0.9%
China	2.56	2.95	3.25	3.92	4.87	5.43	6.19	6.78	7.01	7.54	8.66	10.19	11.06	8.6%	13.2%	7.8%
China Hong Kong SAR	0.09	0.11	0.10	0.13	0.10	0.09	0.09	0.09	0.11	0.11	0.11	0.11	0.11	3.3%	0.1%	0.1%
India	1.40	1.44	1.77	2.12	2.17	2.01	1.76	1.75	1.72	1.83	1.93	2.09	2.15	2.7%	3.8%	1.5%
Indonesia	1.25	1.43	1.52	1.59	1.54	1.55	1.60	1.59	1.65	1.61	1.56	1.60	1.58	-1.6%	1.2%	1.1%
Japan	3.43	3.57	3.33	3.60	4.03	4.44	4.45	4.49	4.27	4.19	4.21	4.17	3.89	-6.6%	1.6%	2.8%
Malaysia	1.45	1.57	1.44	1.37	1.38	1.51	1.60	1.61	1.69	1.62	1.62	1.48	1.52	3.1%	-0.6%	1.1%
New Zealand	0.15	0.14	0.14	0.16	0.14	0.16	0.17	0.19	0.18	0.17	0.18	0.16	0.17	8.9%	1.2%	0.1%
Pakistan	1.22	1.25	1.25	1.27	1.27	1.32	1.28	1.26	1.32	1.39	1.47	1.57	1.64	4.8%	2.3%	1.2%
Philippines	0.13	0.13	0.13	0.13	0.14	0.13	0.12	0.13	0.12	0.14	0.14	0.15	0.15	-0.2%	1.0%	0.1%
Singapore	0.29	0.31	0.33	0.30	0.30	0.32	0.36	0.37	0.42	0.43	0.44	0.44	0.46	3.7%	3.5%	0.3%
South Korea	1.31	1.34	1.28	1.62	1.74	1.89	1.98	1.80	1.64	1.72	1.79	2.08	2.01	-3.2%	4.5%	1.4%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Taiwan	0.42	0.46	0.45	0.56	0.61	0.64	0.65	0.68	0.73	0.75	0.84	0.85	0.84	-1.7%	6.4%	0.6%
Thailand	1.27	1.33	1.37	1.56	1.60	1.75	1.76	1.80	1.83	1.82	1.80	1.80	1.83	1.6%	3.1%	1.3%
Vietnam	0.25	0.26	0.28	0.33	0.29	0.32	0.34	0.35	0.37	0.37	0.34	0.35	0.35	2.0%	2.9%	0.3%
Other Asia Pacific	0.23	0.23	0.20	0.24	0.27	0.31	0.31	0.36	0.43	0.41	0.41	0.41	0.37	-8.9%	5.9%	0.3%
Total Asia Pacific	17.04	18.13	18.56	20.80	22.44	23.92	24.79	25.52	25.93	26.55	27.94	29.92	31.32	4.7%	5.1%	22.1%
Total World	105.57	108.09	105.88	113.78	116.54	119.59	121.56	122.38	125.21	128.12	131.71	138.66	141.45	2.0%	2.5%	100.0%
of which: OECD	52.93	53.72	52.03	55.55	55.36	56.66	57.85	56.95	58.14	59.37	60.10	63.24	64.84	2.5%	1.6%	45.8%
Non-OECD	52.64	54.36	53.85	58.24	61.17	62.93	63.71	65.43	67.07	68.76	71.61	75.42	76.61	1.6%	3.3%	54.2%
European Union #	18.21	18.60	17.44	18.77	16.95	16.53	16.23	14.45	15.07	16.16	16.70	16.46	16.90	2.7%	-1.2%	12.0%

Source: Includes data from Cedigaz, FGE MENAgas service.

* Excludes natural gas converted to liquid fuels but includes derivatives of coal as well as natural gas consumed in Gas-to-Liquids transformation.
^ Less than 0.005.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Slovenia prior to 1990.
Notes: The difference between these world consumption figures and the world production statistics is due to variations in stocks at storage facilities and liquefaction plants, together with unavoidable disparities in the definition, measurement or conversion of gas supply and demand data.
Annual changes and share of total are calculated using exajoules figures.

Natural Gas: Prices

Contents

US dollars per million Btu

	LNG		Natural gas					Crude oil
	Japan CIF[1]	Japan Korea Marker (JKM)[2]	Average German Import price[3]	UK (Heren NBP Index)[4]	Netherlands TTF (DA Heren Index)[4]	US Henry Hub[5]	Canada (Alberta)[5]	OECD countries CIF[6]
1984	5.10	-	4.00	-	-	-	-	5.00
1985	5.23	-	4.25	-	-	-	-	4.75
1986	4.10	-	3.93	-	-	-	-	2.57
1987	3.35	-	2.55	-	-	-	-	3.09
1988	3.34	-	2.22	-	-	-	-	2.56
1989	3.28	-	2.00	-	-	1.70	-	3.01
1990	3.64	-	2.78	-	-	1.64	1.05	3.82
1991	3.99	-	3.23	-	-	1.49	0.89	3.33
1992	3.62	-	2.70	-	-	1.77	0.98	3.19
1993	3.52	-	2.51	-	-	2.12	1.69	2.82
1994	3.18	-	2.35	-	-	1.92	1.45	2.70
1995	3.46	-	2.43	-	-	1.69	0.89	2.96
1996	3.66	-	2.50	1.87	-	2.76	1.12	3.54
1997	3.91	-	2.66	1.96	-	2.53	1.36	3.29
1998	3.05	-	2.33	1.86	-	2.08	1.42	2.16
1999	3.14	-	1.86	1.58	-	2.27	2.00	2.98
2000	4.72	-	2.91	2.71	-	4.23	3.75	4.83
2001	4.64	-	3.67	3.17	-	4.07	3.61	4.08
2002	4.27	-	3.21	2.37	-	3.33	2.57	4.17
2003	4.77	-	4.06	3.33	-	5.63	4.83	4.89
2004	5.18	-	4.30	4.46	-	5.85	5.03	6.27
2005	6.05	-	5.83	7.38	6.07	8.79	7.25	8.74
2006	7.14	-	7.87	7.87	7.46	6.76	5.83	10.66
2007	7.73	-	7.99	6.01	5.93	6.95	6.17	11.95
2008	12.55	-	11.60	10.79	10.66	8.85	7.99	16.76
2009	9.06	5.28	8.53	4.85	4.96	3.89	3.38	10.41
2010	10.91	7.72	8.03	6.56	6.77	4.39	3.69	13.47
2011	14.73	14.02	10.49	9.04	9.26	4.01	3.47	18.55
2012	16.75	15.12	10.93	9.46	9.45	2.76	2.27	18.82
2013	16.17	16.56	10.73	10.64	9.75	3.71	2.93	18.25
2014	16.33	13.86	9.11	8.25	8.14	4.35	3.87	16.80
2015	10.31	7.45	6.72	6.53	6.44	2.60	2.01	8.77
2016	6.94	5.72	4.93	4.69	4.54	2.46	1.55	7.04
2017	8.10	7.13	5.62	5.80	5.72	2.96	1.60	8.97
2018	10.05	9.76	6.62	8.06	7.90	3.13	1.12	11.68
2019	9.94	5.49	5.25	4.47	4.45	2.53	1.27	10.82

[1] Source: EDMC Energy

[2] Source: S&P Global Platts ©2020, S&P Global Inc.

[3] Source: 1986 -1990 German Federal Statistical Office, 1991- 2020 German Federal Office of Economics and Export Control (BAFA).

[4] Source: ICIS Heren Energy Ltd.

[5] Source: Energy Intelligence Group, *Natural Gas Week* .

[6] Source: ©OECD/IEA 2020, Oil, Gas, Coal and Electricity, Quarterly Statistics www.iea.org/statistics.

Note: cif = cost+insurance+freight (average prices).

Natural gas: Inter-regional trade

Billion cubic metres	2000	2001	2002	2003	2004	2005	2006	2007	2008
US									
Pipeline imports	96.9	101.9	103.2	93.7	98.3	101.1	98.2	104.6	99.0
LNG imports	6.5	6.9	6.8	14.1	18.2	17.6	16.2	21.5	9.7
Total imports	103.4	108.8	110.0	107.8	116.5	118.7	114.4	126.1	108.7
Pipeline exports	4.8	8.4	12.3	16.7	21.6	18.1	18.1	21.1	25.2
LNG exports*	1.7	1.8	1.8	1.7	1.7	1.9	1.6	1.2	1.0
Total exports	6.5	10.1	14.1	18.4	23.3	20.0	19.7	22.3	26.2
Other North America									
Pipeline imports	4.8	8.4	12.3	16.7	21.6	18.1	18.1	21.1	25.2
LNG imports	-	-	-	-	-	-	1.0	2.3	3.8
Total imports	4.8	8.4	12.3	16.7	21.6	18.1	19.1	23.4	29.0
Pipeline exports	96.9	101.9	103.2	93.7	98.3	101.1	98.2	104.6	99.0
LNG exports*	-	-	-	-	-	-	-	-	-
Total exports	96.9	101.9	103.2	93.7	98.3	101.1	98.2	104.6	99.0
Brazil									
Pipeline imports	2.1	4.4	5.0	5.6	7.7	8.5	9.3	9.8	10.7
LNG imports	-	-	-	-	-	-	-	-	-
Total imports	2.1	4.4	5.0	5.6	7.7	8.5	9.3	9.8	10.7
LNG exports*	-	-	-	-	-	-	-	-	-
Total exports	-	-	-	-	-	-	-	-	-
Other S&C America									
LNG imports	0.3	0.7	0.7	1.1	0.9	1.0	1.0	1.2	1.8
Total imports	0.3	0.7	0.7	1.1	0.9	1.0	1.0	1.2	1.8
Pipeline exports	2.1	4.4	5.0	5.6	7.7	8.5	9.3	9.8	10.7
LNG exports*	4.0	3.8	5.5	11.7	13.7	13.6	16.3	18.1	18.2
Total exports	6.1	8.2	10.5	17.3	21.4	22.2	25.5	27.8	28.9
Europe									
Pipeline imports	223.3	213.6	219.1	226.2	245.8	262.9	260.8	261.6	276.1
of which: Russia	190.2	184.6	189.1	193.0	208.7	216.5	212.5	213.9	226.2
Africa	33.1	29.0	29.3	29.8	33.7	42.3	42.8	40.9	44.9
Other CIS	-	-	-	-	-	-	†	0.8	1.0
Middle East	-	-	0.6	3.4	3.4	4.2	5.5	6.0	3.9
LNG imports	32.9	34.3	40.7	41.1	40.1	49.8	59.0	54.4	57.4
Total imports	256.2	247.9	259.8	267.4	285.9	312.7	319.8	316.0	333.5
LNG exports*	-	-	-	-	†	0.1	-	0.2	2.5
Total exports	0.1	†	†	†	†	0.1	-	0.2	2.5
Russia									
Pipeline imports	38.2	36.7	39.9	41.1	47.8	50.3	55.6	64.2	74.4
Total imports	38.2	36.7	39.9	41.1	47.8	50.3	55.6	64.2	74.4
Pipeline exports	209.3	204.2	208.7	212.6	230.9	239.1	240.4	238.8	251.7
of which: Europe	190.2	184.6	189.1	193.0	208.7	216.5	212.5	213.9	226.2
Other CIS	19.1	19.6	19.6	19.6	22.2	22.7	27.9	24.9	25.5
LNG exports	-	-	-	-	-	-	-	-	-
Total exports	209.3	204.2	208.7	212.6	230.9	239.1	240.4	238.8	251.7
Other CIS									
Pipeline imports	19.2	19.6	19.6	19.6	22.2	22.7	27.9	24.9	25.5
Total imports	19.2	19.6	19.6	19.6	22.2	22.7	27.9	24.9	25.5
Pipeline exports	40.9	41.1	45.1	46.3	53.2	56.3	61.7	71.4	82.3
of which: China	-	-	-	-	-	-	-	-	-
Europe	-	-	-	-	-	-	†	0.8	1.0
Middle East	2.8	4.4	5.1	5.1	5.4	6.1	6.1	6.4	6.8
Russia	38.2	36.7	39.9	41.1	47.8	50.3	55.6	64.2	74.4
Total exports	40.9	41.1	45.1	46.3	53.2	56.3	61.7	71.4	82.3
Middle East									

Pipeline imports	2.8	4.4	5.1	5.1	6.7	6.7	8.6	9.4	10.7
of which: Africa	-	-	-	-	1.3	0.6	2.5	3.0	3.9
Other CIS	2.8	4.4	5.1	5.1	5.4	6.1	6.1	6.4	6.8
LNG imports	-	-	-	-	-	-	-	-	-
Total imports	2.8	4.4	5.1	5.1	6.7	6.7	8.6	9.4	10.7
Pipeline exports	-	-	0.6	3.4	3.4	4.2	5.5	6.0	3.9
LNG exports	24.6	32.9	35.2	36.4	42.5	45.1	53.0	60.6	60.7
Total exports	24.6	32.9	35.9	39.8	45.9	49.3	58.5	66.5	64.6
Africa									
LNG imports	-	-	-	-	-	-	-	-	-
Total imports	-	-	-	-	-	-	-	-	-
Pipeline exports	33.1	29.0	29.3	29.8	35.0	42.9	45.2	44.0	48.8
of which: Europe	33.1	29.0	29.3	29.8	33.7	42.3	42.8	40.9	44.9
Middle East	-	-	-	-	1.3	0.6	2.5	3.0	3.9
LNG exports	32.9	34.9	36.5	41.6	38.9	47.3	58.2	63.1	63.8
Total exports	66.1	63.9	65.8	71.4	73.9	90.2	103.4	107.1	112.6
China									
Pipeline imports	-	-	-	-	-	-	-	-	-
of which: Other Asia	-	-	-	-	-	-	-	-	-
Other CIS	-	-	-	-	-	-	-	-	-
LNG imports	-	-	-	-	-	-	1.0	4.1	4.6
Total imports	-	-	-	-	-	-	1.0	4.1	4.6
LNG exports*	-	-	-	-	-	-	-	-	-
Total exports	-	-	-	-	-	-	-	-	-
India									
LNG imports	-	-	-	-	2.8	6.3	8.4	10.4	11.3
Total imports	-	-	-	-	2.8	6.3	8.4	10.4	11.3
LNG exports*	-	-	-	-	-	-	-	-	-
Total exports	-	-	-	-	-	-	-	-	-
OECD Asia									
Pipeline imports	-	-	-	-	-	-	3.8	5.2	5.9
LNG imports	94.6	98.9	100.4	107.8	109.2	110.7	120.1	128.0	133.6
Total imports	94.6	98.9	100.4	107.8	109.2	110.7	123.9	133.1	139.5
LNG exports*	10.3	10.4	10.5	10.7	12.2	15.5	19.1	20.9	20.9
Total exports	10.3	10.4	10.5	10.7	12.2	15.5	19.1	20.9	20.9
Other Asia									
LNG imports	6.2	6.6	7.3	7.8	9.6	9.8	10.8	11.4	12.6
Total imports	6.2	6.6	7.3	7.8	9.6	9.8	10.8	11.4	12.6
Pipeline exports	-	-	-	-	-	-	3.8	5.2	5.9
of which: China	-	-	-	-	-	-	-	-	-
OECD Asia	-	-	-	-	-	-	3.8	5.2	5.9
LNG exports*	67.0	63.5	66.4	69.9	71.7	71.6	69.3	69.2	67.7
Total exports	67.0	63.5	66.4	69.9	71.7	71.6	73.1	74.3	73.6
World									
Inter-regional pipeline trade	387.3	388.9	404.3	408.1	450.1	470.3	482.1	500.7	527.5
LNG trade	140.5	147.3	155.9	172.0	180.7	195.1	217.5	233.2	234.9
Total trade	**527.8**	**536.2**	**560.2**	**580.1**	**630.7**	**665.4**	**699.6**	**734.0**	**762.4**

*LNG exports include re-exports

† Less than 0.05.

◆ Less than 0.05%

n/a not available.

Pipeline trade excludes intra-regional trade

Note: As far as possible, the data above represents standard cubic metres (measured at 150C and 1013 mbar) and has been standar

Contents

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth rate 2019
89.9	90.2	85.0	80.8	75.9	71.9	71.6	79.5	80.8	76.6	**73.3**	-4.4%
12.6	12.1	9.9	4.9	2.7	1.7	2.5	2.4	2.2	2.1	**1.5**	-30.9%
102.5	102.3	94.9	85.6	78.6	73.5	74.1	82.0	83.0	78.8	**74.8**	-5.1%
28.3	29.2	39.1	45.3	42.5	40.4	47.2	58.7	66.1	67.8	**75.4**	11.3%
0.8	1.5	1.8	0.8	0.2	0.4	0.7	4.0	17.1	28.6	**47.5**	66.3%
29.1	30.7	40.9	46.1	42.7	40.8	47.9	62.7	83.2	96.3	**122.9**	27.6%
28.3	29.2	39.1	45.3	42.5	40.4	47.2	58.7	66.1	67.8	**75.4**	11.3%
4.7	8.1	7.0	6.5	8.8	9.8	7.4	5.9	7.0	7.5	**7.1**	-5.1%
33.1	37.3	46.1	51.7	51.3	50.2	54.7	64.5	73.1	75.2	**82.5**	9.7%
89.9	90.2	85.0	80.8	75.9	71.9	71.6	79.5	80.8	76.6	**73.3**	-4.4%
-	-	0.1	-	-	†	†	†	†	0.1	**†**	-77.2%
89.9	90.2	85.1	80.8	75.9	71.9	71.6	79.6	80.8	76.7	**73.3**	-4.4%
7.7	9.3	9.3	9.5	11.0	11.4	11.2	9.8	8.4	7.6	**6.4**	-15.8%
0.4	2.8	0.7	3.5	5.2	7.1	6.8	2.6	1.7	2.9	**3.2**	12.2%
8.1	12.1	9.9	13.0	16.3	18.5	18.0	12.4	10.1	10.5	**9.7**	-8.2%
-	-	-	0.5	0.1	0.2	†	0.6	0.2	0.1	**-**	-100.0%
-	-	-	0.5	0.1	0.2	†	0.6	0.2	0.1	**-**	-100.0%
3.1	6.4	9.3	11.1	12.9	12.5	12.1	12.6	11.7	11.6	**9.9**	-14.9%
3.1	6.4	9.3	11.1	12.9	12.5	12.1	12.6	11.7	11.6	**9.9**	-14.9%
7.7	9.3	9.3	9.5	11.0	11.4	11.2	9.8	8.4	7.6	**6.4**	-15.8%
19.5	21.4	23.4	23.4	24.1	23.3	21.4	19.9	19.1	21.4	**22.3**	4.4%
27.1	30.7	32.7	32.9	35.1	34.7	32.6	29.7	27.5	29.0	**28.7**	-0.9%
218.3	224.8	234.4	228.5	234.1	209.4	214.9	230.6	247.2	246.2	**233.5**	-5.2%
167.4	168.1	186.0	177.0	187.3	164.0	169.4	176.3	193.0	192.1	**188.0**	-2.1%
39.3	43.4	34.4	38.5	33.3	29.1	29.8	38.7	37.2	37.3	**26.9**	-28.0%
6.6	5.6	5.7	4.7	5.2	7.6	8.1	8.2	8.1	9.2	**11.2**	21.5%
5.0	7.6	8.3	8.2	8.2	8.7	7.5	7.4	8.9	7.6	**7.4**	-1.6%
70.5	89.1	89.2	68.2	51.8	52.1	56.0	56.4	64.7	71.3	**119.8**	68.1%
288.8	313.9	323.6	296.7	285.8	261.4	270.9	287.0	311.9	317.5	**353.3**	11.3%
3.4	5.1	6.1	8.1	9.0	13.0	11.0	10.6	8.0	11.8	**8.6**	-26.7%
3.4	5.1	6.1	8.1	9.0	13.0	11.0	10.6	8.0	11.8	**8.6**	-26.7%
38.5	33.4	41.2	39.7	32.9	33.1	26.5	24.3	28.6	23.5	**26.8**	14.2%
38.5	33.4	41.2	39.7	32.9	33.1	26.5	24.3	28.6	23.5	**26.8**	14.2%
189.6	194.0	210.6	201.5	210.7	189.6	194.2	202.0	219.7	221.3	**217.2**	-1.8%
167.4	168.1	186.0	177.0	187.3	164.0	169.4	176.3	193.0	192.1	**188.0**	-2.1%
22.2	25.9	24.6	24.5	23.3	25.6	24.9	25.7	26.7	29.2	**28.9**	-0.9%
6.8	13.5	14.3	14.3	14.5	13.6	14.6	14.6	15.4	24.9	**39.4**	57.9%
196.5	207.5	224.9	215.8	225.2	203.2	208.8	216.7	235.2	246.2	**256.6**	4.2%
22.7	26.5	25.4	25.2	24.0	26.3	25.4	26.3	28.8	30.3	**29.2**	-3.5%
22.7	26.5	25.4	25.2	24.0	26.3	25.4	26.3	28.8	30.3	**29.2**	-3.5%
51.5	51.1	71.8	69.7	69.5	75.4	72.6	72.8	78.0	79.7	**81.3**	2.0%
-	3.4	13.6	20.8	26.2	27.4	28.7	33.0	36.7	45.0	**43.0**	-4.4%
6.6	5.6	5.7	4.7	5.2	7.6	8.1	8.2	8.1	9.2	**11.2**	21.5%
6.4	8.7	11.4	4.5	5.2	7.3	9.3	7.3	4.6	2.0	**0.3**	-84.1%
38.5	33.4	41.2	39.7	32.9	33.1	26.5	24.3	28.6	23.5	**26.8**	14.2%
51.5	51.1	71.8	69.7	69.5	75.4	72.6	72.8	78.0	79.7	**81.3**	2.0%

9.1	13.4	13.0	5.3	6.3	7.6	9.6	7.3	4.6	2.2	**1.8**	-18.6%
2.7	4.7	1.6	0.8	1.1	0.3	0.3	-	-	0.1	**1.4**	868.0%
6.4	8.7	11.4	4.5	5.2	7.3	9.3	7.3	4.6	2.0	**0.3**	-84.1%
0.9	3.0	4.4	4.2	4.3	5.3	9.8	13.7	13.0	9.4	**9.5**	1.6%
10.1	16.4	17.4	9.4	10.6	12.9	19.4	21.1	17.7	11.5	**11.3**	-2.2%
5.5	8.2	9.1	9.0	8.9	9.3	8.1	8.0	11.0	8.7	**7.8**	-10.5%
71.8	103.8	128.7	130.3	135.2	132.2	125.4	126.0	122.3	125.9	**128.8**	2.3%
77.3	112.0	137.9	139.3	144.2	141.5	133.5	133.9	133.2	134.6	**136.6**	1.4%
-	-	-	-	-	-	3.9	10.7	8.3	3.2	**-**	-100.0%
-	-	-	-	-	-	3.9	10.7	8.3	3.2	**-**	-100.0%
42.0	48.2	36.1	39.3	34.4	29.4	30.1	38.7	37.2	37.5	**28.3**	-24.4%
39.3	43.4	34.4	38.5	33.3	29.1	29.8	38.7	37.2	37.3	**26.9**	-28.0%
2.7	4.7	1.6	0.8	1.1	0.3	0.3	-	-	0.1	**1.4**	868.0%
56.0	58.8	56.4	54.2	47.0	49.5	48.5	46.2	55.7	53.6	**61.2**	14.2%
98.0	106.9	92.4	93.5	81.4	78.8	78.6	84.9	92.9	91.1	**89.5**	-1.7%
-	3.4	13.6	20.8	26.4	30.3	32.4	36.8	39.9	47.9	**47.7**	-0.3%
-	-	-	-	0.2	2.9	3.8	3.7	3.2	2.9	**4.4**	54.0%
-	3.4	13.6	20.8	26.2	27.4	28.7	33.0	36.7	45.0	**43.0**	-4.4%
8.0	13.0	16.9	20.1	25.1	27.3	27.0	36.8	52.9	73.5	**84.8**	15.4%
8.0	16.4	30.5	40.8	51.5	57.5	59.4	73.5	92.8	121.3	**132.5**	9.2%
-	-	-	-	-	-	-	-	-	-	**0.1**	n/a
-	-	-	-	-	-	-	-	-	-	**0.1**	n/a
13.0	11.5	17.4	18.4	18.0	19.1	20.0	24.3	26.1	30.6	**32.9**	7.4%
13.0	11.5	17.4	18.4	18.0	19.1	20.0	24.3	26.1	30.6	**32.9**	7.4%
-	-	-	-	-	-	0.4	0.1	0.1	-	**0.1**	n/a
-	-	-	-	-	-	0.4	0.1	0.1	-	**0.1**	n/a
6.0	5.5	5.9	5.4	6.3	5.9	6.7	6.5	5.8	5.9	**5.2**	-11.8%
124.2	141.4	156.3	169.6	175.7	173.6	161.6	159.9	165.4	173.2	**161.1**	-7.0%
130.2	146.8	162.2	174.9	182.1	179.5	168.4	166.4	171.2	179.1	**166.3**	-7.1%
25.1	25.8	26.0	28.3	30.6	32.2	40.1	60.5	76.8	91.9	**104.7**	13.9%
25.1	25.8	26.0	28.3	30.6	32.2	40.1	60.5	76.8	91.9	**104.7**	13.9%
12.4	15.0	17.3	18.5	22.4	25.2	29.8	33.0	40.2	45.5	**55.3**	21.7%
12.4	15.0	17.3	18.5	22.4	25.2	29.8	33.0	40.2	45.5	**55.3**	21.7%
6.0	5.5	5.9	5.4	6.5	8.8	10.5	10.2	9.0	8.7	**9.6**	9.7%
-	-	-	-	0.2	2.9	3.8	3.7	3.2	2.9	**4.4**	54.0%
6.0	5.5	5.9	5.4	6.3	5.9	6.7	6.5	5.8	5.9	**5.2**	-11.8%
66.3	72.5	71.5	65.0	66.2	69.3	75.0	75.8	78.5	72.4	**72.4**	♦
72.3	77.9	77.4	70.3	72.7	78.1	85.5	86.0	87.6	81.1	**81.9**	1.0%
420.5	435.6	466.9	460.3	459.5	436.1	445.6	479.7	510.3	507.9	**499.4**	-1.7%
249.7	302.4	328.3	324.9	326.8	333.6	337.1	358.3	393.3	430.6	**485.1**	12.7%
670.3	**738.0**	**795.2**	**785.2**	**786.4**	**769.7**	**782.7**	**838.0**	**903.6**	**938.5**	**984.4**	**4.9%**

dized using a gross calorific value (GCV) of 40 MJ/m3.

Contents

per annum 2008-18	Share 2019
-2.5%	7.4%
-14.2%	0.1%
-3.2%	7.6%
10.4%	7.7%
39.7%	4.8%
13.9%	12.5%
10.4%	7.7%
7.1%	0.7%
10.0%	8.4%
-2.5%	7.4%
n/a	♦
-2.5%	7.4%
-3.3%	0.7%
n/a	0.3%
-0.2%	1.0%
n/a	-
n/a	-
20.7%	1.0%
20.7%	1.0%
-3.3%	0.7%
1.6%	2.3%
♦	2.9%
-1.1%	23.7%
-1.6%	19.1%
-1.8%	2.7%
24.3%	1.1%
6.7%	0.8%
2.2%	12.2%
-0.5%	35.9%
16.5%	0.9%
16.5%	0.9%
-10.9%	2.7%
-10.9%	2.7%
-1.3%	22.1%
-1.6%	19.1%
1.4%	2.9%
n/a	4.0%
-0.2%	26.1%
1.8%	3.0%
1.8%	3.0%
-0.3%	8.3%
n/a	4.4%
24.3%	1.1%
-11.5%	♦
-10.9%	2.7%
-0.3%	8.3%

-14.7%	0.2%
-27.8%	0.1%
-11.5%	♦
n/a	1.0%
0.8%	1.1%
8.3%	0.8%
7.6%	13.1%
7.6%	13.9%
n/a	-
n/a	-
-2.6%	2.9%
-1.8%	2.7%
-27.8%	0.1%
-1.7%	6.2%
-2.1%	9.1%
n/a	4.8%
n/a	0.4%
n/a	4.4%
31.8%	8.6%
38.6%	13.5%
n/a	♦
n/a	♦
10.5%	3.3%
10.5%	3.3%
n/a	♦
n/a	♦
-0.1%	0.5%
2.6%	16.4%
2.5%	16.9%
16.0%	10.6%
16.0%	10.6%
13.7%	5.6%
13.7%	5.6%
3.9%	1.0%
n/a	0.4%
-0.1%	0.5%
0.7%	7.4%
1.0%	8.3%
-0.4%	50.7%
6.2%	49.3%
2.1%	**100.0%**

Natural gas: LNG imports

Contents

Billion cubic metres	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada	-	-	-	-	-	-	-	-	-	1.0	2.0	3.2	1.6	1.0	0.5
Mexico	-	-	-	-	-	-	1.0	2.3	3.8	3.7	6.1	3.8	4.9	7.8	9.3
US	6.5	6.9	6.8	14.1	18.2	17.6	16.2	21.5	9.7	12.6	12.1	9.9	4.9	2.7	1.7
Total North America	6.5	6.9	6.8	14.1	18.2	17.6	17.2	23.8	13.5	17.3	20.2	16.8	11.4	11.4	11.5
Argentina	-	-	-	-	-	-	-	-	0.4	1.0	1.9	3.7	4.7	6.3	6.2
Brazil	-	-	-	-	-	-	-	-	-	0.4	2.8	0.7	3.5	5.2	7.1
Chile	-	-	-	-	-	-	-	-	-	0.7	3.1	3.7	4.0	3.8	3.5
Other S. & Cent. America	0.3	0.7	0.7	1.1	0.9	1.0	1.0	1.2	1.3	1.4	1.4	1.9	2.4	2.8	2.8
Total S. & Cent. America	0.3	0.7	0.7	1.1	0.9	1.0	1.0	1.2	1.8	3.5	9.2	9.9	14.6	18.1	19.6
Belgium	4.4	2.5	3.5	3.3	3.0	3.1	4.5	2.8	3.0	6.8	6.5	6.3	4.1	3.1	2.9
France	11.7	12.0	14.2	12.4	10.6	13.3	14.7	13.2	12.8	13.3	14.7	14.4	9.8	8.3	6.9
Italy	3.7	3.6	3.4	3.3	1.8	2.6	3.2	2.5	1.6	3.0	9.3	9.1	7.1	5.8	4.5
Spain	8.9	10.3	13.9	16.4	18.3	23.0	25.5	25.2	29.8	27.5	28.2	23.9	21.4	15.7	16.2
Turkey	3.9	5.1	5.2	4.9	4.5	5.1	5.2	5.6	5.6	6.0	7.8	5.9	7.6	5.9	7.1
United Kingdom	-	-	-	-	-	0.5	3.4	1.3	0.8	10.1	18.8	24.7	13.9	9.2	11.2
Other EU	0.3	0.8	0.5	0.8	1.9	2.1	2.6	3.7	3.7	3.7	3.9	4.9	4.4	3.7	3.3
Rest of Europe	-	-	-	-	-	-	-	-	-	-	†	-	†	-	†
Total Europe	32.9	34.3	40.7	41.1	40.1	49.8	59.0	54.4	57.4	70.5	89.1	89.2	68.2	51.8	52.1
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	0.9	2.8	3.0	2.8	2.3	3.6
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	0.2	1.4	1.4	1.6	1.6
Other Middle East & Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	0.1
Total Middle East & Africa	-	-	-	-	-	-	-	-	-	0.9	3.0	4.4	4.2	4.3	5.3
China	-	-	-	-	-	-	1.0	4.1	4.6	8.0	13.0	16.9	20.1	25.1	27.3
India	-	-	-	-	2.8	6.3	8.4	10.4	11.3	13.0	11.5	17.4	18.4	18.0	19.1
Japan	74.0	76.0	75.4	81.4	78.5	79.6	85.6	92.0	95.4	88.9	96.4	108.6	119.8	120.4	121.8
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	2.2
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	2.6
South Korea	20.6	22.8	25.0	26.3	30.7	31.1	34.5	36.0	38.3	35.3	45.0	47.7	49.7	55.3	51.8
Taiwan	6.2	6.6	7.3	7.8	9.6	9.8	10.8	11.4	12.6	12.4	15.0	16.3	17.1	17.2	18.6
Thailand	-	-	-	-	-	-	-	-	-	-	-	1.1	1.4	2.0	1.9
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-
Total Asia Pacific	100.7	105.4	107.7	115.6	121.5	126.8	140.3	153.9	162.2	157.5	180.9	207.9	226.6	241.2	245.2
Total World	**140.5**	**147.3**	**155.9**	**172.0**	**180.7**	**195.1**	**217.5**	**233.2**	**234.9**	**249.7**	**302.4**	**328.3**	**324.9**	**326.8**	**333.6**

Gross LNG trade.

† Less than 0.05.

◆ Less than 0.05%

n/a not available.

Contents

					Growth rate per annum		Share
2015	2016	2017	2018	**2019**	2019	2008-18	2019
0.6	0.3	0.4	0.6	**0.5**	-13.2%	n/a	0.1%
6.8	5.6	6.6	6.9	**6.6**	-4.4%	6.2%	1.4%
2.5	2.4	2.2	2.1	**1.5**	-30.9%	-14.2%	0.3%
10.0	8.3	9.2	9.6	**8.6**	-10.8%	-3.4%	1.8%
5.6	5.1	4.6	3.6	**1.7**	-51.9%	23.7%	0.4%
6.8	2.6	1.7	2.9	**3.2**	12.2%	n/a	0.7%
3.7	4.5	4.4	4.3	**3.3**	-22.2%	n/a	0.7%
2.8	3.0	2.8	3.7	**4.8**	29.5%	10.7%	1.0%
18.9	15.2	13.5	14.5	**13.1**	-9.5%	23.4%	2.7%
3.6	2.4	1.3	3.3	**7.2**	117.9%	0.9%	1.5%
6.4	9.1	10.9	12.7	**22.9**	79.8%	-0.1%	4.7%
5.9	5.9	8.2	8.2	**13.5**	64.2%	17.5%	2.8%
13.7	13.8	16.6	15.0	**21.9**	46.0%	-6.6%	4.5%
7.5	7.6	10.9	11.4	**12.9**	12.4%	7.5%	2.7%
13.7	10.7	6.6	7.2	**18.0**	151.9%	24.3%	3.7%
5.2	6.9	10.2	13.4	**23.4**	74.7%	13.6%	4.8%
-	†	0.1	†	**†**	26.8%	n/a	♦
56.0	56.4	64.7	71.3	**119.8**	68.1%	2.2%	24.7%
3.9	10.7	8.3	3.2	**-**	-100.0%	n/a	-
4.3	4.7	4.8	4.3	**5.1**	19.0%	n/a	1.1%
2.9	4.2	3.0	1.0	**1.6**	55.0%	n/a	0.3%
2.7	4.8	5.3	4.0	**2.8**	-30.9%	n/a	0.6%
13.7	24.5	21.4	12.5	**9.5**	-24.1%	n/a	2.0%
27.0	36.8	52.9	73.5	**84.8**	15.4%	31.8%	17.5%
20.0	24.3	26.1	30.6	**32.9**	7.4%	10.5%	6.8%
115.9	113.6	113.9	113.0	**105.5**	-6.6%	1.7%	21.7%
2.2	1.5	2.0	1.8	**3.3**	85.7%	n/a	0.7%
1.5	4.0	6.1	9.4	**11.8**	25.6%	n/a	2.4%
3.0	3.2	4.1	4.5	**5.0**	10.1%	n/a	1.0%
45.8	46.3	51.4	60.2	**55.6**	-7.6%	4.6%	11.5%
19.6	20.4	22.7	22.9	**22.8**	-0.5%	6.2%	4.7%
3.6	3.9	5.2	6.0	**6.7**	11.5%	n/a	1.4%
-	-	-	0.8	**5.7**	576.6%	n/a	1.2%
238.5	253.9	284.6	322.7	**334.1**	3.5%	7.1%	68.9%
337.1	**358.3**	**393.3**	**430.6**	**485.1**	**12.7%**	**6.2%**	**100.0%**

Source: Includes data from GIIGNL, IHS.

Natural gas: LNG exports

Billion cubic metres	2000	2001	2002	2003	2004	2005	2006	2007	2008
US	1.7	1.8	1.8	1.7	1.7	1.9	1.6	1.2	1.0
Peru	-	-	-	-	-	-	-	-	-
Trinidad & Tobago	4.0	3.8	5.5	11.7	13.7	13.6	16.3	18.1	18.2
Other Americas*	-	-	-	-	-	-	-	-	-
Total Americas	5.7	5.6	7.3	13.4	15.4	15.6	17.9	19.3	19.3
Russia	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	0.2	2.1
Other Europe*	-	-	-	-	†	0.1	-	-	0.4
Total Europe & CIS	-	-	-	-	†	0.1	-	0.2	2.5
Oman	2.6	7.7	8.8	9.2	9.4	9.3	11.6	12.6	11.3
Qatar	14.5	17.5	19.1	19.4	24.8	28.5	33.5	39.6	41.1
United Arab Emirates	7.5	7.7	7.4	7.7	8.2	7.4	7.9	8.3	8.3
Yemen	-	-	-	-	-	-	-	-	-
Total Middle East	24.6	32.9	35.2	36.4	42.5	45.1	53.0	60.6	60.7
Algeria	26.0	26.4	27.7	29.1	25.0	26.5	24.3	24.3	21.9
Angola	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	7.0	14.7	14.0	14.0
Nigeria	6.1	7.7	8.1	11.8	13.1	12.9	18.4	22.6	22.7
Other Africa	0.8	0.8	0.7	0.8	0.7	1.0	0.7	2.2	5.2
Total Africa	32.9	34.9	36.5	41.6	38.9	47.3	58.2	63.1	63.8
Australia	10.3	10.4	10.5	10.7	12.2	15.5	19.1	20.9	20.9
Brunei	8.9	9.1	9.6	9.7	9.6	9.6	10.0	9.6	9.4
Indonesia	36.6	32.6	35.9	36.5	34.0	32.0	30.6	28.8	27.8
Malaysia	21.5	21.3	20.8	23.8	28.1	30.0	28.7	30.8	30.4
Papua New Guinea	-	-	-	-	-	-	-	-	-
Other Asia Pacific*	-	0.4	-	-	-	-	-	-	-
Total Asia Pacific	77.3	73.9	76.9	80.6	83.9	87.0	88.5	90.1	88.6
Total LNG exports	**140.5**	**147.3**	**155.9**	**172.0**	**180.7**	**195.1**	**217.5**	**233.2**	**234.9**

Gross LNG trade.

*Largely consists of re-exports.

† Less than 0.05.

◆ Less than 0.05%

n/a not available.

Contents

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth rate 2019
0.8	1.5	1.8	0.8	0.2	0.4	0.7	4.0	17.1	28.6	**47.5**	66.3%
-	1.9	5.2	5.1	5.7	5.7	5.0	5.5	5.5	4.8	**5.2**	8.6%
19.5	19.6	18.2	18.3	18.4	17.6	16.4	14.3	13.5	16.6	**17.0**	2.6%
-	-	0.1	0.5	0.1	0.2	†	0.6	0.3	0.1	**0.1**	-14.5%
20.3	22.9	25.2	24.7	24.3	23.9	22.1	24.5	36.5	50.1	**69.8**	39.5%
6.8	13.5	14.3	14.3	14.5	13.6	14.6	14.6	15.4	24.9	**39.4**	57.9%
3.1	4.6	4.4	4.6	3.8	4.6	5.6	6.1	5.4	6.8	**6.6**	-2.1%
0.2	0.5	1.7	3.6	5.2	8.4	5.4	4.5	2.5	5.0	**2.0**	-59.9%
10.2	18.6	20.4	22.4	23.5	26.6	25.6	25.3	23.4	36.7	**48.0**	30.8%
11.8	11.7	11.0	11.1	11.5	10.6	10.2	11.0	11.4	13.6	**14.1**	3.6%
51.8	77.8	100.7	104.0	105.8	103.6	105.6	107.3	103.6	104.9	**107.1**	2.0%
7.8	8.7	8.3	8.1	7.9	8.6	7.6	7.7	7.3	7.4	**7.7**	3.5%
0.4	5.5	8.8	7.1	9.9	9.4	1.9	-	-	-	**-**	n/a
71.8	103.8	128.7	130.3	135.2	132.2	125.4	126.0	122.3	125.9	**128.8**	2.3%
21.4	19.5	16.7	14.9	15.0	17.4	16.6	15.5	16.4	13.1	**16.6**	26.4%
-	-	-	-	0.4	0.4	-	0.9	5.0	5.2	**5.8**	11.7%
13.1	10.0	9.0	6.9	3.9	0.4	-	0.8	1.2	2.0	**4.5**	129.8%
16.1	24.1	25.7	27.9	22.5	26.1	26.9	24.6	28.2	27.9	**28.8**	3.3%
5.4	5.3	5.0	4.6	5.2	5.0	5.0	4.4	4.9	5.5	**5.5**	0.9%
56.0	58.8	56.4	54.2	47.0	49.5	48.5	46.2	55.7	53.6	**61.2**	14.2%
25.1	25.8	26.0	28.3	30.5	32.0	39.9	60.4	76.6	91.8	**104.7**	14.0%
9.0	9.0	9.6	9.2	9.5	8.6	8.7	8.6	9.1	8.5	**8.8**	3.0%
26.9	32.4	28.7	24.4	23.1	21.7	21.6	22.4	21.7	20.8	**16.5**	-20.8%
30.4	31.0	33.2	31.4	33.6	34.0	34.3	33.6	36.1	33.0	**35.1**	6.5%
-	-	-	-	-	5.0	10.1	10.9	11.1	9.5	**11.6**	22.2%
-	-	-	-	0.1	0.2	0.8	0.5	0.8	0.6	**0.5**	-12.7%
91.5	98.3	97.5	93.3	96.8	101.5	115.5	136.4	155.4	164.3	**177.3**	7.9%
249.7	**302.4**	**328.3**	**324.9**	**326.8**	**333.6**	**337.1**	**358.3**	**393.3**	**430.6**	**485.1**	**12.7%**

Source: Includes

Contents

per annum	Share
2008-18	2019
39.7%	9.8%
n/a	1.1%
-0.9%	3.5%
n/a	♦
10.0%	14.4%
n/a	8.1%
12.2%	1.4%
28.5%	0.4%
30.6%	9.9%
1.9%	2.9%
9.8%	22.1%
-1.2%	1.6%
n/a	-
7.6%	26.5%
-5.0%	3.4%
n/a	1.2%
-17.8%	0.9%
2.1%	5.9%
0.5%	1.1%
-1.7%	12.6%
16.0%	21.6%
-1.0%	1.8%
-2.9%	3.4%
0.8%	7.2%
n/a	2.4%
n/a	0.1%
6.4%	36.5%
6.2%	**100.0%**

data from GIIGNL, IHS.

Natural Gas: Trade movements 2019 as liquefied natural gas*

Contents

Contents

From

Billion cubic metres **To**	US	Peru	Trinidad & Tobago	Other Americas*	Norway	Other Europe*	Russian Federation	Oman	Qatar	United Arab Emirates	Yemen	Algeria	Angola	Egypt	Nigeria	Other Africa	Australia	Brunei	Indonesia	Malaysia	Papua New Guinea	Other Asia Pacific*	**Total imports**
Canada	†	-	0.5	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	**0.5**
Mexico	3.9	-	0.6	-	-	-	-	-	-	-	-	-	-	-	1.3	0.5	-	-	0.3	-	-	-	**6.6**
US	-	-	1.3	†	-	0.1	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	**1.5**
North America	3.9	-	2.4	†	-	0.1	-	-	-	-	-	-	0.1	-	1.4	0.5	-	-	0.3	-	-	-	**8.6**
Argentina	1.0	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	†	-	-	-	-	-	-	**1.7**
Brazil	1.5	-	0.7	0.1	0.3	-	-	-	-	-	-	-	0.1	-	0.3	0.3	-	-	-	-	-	-	**3.2**
Chile	2.3	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	**3.3**
Other S. & Cent. America	1.0	-	3.3	-	0.3	-	0.2	-	-	-	-	-	-	†	0.1	-	-	-	-	-	-	-	**4.8**
S. & Cent. America	5.8	-	5.5	0.1	0.6	-	0.2	-	-	-	-	-	0.1	†	0.4	0.5	-	-	-	-	-	-	**13.1**
Belgium	0.3	-	-	-	-	-	2.1	-	4.6	-	-	-	0.1	-	-	-	-	-	-	-	-	-	**7.2**
France	3.1	0.4	0.3	-	1.5	†	6.9	-	1.9	-	-	3.6	0.4	0.4	4.4	-	-	-	-	-	-	-	**22.9**
Italy	1.6	-	1.5	-	0.2	0.1	-	-	6.4	-	-	2.9	-	0.5	0.1	0.1	-	-	-	-	-	-	**13.5**
Spain	4.5	0.5	2.8	-	0.7	0.1	3.2	-	4.4	-	-	1.1	0.3	-	4.3	0.2	-	-	-	-	-	-	**21.9**
Turkey	1.2	-	0.2	-	0.1	0.1	-	-	2.5	-	-	5.8	-	0.5	2.5	0.1	-	-	-	-	-	-	**12.9**
United Kingdom	2.9	0.3	0.8	-	0.3	0.1	3.1	-	8.8	-	-	1.0	0.1	-	0.3	0.3	-	-	-	-	-	-	**18.0**
Other EU	4.7	0.5	0.5	-	3.1	0.2	5.1	-	3.5	-	-	0.8	0.3	0.3	4.2	-	-	-	-	-	-	-	**23.4**
Rest of Europe	-	-	-	-	-	†	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	†
Europe	18.3	1.7	6.1	-	5.9	0.6	20.5	-	32.2	-	-	15.2	1.2	1.7	15.8	0.7	-	-	-	-	-	-	**119.8**
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
Kuwait	0.3	-	0.2	-	-	-	-	1.0	2.7	-	-	0.1	0.2	0.1	0.6	-	-	-	-	-	-	-	**5.1**
United Arab Emirates	0.6	-	0.1	-	-	0.1	0.2	0.1	-	-	-	-	0.2	0.1	0.2	-	0.1	-	-	-	-	-	**1.6**
Other Middle East & Africa	0.9	-	0.9	-	-	0.1	0.6	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	**2.8**
Middle East & Africa	1.7	-	1.2	-	-	0.2	0.8	1.2	2.8	-	-	0.1	0.4	0.2	0.8	-	0.1	-	-	-	-	-	**9.5**
China	0.4	0.9	1.0	†	0.1	0.4	3.4	1.5	11.4	0.2	-	0.1	0.2	0.3	2.6	1.5	39.8	0.8	6.2	10.0	3.9	0.2	**84.8**
India	2.6	-	0.2	-	0.1	0.5	0.3	1.3	13.2	3.6	-	0.3	3.7	0.3	3.6	1.2	1.4	-	-	0.5	-	-	**32.9**
Japan	5.0	0.9	-	-	-	-	8.7	3.9	11.9	3.0	-	0.1	-	0.1	1.1	0.1	41.0	5.9	5.7	12.8	5.1	0.2	**105.5**
Malaysia	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	2.1	1.0	-	-	-	-	**3.3**
Pakistan	0.7	-	-	-	-	-	-	0.3	7.2	0.6	-	0.4	-	0.9	1.3	0.3	-	-	-	0.1	-	0.1	**11.8**
Singapore	0.8	-	0.2	-	-	-	-	-	0.1	-	-	-	0.1	0.6	0.1	0.3	2.4	-	0.2	†	0.1	-	**5.0**
South Korea	7.2	1.5	0.1	-	-	-	3.1	5.4	15.3	0.3	-	-	-	0.2	0.9	0.1	10.6	0.8	3.2	6.6	0.4	0.1	**55.6**
Taiwan	0.7	0.2	0.3	-	-	-	2.0	0.2	6.4	0.1	-	-	-	0.2	0.3	0.3	6.0	0.3	0.5	3.4	2.0	-	**22.8**
Thailand	0.2	0.1	0.1	-	-	-	0.1	0.2	2.6	-	-	-	0.1	0.2	-	-	1.1	-	0.4	1.7	-	-	**6.7**
Other Asia Pacific	0.1	-	-	-	-	0.2	0.3	0.1	3.8	-	-	0.4	-	0.1	0.4	-	0.1	-	0.1	0.2	-	-	**5.7**
Asia Pacific	17.8	3.5	1.8	†	0.2	1.1	17.9	12.8	72.0	7.7	-	1.2	4.1	2.7	10.5	3.9	104.6	8.8	16.2	35.1	11.6	0.5	**334.1**
Total exports	**47.5**	**5.2**	**17.0**	**0.1**	**6.6**	**2.0**	**39.4**	**14.1**	**107.1**	**7.7**	**-**	**16.6**	**5.8**	**4.5**	**28.8**	**5.5**	**104.7**	**8.8**	**16.5**	**35.1**	**11.6**	**0.5**	**485.1**

Source: Includes data from GIIGNL, IHS.

* Includes re-exports

† Less than 0.05.

Note: As far as possible, the data above represents standard cubic metres (measured at 15ºC and 1013 mbar) and has been standardized using a gross calorific value (GCV) of 40 MJ/m^3.

Natural Gas: Trade movements 2019 by pipeline

Contents

Billion cubic metres

To	From: Canada	Mexico	US	Bolivia	Other S. & Cent. America	Netherlands	Norway	Other Europe	Azerbaijan	Kazakhstan	Russian Federation	Turkmenistan	Uzbekistan	Iran	Qatar	Other Middle East	Algeria	Libya	Other Africa	Indonesia	Myanmar	Other Asia Pacific	Total imports
Canada	-	-	24.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**24.6**
Mexico	-	-	50.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**50.8**
US	73.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**73.3**
North America	73.2	0.1	75.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**148.7**
Argentina	-	-	-	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**4.9**
Brazil	-	-	-	6.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**6.4**
Other S. & Cent. America	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.7**
S. & Cent. America	-	-	-	11.3	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**12.0**
Belgium	-	-	-	-	-	6.6	5.1	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**12.6**
France	-	-	-	-	-	4.4	19.3	5.8	-	-	7.8	-	-	-	-	-	-	-	-	-	-	-	**37.2**
Germany	-	-	-	-	-	23.4	27.8	2.9	-	-	55.6	-	-	-	-	-	-	-	-	-	-	-	**109.6**
Italy	-	-	-	-	-	1.2	2.7	14.2	-	-	20.7	-	-	-	-	-	9.7	5.4	-	-	-	-	**54.1**
Netherlands	-	-	-	-	-	-	25.3	6.7	-	-	8.0	-	-	-	-	-	-	-	-	-	-	-	**40.0**
Spain	-	-	-	-	-	-	1.8	2.8	-	-	-	-	-	-	-	-	11.4	-	-	-	-	-	**16.0**
Turkey	-	-	-	-	-	-	-	-	9.2	-	14.6	-	-	7.4	-	-	-	-	-	-	-	-	**31.3**
Ukraine	-	-	-	-	-	-	-	11.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**11.0**
United Kingdom	-	-	-	-	-	1.6	26.6	0.4	-	-	4.7	-	-	-	-	-	-	-	-	-	-	-	**33.2**
Other EU	-	-	-	-	-	1.0	0.4	37.5	-	-	73.9	-	-	-	-	-	0.4	-	-	-	-	-	**113.2**
Rest of Europe	-	-	-	-	-	0.1	-	8.3	2.0	-	2.7	-	-	-	-	-	-	-	-	-	-	-	**13.0**
Europe	-	-	-	-	-	38.2	109.1	90.5	11.2	-	188.0	-	-	7.4	-	-	21.4	5.4	-	-	-	-	**471.3**
Belarus	-	-	-	-	-	-	-	-	-	-	19.0	-	-	-	-	-	-	-	-	-	-	-	**19.0**
Kazakhstan	-	-	-	-	-	-	-	-	-	-	5.1	-	1.8	-	-	-	-	-	-	-	-	-	**6.9**
Russian Federation	-	-	-	-	-	-	-	-	-	20.6	-	-	6.2	-	-	-	-	-	-	-	-	-	**26.8**
Other CIS	-	-	-	-	-	-	-	-	-	0.4	4.8	-	0.4	0.4	-	-	-	-	-	-	-	-	**5.9**
CIS	-	-	-	-	-	-	-	-	-	20.9	28.9	-	8.4	0.4	-	-	-	-	-	-	-	-	**58.5**
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.5	-	-	-	-	-	-	-	**19.5**
Other Middle East	-	-	-	-	-	-	-	-	0.3	-	-	-	-	9.1	2.0	0.1	-	-	1.4	-	-	-	**13.0**
Middle East	-	-	-	-	-	-	-	-	0.3	-	-	-	-	9.1	21.5	0.1	-	-	1.4	-	-	-	**32.5**
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-	-	-	**3.8**
Other Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	0.8	-	-	-	**6.0**
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	4.6	-	-	-	**9.8**
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	**5.2**
China	-	-	-	-	-	-	-	-	-	6.5	0.3	31.6	4.9	-	-	-	-	-	-	-	4.4	-	**47.7**
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	**0.6**
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	1.3	**8.1**
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	-	**7.1**
Asia Pacific	-	-	-	-	-	-	-	-	-	6.5	0.3	31.6	4.9	-	-	-	-	-	-	7.4	11.5	6.5	**68.7**
Total exports	**73.2**	**0.1**	**75.4**	**11.3**	**0.7**	**38.2**	**109.1**	**90.5**	**11.5**	**27.5**	**217.2**	**31.6**	**13.2**	**16.9**	**21.5**	**0.1**	**26.7**	**5.4**	**6.0**	**7.4**	**11.5**	**6.5**	**801.5**

Source: Includes data from FGE MENAgas service, IHS.

Note: As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 mbar) and has been standardized using a gross calorific value (GCV) of 40 MJ/m^3

Coal:
Total proved reserves at end 2019

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Million tonnes	Anthracite and bituminous	Sub-bituminous and lignite	Total	Share of Total	R/P ratio
Canada	4346	2236	**6582**	0.6%	130
Mexico	1160	51	**1211**	0.1%	108
US	219534	30003	**249537**	23.3%	390
Total North America	225040	32290	**257330**	24.1%	367
Brazil	1547	5049	**6596**	0.6%	*
Colombia	4554	-	**4554**	0.4%	55
Venezuela	731	-	**731**	0.1%	*
Other S. & Cent. America	1784	24	**1808**	0.2%	*
Total S. & Cent. America	8616	5073	**13689**	1.3%	152
Bulgaria	192	2174	**2366**	0.2%	153
Czech Republic	413	2514	**2927**	0.3%	71
Germany	-	35900	**35900**	3.4%	268
Greece	-	2876	**2876**	0.3%	105
Hungary	276	2633	**2909**	0.3%	425
Poland	21067	5865	**26932**	2.5%	240
Romania	11	280	**291**	♦	13
Serbia	402	7112	**7514**	0.7%	193
Spain	868	319	**1187**	0.1%	*
Turkey	550	10975	**11525**	1.1%	140
Ukraine	32039	2336	**34375**	3.2%	*
United Kingdom	26	-	**26**	♦	12
Other Europe	1109	5172	**6281**	0.6%	141
Total Europe	56953	78156	**135109**	12.6%	244
Kazakhstan	25605	-	**25605**	2.4%	222
Russian Federation	71719	90447	**162166**	15.2%	369
Uzbekistan	1375	-	**1375**	0.1%	339
Other CIS	1509	-	**1509**	0.1%	331
Total CIS	100208	90447	**190655**	17.8%	338
South Africa	9893	-	**9893**	0.9%	39
Zimbabwe	502	-	**502**	♦	215
Other Africa	4376	66	**4442**	0.4%	202
Middle East	1203	-	**1203**	0.1%	*
Total Middle East & Africa	15974	66	**16040**	1.5%	57
Australia	72571	76508	**149079**	13.9%	294
China	133467	8128	**141595**	13.2%	37
India	100858	5073	**105931**	9.9%	140
Indonesia	28163	11728	**39891**	3.7%	65
Japan	340	10	**350**	♦	462
Mongolia	1170	1350	**2520**	0.2%	44
New Zealand	825	6750	**7575**	0.7%	*
Pakistan	207	2857	**3064**	0.3%	481
South Korea	326	-	**326**	♦	300
Thailand	-	1063	**1063**	0.1%	76
Vietnam	3116	244	**3360**	0.3%	73
Other Asia Pacific	1333	726	**2059**	0.2%	32
Total Asia Pacific	342376	114437	**456813**	42.7%	77
Total World	**749167**	**320469**	**1069636**	**100.0%**	**132**
of which: OECD	324066	177130	**501196**	46.9%	308
Non-OECD	425101	143339	**568440**	53.1%	88
European Union	23434	53051	**76485**	7.2%	209

* More than 500 years.

Source: Federal Institute for Geosciences and Natural Resources (BGR) Energy Study 2020.

♦ Less than 0.05%.

Notes: Total proved reserves of coal- Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for total proved coal reserves does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance as published by the US Securities and Exchange Commission nor does it necessarily represent bp's view of proved reserves by country.

Reserves-to-production (R/P) ratio - If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

Reserves-to-production (R/P) ratios are calculated excluding other solid fuels in reserves and production.

Shares of total and R/P ratios are calculated using million tonnes figures.

Coal: Production*

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Million tonnes	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	40.1	42.9	44.8	57.4	60.9	57.0	61.2	70.6	70.5	68.3	71.1	65.6	69.0	72.8	75.0	75.9	78.8	75.3	72.4	69.1	70.5	67.0	62.6	66.2	68.4	67.4	69.0	68.4	64.6	68.0	67.5	67.1	68.0	67.9	62.0	62.4	60.3	53.2	**50.5**	-5.1%	-2.5%	0.6%
Mexico	3.0	3.8	4.9	5.3	5.5	6.2	6.9	6.3	6.8	6.9	6.4	6.1	6.6	9.0	8.9	9.7	9.4	10.1	10.3	11.3	8.9	7.1	9.2	12.2	12.7	14.1	15.2	14.4	12.7	15.3	19.6	15.2	14.6	14.9	12.3	11.4	12.9	11.9	**11.2**	-5.4%	-1.9%	0.1%
US	747.3	760.3	709.5	812.8	801.6	807.7	833.5	862.1	889.7	933.6	903.5	905.0	857.7	937.6	937.1	965.1	988.8	1013.8	998.3	974.0	1023.0	992.7	972.3	1008.9	1026.5	1054.8	1040.2	1063.0	975.2	983.7	993.9	922.1	893.4	907.2	813.7	660.8	702.7	686.0	**639.8**	-6.7%	-4.3%	7.9%
Total North America	**790.4**	**807.0**	**759.2**	**875.5**	**868.0**	**870.9**	**901.6**	**939.1**	**967.0**	**1008.8**	**981.1**	**976.7**	**933.3**	**1019.4**	**1021.0**	**1050.7**	**1077.0**	**1099.2**	**1081.0**	**1054.4**	**1102.4**	**1066.8**	**1044.1**	**1087.3**	**1107.6**	**1136.3**	**1124.4**	**1145.9**	**1052.5**	**1067.0**	**1081.0**	**1004.4**	**976.1**	**990.1**	**888.0**	**734.5**	**775.9**	**751.1**	**701.5**	**-6.6%**	**-4.1%**	**8.6%**
Brazil	5.7	6.3	6.7	7.5	7.7	7.4	6.9	7.3	6.7	4.1	4.9	4.6	4.6	5.1	5.1	4.8	5.6	5.6	5.7	6.7	5.6	7.6	6.8	7.8	8.0	8.1	8.3	8.8	8.3	7.7	7.6	8.2	9.5	9.4	8.0	7.5	5.8	6.4	**7.8**	21.3%	-3.1%	0.1%
Colombia	4.0	4.4	5.1	6.6	9.0	10.7	14.6	15.1	18.9	20.5	20.0	21.9	21.7	22.7	25.7	29.6	32.7	33.6	32.8	38.2	43.9	39.5	50.0	53.9	59.7	66.2	69.9	73.5	72.8	74.4	85.8	89.0	85.5	88.6	85.5	90.5	90.5	84.3	**82.4**	-2.2%	1.4%	1.0%
Venezuela	^	^	^	^	^	0.1	0.2	1.1	2.1	2.2	2.4	2.5	4.0	4.4	4.4	4.2	5.3	6.5	6.6	7.9	7.7	8.1	7.0	8.1	7.2	7.2	6.9	5.1	3.3	2.6	2.6	1.9	1.2	0.8	0.8	0.4	0.4	0.2	**0.3**	49.1%	-27.5%	⬩
Other S. & Cent. America	1.7	1.6	1.6	1.8	1.8	2.0	2.2	3.1	3.1	3.1	3.1	2.4	2.0	2.1	1.8	1.8	1.7	0.5	0.9	0.8	0.8	0.6	0.5	0.3	0.8	0.9	0.5	0.8	0.9	0.8	0.9	1.0	3.2	4.5	3.4	2.8	1.8	1.6	**1.2**	-27.0%	7.8%	⬩
Total S. & Cent. America	**11.4**	**12.4**	**13.4**	**16.0**	**18.5**	**20.2**	**23.9**	**26.6**	**30.7**	**29.9**	**30.4**	**31.4**	**32.3**	**34.3**	**37.0**	**40.3**	**45.3**	**46.1**	**45.9**	**53.6**	**58.0**	**55.8**	**64.3**	**70.1**	**75.7**	**82.3**	**85.6**	**88.1**	**85.3**	**85.5**	**96.9**	**100.1**	**99.4**	**103.2**	**97.8**	**101.2**	**98.6**	**92.5**	**91.7**	**-0.9%**	**0.5%**	**1.1%**
Bulgaria	29.2	32.2	32.4	32.4	30.9	35.2	36.8	34.2	34.3	31.7	31.0	32.7	31.5	31.0	33.2	33.6	29.7	30.1	25.3	26.4	26.6	26.0	27.3	26.5	24.7	25.7	28.7	29.1	27.3	29.4	37.1	33.4	28.6	31.3	35.9	31.3	34.3	30.9	**15.4**	-50.0%	0.6%	0.2%
Czech Republic	117.7	118.8	123.0	124.9	122.8	123.1	122.2	119.8	114.1	101.4	96.2	86.6	85.2	76.9	74.3	76.2	73.5	67.5	59.1	65.2	66.1	63.4	63.9	61.8	62.0	62.9	62.6	60.2	56.4	55.4	58.1	55.2	49.1	47.1	46.5	45.5	44.9	43.8	**41.0**	-6.4%	-3.1%	0.5%
Germany	492.8	499.7	476.5	501.8	521.6	513.2	502.9	498.3	482.7	427.4	346.4	307.9	280.7	259.7	246.7	235.8	223.6	207.3	201.1	201.6	203.0	208.4	205.2	208.0	203.1	197.4	201.9	192.5	183.6	182.3	188.6	196.2	190.6	185.8	184.3	175.4	175.1	168.8	**133.9**	-20.7%	-1.3%	1.6%
Greece	27.3	27.4	30.6	32.5	35.9	38.1	44.6	48.3	51.9	51.9	52.7	55.1	54.8	56.7	57.7	59.8	58.8	60.9	62.1	63.9	66.3	70.5	68.3	70.0	69.4	64.8	66.3	65.7	64.9	56.5	58.7	63.0	53.9	50.8	46.2	32.6	37.7	36.5	**27.3**	-25.1%	-5.7%	0.3%
Hungary	25.9	26.1	25.2	25.0	24.0	23.1	22.8	20.9	20.0	17.8	17.0	15.9	14.4	13.9	14.5	15.5	16.2	15.1	14.9	14.3	14.1	12.8	13.4	11.3	9.6	10.0	9.8	9.4	9.0	9.1	9.6	9.3	9.6	9.6	9.3	9.2	8.0	7.9	**6.9**	-13.3%	-1.7%	0.1%
Poland	198.6	227.0	233.6	242.0	249.4	259.3	266.2	266.5	249.5	215.3	209.8	198.4	198.6	200.7	200.7	201.7	200.9	178.6	172.7	162.8	163.5	161.9	163.8	161.3	159.5	156.1	145.9	144.0	135.2	133.2	139.3	144.1	142.9	137.1	135.8	131.0	127.1	122.4	**112.4**	-8.2%	-1.6%	1.4%
Romania	39.6	41.4	48.8	47.8	49.8	51.4	55.7	62.9	66.5	38.2	32.4	38.4	39.8	40.6	41.1	41.9	33.8	26.2	22.9	29.3	33.3	30.4	33.1	31.8	31.1	34.9	35.8	35.9	34.0	31.1	35.5	33.9	24.7	23.6	25.5	23.0	25.8	23.7	**21.7**	-8.4%	-4.1%	0.3%
Serbia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37.7	39.2	38.8	37.9	40.8	38.2	40.3	29.8	37.8	38.5	39.9	37.7	**39.0**	3.4%	-0.4%	0.5%
Spain	35.7	39.3	40.0	39.6	39.7	38.3	34.6	31.9	36.6	36.0	33.5	33.3	31.6	29.5	28.5	27.4	26.5	26.1	24.3	23.5	22.7	22.0	20.5	20.5	19.4	18.4	17.2	10.2	9.4	8.4	6.6	6.2	4.4	3.9	3.1	1.7	3.0	2.5	**0.1**	-97.4%	-13.1%	⬩
Turkey	21.0	22.7	25.2	30.0	40.0	46.4	47.0	39.2	52.2	47.4	46.1	51.4	48.6	54.4	55.1	56.4	59.9	67.4	67.0	63.3	62.1	54.0	48.6	46.4	60.8	64.3	75.4	79.4	79.5	73.4	76.0	71.5	60.4	65.2	58.4	73.0	74.1	83.9	**84.0**	0.1%	0.6%	1.0%
Ukraine	n/a	n/a	n/a	n/a	170.9	175.1	173.1	172.2	161.8	159.2	135.2	126.4	108.7	88.6	77.9	58.0	59.3	60.2	63.5	62.9	62.1	62.2	60.7	60.3	61.4	62.4	59.1	59.8	55.4	55.4	63.2	66.2	64.9	45.7	30.4	32.2	24.7	26.8	**26.2**	-2.3%	-7.7%	0.3%
United Kingdom	127.5	124.7	119.3	51.2	94.1	108.1	104.5	104.1	99.8	92.8	94.2	84.5	68.2	49.8	53.0	50.2	48.5	41.2	37.1	31.2	31.9	30.0	28.3	25.1	20.5	18.5	17.0	18.1	17.9	18.3	18.6	17.0	12.8	11.6	8.6	4.2	3.0	2.6	**2.2**	-16.1%	-17.7%	⬩
Other Europe	101.9	109.2	110.5	117.1	146.3	150.7	145.2	139.4	146.1	141.3	125.5	120.2	106.3	95.9	99.3	96.3	103.3	95.0	89.3	90.6	91.8	95.0	101.4	93.1	97.8	103.7	60.3	64.1	66.0	68.5	70.4	63.2	72.2	67.8	62.2	58.9	62.5	94.2	**67.5**	-28.4%	3.9%	0.8%
Total Europe	**1217.2**	**1268.5**	**1265.1**	**1244.2**	**1525.5**	**1562.1**	**1555.7**	**1537.7**	**1515.4**	**1360.1**	**1220.0**	**1150.8**	**1068.3**	**997.6**	**982.0**	**952.7**	**934.1**	**875.6**	**839.2**	**834.9**	**843.6**	**836.6**	**834.4**	**816.1**	**819.2**	**819.0**	**817.7**	**807.5**	**777.4**	**759.1**	**802.3**	**797.2**	**754.3**	**709.4**	**684.0**	**656.7**	**660.1**	**681.6**	**577.4**	**-15.3%**	**-1.7%**	**7.1%**
Kazakhstan	n/a	n/a	n/a	n/a	130.8	137.5	142.1	143.1	138.4	131.4	130.4	126.5	111.9	104.6	83.3	76.8	72.6	69.8	58.4	74.9	79.1	73.7	84.9	86.9	86.6	96.2	97.8	111.1	100.9	110.9	116.4	120.5	119.6	114.0	107.3	103.1	112.3	118.5	**115.4**	-2.6%	0.6%	1.4%
Russian Federation	n/a	n/a	n/a	n/a	409.3	423.9	424.1	440.0	422.8	405.2	362.2	349.0	311.9	278.3	269.6	262.4	250.4	235.5	255.2	262.2	274.3	258.9	279.0	284.7	300.1	311.4	315.7	330.2	302.5	322.9	337.4	358.3	355.2	357.4	372.5	386.6	412.5	441.6	**440.4**	-0.3%	2.9%	5.4%
USSR	778.1	778.0	774.8	761.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	5.3	6.0	5.0	5.5	6.2	6.5	5.9	4.7	3.8	3.8	3.1	2.8	2.9	3.0	3.0	2.5	2.7	2.7	1.9	2.7	3.0	3.1	3.3	3.6	3.7	3.6	3.8	3.8	4.1	4.4	4.0	3.9	4.0	4.2	**4.1**	-2.9%	1.5%	⬩
Other CIS	n/a	n/a	n/a	n/a	8.9	9.5	8.7	9.3	9.0	7.6	7.7	6.5	4.8	4.4	3.6	3.3	3.3	2.5	3.5	2.4	2.5	2.7	2.3	2.6	2.7	2.6	3.1	3.1	3.0	3.1	3.8	4.3	4.2	4.1	4.0	4.7	5.7	6.7	**6.9**	3.9%	8.1%	0.1%
Total CIS	**778.1**	**778.0**	**774.8**	**761.9**	**554.3**	**576.9**	**579.8**	**597.9**	**576.4**	**550.8**	**506.2**	**486.8**	**432.4**	**391.2**	**359.5**	**345.3**	**329.3**	**310.7**	**320.1**	**342.0**	**358.6**	**338.0**	**368.1**	**376.8**	**392.5**	**413.2**	**419.9**	**447.9**	**410.1**	**440.6**	**461.5**	**486.8**	**483.1**	**479.9**	**487.7**	**498.2**	**534.5**	**570.9**	**566.8**	**-0.7%**	**2.5%**	**7.0%**
Total Middle East	**0.9**	**1.0**	**1.0**	**1.0**	**1.1**	**1.1**	**1.1**	**1.2**	**0.9**	**1.1**	**1.2**	**1.0**	**1.5**	**1.5**	**1.6**	**1.4**	**1.4**	**1.7**	**1.5**	**1.5**	**1.5**	**1.5**	**1.6**	**1.7**	**2.0**	**2.1**	**2.1**	**2.0**	**1.6**	**1.5**	**1.6**	**1.5**	**1.5**	**1.5**	**1.6**	**1.8**	**2.0**	**1.5**	**1.5**	**-**	**-2.7%**	⬩
South Africa	130.4	144.2	145.6	162.9	173.5	176.7	176.6	181.4	176.3	174.8	178.4	184.0	188.2	195.8	206.2	206.4	220.1	223.0	223.5	224.2	223.6	220.2	238.8	242.8	245.0	244.8	247.7	252.2	247.8	254.5	252.8	258.6	256.3	261.4	252.2	249.7	252.3	253.3	**254.3**	0.4%	⬩	3.1%
Zimbabwe	2.9	2.8	3.3	3.1	3.1	4.1	4.8	5.1	5.1	5.5	5.6	5.6	5.3	5.5	5.5	5.2	5.3	5.5	5.0	4.4	4.5	3.9	2.8	3.8	3.4	2.1	2.1	1.5	1.7	2.7	2.6	1.6	3.1	5.8	4.3	2.7	2.9	3.6	**2.3**	-35.0%	9.0%	⬩
Other Africa	2.7	2.3	2.1	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.3	2.2	2.3	2.3	2.0	1.8	2.2	2.1	1.9	1.8	2.0	1.7	1.9	1.7	1.6	1.4	1.4	1.3	1.8	2.0	7.1	8.3	9.4	9.6	12.3	22.4	28.0	**22.0**	-21.4%	34.8%	0.3%
Total Africa	**136.0**	**149.2**	**151.0**	**168.3**	**179.0**	**183.2**	**183.7**	**188.8**	**183.6**	**182.6**	**186.3**	**191.9**	**195.7**	**203.5**	**214.0**	**213.6**	**227.2**	**230.7**	**230.6**	**230.5**	**229.9**	**226.2**	**243.3**	**248.5**	**250.0**	**248.5**	**251.1**	**255.1**	**250.8**	**258.9**	**257.3**	**267.3**	**267.7**	**276.6**	**266.1**	**264.8**	**277.7**	**284.9**	**278.7**	**-2.2%**	**1.1%**	**3.4%**
Australia	128.5	131.6	135.1	141.6	168.6	180.3	190.1	189.5	204.5	213.1	221.1	231.8	230.8	236.4	248.1	257.0	281.0	290.7	305.8	313.9	335.5	343.2	351.1	363.2	378.8	385.8	396.5	408.0	422.5	434.4	423.2	448.2	472.8	505.3	503.7	502.1	487.2	505.5	**506.7**	0.2%	2.2%	6.2%
China	621.6	686.3	714.5	789.2	872.3	894.0	928.1	979.9	1054.2	1079.9	1087.4	1116.4	1150.7	1239.9	1360.7	1396.7	1387.5	1332.0	1364.0	1384.2	1471.5	1550.4	1834.9	2122.6	2365.1	2569.7	2759.9	2903.4	3115.4	3428.4	3764.4	3945.1	3974.3	3873.9	3746.5	3410.6	3523.6	3698.0	**3846.0**	4.0%	2.4%	47.3%
India	130.1	135.0	142.9	152.5	157.5	169.2	185.4	197.0	215.3	223.3	239.9	253.8	263.2	270.9	289.0	311.0	319.4	320.9	314.4	334.8	341.9	358.1	375.4	408.0	429.0	449.7	479.1	515.4	556.8	572.3	563.8	605.6	608.5	646.2	674.2	689.8	711.7	760.4	**786.4**	-0.5%	4.0%	9.3%
Indonesia	0.4	0.6	0.7	1.5	2.0	2.6	3.0	4.5	8.7	10.7	13.8	22.4	27.6	32.9	41.8	50.4	54.8	62.2	73.7	77.0	92.5	103.3	114.3	132.4	152.7	193.8	216.9	240.2	256.2	275.2	353.3	385.9	474.6	458.1	461.6	456.2	461.2	557.8	**610.0**	9.4%	8.8%	7.5%
Japan	17.7	17.6	17.1	16.7	16.4	16.0	13.1	11.2	10.2	8.3	8.1	7.6	7.2	6.9	6.3	6.5	4.3	3.7	3.9	3.1	3.2	1.4	1.3	1.3	1.1	1.4	1.4	1.2	1.3	0.9	1.3	1.3	1.2	1.3	1.2	1.3	1.4	1.0	**0.8**	-27.1%	-1.6%	⬩
Mongolia	4.3	4.9	5.0	5.4	6.5	7.1	7.8	8.6	8.0	7.2	7.0	6.2	5.6	5.2	5.0	5.1	4.9	5.1	5.0	5.2	5.1	5.5	5.7	6.9	7.5	8.1	9.2	10.1	14.4	25.2	33.0	31.1	33.3	24.4	24.1	35.1	49.5	54.6	**57.1**	4.7%	18.4%	0.7%
New Zealand	2.2	2.2	2.5	2.5	2.4	2.5	2.2	2.4	2.7	2.6	2.7	3.0	3.3	3.0	3.6	3.6	3.6	3.1	3.5	3.5	3.9	4.5	5.2	5.2	5.3	5.7	4.8	4.8	4.5	5.3	5.0	4.9	4.6	4.0	3.4	2.9	2.9	3.2	**3.0**	-6.3%	-3.9%	⬩
Pakistan	1.6	1.8	1.8	2.3	2.2	2.1	2.4	2.7	2.7	2.8	2.8	3.0	3.2	3.0	3.2	3.5	3.1	3.3	3.3	3.2	3.3	3.5	3.3	3.4	3.5	4.0	3.7	4.0	3.5	3.4	3.2	3.0	3.0	3.4	3.3	4.1	4.2	4.4	**6.4**	45.9%	0.9%	0.1%
South Korea	19.9	20.1	19.9	21.4	22.5	24.3	24.3	24.3	20.8	17.2	15.1	12.0	9.4	7.4	5.7	5.0	4.5	4.4	4.2	4.2	3.8	3.3	3.3	3.2	2.8	2.8	2.9	2.8	2.5	2.1	2.1	2.1	1.8	1.7	1.8	1.7	1.5	1.2	**1.1**	-9.5%	-8.0%	⬩
Thailand	1.7	2.0	1.9	2.3	5.1	5.5	6.9	7.3	9.0	12.4	14.6	15.4	15.6	17.1	18.4	21.7	23.4	20.0	18.3	17.8	19.6	19.6	18.8	20.1	20.9	19.1	18.2	18.1	17.6	18.3	21.3	18.1	18.1	18.0	15.2	17.0	16.3	14.9	**14.1**	-5.2%	-2.0%	0.2%
Vietnam	6.0	6.3	6.3	5.0	5.6	6.1	6.3	6.1	5.1	5.1	5.2	5.2	6.5	6.0	8.4	9.8	11.4	11.7	9.6	11.6	13.4	16.4	19.3	27.3	34.1	38.8	42.5	39.8	44.1	44.8	46.6	42.1	41.1	41.1	41.1	41.7	38.7	38.4	42.0	**46.3**	10.2%	0.6%	0.6%
Other Asia Pacific	48.5	51.0	51.9	53.1	55.3	54.8	53.6	52.6	51.9	48.3	46.8	41.3	38.4	35.7	33.3	29.5	29.0	26.4	29.8	32.3	32.9	32.0	33.0	35.5	39.2	39.6	36.8	39.1	34.4	37.0	38.7	39.6	39.8	40.4	44.9	61.4	54.1	65.4	**63.8**	-2.4%	5.3%	0.8%
Total Asia Pacific	**982.4**	**1039.4**	**1099.4**	**1193.5**	**1316.4**	**1364.4**	**1423.1**	**1486.1**	**1593.2**	**1631.0**	**1664.6**	**1718.1**	**1761.5**	**1864.4**	**2023.5**	**2099.7**	**2127.0**	**2083.5**	**2135.5**	**2190.8**	**2326.7**	**2441.3**	**2765.6**	**3128.9**	**3440.0**	**3718.3**	**3972.0**	**4186.9**	**4473.2**	**4847.3**	**5255.9**	**5527.1**	**5673.2**	**5617.8**	**5521.5**	**5221.0**	**5352.0**	**5708.4**	**5911.8**	**3.6%**	**3.1%**	**72.7%**
Total World	3916.5	4066.5	4063.8	4260.6	4462.8	4578.8	4669.0	4777.3	4867.2	4764.3	4589.3	4555.7	4424.9	4512.0	4638.1	4703.6	4741.3	4647.5	4653.7	4707.8	4920.7	4866.1	5321.3	5723.4	6087.0	6419.8	6672.8	6933.6	7050.8	7469.9	7966.8	8184.4	8286.3	8178.8	7846.8	7478.2	7700.7	8090.9	**8129.4**	**0.5%**	**1.6%**	**100.0%**
of which: OECD	2055.0	2118.1	2057.5	2155.7	2227.8	2321.0	2346.1	2360.0	2381.3	2310.8	2185.6	2124.1	2016.8	2052.9	2058.7	2098.3	2128.2	2101.4	2079.7	2042.1	2111.1	2082.8	2061.0	2100.6	2139.1	2168.8	2162.9	2179.7	2078.3	2093.3	2108.1	2051.9	2028.8	2058.6	1922.3	1743.1	1777.7	1711.5	**1650.0**	-4.9%	-2.0%	20.3%
Non-OECD	1861.6	1937.3	2006.3	2104.8	2184.2	2257.8	2322.9	2417.3	2485.7	2453.5	2404.2	2432.5	2408.1	2446.3	2571.9	2607.2	2613.1	2546.1	2574.1	2665.6	2803.6	2783.4	3260.3	3628.8	3947.9	4253.0	4509.9	4754.8	4972.4	5371.6	5848.4	6126.5	6228.4	6119.9	6019.5	5730.1	5923.0	6319.4	**6479.4**	2.5%	2.9%	79.7%
European Union #	1142.5	1189.1	1178.3	1146.7	1239.6	1265.3	1258.2	1248.6	1222.0	1080.0	971.7	910.0	853.1	807.5	799.2	790.7	759.3	688.3	661.0	654.0	663.3	663.0	664.2	648.8	636.0	627.7	617.3	597.3	573.1	562.8	589.7	590.5	558.1	539.6	527.6	483.0	492.7	478.0	**388.4**	-18.8%	-2.2%	4.8%

* Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and other commercial solid fuels. Includes coal produced for Coal-to-Liquids and Coal-to-Gas transformations.
^ Less than 0.05.
⬩ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and shares of total are calculated using million tonnes oil equivalent figures.

Coal: Production*

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Exajoules	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	0.97	1.03	1.07	1.40	1.49	1.38	1.39	1.61	1.72	1.67	1.75	1.55	1.65	1.74	1.80	1.83	1.90	1.80	1.73	1.64	1.67	1.43	1.33	1.42	1.48	1.46	1.49	1.49	1.39	1.48	1.48	1.49	1.51	1.50	1.35	1.37	1.32	1.18	**1.11**	-5.1%	-2.3%	0.7%
Mexico	0.07	0.09	0.11	0.12	0.12	0.13	0.15	0.13	0.14	0.14	0.13	0.12	0.13	0.18	0.17	0.19	0.19	0.20	0.20	0.23	0.17	0.14	0.18	0.25	0.25	0.28	0.31	0.29	0.25	0.31	0.39	0.31	0.30	0.30	0.29	0.25	0.31	0.28	**0.26**	-5.4%	-0.4%	0.2%
US	18.42	18.68	17.29	19.76	19.37	19.55	20.19	20.79	21.41	22.54	21.69	21.74	20.38	22.25	22.18	22.84	23.36	24.10	23.35	22.79	23.60	22.78	22.14	22.90	23.24	23.84	23.55	23.91	21.67	22.09	22.27	20.72	20.05	20.33	17.99	14.70	15.66	15.40	**14.30**	-7.1%	-4.3%	8.5%
Total North America	**19.46**	**19.80**	**18.46**	**21.28**	**20.98**	**21.07**	**21.73**	**22.53**	**23.27**	**24.35**	**23.56**	**23.42**	**22.16**	**24.16**	**24.15**	**24.87**	**25.45**	**26.10**	**25.28**	**24.65**	**25.44**	**24.36**	**23.66**	**24.57**	**24.97**	**25.58**	**25.35**	**25.69**	**23.32**	**23.88**	**24.15**	**22.52**	**21.86**	**22.14**	**19.63**	**16.33**	**17.29**	**16.85**	**15.68**	**-7.0%**	**-4.1%**	**9.4%**
Brazil	0.12	0.13	0.14	0.16	0.16	0.16	0.14	0.15	0.14	0.07	0.08	0.08	0.08	0.09	0.09	0.08	0.09	0.09	0.09	0.11	0.10	0.11	0.10	0.11	0.12	0.12	0.12	0.14	0.13	0.11	0.11	0.12	0.15	0.15	0.12	0.11	0.09	0.10	**0.12**	24.8%	-3.2%	0.1%
Colombia	0.12	0.13	0.15	0.19	0.26	0.31	0.42	0.44	0.55	0.59	0.58	0.63	0.63	0.65	0.74	0.85	0.95	0.97	0.95	1.10	1.27	1.14	1.45	1.56	1.72	1.90	2.01	2.11	2.09	2.14	2.47	2.56	2.46	2.55	2.46	2.60	2.60	2.42	**2.37**	-2.2%	1.4%	1.4%
Venezuela	^	^	^	^	^	^	0.01	0.03	0.06	0.07	0.07	0.08	0.12	0.14	0.13	0.13	0.16	0.20	0.20	0.24	0.24	0.25	0.21	0.25	0.22	0.22	0.21	0.15	0.10	0.08	0.08	0.06	0.04	0.02	0.02	0.01	0.01	0.01	**0.01**	49.1%	-27.5%	•
Other S. & Cent. America	0.05	0.04	0.04	0.05	0.05	0.05	0.06	0.09	0.08	0.09	0.09	0.07	0.06	0.06	0.05	0.05	0.05	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.02	0.07	0.12	0.10	0.08	0.05	0.05	**0.03**	-27.2%	12.0%	•
Total S. & Cent. America	**0.28**	**0.31**	**0.33**	**0.40**	**0.47**	**0.52**	**0.63**	**0.71**	**0.83**	**0.81**	**0.82**	**0.85**	**0.88**	**0.93**	**1.01**	**1.11**	**1.25**	**1.27**	**1.26**	**1.48**	**1.62**	**1.51**	**1.77**	**1.93**	**2.08**	**2.26**	**2.35**	**2.42**	**2.34**	**2.35**	**2.68**	**2.76**	**2.72**	**2.85**	**2.70**	**2.81**	**2.76**	**2.58**	**2.54**	**-1.5%**	**0.6%**	**1.5%**
Bulgaria	0.20	0.22	0.22	0.22	0.21	0.24	0.25	0.23	0.23	0.21	0.20	0.23	0.22	0.21	0.22	0.23	0.21	0.21	0.18	0.18	0.19	0.19	0.19	0.19	0.17	0.18	0.20	0.20	0.19	0.21	0.26	0.23	0.20	0.21	0.25	0.21	0.24	0.22	**0.20**	-7.6%	0.8%	0.1%
Czech Republic	1.79	1.81	1.83	1.86	1.84	1.84	1.82	1.78	1.71	1.52	1.42	1.32	1.29	1.18	1.14	1.15	1.17	1.09	0.97	1.05	1.06	1.02	1.02	0.98	0.99	1.00	1.00	0.95	0.87	0.87	0.88	0.85	0.74	0.71	0.71	0.67	0.64	0.62	**0.57**	-8.2%	-4.3%	0.3%
Germany	6.23	6.26	5.91	5.99	6.22	6.01	5.82	5.77	5.51	5.24	4.44	4.09	3.68	3.39	3.31	3.10	2.97	2.72	2.65	2.54	2.44	2.45	2.42	2.45	2.37	2.23	2.28	2.10	1.94	1.92	1.96	2.00	1.89	1.85	1.79	1.66	1.65	1.58	**1.27**	-20.0%	-2.8%	0.8%
Greece	0.15	0.15	0.17	0.18	0.20	0.21	0.25	0.26	0.30	0.30	0.29	0.29	0.30	0.31	0.31	0.30	0.32	0.34	0.34	0.34	0.35	0.36	0.34	0.36	0.36	0.34	0.35	0.34	0.34	0.31	0.31	0.34	0.28	0.27	0.24	0.17	0.19	0.18	**0.13**	-25.1%	-6.2%	0.1%
Hungary	0.30	0.30	0.29	0.28	0.27	0.26	0.26	0.24	0.23	0.21	0.20	0.18	0.16	0.15	0.15	0.16	0.17	0.15	0.14	0.14	0.13	0.12	0.13	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.05	0.05	**0.06**	18.1%	-2.8%	•
Poland	4.31	5.03	5.12	5.13	5.17	5.26	5.32	5.31	4.91	4.19	4.01	3.90	3.77	3.77	3.86	3.83	3.89	3.36	3.25	3.01	3.02	3.00	2.99	2.90	2.90	2.85	2.62	2.55	2.36	2.32	2.33	2.42	2.39	2.26	2.22	2.18	2.08	1.98	**1.87**	-5.5%	-2.5%	1.1%
Romania	0.39	0.40	0.47	0.46	0.47	0.49	0.53	0.58	0.59	0.35	0.29	0.31	0.32	0.33	0.33	0.34	0.28	0.22	0.19	0.23	0.24	0.26	0.27	0.26	0.24	0.27	0.29	0.29	0.27	0.25	0.28	0.27	0.19	0.19	0.20	0.18	0.19	0.17	**0.16**	-8.4%	-5.2%	0.1%
Serbia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.30	0.31	0.31	0.30	0.33	0.31	0.32	0.24	0.30	0.30	0.30	0.28	**0.29**	3.4%	-1.2%	0.2%
Spain	0.50	0.54	0.55	0.55	0.54	0.55	0.48	0.46	0.49	0.48	0.44	0.44	0.44	0.41	0.41	0.40	0.40	0.39	0.36	0.35	0.33	0.32	0.30	0.29	0.28	0.26	0.25	0.18	0.16	0.14	0.11	0.10	0.07	0.07	0.05	0.03	0.05	0.04	**^**	-97.4%	-14.4%	•
Turkey	0.29	0.31	0.33	0.37	0.45	0.48	0.51	0.46	0.53	0.49	0.46	0.51	0.48	0.51	0.51	0.51	0.55	0.58	0.56	0.52	0.51	0.48	0.45	0.44	0.47	0.55	0.62	0.70	0.73	0.73	0.75	0.71	0.65	0.68	0.54	0.65	0.63	0.69	**0.70**	0.4%	-0.1%	0.4%
Ukraine	n/a	n/a	n/a	n/a	3.90	4.00	3.95	3.93	3.69	3.63	3.09	2.93	2.50	2.06	1.79	1.35	1.41	1.44	1.52	1.52	1.51	1.50	1.46	1.45	1.45	1.48	1.46	1.45	1.35	1.35	1.52	1.64	1.60	1.09	0.72	0.76	0.57	0.59	**0.57**	-2.3%	-8.7%	0.3%
United Kingdom	3.27	3.18	3.04	1.29	2.37	2.75	2.65	2.65	2.55	2.36	2.41	2.16	1.74	1.24	1.37	1.30	1.27	1.08	0.97	0.82	0.84	0.79	0.74	0.65	0.53	0.48	0.45	0.47	0.46	0.48	0.48	0.44	0.33	0.31	0.23	0.11	0.08	0.07	**0.06**	-16.1%	-17.5%	•
Other Europe	1.43	1.51	1.53	1.56	1.85	1.87	1.74	1.59	1.63	1.58	1.40	1.34	1.18	1.06	1.07	1.05	1.10	0.99	0.93	0.91	0.92	0.95	1.03	0.92	0.92	1.00	0.63	0.64	0.65	0.66	0.66	0.59	0.69	0.66	0.60	0.56	0.57	0.82	**0.65**	-21.1%	2.5%	0.4%
Total Europe	**18.86**	**19.72**	**19.47**	**17.89**	**23.49**	**23.94**	**23.58**	**23.27**	**22.36**	**20.55**	**18.65**	**17.69**	**16.07**	**14.61**	**14.47**	**13.73**	**13.73**	**12.58**	**12.06**	**11.62**	**11.53**	**11.43**	**11.35**	**10.99**	**10.75**	**10.72**	**10.51**	**10.27**	**9.71**	**9.60**	**9.94**	**9.96**	**9.43**	**8.60**	**7.90**	**7.55**	**7.25**	**7.28**	**6.52**	**-10.5%**	**-3.4%**	**3.9%**
Kazakhstan	n/a	n/a	n/a	n/a	2.40	2.52	2.60	2.61	2.52	2.39	2.37	2.29	2.02	1.89	1.50	1.39	1.32	1.27	1.06	1.36	1.43	1.33	1.53	1.57	1.56	1.73	1.77	2.01	1.82	1.99	2.08	2.16	2.15	2.05	1.93	1.85	2.02	2.13	**2.08**	-2.4%	0.6%	1.2%
Russian Federation	n/a	n/a	n/a	n/a	7.78	8.05	8.11	8.37	8.05	7.77	7.14	6.85	6.18	5.50	5.22	5.06	4.86	4.56	4.93	5.09	5.38	5.13	5.55	5.74	5.68	5.90	6.01	6.24	5.93	6.32	6.60	7.05	7.25	7.39	7.80	8.12	8.62	9.23	**9.20**	-0.3%	4.0%	5.5%
USSR	14.50	14.62	14.61	14.45	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	0.06	0.07	0.06	0.06	0.07	0.08	0.07	0.06	0.04	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	**0.05**	-2.9%	1.5%	•
Other CIS	n/a	n/a	n/a	n/a	0.12	0.12	0.11	0.12	0.12	0.10	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.07	0.08	0.10	**0.10**	4.7%	10.7%	0.1%
Total CIS	**14.50**	**14.62**	**14.61**	**14.45**	**10.36**	**10.76**	**10.89**	**11.17**	**10.76**	**10.34**	**9.68**	**9.28**	**8.31**	**7.48**	**6.80**	**6.51**	**6.24**	**5.89**	**6.06**	**6.50**	**6.87**	**6.53**	**7.13**	**7.37**	**7.30**	**7.70**	**7.85**	**8.32**	**7.83**	**8.39**	**8.77**	**9.31**	**9.51**	**9.55**	**9.84**	**10.09**	**10.77**	**11.51**	**11.43**	**-0.6%**	**3.3%**	**6.8%**
Total Middle East	**0.02**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.02**	**0.02**	**0.02**	**0.02**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.04**	**0.04**	**0.04**	**0.04**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.04**	**0.04**	**0.03**	**0.03**	**-**	**-3.4%**	**•**
South Africa	3.13	3.47	3.50	3.92	4.18	4.26	4.25	4.36	4.23	4.19	4.28	4.38	4.48	4.65	4.90	4.90	5.22	5.28	5.29	5.30	5.29	5.21	5.64	5.74	5.79	5.79	5.79	5.90	5.85	6.03	6.00	6.14	6.08	6.20	5.96	6.01	5.97	5.99	**6.02**	0.4%	0.2%	3.6%
Zimbabwe	0.08	0.07	0.09	0.08	0.08	0.11	0.13	0.14	0.14	0.15	0.15	0.15	0.14	0.15	0.15	0.14	0.14	0.15	0.13	0.12	0.12	0.11	0.08	0.10	0.09	0.06	0.06	0.04	0.05	0.07	0.07	0.04	0.08	0.16	0.12	0.07	0.08	0.10	**0.06**	-35.0%	9.0%	•
Other Africa	0.06	0.05	0.05	0.05	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.05	0.18	0.21	0.24	0.25	0.32	0.59	0.74	**0.57**	-22.4%	36.9%	0.3%
Total Africa	**3.28**	**3.60**	**3.64**	**4.06**	**4.32**	**4.43**	**4.43**	**4.55**	**4.42**	**4.40**	**4.48**	**4.58**	**4.67**	**4.85**	**5.10**	**5.08**	**5.41**	**5.48**	**5.47**	**5.46**	**5.45**	**5.36**	**5.76**	**5.89**	**5.92**	**5.88**	**5.88**	**5.98**	**5.92**	**6.15**	**6.11**	**6.36**	**6.38**	**6.59**	**6.33**	**6.41**	**6.64**	**6.83**	**6.66**	**-2.6%**	**1.3%**	**4.0%**
Australia	2.84	2.90	3.02	3.17	3.87	4.11	4.30	4.22	4.59	4.80	4.98	5.32	5.34	5.46	5.73	5.91	6.44	6.60	6.95	7.19	7.77	8.01	8.28	8.60	9.00	9.20	9.51	9.79	10.16	10.49	10.26	11.13	11.97	12.81	12.80	12.83	12.50	13.06	**13.15**	0.7%	2.9%	7.8%
China	13.01	13.95	14.96	16.52	18.26	18.71	19.43	20.51	22.07	22.61	22.76	23.37	24.09	25.96	28.49	29.24	29.05	27.88	28.55	29.61	31.37	33.51	39.58	46.35	51.99	55.62	60.26	62.46	64.39	69.72	77.53	78.44	79.32	78.05	76.43	70.82	73.17	76.58	**79.82**	4.2%	2.1%	47.6%
India	2.67	2.64	2.80	2.93	3.03	3.26	3.57	3.80	4.13	4.45	4.76	5.02	5.19	5.28	5.57	5.97	6.17	6.13	6.00	6.38	6.46	6.74	7.04	7.60	7.95	8.29	8.80	9.52	10.30	10.56	10.50	10.68	10.71	11.28	11.77	11.89	11.99	12.80	**12.73**	-0.5%	3.0%	7.6%
Indonesia	0.01	0.01	0.02	0.04	0.05	0.06	0.07	0.11	0.21	0.26	0.34	0.55	0.68	0.81	1.03	1.24	1.35	1.54	1.82	1.90	2.28	2.55	2.82	3.27	3.77	4.78	5.35	5.93	6.32	6.79	8.72	9.52	11.71	11.30	11.39	11.25	11.38	13.76	**15.05**	9.4%	8.8%	9.0%
Japan	0.46	0.46	0.43	0.42	0.40	0.39	0.31	0.27	0.24	0.19	0.19	0.18	0.17	0.16	0.14	0.15	0.10	0.08	0.09	0.07	0.07	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	**0.02**	-27.1%	-1.6%	•
Mongolia	0.08	0.09	0.09	0.10	0.12	0.13	0.15	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.10	0.10	0.09	0.10	0.09	0.10	0.10	0.11	0.11	0.13	0.14	0.15	0.18	0.19	0.28	0.48	0.63	0.59	0.64	0.47	0.46	0.67	0.94	1.04	**1.09**	4.7%	18.4%	0.6%
New Zealand	0.05	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.07	0.06	0.07	0.07	0.08	0.08	0.10	0.10	0.09	0.08	0.09	0.09	0.10	0.12	0.14	0.14	0.14	0.15	0.12	0.13	0.12	0.14	0.13	0.13	0.12	0.10	0.09	0.07	0.07	0.08	**0.08**	-5.8%	-4.3%	•
Pakistan	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.07	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.08	**0.12**	45.9%	0.9%	0.1%
South Korea	0.37	0.37	0.37	0.39	0.42	0.45	0.45	0.45	0.38	0.32	0.28	0.23	0.18	0.14	0.11	0.09	0.09	0.08	0.08	0.08	0.07	0.06	0.06	0.06	0.05	0.05	0.06	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.02	**0.02**	-9.4%	-7.9%	•
Thailand	0.02	0.02	0.02	0.03	0.06	0.06	0.08	0.09	0.11	0.15	0.17	0.19	0.19	0.22	0.23	0.27	0.29	0.25	0.24	0.22	0.24	0.24	0.22	0.23	0.25	0.22	0.21	0.20	0.20	0.21	0.25	0.20	0.20	0.19	0.16	0.18	0.17	0.16	**0.15**	-6.1%	-2.4%	0.1%
Vietnam	0.14	0.15	0.15	0.12	0.13	0.14	0.15	0.14	0.12	0.12	0.12	0.12	0.15	0.14	0.19	0.23	0.27	0.27	0.22	0.27	0.31	0.38	0.45	0.64	0.80	0.91	0.99	0.93	1.03	1.05	1.09	0.98	0.96	0.96	0.97	0.90	0.90	0.98	**1.08**	10.2%	0.6%	0.6%
Other Asia Pacific	1.18	1.24	1.25	1.28	1.33	1.31	1.28	1.25	1.23	1.16	1.13	0.98	0.91	0.84	0.79	0.70	0.69	0.62	0.70	0.76	0.78	0.75	0.78	0.83	0.92	0.94	0.87	0.93	0.81	0.87	0.93	0.96	0.98	0.99	1.06	1.33	1.14	1.39	**1.42**	2.2%	4.1%	0.8%
Total Asia Pacific	**20.86**	**21.92**	**23.19**	**25.10**	**27.77**	**28.74**	**29.89**	**31.11**	**33.36**	**34.32**	**34.99**	**36.20**	**37.15**	**39.24**	**42.54**	**44.06**	**44.68**	**43.70**	**44.91**	**46.73**	**49.62**	**52.57**	**59.56**	**67.94**	**75.10**	**80.43**	**86.45**	**90.24**	**93.74**	**100.44**	**110.16**	**112.76**	**116.71**	**116.29**	**115.24**	**110.08**	**112.41**	**119.98**	**124.72**	**4.0%**	**2.9%**	**74.4%**
Total World	**77.26**	**79.98**	**79.72**	**83.21**	**87.42**	**89.49**	**91.17**	**93.38**	**95.02**	**94.79**	**92.22**	**92.05**	**89.27**	**91.32**	**94.10**	**95.38**	**96.79**	**95.05**	**95.07**	**96.48**	**100.57**	**101.79**	**109.25**	**118.72**	**126.18**	**132.62**	**138.44**	**142.95**	**142.89**	**150.82**	**161.84**	**163.70**	**166.64**	**166.05**	**161.68**	**153.30**	**157.16**	**165.06**	**167.58**	**1.5%**	**1.4%**	**100.0%**
of which: OECD	40.99	42.16	40.54	41.92	43.92	44.59	44.98	45.40	45.72	45.48	43.61	42.92	40.49	41.63	41.96	42.52	43.54	43.11	42.25	41.30	42.60	41.59	41.08	41.98	42.58	43.28	43.14	43.47	41.04	41.85	41.92	41.14	40.95	41.86	38.84	35.19	35.66	35.67	**33.90**	-5.0%	-2.0%	20.2%
Non-OECD	36.27	37.82	39.18	41.29	43.49	44.90	46.19	47.98	49.30	49.31	48.60	49.13	48.79	49.68	52.14	52.86	53.24	51.93	52.82	55.17	57.97	60.19	68.18	76.74	83.60	89.34	95.30	99.48	101.86	108.97	119.92	122.56	125.69	124.19	122.84	118.11	121.50	129.39	**133.68**	3.3%	2.7%	79.8%
European Union #	18.06	18.85	18.52	16.86	18.39	18.70	18.34	18.14	17.38	15.73	14.48	13.66	12.55	11.61	11.72	11.42	11.26	10.00	9.55	9.08	8.98	8.90	8.83	8.50	8.28	8.08	7.82	7.48	7.02	6.93	7.05	7.03	6.58	6.29	6.05	5.55	5.47	5.28	**4.59**	-13.2%	-3.4%	2.7%

* Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and other commercial solid fuels. Includes coal produced for Coal-to-Liquids and Coal-to-Gas transformations.
^ Less than 0.005.
• Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and shares of total are calculated using exajoules figures.

Coal: Consumption*

Contents

Exajoules	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Canada	0.65	0.64	0.63	0.68	0.66	0.71	0.67	0.64	0.65	0.67	0.65	0.77	0.98	0.81	0.76	0.93	0.95	1.00	1.05
Mexico	0.03	0.03	0.04	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.09	0.07	0.09	0.10	0.10	0.10	0.09	0.10	0.12
US	11.61	12.17	11.94	12.36	12.41	12.29	11.63	12.10	13.00	12.69	12.69	13.62	13.95	13.80	15.07	15.46	15.94	15.36	15.93
Total North America	**12.28**	**12.84**	**12.61**	**13.08**	**13.11**	**13.05**	**12.36**	**12.80**	**13.72**	**13.43**	**13.42**	**14.45**	**15.03**	**14.70**	**15.93**	**16.48**	**16.98**	**16.46**	**17.10**
Argentina	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.04	0.04	0.04	0.03
Brazil	0.07	0.08	0.08	0.08	0.09	0.10	0.10	0.11	0.11	0.11	0.13	0.14	0.18	0.21	0.23	0.25	0.24	0.26	0.29
Chile	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.03	0.04
Colombia	0.08	0.08	0.09	0.08	0.09	0.09	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.12
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	0.01	0.01	0.01	^	0.01
Central America	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Other Caribbean	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01
Other South America	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total S. & Cent. America	**0.24**	**0.24**	**0.26**	**0.25**	**0.27**	**0.30**	**0.28**	**0.27**	**0.28**	**0.31**	**0.33**	**0.33**	**0.37**	**0.40**	**0.42**	**0.45**	**0.44**	**0.45**	**0.50**
Austria	0.21	0.20	0.19	0.19	0.19	0.20	0.18	0.17	0.17	0.18	0.15	0.16	0.14	0.14	0.15	0.15	0.16	0.15	0.16
Belgium	0.80	0.73	0.72	0.74	0.72	0.68	0.56	0.54	0.45	0.48	0.36	0.38	0.38	0.39	0.44	0.44	0.45	0.46	0.39
Bulgaria	0.25	0.26	0.28	0.31	0.31	0.34	0.33	0.34	0.34	0.34	0.35	0.33	0.33	0.35	0.36	0.38	0.39	0.41	0.40
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	1.48	1.47	1.43	1.48	1.53	1.55	1.62	1.60	1.56	1.56	1.59	1.62	1.65	1.66	1.66	1.61	1.60	1.62	1.61
Denmark	0.15	0.18	0.15	0.13	0.12	0.10	0.06	0.06	0.09	0.09	0.09	0.12	0.14	0.15	0.18	0.26	0.21	0.25	0.24
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	0.07	0.07	0.07	0.08	0.09	0.10	0.08	0.09	0.10	0.11	0.10	0.13	0.13	0.18	0.17	0.19	0.12	0.13	0.14
France	1.73	1.60	1.58	1.52	1.52	1.45	1.33	1.18	1.17	1.18	1.04	1.22	1.18	1.23	1.33	1.30	1.19	1.22	1.10
Germany	6.73	6.28	6.05	6.14	6.32	6.24	5.97	5.83	5.85	5.88	5.32	5.62	5.40	5.47	5.78	5.92	6.02	5.87	6.09
Greece	0.09	0.09	0.08	0.10	0.09	0.11	0.16	0.17	0.20	0.21	0.27	0.32	0.34	0.30	0.17	0.17	0.16	0.17	0.20
Hungary	0.46	0.44	0.38	0.38	0.38	0.39	0.37	0.36	0.37	0.35	0.33	0.34	0.34	0.34	0.34	0.34	0.34	0.35	0.33
Iceland	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Ireland	0.13	0.15	0.16	0.19	0.18	0.09	0.09	0.08	0.08	0.08	0.07	0.07	0.08	0.07	0.08	0.08	0.08	0.09	0.09
Italy	0.36	0.38	0.41	0.40	0.41	0.41	0.40	0.37	0.38	0.41	0.41	0.41	0.40	0.41	0.45	0.53	0.54	0.60	0.56
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	0.11	0.10	0.10	0.10	0.11	0.11	0.10	0.10	0.10	0.11	0.08	0.08	0.07	0.07	0.08	0.08	0.06	0.06	0.05
Netherlands	0.37	0.34	0.33	0.31	0.26	0.19	0.15	0.12	0.13	0.12	0.10	0.13	0.13	0.15	0.14	0.17	0.19	0.21	0.22
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04
Poland	2.49	2.52	2.57	2.69	2.83	2.94	3.01	3.15	3.16	3.25	3.50	3.66	3.79	3.97	4.02	4.26	3.79	3.93	3.92
Portugal	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02
Romania	0.18	0.20	0.22	0.24	0.28	0.30	0.32	0.33	0.37	0.39	0.41	0.41	0.42	0.47	0.51	0.52	0.54	0.52	0.60
Slovakia	0.25	0.26	0.25	0.26	0.27	0.28	0.29	0.29	0.29	0.28	0.28	0.28	0.29	0.30	0.30	0.34	0.33	0.34	0.34
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	0.41	0.38	0.38	0.39	0.39	0.41	0.41	0.42	0.41	0.40	0.44	0.43	0.46	0.40	0.45	0.52	0.64	0.71	0.75
Sweden	0.09	0.09	0.09	0.08	0.08	0.08	0.07	0.06	0.07	0.08	0.08	0.08	0.06	0.06	0.08	0.07	0.06	0.07	0.09
Switzerland	0.05	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Turkey	0.15	0.17	0.15	0.16	0.18	0.19	0.20	0.21	0.22	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.30	0.34	0.37
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	4.92	4.68	4.37	4.37	4.26	4.02	3.56	3.12	3.38	2.98	2.99	3.05	3.06	2.98	3.20	2.98	2.96	2.76	2.79
Other Europe	0.38	0.37	0.32	0.34	0.33	0.35	0.39	0.38	0.40	0.41	0.44	0.46	0.46	0.51	0.56	0.54	0.62	0.64	0.72
Total Europe	**21.94**	**21.05**	**20.37**	**20.68**	**20.95**	**20.61**	**19.73**	**19.06**	**19.36**	**19.19**	**18.74**	**19.62**	**19.57**	**19.93**	**20.80**	**21.19**	**20.83**	**20.95**	**21.24**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	12.45	12.91	13.11	12.99	13.18	13.07	13.33	13.69	13.85	13.92	14.32	14.30	14.56	14.47	14.58	14.13	14.04	14.26	14.29
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**12.45**	**12.91**	**13.11**	**12.99**	**13.18**	**13.07**	**13.33**	**13.69**	**13.85**	**13.92**	**14.32**	**14.30**	**14.56**	**14.47**	**14.58**	**14.13**	**14.04**	**14.26**	**14.29**
Iran	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.05	0.05	0.05	0.03	0.05	0.05	0.04	0.06	0.05
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.02	0.04
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total Middle East	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.03**	**0.03**	**0.05**	**0.05**	**0.05**	**0.03**	**0.05**	**0.05**	**0.04**	**0.08**	**0.10**
Algeria	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.03	0.03
Egypt	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03
Morocco	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
South Africa	1.03	1.02	1.05	1.10	1.11	1.15	1.22	1.23	1.31	1.38	1.47	1.54	1.60	1.55	1.66	1.79	2.12	2.32	2.36
Eastern Africa	0.08	0.09	0.09	0.09	0.09	0.10	0.11	0.10	0.11	0.10	0.09	0.12	0.10	0.09	0.09	0.10	0.09	0.09	0.10
Middle Africa	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Western Africa	0.02	0.02	0.01	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	^
Other Northern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Other Southern Africa	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total Africa	**1.16**	**1.16**	**1.19**	**1.24**	**1.25**	**1.30**	**1.38**	**1.38**	**1.47**	**1.53**	**1.62**	**1.73**	**1.77**	**1.72**	**1.83**	**1.96**	**2.29**	**2.52**	**2.57**
Australia	0.73	0.75	0.77	0.80	0.83	0.83	0.84	0.87	0.91	0.95	0.98	1.01	1.06	1.09	1.14	1.17	1.20	1.21	1.21
Bangladesh	-	-	-	-	-	-	-	^	0.01	^	0.01	0.01	0.01	0.01	^	0.01	0.01	0.01	^
China	4.79	5.12	4.56	4.52	5.46	6.95	8.01	8.47	8.58	8.49	9.57	9.80	10.78	11.84	12.25	12.74	12.67	13.41	14.36
China Hong Kong SAR	0.01	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.04	0.09
India	1.49	1.48	1.51	1.56	1.66	1.57	1.59	1.68	1.66	1.88	2.02	2.10	2.20	2.13	2.26	2.37	2.67	2.64	2.80
Indonesia	0.01	0.01	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01
Japan	2.04	2.17	2.39	2.46	2.62	2.53	2.30	2.24	2.37	2.51	2.35	2.30	2.17	1.96	2.10	2.44	2.73	2.61	2.57
Malaysia	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01
New Zealand	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05
Pakistan	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04
Philippines	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	^	0.01	0.01	0.01	0.02
Singapore	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
South Korea	0.21	0.23	0.22	0.21	0.22	0.24	0.24	0.24	0.31	0.32	0.34	0.38	0.41	0.41	0.50	0.55	0.64	0.65	0.69
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^
Taiwan	0.12	0.12	0.13	0.13	0.12	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.10	0.11	0.14	0.16	0.15	0.17	0.23
Thailand	^	^	^	0.01	0.01	0.01	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03
Vietnam	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.05	0.06	0.08	0.11	0.10	0.11	0.11	0.11	0.10	0.11	0.12	0.12
Other Asia Pacific	0.45	0.49	0.53	0.58	0.63	0.68	0.76	0.78	0.80	0.83	0.87	0.92	0.98	1.04	1.10	1.17	1.21	1.28	1.33
Total Asia Pacific	**10.01**	**10.55**	**10.28**	**10.43**	**11.70**	**13.07**	**13.99**	**14.53**	**14.88**	**15.25**	**16.41**	**16.80**	**17.91**	**18.79**	**19.70**	**20.82**	**21.51**	**22.26**	**23.57**
Total World	**58.10**	**58.77**	**57.82**	**58.68**	**60.48**	**61.41**	**61.08**	**61.76**	**63.60**	**63.66**	**64.89**	**67.28**	**69.27**	**70.05**	**73.31**	**75.09**	**76.14**	**76.98**	**79.36**
of which: OECD	36.50	36.34	35.65	36.46	36.93	36.38	34.52	34.27	35.67	35.37	34.73	36.64	37.12	36.86	39.12	40.49	40.93	40.42	41.22
Non-OECD	21.60	22.42	22.17	22.23	23.55	25.03	26.55	27.49	27.94	28.29	30.16	30.63	32.15	33.19	34.18	34.59	35.21	36.57	38.15
European Union #	21.32	20.44	19.83	20.11	20.38	20.00	19.09	18.41	18.69	18.48	18.00	18.85	18.80	19.11	19.91	20.30	19.85	19.92	20.09

Exajoules	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Canada	1.17	1.12	1.04	1.12	1.20	1.20	1.14	1.10	1.12	0.99	1.05	1.10	1.13	1.18	1.26	1.21	1.28	1.33	1.34	1.34	1.26	1.26	1.22
Mexico	0.12	0.13	0.14	0.14	0.13	0.14	0.14	0.14	0.14	0.16	0.19	0.21	0.24	0.24	0.25	0.25	0.27	0.30	0.50	0.37	0.38	0.48	0.52
US	17.11	17.52	17.30	18.05	18.89	19.11	19.22	19.04	19.17	19.88	19.96	20.13	21.05	21.49	21.71	21.67	22.63	21.96	21.95	22.37	22.52	22.85	22.50
Total North America	**18.39**	**18.77**	**18.48**	**19.30**	**20.22**	**20.45**	**20.49**	**20.27**	**20.43**	**21.03**	**21.20**	**21.45**	**22.42**	**22.91**	**23.21**	**23.13**	**24.19**	**23.60**	**23.80**	**24.08**	**24.15**	**24.59**	**24.24**
Argentina	0.03	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.02	0.02	0.02	0.03	0.04	0.04
Brazil	0.35	0.42	0.42	0.44	0.45	0.45	0.40	0.46	0.45	0.46	0.47	0.50	0.51	0.51	0.50	0.51	0.54	0.54	0.52	0.54	0.56	0.54	0.54
Chile	0.05	0.05	0.05	0.05	0.07	0.09	0.11	0.09	0.08	0.08	0.09	0.10	0.14	0.18	0.17	0.17	0.13	0.11	0.11	0.10	0.12	0.12	0.14
Colombia	0.12	0.13	0.13	0.16	0.13	0.15	0.07	0.08	0.14	0.15	0.17	0.15	0.12	0.14	0.13	0.11	0.11	0.11	0.09	0.10	0.09	0.06	0.16
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.04	0.04	0.04	0.03
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	0.01	0.01	0.01	0.01	0.01	0.02	0.02	-	^	^	^	^	^	^	^	^	0.01	^	^	^	-	^	0.01
Central America	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Other Caribbean	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.04	0.07	0.08	0.07	0.09
Other South America	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total S. & Cent. America	**0.57**	**0.66**	**0.67**	**0.74**	**0.73**	**0.79**	**0.66**	**0.70**	**0.74**	**0.75**	**0.79**	**0.80**	**0.82**	**0.89**	**0.87**	**0.86**	**0.88**	**0.83**	**0.82**	**0.88**	**0.94**	**0.88**	**1.02**
Austria	0.18	0.18	0.16	0.16	0.15	0.16	0.17	0.18	0.14	0.13	0.13	0.15	0.15	0.15	0.14	0.14	0.15	0.16	0.16	0.17	0.17	0.17	0.17
Belgium	0.45	0.45	0.38	0.38	0.39	0.41	0.45	0.43	0.38	0.36	0.39	0.37	0.35	0.33	0.33	0.29	0.32	0.30	0.26	0.25	0.23	0.22	0.21
Bulgaria	0.40	0.42	0.43	0.43	0.40	0.41	0.35	0.31	0.33	0.35	0.32	0.32	0.32	0.36	0.35	0.29	0.26	0.30	0.28	0.31	0.30	0.29	0.29
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03
Cyprus	-	^	^	0.01	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Czech Republic	1.64	1.60	1.59	1.58	1.59	1.53	1.25	1.14	1.07	1.04	0.98	0.98	0.98	0.92	0.85	0.78	0.89	0.87	0.86	0.87	0.87	0.84	0.87
Denmark	0.25	0.30	0.31	0.30	0.28	0.23	0.26	0.35	0.29	0.30	0.32	0.27	0.37	0.28	0.24	0.20	0.17	0.18	0.18	0.24	0.18	0.16	0.24
Estonia	n/a	0.24	0.25	0.25	0.24	0.25	0.23	0.21	0.18	0.13	0.14	0.13	0.14	0.14	0.12	0.11	0.12	0.12	0.11	0.13	0.14	0.13	0.12
Finland	0.16	0.21	0.19	0.21	0.21	0.21	0.22	0.22	0.20	0.23	0.28	0.25	0.29	0.28	0.23	0.22	0.21	0.25	0.28	0.34	0.31	0.20	0.31
France	1.05	1.02	0.84	0.77	0.75	0.82	0.80	0.85	0.75	0.61	0.60	0.61	0.65	0.57	0.68	0.61	0.59	0.52	0.53	0.57	0.54	0.56	0.52
Germany	6.28	6.25	5.91	5.88	5.81	5.90	5.51	4.84	4.37	4.12	4.00	3.79	3.78	3.66	3.57	3.44	3.57	3.58	3.59	3.65	3.56	3.40	3.54
Greece	0.22	0.25	0.24	0.28	0.31	0.33	0.34	0.32	0.34	0.34	0.34	0.34	0.33	0.35	0.37	0.36	0.38	0.39	0.38	0.38	0.39	0.38	0.35
Hungary	0.32	0.32	0.31	0.31	0.30	0.27	0.26	0.24	0.22	0.20	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.15	0.15	0.15	0.14	0.13	0.13
Iceland	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Ireland	0.09	0.10	0.11	0.15	0.15	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.10	0.11	0.11	0.11	0.11	0.10	0.11	0.10
Italy	0.64	0.63	0.62	0.62	0.58	0.60	0.61	0.58	0.51	0.45	0.47	0.51	0.47	0.47	0.49	0.49	0.52	0.56	0.57	0.62	0.69	0.69	0.70
Latvia	n/a	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	^	^	^	^
Lithuania	n/a	0.03	0.04	0.04	0.04	0.04	0.03	0.04	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	^	^	0.01	0.01	0.01	0.01	0.01
Luxembourg	0.06	0.06	0.05	0.04	0.04	0.05	0.05	0.04	0.04	0.04	0.04	0.02	0.02	0.01	^	^	^	^	^	^	^	^	^
Netherlands	0.27	0.27	0.27	0.29	0.35	0.34	0.37	0.34	0.34	0.34	0.36	0.37	0.36	0.35	0.36	0.31	0.33	0.35	0.35	0.36	0.36	0.34	0.32
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.07	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.06
Norway	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03
Poland	4.09	4.18	4.29	4.44	4.32	4.13	3.28	3.25	3.14	3.11	2.90	2.94	3.01	2.94	2.65	2.54	2.35	2.33	2.28	2.35	2.28	2.31	2.40
Portugal	0.02	0.03	0.06	0.08	0.09	0.10	0.12	0.12	0.13	0.14	0.14	0.18	0.16	0.15	0.15	0.16	0.16	0.13	0.15	0.14	0.14	0.14	0.14
Romania	0.60	0.62	0.63	0.68	0.73	0.73	0.53	0.44	0.43	0.43	0.43	0.44	0.44	0.40	0.34	0.29	0.31	0.32	0.34	0.38	0.38	0.36	0.41
Slovakia	0.36	0.35	0.33	0.34	0.36	0.35	0.33	0.29	0.26	0.26	0.23	0.23	0.22	0.21	0.19	0.19	0.18	0.19	0.18	0.19	0.19	0.18	0.18
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.05	0.06	0.06	0.07	0.06	0.06	0.06	0.06
Spain	0.76	0.75	0.78	0.76	0.66	0.81	0.80	0.84	0.85	0.77	0.79	0.79	0.67	0.77	0.73	0.82	0.88	0.80	0.90	0.84	0.88	0.86	0.75
Sweden	0.10	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.11	0.11	0.11	0.11	0.12	0.13	0.12	0.13	0.12	0.13
Switzerland	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Turkey	0.42	0.50	0.55	0.58	0.56	0.63	0.67	0.72	0.71	0.66	0.66	0.69	0.78	0.87	0.90	0.84	0.94	0.77	0.81	0.87	0.92	0.93	1.10
Ukraine	n/a	3.56	3.53	3.50	3.30	3.01	3.48	3.09	3.04	2.71	2.16	2.14	1.61	1.57	1.61	1.59	1.61	1.57	1.58	1.62	1.54	1.56	1.68
United Kingdom	1.98	2.63	2.84	2.91	2.83	2.72	2.72	2.72	2.56	2.23	2.08	1.99	1.86	1.66	1.62	1.44	1.54	1.63	1.50	1.60	1.53	1.57	1.71
Other Europe	0.79	0.85	0.87	0.84	0.85	0.82	0.66	0.56	0.53	0.48	0.34	0.39	0.41	0.46	0.51	0.42	0.50	0.50	0.53	0.56	0.58	0.53	0.56
Total Europe	**21.21**	**26.06**	**25.84**	**26.05**	**25.51**	**25.20**	**23.97**	**22.58**	**21.27**	**19.87**	**18.73**	**18.53**	**18.00**	**17.51**	**17.03**	**16.09**	**16.56**	**16.41**	**16.40**	**17.05**	**16.77**	**16.37**	**17.14**
Azerbaijan	n/a	^	^	^	^	^	^	^	^	^	^	^	^	^	-	-	-	^	^	^	^	^	^
Belarus	n/a	0.09	0.10	0.10	0.10	0.10	0.09	0.08	0.07	0.06	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Kazakhstan	n/a	1.60	1.68	1.74	1.82	1.74	1.62	1.58	1.59	1.45	1.42	1.14	1.02	0.88	0.86	0.80	0.75	0.93	0.95	1.04	1.11	1.13	1.19
Russian Federation	n/a	8.29	8.52	8.65	8.52	8.24	7.63	6.99	6.57	5.93	5.19	5.00	4.91	4.52	4.24	4.27	4.43	4.32	4.34	4.36	4.18	3.96	4.06
Turkmenistan	n/a	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	-	^	^	^	-	-	-	-	-	-	-	-	-	-
USSR	14.16	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	0.06	0.07	0.06	0.06	0.07	0.08	0.07	0.06	0.04	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.04
Other CIS	n/a	0.22	0.23	0.23	0.20	0.19	0.18	0.16	0.10	0.08	0.08	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03
Total CIS	**14.16**	**10.28**	**10.61**	**10.80**	**10.72**	**10.35**	**9.62**	**8.91**	**8.39**	**7.57**	**6.77**	**6.26**	**6.05**	**5.52**	**5.21**	**5.18**	**5.27**	**5.33**	**5.37**	**5.49**	**5.38**	**5.18**	**5.34**
Iran	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.06
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	0.07	0.08	0.09	0.09	0.09	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.21	0.23	0.24	0.24	0.26	0.30	0.32	0.33	0.33	0.33	0.33
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	-	^
Oman	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	-	^	^	^
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.01	0.01	0.01
Other Middle East	^	^	^	^	^	-	-	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total Middle East	**0.11**	**0.12**	**0.13**	**0.13**	**0.13**	**0.12**	**0.13**	**0.15**	**0.17**	**0.20**	**0.21**	**0.22**	**0.26**	**0.28**	**0.30**	**0.30**	**0.32**	**0.36**	**0.38**	**0.40**	**0.40**	**0.41**	**0.41**
Algeria	0.03	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.04
Egypt	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.04	0.04
Morocco	0.02	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.09	0.08	0.10	0.10	0.11	0.14	0.14	0.14	0.15	0.16	0.16
South Africa	2.54	2.61	2.65	2.69	2.92	2.72	2.82	2.77	2.78	2.79	2.88	2.99	3.03	3.10	3.01	3.14	3.12	3.14	2.98	3.32	3.63	3.35	3.41
Eastern Africa	0.09	0.10	0.11	0.13	0.14	0.13	0.19	0.15	0.16	0.19	0.17	0.17	0.15	0.17	0.16	0.14	0.13	0.14	0.13	0.11	0.13	0.12	0.10
Middle Africa	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	^	^	^	-	^	^	^	^	^	^	^	^	^	^	^
Western Africa	^	^	0.01	0.01	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01
Other Northern Africa	^	^	^	^	^	^	^	^	^	^	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Southern Africa	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Total Africa	**2.75**	**2.83**	**2.90**	**2.98**	**3.20**	**3.01**	**3.16**	**3.07**	**3.09**	**3.14**	**3.22**	**3.32**	**3.36**	**3.45**	**3.37**	**3.48**	**3.47**	**3.51**	**3.36**	**3.66**	**4.03**	**3.74**	**3.79**
Australia	1.28	1.33	1.36	1.42	1.49	1.56	1.60	1.63	1.64	1.65	1.69	1.74	1.81	1.91	1.99	2.11	2.13	2.11	2.16	2.22	2.31	2.30	2.36
Bangladesh	^	^	^	^	0.01	0.01	0.01	^	^	^	^	0.01	0.01	0.01	^	^	0.01	0.01	0.02	0.01	0.01	0.03	0.05
China	15.62	17.05	17.83	19.34	20.78	21.77	22.08	23.16	24.23	25.81	27.51	27.85	29.14	28.55	28.34	29.16	29.56	31.09	34.08	40.62	47.36	55.46	60.91
China Hong Kong SAR	0.11	0.14	0.16	0.21	0.24	0.26	0.23	0.25	0.26	0.30	0.22	0.23	0.17	0.15	0.18	0.16	0.18	0.29	0.22	0.28	0.26	0.29	0.29
India	2.95	3.09	3.32	3.64	3.91	4.25	4.59	4.89	5.18	5.36	5.53	5.87	6.04	6.32	6.53	6.47	6.88	6.94	7.25	7.59	8.08	8.84	9.18
Indonesia	0.01	0.04	0.06	0.09	0.10	0.15	0.14	0.14	0.18	0.21	0.21	0.23	0.27	0.33	0.36	0.49	0.55	0.70	0.72	0.97	0.89	1.02	1.21
Japan	2.87	3.00	2.86	2.91	3.15	3.15	3.27	3.24	3.19	3.25	3.40	3.53	3.62	3.72	3.54	3.73	4.00	4.09	4.35	4.47	4.59	4.81	4.73
Malaysia	0.01	0.01	0.01	0.01	0.01	0.05	0.06	0.07	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.10	0.12	0.15	0.22	0.28	0.29	0.31
New Zealand	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.08	0.09	0.10	0.09
Pakistan	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.10	0.13	0.14	0.16	0.17
Philippines	0.03	0.05	0.04	0.04	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.08	0.10	0.10	0.12	0.17	0.17	0.15	0.16	0.17	0.19	0.21
Singapore	^	^	^	^	^	^	^	^	^	^	^	^	^	-	-	-	-	-	^	^	^	^	^
South Korea	0.83	0.92	0.98	0.99	1.05	1.03	1.01	1.01	0.99	1.08	1.11	1.15	1.34	1.46	1.51	1.60	1.80	1.91	2.06	2.14	2.23	2.29	2.37
Sri Lanka	^	^	^	^	^	^	-	^	^	^	^	^	^	-	^	-	^	^	^	^	^	^	^
Taiwan	0.27	0.28	0.34	0.37	0.43	0.45	0.44	0.49	0.56	0.62	0.65	0.67	0.76	0.87	0.94	1.15	1.15	1.21	1.31	1.42	1.46	1.51	1.58
Thailand	0.03	0.07	0.07	0.09	0.10	0.12	0.16	0.19	0.20	0.23	0.26	0.30	0.37	0.38	0.30	0.32	0.33	0.37	0.39	0.40	0.45	0.49	0.52
Vietnam	0.12	0.12	0.13	0.14	0.14	0.11	0.09	0.09	0.09	0.09	0.10	0.13	0.14	0.19	0.20	0.15	0.20	0.21	0.25	0.29	0.37	0.39	0.24
Other Asia Pacific	1.37	1.44	1.43	1.37	1.39	1.38	1.30	1.28	1.11	1.02	0.94	0.87	0.76	0.74	0.68	0.76	0.82	0.85	0.81	0.83	0.83	0.89	0.91
Total Asia Pacific	**25.61**	**27.63**	**28.69**	**30.76**	**32.96**	**34.44**	**35.18**	**36.62**	**37.89**	**39.88**	**41.87**	**42.86**	**44.74**	**44.94**	**44.90**	**46.44**	**48.02**	**50.23**	**54.07**	**61.83**	**69.52**	**79.04**	**85.11**
Total World	**82.80**	**86.35**	**87.32**	**90.76**	**93.47**	**94.37**	**93.22**	**92.31**	**91.98**	**92.43**	**92.78**	**93.44**	**95.66**	**95.50**	**94.89**	**95.48**	**98.70**	**100.27**	**104.20**	**113.39**	**121.19**	**130.21**	**137.05**
of which: OECD	42.97	44.79	44.23	45.40	46.34	46.65	45.50	44.51	43.37	43.12	43.10	43.36	44.75	45.10	44.86	44.46	46.35	45.81	46.43	47.50	47.70	48.06	48.37
Non-OECD	39.83	41.56	43.09	45.36	47.14	47.72	47.72	47.80	48.61	49.31	49.68	50.08	50.91	50.40	50.03	51.01	52.36	54.46	57.77	65.89	73.50	82.15	88.68
European Union #	19.93	21.09	20.83	21.07	20.75	20.69	19.06	18.12	16.90	15.93	15.46	15.20	15.10	14.50	13.89	13.13	13.39	13.45	13.38	13.89	13.61	13.25	13.71

Exajoules	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	1.27	1.23	0.98	1.04	0.93	0.88	0.87	0.82	0.83	0.78	0.78	0.65	**0.56**	-14.1%	-6.2%	0.4%
Mexico	0.47	0.42	0.43	0.53	0.62	0.54	0.53	0.53	0.53	0.52	0.64	0.57	**0.51**	-10.5%	3.0%	0.3%
US	22.80	22.44	19.74	20.88	19.70	17.42	18.08	18.04	15.58	14.26	13.87	13.28	**11.34**	-14.6%	-5.1%	7.2%
Total North America	**24.54**	**24.09**	**21.15**	**22.45**	**21.25**	**18.84**	**19.48**	**19.39**	**16.95**	**15.56**	**15.28**	**14.50**	**12.41**	**-14.4%**	**-5.0%**	**7.9%**
Argentina	0.05	0.06	0.03	0.05	0.05	0.05	0.05	0.06	0.06	0.04	0.05	0.05	**0.02**	-53.7%	-2.4%	♦
Brazil	0.57	0.58	0.47	0.61	0.65	0.64	0.69	0.73	0.74	0.67	0.70	0.70	**0.66**	-5.8%	1.9%	0.4%
Chile	0.17	0.18	0.17	0.19	0.24	0.28	0.32	0.32	0.31	0.31	0.32	0.31	**0.28**	-8.7%	5.5%	0.2%
Colombia	0.14	0.19	0.17	0.20	0.16	0.20	0.21	0.22	0.21	0.23	0.17	0.16	**0.26**	63.0%	-1.6%	0.2%
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Peru	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.03	**0.02**	-32.6%	-1.8%	♦
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Venezuela	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	**^**	-34.4%	-2.0%	♦
Central America	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.06	0.09	**0.10**	11.5%	15.4%	0.1%
Other Caribbean	0.09	0.08	0.08	0.08	0.09	0.08	0.09	0.10	0.09	0.09	0.08	0.09	**0.14**	55.0%	0.7%	0.1%
Other South America	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.9%	5.9%	♦
Total S. & Cent. America	**1.09**	**1.16**	**0.98**	**1.19**	**1.26**	**1.33**	**1.45**	**1.52**	**1.50**	**1.46**	**1.43**	**1.43**	**1.48**	**3.7%**	**2.1%**	**0.9%**
Austria	0.16	0.16	0.12	0.14	0.15	0.13	0.14	0.13	0.14	0.13	0.13	0.12	**0.13**	5.2%	-2.8%	0.1%
Belgium	0.19	0.19	0.12	0.16	0.15	0.14	0.15	0.14	0.14	0.13	0.13	0.13	**0.13**	-2.1%	-3.8%	0.1%
Bulgaria	0.33	0.32	0.27	0.29	0.34	0.29	0.25	0.27	0.27	0.24	0.26	0.23	**0.21**	-8.7%	-3.2%	0.1%
Croatia	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	**0.02**	18.1%	-6.4%	♦
Cyprus	^	^	^	^	^	^	^	^	^	^	^	^	**^**	22.8%	-4.9%	♦
Czech Republic	0.87	0.82	0.76	0.79	0.77	0.74	0.71	0.69	0.68	0.69	0.65	0.65	**0.60**	-6.9%	-2.4%	0.4%
Denmark	0.19	0.17	0.17	0.16	0.14	0.10	0.14	0.11	0.07	0.09	0.07	0.07	**0.04**	-41.8%	-9.0%	♦
Estonia	0.15	0.14	0.13	0.16	0.17	0.16	0.18	0.18	0.16	0.16	0.18	0.20	**0.14**	-29.3%	3.5%	0.1%
Finland	0.29	0.22	0.22	0.28	0.23	0.19	0.21	0.19	0.16	0.18	0.17	0.18	**0.15**	-16.6%	-2.4%	0.1%
France	0.54	0.51	0.45	0.48	0.41	0.46	0.48	0.36	0.35	0.34	0.39	0.35	**0.27**	-23.2%	-3.6%	0.2%
Germany	3.63	3.35	3.00	3.23	3.28	3.37	3.47	3.33	3.29	3.20	3.01	2.90	**2.30**	-20.7%	-1.4%	1.5%
Greece	0.37	0.35	0.35	0.33	0.33	0.34	0.29	0.28	0.24	0.18	0.20	0.19	**0.14**	-27.6%	-5.8%	0.1%
Hungary	0.13	0.13	0.11	0.11	0.11	0.11	0.10	0.09	0.10	0.09	0.09	0.09	**0.08**	-11.3%	-3.5%	♦
Iceland	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	1.8%	♦
Ireland	0.10	0.10	0.08	0.08	0.08	0.09	0.09	0.08	0.09	0.09	0.08	0.06	**0.04**	-32.0%	-4.7%	♦
Italy	0.68	0.66	0.52	0.57	0.64	0.66	0.57	0.55	0.52	0.46	0.40	0.37	**0.30**	-19.3%	-5.7%	0.2%
Latvia	^	^	^	^	^	^	^	^	^	^	^	^	**^**	52.1%	-7.6%	♦
Lithuania	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	-3.6%	♦	♦
Luxembourg	^	^	^	^	^	^	^	^	^	^	^	^	**^**	32.6%	-5.6%	♦
Netherlands	0.35	0.33	0.31	0.32	0.31	0.34	0.34	0.38	0.46	0.43	0.38	0.34	**0.27**	-22.5%	0.3%	0.2%
North Macedonia	0.06	0.06	0.06	0.05	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	**0.04**	22.0%	-5.3%	♦
Norway	0.03	0.03	0.02	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.03	**0.03**	0.6%	1.3%	♦
Poland	2.34	2.31	2.17	2.31	2.30	2.14	2.23	2.07	2.04	2.07	2.08	2.08	**1.91**	-8.4%	-1.0%	1.2%
Portugal	0.12	0.11	0.12	0.07	0.09	0.12	0.11	0.11	0.14	0.12	0.14	0.11	**0.06**	-49.4%	0.8%	♦
Romania	0.41	0.40	0.32	0.29	0.34	0.32	0.25	0.24	0.25	0.22	0.23	0.21	**0.19**	-10.7%	-5.9%	0.1%
Slovakia	0.17	0.16	0.16	0.16	0.15	0.14	0.14	0.14	0.14	0.13	0.14	0.14	**0.11**	-17.8%	-1.7%	0.1%
Slovenia	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.04	0.05	0.05	0.05	**0.04**	-6.8%	-3.1%	♦
Spain	0.84	0.57	0.39	0.29	0.54	0.65	0.48	0.49	0.57	0.44	0.56	0.46	**0.21**	-54.6%	-2.0%	0.1%
Sweden	0.12	0.12	0.08	0.12	0.10	0.09	0.09	0.08	0.08	0.08	0.08	0.08	**0.08**	2.2%	-3.5%	0.1%
Switzerland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	^	^	**^**	-	-4.2%	♦
Turkey	1.23	1.24	1.29	1.32	1.42	1.53	1.32	1.51	1.45	1.61	1.65	1.71	**1.70**	-0.8%	3.3%	1.1%
Ukraine	1.79	1.75	1.50	1.60	1.74	1.79	1.73	1.49	1.14	1.36	1.08	1.15	**1.10**	-4.5%	-4.1%	0.7%
United Kingdom	1.61	1.49	1.25	1.29	1.32	1.63	1.55	1.25	0.97	0.46	0.38	0.32	**0.26**	-17.4%	-14.3%	0.2%
Other Europe	0.53	0.57	0.58	0.58	0.66	0.59	0.61	0.50	0.58	0.60	0.59	0.60	**0.77**	26.6%	0.6%	0.5%
Total Europe	**17.36**	**16.38**	**14.67**	**15.34**	**15.99**	**16.34**	**15.81**	**14.84**	**14.20**	**13.68**	**13.23**	**12.92**	**11.35**	**-12.1%**	**-2.3%**	**7.2%**
Azerbaijan	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	-10.4%	♦
Belarus	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	**0.04**	6.7%	3.2%	♦
Kazakhstan	1.30	1.41	1.30	1.40	1.52	1.58	1.57	1.55	1.43	1.42	1.52	1.70	**1.67**	-1.9%	1.9%	1.1%
Russian Federation	3.93	4.22	3.86	3.79	3.94	4.12	3.79	3.67	3.86	3.74	3.51	3.63	**3.63**	♦	-1.5%	2.3%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	0.04	0.04	0.04	0.04	0.05	0.05	0.07	0.06	0.06	0.05	0.06	0.09	**0.07**	-14.5%	7.2%	♦
Other CIS	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.07	0.08	0.07	0.08	0.09	**0.12**	33.7%	7.5%	0.1%
Total CIS	**5.34**	**5.74**	**5.26**	**5.30**	**5.58**	**5.84**	**5.52**	**5.38**	**5.46**	**5.32**	**5.22**	**5.54**	**5.53**	**-0.2%**	**-0.4%**	**3.5%**
Iran	0.07	0.05	0.06	0.05	0.06	0.05	0.06	0.07	0.07	0.06	0.07	0.06	**0.05**	-6.7%	1.2%	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Israel	0.34	0.33	0.32	0.32	0.33	0.37	0.30	0.28	0.27	0.23	0.21	0.20	**0.21**	6.2%	-5.0%	0.1%
Kuwait	^	^	-	^	^	-	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	-5.3%	76.0%	♦
Oman	^	^	^	^	^	^	^	^	^	^	^	^	**0.01**	120.7%	51.1%	♦
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Saudi Arabia	^	^	^	^	^	^	^	0.01	0.01	^	^	^	**^**	-	4.8%	♦
United Arab Emirates	0.01	0.01	0.01	0.03	0.02	0.06	0.07	0.08	0.07	0.08	0.09	0.10	**0.10**	2.2%	21.5%	0.1%
Other Middle East	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	**0.02**	-	8.9%	♦
Total Middle East	**0.42**	**0.40**	**0.40**	**0.42**	**0.43**	**0.50**	**0.47**	**0.47**	**0.44**	**0.40**	**0.40**	**0.39**	**0.40**	**3.6%**	**-0.5%**	**0.3%**
Algeria	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	^	0.01	0.02	**0.02**	-	-4.1%	♦
Egypt	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.05	0.09	**0.08**	-7.8%	11.9%	0.1%
Morocco	0.14	0.15	0.11	0.12	0.12	0.13	0.13	0.17	0.19	0.18	0.19	0.22	**0.28**	29.4%	3.5%	0.2%
South Africa	3.50	3.91	3.93	3.89	3.79	3.70	3.70	3.75	3.52	3.78	3.72	3.76	**3.81**	1.4%	-0.4%	2.4%
Eastern Africa	0.10	0.07	0.08	0.12	0.13	0.10	0.16	0.25	0.20	0.16	0.19	0.21	**0.18**	-14.5%	11.2%	0.1%
Middle Africa	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	-10.0%	♦
Western Africa	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.04	0.04	0.04	**0.04**	-8.7%	17.6%	♦
Other Northern Africa	-	-	-	-	^	^	-	-	-	-	-	-	**-**	n/a	n/a	-
Other Southern Africa	0.04	0.04	0.05	0.03	0.03	0.05	0.05	0.06	0.06	0.06	0.07	0.06	**0.05**	-13.1%	4.1%	♦
Total Africa	**3.85**	**4.25**	**4.23**	**4.19**	**4.12**	**4.02**	**4.07**	**4.26**	**4.03**	**4.27**	**4.26**	**4.41**	**4.47**	**1.5%**	**0.4%**	**2.8%**
Australia	2.34	2.44	2.36	2.19	2.13	2.00	1.89	1.88	1.95	1.94	1.88	1.84	**1.78**	-3.3%	-2.8%	1.1%
Bangladesh	0.04	0.04	0.05	0.03	0.05	0.04	0.05	0.03	0.11	0.08	0.09	0.10	**0.14**	41.0%	10.1%	0.1%
China	66.33	67.38	70.58	73.22	79.71	80.71	82.44	81.83	80.13	79.09	79.28	79.83	**81.67**	2.3%	1.7%	51.7%
China Hong Kong SAR	0.31	0.29	0.30	0.26	0.31	0.31	0.33	0.34	0.28	0.28	0.26	0.26	**0.26**	-1.6%	-0.9%	0.2%
India	10.05	10.86	11.76	12.16	12.75	13.82	14.77	16.23	16.55	16.86	17.46	18.56	**18.62**	0.3%	5.5%	11.8%
Indonesia	1.52	1.32	1.39	1.65	1.96	2.22	2.39	1.89	2.14	2.23	2.39	2.84	**3.41**	20.0%	8.0%	2.2%
Japan	4.96	5.09	4.27	4.87	4.62	4.88	5.07	4.99	5.03	5.02	5.10	4.99	**4.91**	-1.7%	-0.2%	3.1%
Malaysia	0.37	0.41	0.44	0.62	0.62	0.66	0.63	0.64	0.73	0.78	0.87	0.93	**0.90**	-3.2%	8.5%	0.6%
New Zealand	0.07	0.09	0.07	0.06	0.06	0.07	0.06	0.06	0.06	0.05	0.05	0.05	**0.06**	14.2%	-4.7%	♦
Pakistan	0.23	0.25	0.21	0.19	0.17	0.17	0.13	0.20	0.19	0.22	0.30	0.50	**0.55**	11.2%	7.0%	0.3%
Philippines	0.23	0.27	0.25	0.29	0.32	0.34	0.42	0.45	0.49	0.55	0.65	0.68	**0.73**	6.6%	9.9%	0.5%
Singapore	^	^	^	^	^	^	0.01	0.02	0.02	0.02	0.04	0.02	**0.03**	30.8%	58.1%	♦
South Korea	2.50	2.77	2.87	3.23	3.50	3.38	3.41	3.53	3.58	3.41	3.61	3.63	**3.44**	-5.3%	2.7%	2.2%
Sri Lanka	^	^	^	^	0.01	0.02	0.02	0.04	0.05	0.05	0.06	0.06	**0.06**	10.3%	37.2%	♦
Taiwan	1.64	1.57	1.51	1.60	1.67	1.65	1.69	1.71	1.64	1.67	1.70	1.70	**1.63**	-4.0%	0.8%	1.0%
Thailand	0.58	0.63	0.63	0.65	0.66	0.69	0.68	0.75	0.73	0.75	0.75	0.80	**0.71**	-10.9%	2.5%	0.5%
Vietnam	0.26	0.50	0.47	0.61	0.73	0.67	0.72	0.87	1.10	1.19	1.19	1.59	**2.07**	30.2%	12.3%	1.3%
Other Asia Pacific	0.78	0.86	0.69	0.67	0.56	0.58	0.45	0.51	0.49	0.60	0.61	1.23	**1.25**	1.2%	3.7%	0.8%
Total Asia Pacific	**92.20**	**94.75**	**97.84**	**102.31**	**109.83**	**112.20**	**115.18**	**115.96**	**115.27**	**114.81**	**116.28**	**119.62**	**122.22**	**2.2%**	**2.4%**	**77.4%**
Total World	**144.80**	**146.77**	**144.53**	**151.19**	**158.46**	**159.07**	**161.98**	**161.84**	**157.84**	**155.50**	**156.09**	**158.79**	**157.86**	**-0.6%**	**0.8%**	**100.0%**
of which: OECD	49.13	48.25	43.14	45.79	44.95	43.08	43.43	42.72	40.02	37.73	37.47	36.19	**32.10**	-11.3%	-2.8%	20.3%
Non-OECD	95.67	98.52	101.39	105.40	113.51	115.98	118.55	119.12	117.82	117.77	118.62	122.61	**125.75**	2.6%	2.2%	79.7%
European Union #	13.71	12.72	11.21	11.74	12.07	12.34	12.05	11.25	10.94	10.04	9.82	9.37	**7.69**	-17.8%	-3.0%	4.9%

* Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and other commercial solid fuels.
Excludes coal converted to liquid or gaseous fuels, but includes coal consumed in transformation processes.
^ Less than 0.005.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Differences between these consumption figures and the world production statistics are accounted for by stock changes, and unadvoidable disparities in the definition, measurement or conversion of coal supply and demand data.
Annual changes and share of total are calculated using exajoules figures.

Coal: Prices

US dollars per tonne	Northwest Europe marker price †	US Central Appalachian coal spot price index ‡	Japan steam spot CIF price †	China Qinhuangdao spot price*	Japan coking coal import CIF price
1987	31.30	-	-	-	53.44
1988	39.94	-	-	-	55.06
1989	42.08	-	-	-	58.68
1990	43.48	31.59	-	-	60.54
1991	42.80	29.01	-	-	60.45
1992	38.53	28.53	-	-	57.82
1993	33.68	29.85	-	-	55.26
1994	37.18	31.72	-	-	51.77
1995	44.50	27.01	-	-	54.47
1996	41.25	29.86	-	-	56.68
1997	38.92	29.76	-	-	55.51
1998	32.00	31.00	-	-	50.76
1999	28.79	31.29	-	-	42.83
2000	35.99	29.90	-	27.52	39.69
2001	39.03	50.15	37.69	31.78	41.33
2002	31.65	33.20	31.47	33.19	42.01
2003	43.60	38.52	39.61	31.74	41.57
2004	72.13	64.90	74.22	42.76	60.96
2005	60.54	70.12	64.62	51.34	89.33
2006	64.11	57.82	65.22	53.53	93.46
2007	88.79	49.73	95.59	61.23	88.24
2008	147.67	117.42	157.88	104.97	179.03
2009	70.39	60.73	83.59	87.86	167.82
2010	92.35	67.87	108.47	110.08	158.95
2011	121.48	84.75	126.13	127.27	229.12
2012	92.50	67.28	100.30	111.89	191.46
2013	81.69	69.72	90.07	95.42	140.45
2014	75.38	67.08	76.13	84.12	114.41
2015	56.79	51.57	60.10	67.53	93.85
2016	59.87	51.45	71.66	71.35	89.40
2017	84.51	63.83	95.57	94.72	150.00
2018	91.83	72.84	112.73	99.45	158.49
2019	60.86	57.16	77.63	85.89	148.52

† Source: IHS Northwest Europe prices for 1987-2000 are the average of the monthly marker, 2001-2019 the average of weekly prices. IHS
The Asian prices are the average of the monthly marker.
Chinese prices are the average monthly price for 2000-2005, weekly prices 2006-2019, 5,500 kilocalories per kilogram NAR, including cost
‡ Source: S&P Global Platts ©2020, S&P Global Inc. Prices are for CAPP 12,500 Btu, 1.2 SO2 coal, fob. Prices for 1990-2000 are by coal
Note: CAPP = Central Appalachian; CIF = cost+insurance+freight (average prices); FOB = free on board.

Contents

Japan steam coal import CIF price	Asian marker price †
41.28	-
42.47	-
48.86	-
50.81	-
50.30	-
48.45	-
45.71	-
43.66	-
47.58	-
49.54	-
45.53	-
40.51	29.48
35.74	27.82
34.58	31.76
37.96	36.89
36.90	30.41
34.74	36.53
51.34	72.42
62.91	61.84
63.04	56.47
69.86	84.57
122.81	148.06
110.11	78.81
105.19	105.43
136.21	125.74
133.61	105.50
111.16	90.90
97.65	77.89
79.47	63.52
72.97	71.12
99.16	99.42
117.39	111.69
108.58	80.81

Japan prices basis = 6,000 kilocalories per kilogram NAR CIF.

and freight (CFR).

ɔrice publication date, 2001-2005 by coal price assessment date. 2006-2019 weekly CAPP 12,500 BTU, 1.6 SO2 coal, fob.

Coal: Trade movements

Exajoules	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Imports										
Canada	0.57	0.56	0.51	0.63	0.53	0.61	0.61	0.56	0.67	0.36
Mexico	0.09	0.11	0.17	0.21	0.12	0.21	0.22	0.16	0.13	0.18
US	0.42	0.56	0.51	0.70	0.85	0.84	1.00	0.96	0.93	0.57
S. & Cent. America	1.40	0.51	0.51	0.60	0.65	0.62	0.63	0.71	0.99	0.67
Europe	4.51	4.74	4.68	5.46	5.70	5.95	6.26	6.77	6.20	5.01
CIS	0.56	0.60	0.46	0.55	0.50	0.50	0.56	0.52	0.68	0.52
Middle East	0.34	0.48	0.34	0.34	0.43	0.33	0.26	0.35	0.53	0.40
Africa	0.24	0.32	0.30	2.13	0.28	0.37	0.34	0.40	0.34	0.27
China	0.06	0.07	0.28	0.29	0.49	0.67	0.96	1.28	1.04	3.28
India	0.54	0.50	0.53	0.54	0.55	0.94	1.00	1.28	1.41	1.80
Japan	3.94	4.19	4.26	4.49	4.84	4.83	4.70	4.94	5.03	4.22
South Korea	1.71	1.79	1.87	1.91	2.10	2.03	2.10	2.33	2.64	2.69
Other Asia Pacific	1.70	1.90	2.33	2.10	1.42	2.59	2.80	3.01	2.98	2.79
Total World	**16.08**	**16.33**	**16.73**	**19.95**	**18.46**	**20.49**	**21.45**	**23.27**	**23.60**	**22.75**
Exports										
Canada	0.79	0.73	0.67	0.64	0.67	0.66	0.67	0.78	0.78	0.72
US	1.60	1.39	1.04	1.15	1.31	1.32	1.27	1.38	2.08	1.46
Colombia	0.87	0.97	0.92	1.23	1.28	1.50	1.61	1.73	1.98	1.63
Europe	0.04	0.08	0.10	1.62	0.26	0.12	0.08	0.14	0.25	0.23
Russia	1.12	1.29	1.32	1.73	2.14	2.37	2.43	2.84	2.36	2.45
Other CIS	0.50	0.57	0.44	0.52	0.46	0.46	0.55	0.50	0.65	0.50
South Africa	1.77	1.73	1.75	1.79	1.53	1.80	1.75	1.90	1.76	1.93
Other Africa	0.03	0.02	0.02	0.12	0.03	0.03	0.03	0.06	0.03	0.03
Australia	4.75	4.93	5.20	5.41	5.22	5.97	6.02	6.37	6.54	6.99
China	1.89	2.45	2.72	2.79	2.09	2.18	2.00	1.81	1.57	0.59
Indonesia	2.30	1.71	2.04	2.13	2.75	3.25	4.00	4.50	4.62	5.07
Mongolia	^	^	^	0.01	0.04	0.07	0.07	0.09	0.12	0.17
Other Asia Pacific	0.12	0.14	0.20	0.25	0.35	0.48	0.70	0.86	0.66	0.82
Rest of World	0.31	0.33	0.31	0.55	0.32	0.29	0.28	0.30	0.21	0.15
Total World	**16.08**	**16.33**	**16.73**	**19.95**	**18.46**	**20.49**	**21.45**	**23.27**	**23.60**	**22.75**

Notes: Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and Intra-area movements (for example between countries in Europe) are excluded

Contents

										Growth rate per annum	
2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	2019	2008-18
0.36	0.24	0.23	0.22	0.26	0.22	0.19	0.22	0.23	**0.21**	-11.7%	-10.0%
0.22	0.21	0.22	0.20	0.22	0.23	0.21	0.34	0.34	**0.24**	-27.9%	9.9%
0.51	0.36	0.27	0.24	0.28	0.28	0.25	0.19	0.15	**0.17**	11.5%	-16.7%
0.85	0.99	0.88	1.06	1.06	1.00	1.06	1.21	1.19	**1.12**	-6.2%	1.8%
4.82	5.64	6.09	5.85	6.09	6.03	5.40	5.86	6.44	**5.25**	-18.4%	0.4%
0.37	0.59	0.53	0.56	0.56	0.53	0.48	0.56	0.61	**0.65**	7.9%	-1.2%
0.35	0.43	0.49	0.44	0.49	0.38	0.34	0.35	0.35	**0.32**	-7.1%	-4.2%
0.32	0.35	0.31	0.83	0.39	0.47	0.51	0.60	0.73	**0.64**	-12.0%	7.8%
4.45	5.20	6.71	7.63	6.62	4.69	5.65	5.87	6.13	**6.40**	4.3%	19.4%
2.00	2.37	3.09	3.66	4.65	4.92	6.46	5.15	5.28	**5.69**	7.9%	14.1%
4.84	4.61	4.87	5.06	5.00	5.05	5.01	5.06	5.01	**4.90**	-2.2%	♦
3.11	3.38	3.30	3.32	3.43	3.54	3.53	3.89	3.92	**3.73**	-4.7%	4.0%
3.18	3.29	3.65	3.61	2.73	3.96	4.60	5.00	5.37	**5.96**	10.9%	6.0%
25.39	**27.66**	**30.62**	**32.66**	**31.78**	**31.29**	**33.70**	**34.29**	**35.74**	**35.28**	**-1.3%**	**4.2%**
0.92	1.03	0.99	1.13	1.00	0.86	0.78	0.94	1.04	**1.03**	-0.3%	2.9%
2.02	2.51	3.02	2.89	2.38	1.90	1.53	2.40	2.89	**2.39**	-17.5%	3.4%
1.78	2.02	2.25	2.05	2.27	2.19	2.33	2.48	2.43	**2.10**	-13.5%	2.1%
0.12	0.16	0.20	0.68	0.13	0.10	0.13	0.19	0.25	**0.23**	-8.3%	0.1%
2.50	2.86	3.23	3.55	3.78	4.11	4.47	5.09	5.78	**5.87**	1.5%	9.4%
0.35	0.58	0.50	0.51	0.51	0.48	0.45	0.47	0.51	**0.54**	5.9%	-2.3%
1.98	2.04	2.22	2.10	2.18	2.30	2.16	2.52	2.33	**2.20**	-5.8%	2.9%
0.11	0.04	0.13	0.12	0.19	0.28	2.02	0.65	0.22	**0.28**	27.7%	21.5%
7.46	7.04	7.96	9.19	9.12	9.95	9.87	9.70	9.78	**9.69**	-0.9%	4.1%
0.59	0.44	0.28	0.28	0.36	0.45	0.51	0.42	0.42	**0.34**	-18.0%	-12.3%
6.20	7.18	8.16	8.57	8.42	7.48	7.73	8.08	8.56	**9.18**	7.2%	6.4%
0.48	0.58	0.63	0.49	0.53	0.41	0.73	0.95	0.99	**1.02**	3.2%	24.0%
0.76	1.01	0.90	0.92	0.77	0.65	0.77	0.30	0.39	**0.29**	-26.3%	-5.0%
0.13	0.16	0.15	0.19	0.14	0.14	0.22	0.12	0.15	**0.13**	-13.9%	-3.6%
25.39	**27.66**	**30.62**	**32.66**	**31.78**	**31.29**	**33.70**	**34.29**	**35.74**	**35.28**	**-1.3%**	**4.2%**

other commercial solid fuels.

Contents

Share
2019
0.6%
0.7%
0.5%
3.2%
14.9%
1.9%
0.9%
1.8%
18.1%
16.1%
13.9%
10.6%
16.9%
100.0%
2.9%
6.8%
5.9%
0.7%
16.6%
1.5%
6.2%
0.8%
27.5%
1.0%
26.0%
2.9%
0.8%
0.4%
100.0%

Coal: Inter-area movements 2019

Exajoules	Canada	Mexico	US	S. & Cent. America	Europe	CIS	Middle East
From							
Canada	-	†	0.02	0.03	0.11	-	†
US	0.15	0.07	-	0.28	0.85	†	†
Colombia	0.05	0.13	0.12	0.54	0.84	†	0.13
Europe	†	†	†	†	-	0.08	†
Russia	†	0.04	†	0.07	2.41	0.17	0.10
Other CIS	-	-	-	-	0.13	0.41	†
South Africa	-	-	†	0.02	0.09	-	0.07
Other Africa	-	-	†	0.01	0.07	-	†
Australia	-	†	-	0.15	0.65	-	†
China	†	†	†	0.01	0.02	†	0.01
Indonesia	-	-	0.02	†	0.07	-	0.01
Mongolia	-	-	-	-	-	†	-
Other Asia Pacific	†	†	†	†	0.02	†	†
Rest of World	†	†	†	†	0.02	†	†
Total imports	**0.21**	**0.24**	**0.17**	**1.12**	**5.25**	**0.65**	**0.32**

† Less than 0.05.

Notes: Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, a

Contents

To

Africa	China	India	Japan	South Korea	Other Asia Pacific	**Total**
†	0.10	0.08	0.26	0.33	0.11	**1.03**
0.23	0.03	0.32	0.36	0.10	†	**2.39**
0.01	0.05	0.03	0.03	0.14	0.03	**2.10**
0.03	†	0.08	†	0.01	0.01	**0.23**
0.14	0.82	0.22	0.54	0.78	0.58	**5.87**
-	0.01	†	†	-	†	**0.54**
0.15	†	1.20	0.01	0.11	0.54	**2.20**
0.02	†	0.12	0.03	0.03	†	**0.28**
0.05	2.06	0.83	2.88	1.36	1.71	**9.69**
0.01	-	0.03	0.07	0.06	0.14	**0.34**
†	2.19	2.61	0.70	0.80	2.78	**9.18**
-	1.02	-	-	†	-	**1.02**
†	0.13	0.13	0.02	0.02	0.04	**0.35**
†	†	0.04	†	†	†	**0.07**
0.64	**6.40**	**5.69**	**4.90**	**3.73**	**5.96**	**35.28**

and other commercial solid fuels. Intra-area movements (for example, between countries in Europe) are excluded.

Nuclear: Generation*

Contents

Terawatt-hours	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Canada	0.1	0.2	0.2	0.9	0.5	1.0	4.3	7.2	15.3	14.7	12.6	17.4	26.3	31.2	35.3	38.0	40.1	38.3
Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
US	3.8	5.8	8.1	13.2	14.7	23.0	40.1	56.9	87.9	120.0	181.6	201.2	264.1	291.0	268.6	264.3	287.0	297.7
Total North America	**4.0**	**6.0**	**8.2**	**14.1**	**15.2**	**24.0**	**44.4**	**64.1**	**103.1**	**134.7**	**194.2**	**218.6**	**290.4**	**322.2**	**303.9**	**302.4**	**327.1**	**336.0**
Argentina	-	-	-	-	-	-	-	-	-	1.0	2.5	2.6	1.6	2.9	2.7	2.3	2.8	1.9
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central America	-	-	-	-	0.1	^	^	0.1	^	^	^	^	-	-	-	-	-	-
Other Caribbean	-	^	^	^	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other South America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total S. & Cent. America	**-**	**^**	**^**	**^**	**0.1**	**^**	**^**	**0.1**	**^**	**1.1**	**2.5**	**2.6**	**1.6**	**2.9**	**2.7**	**2.3**	**2.8**	**1.9**
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	^	0.1	0.1	^	0.1	-	^	0.1	0.1	6.8	10.0	11.9	12.5	11.4	12.5	12.9	15.7
Bulgaria	-	-	-	-	-	-	-	-	-	0.9	2.6	5.0	5.9	5.9	6.2	6.2	9.1	10.7
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	-	-	-	-	-	-	-	-	-	-	-	-	2.6	3.2	6.7	7.0	14.6	16.7
France	0.9	1.4	2.1	3.1	3.6	5.7	9.3	14.6	14.8	14.7	18.2	15.8	17.9	30.5	40.0	61.3	105.3	108.9
Germany	0.1	0.3	1.2	1.8	4.9	6.5	6.2	9.5	12.1	14.5	24.1	29.5	41.3	43.9	52.1	55.6	65.5	74.4
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	3.5	3.9	3.2	2.6	1.7	3.2	3.4	3.6	3.1	3.4	3.8	3.8	3.4	4.4	2.6	2.2	2.7	6.8
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	^	0.3	0.4	0.4	0.3	1.1	3.3	3.3	3.9	3.7	4.1	3.5	4.2	3.7	3.9
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slovakia	-	-	-	-	-	-	-	^	0.2	0.5	0.2	0.4	0.1	^	2.1	4.5	5.1	5.8
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	-	-	-	0.1	0.8	0.9	2.5	4.8	6.5	7.2	7.5	7.6	6.5	7.6	6.7	5.2	9.6	8.8
Sweden	^	^	^	^	0.1	0.1	0.1	1.5	2.1	2.1	12.0	16.0	19.9	23.8	21.0	26.5	37.7	39.0
Switzerland	-	-	-	-	0.5	1.8	1.4	3.8	6.3	7.1	7.8	7.9	8.1	8.4	11.8	14.3	15.3	15.1
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	15.1	20.2	23.3	26.2	29.1	26.0	27.5	29.4	28.0	33.6	30.3	36.2	40.0	37.2	38.3	37.0	38.0	44.0
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	2.5
Total Europe	**19.7**	**25.8**	**29.9**	**33.8**	**41.1**	**44.6**	**50.9**	**67.5**	**74.4**	**87.4**	**116.7**	**136.1**	**161.4**	**181.5**	**202.4**	**236.5**	**319.7**	**352.4**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	1.9	2.1	2.3	3.1	3.6	4.4	5.4	9.8	14.3	21.5	28.6	38.2	51.0	52.5	59.6	73.9	87.1	100.3
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**1.9**	**2.1**	**2.3**	**3.1**	**3.6**	**4.4**	**5.4**	**9.8**	**14.3**	**21.5**	**28.6**	**38.2**	**51.0**	**52.5**	**59.6**	**73.9**	**87.1**	**100.3**
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Western Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	0.7	1.3	1.0	0.9	2.0	1.8	2.1	2.7	1.9	2.3	2.3	2.4	2.5	2.2
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	^	0.6	0.6	1.0	1.1	4.6	8.0	9.5	9.7	19.7	25.1	34.1	31.7	59.3	70.4	82.6	87.8	102.4
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-	^	0.2	0.4	0.5	0.6	0.5	0.3	0.2	0.1	0.1	0.2	0.2
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	0.1	2.3	3.2	3.5	2.9	3.8
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	0.1	2.7	6.3	8.2	10.7	13.1
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Asia Pacific	**^**	**0.6**	**0.6**	**1.0**	**1.8**	**5.9**	**9.0**	**10.6**	**12.0**	**22.0**	**27.9**	**37.3**	**34.0**	**66.7**	**82.3**	**96.8**	**104.0**	**121.7**
Total World	**25.5**	**34.4**	**41.0**	**52.1**	**61.8**	**78.9**	**109.7**	**152.2**	**203.9**	**266.6**	**369.8**	**432.7**	**538.5**	**625.8**	**650.9**	**711.9**	**840.8**	**912.2**
of which: OECD	23.7	32.4	38.7	49.0	57.4	73.1	103.3	141.1	187.2	240.8	333.4	383.8	477.7	559.4	573.6	618.8	728.1	781.3
Non-OECD	1.9	2.1	2.3	3.2	4.4	5.7	6.5	11.0	16.7	25.8	36.5	48.9	60.8	66.4	77.2	93.2	112.6	130.8
European Union #	19.7	25.8	29.9	33.8	40.6	42.8	49.5	63.7	68.1	80.3	108.9	128.2	153.3	173.2	190.6	222.2	304.1	334.7

Terawatt-hours	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Canada	48.6	52.2	60.5	71.3	77.3	82.9	79.3	72.5	84.3	80.0	93.3	107.1	97.2	92.1	82.0	71.0	73.0	72.3
Mexico	-	-	-	-	-	-	0.4	2.9	4.2	3.9	4.9	4.2	8.4	7.9	10.5	9.3	10.0	8.2
US	309.1	344.9	403.9	435.8	479.2	554.7	557.2	607.2	644.8	651.3	642.4	674.1	708.8	710.2	661.7	709.2	766.6	793.6
Total North America	**357.7**	**397.1**	**464.4**	**507.1**	**556.5**	**637.6**	**636.9**	**682.6**	**733.4**	**735.3**	**740.6**	**785.5**	**814.5**	**810.2**	**754.1**	**789.4**	**849.6**	**874.1**
Argentina	3.4	4.6	5.8	5.7	6.5	5.8	5.0	7.3	7.8	7.1	7.8	8.2	7.1	7.5	8.0	7.5	7.1	6.2
Brazil	-	1.6	3.4	0.1	1.0	0.6	1.8	2.2	1.4	1.8	0.4	0.1	2.5	2.4	3.2	3.3	4.0	6.0
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Caribbean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other South America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total S. & Cent. America	**3.4**	**6.3**	**9.1**	**5.9**	**7.4**	**6.4**	**6.9**	**9.5**	**9.2**	**8.8**	**8.2**	**8.3**	**9.6**	**9.9**	**11.1**	**10.7**	**11.1**	**12.2**
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	24.1	27.7	34.6	39.4	42.0	43.1	41.2	42.7	42.9	43.5	41.9	40.6	41.4	43.3	47.4	46.2	49.0	48.2
Bulgaria	12.3	12.7	13.1	12.1	12.4	16.0	14.6	14.7	13.2	11.6	14.0	15.3	17.3	18.1	17.8	16.9	15.8	18.2
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	0.2	1.2	2.4	6.1	10.7	11.8	12.4	12.6	12.1	12.3	12.6	13.0	12.2	12.9	12.5	13.2	13.4	13.6
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finland	17.6	18.7	18.9	18.9	19.5	19.4	19.0	19.1	19.4	19.1	19.8	19.3	19.1	19.7	21.1	22.1	23.2	22.7
France	144.3	191.2	224.1	254.2	265.5	275.5	303.9	314.1	331.3	338.4	368.2	360.0	377.2	397.3	395.5	388.0	394.2	415.2
Germany	78.1	104.3	138.6	130.5	141.7	156.8	161.7	152.5	147.4	158.8	153.5	151.2	154.1	161.6	170.3	161.6	170.0	169.6
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungary	2.5	3.8	6.5	7.4	11.0	13.4	13.9	13.7	13.7	14.0	13.8	14.0	14.0	14.2	14.0	13.9	14.1	14.2
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	5.8	6.9	7.0	8.8	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Latvia	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	n/a	n/a	9.5	9.9	9.2	12.8	16.7	17.0	17.0	14.6	12.3	7.7	11.8	13.9	12.0	13.6	9.9	8.4
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	3.6	3.7	3.9	4.2	3.6	3.7	4.0	3.5	3.3	3.8	3.9	4.0	4.0	4.2	2.4	3.8	3.8	3.9
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	5.4	5.3	5.2	5.5
Slovakia	6.2	7.2	9.4	11.7	11.5	11.5	12.2	12.0	11.7	11.1	11.5	12.6	11.4	11.2	11.1	11.4	13.1	16.5
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.6	5.0	4.0	4.0	4.6	4.8	4.6	5.0	5.0	4.7	4.8
Spain	10.7	23.1	28.0	37.5	41.3	50.5	56.1	54.3	55.6	55.8	56.1	55.3	55.5	56.3	55.3	59.0	58.9	62.2
Sweden	41.0	50.9	58.6	70.0	67.4	69.4	65.6	68.2	76.8	63.5	61.4	73.2	69.9	74.3	69.9	73.6	73.2	57.3
Switzerland	15.7	18.4	22.4	22.4	22.8	22.6	22.7	23.5	22.8	23.3	23.2	24.2	24.7	25.0	25.2	25.7	24.8	26.3
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	n/a	n/a	53.3	42.7	50.4	72.0	66.5	76.2	75.1	73.8	75.2	68.8	70.5	79.6	79.4	75.2	72.1	77.3
United Kingdom	49.9	54.0	61.1	59.1	55.2	63.5	71.7	65.7	70.5	76.8	89.4	88.3	89.0	94.7	98.1	99.5	95.1	85.1
Other Europe	3.9	4.4	4.1	4.0	4.5	4.1	4.7	-	-	-	-	-	-	-	-	-	-	-
Total Europe	**415.8**	**528.5**	**695.5**	**738.8**	**768.9**	**846.2**	**886.8**	**894.4**	**917.8**	**924.2**	**960.7**	**952.1**	**976.9**	**1032.2**	**1042.5**	**1033.9**	**1040.5**	**1048.8**
Azerbaijan	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belarus	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kazakhstan	n/a	n/a	-	-	-	-	0.1	-	0.5	0.5	0.4	0.4	0.1	0.1	0.3	0.1	-	-
Russian Federation	n/a	n/a	99.3	105.2	124.7	134.8	136.3	118.3	120.0	119.6	119.2	97.8	99.5	109.0	108.5	103.7	121.9	130.7
Turkmenistan	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USSR	111.4	143.8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other CIS	n/a	n/a	5.3	2.8	4.3	4.8	1.3	-	-	-	-	-	0.3	2.3	1.6	1.6	2.1	2.0
Total CIS	**111.4**	**143.8**	**104.6**	**108.0**	**129.0**	**139.6**	**137.7**	**118.3**	**120.5**	**120.1**	**119.6**	**98.2**	**99.9**	**111.4**	**110.4**	**105.4**	**124.0**	**132.7**
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	-	3.9	5.3	8.8	6.2	10.5	11.1	8.4	9.1	9.3	7.3	9.7	11.3	11.8	12.6	13.6	12.8	13.0
Eastern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Western Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	**-**	**3.9**	**5.3**	**8.8**	**6.2**	**10.5**	**11.1**	**8.4**	**9.1**	**9.3**	**7.3**	**9.7**	**11.3**	**11.8**	**12.6**	**13.6**	**12.8**	**13.0**
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	1.6	14.8	12.8	14.3	14.4	14.1	14.9	16.7
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	3.1	4.0	4.5	5.0	5.3	6.1	4.0	6.4	5.4	6.4	6.2	4.9	7.6	8.4	10.1	11.4	12.7	15.8
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	114.3	134.3	159.6	165.4	188.6	173.9	185.8	194.6	208.7	217.0	247.7	258.2	286.9	296.5	321.2	326.0	317.2	319.1
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pakistan	0.3	0.3	0.4	0.5	0.3	0.2	0.1	0.4	0.4	0.6	0.4	0.6	0.5	0.3	0.5	0.4	0.1	0.9
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	9.0	11.8	16.7	28.3	39.3	40.1	47.4	52.9	56.3	56.5	58.1	58.7	67.0	73.9	77.1	89.7	103.1	109.0
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	18.9	24.6	28.7	26.9	33.1	30.7	28.3	32.9	35.3	33.8	34.4	34.9	35.3	37.8	36.3	36.8	38.4	38.5
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Asia Pacific	**145.5**	**175.0**	**209.9**	**226.2**	**266.7**	**250.9**	**265.6**	**287.1**	**306.1**	**314.4**	**348.4**	**372.1**	**410.2**	**431.3**	**459.5**	**478.4**	**486.5**	**500.0**
Total World	**1033.8**	**1254.6**	**1488.9**	**1594.7**	**1734.7**	**1891.2**	**1945.0**	**2000.5**	**2096.2**	**2112.1**	**2184.8**	**2225.8**	**2322.4**	**2406.8**	**2390.3**	**2431.4**	**2524.4**	**2580.9**
of which: OECD	880.5	1054.4	1265.8	1380.8	1486.0	1605.6	1671.1	1733.6	1827.9	1847.8	1917.9	1970.3	2057.5	2113.8	2092.3	2141.5	2217.2	2250.0
Non-OECD	153.3	200.1	223.2	213.9	248.7	285.6	273.9	266.8	268.3	264.3	266.9	255.5	264.9	293.0	298.0	289.8	307.1	330.9
European Union #	396.1	505.6	615.8	669.7	691.2	747.5	792.9	794.8	819.9	827.2	862.3	859.1	881.7	927.6	937.8	933.0	943.6	945.2

Terawatt-hours	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	76.2	75.0	74.4	89.8	91.4	97.3	92.8	95.4	89.5	90.0	92.9	94.2	102.7	106.5	101.1	100.7	100.6	100.0	**100.5**	0.5%	0.5%	3.6%
Mexico	8.7	9.7	10.5	9.2	10.8	10.9	10.4	9.8	10.5	5.9	10.1	8.8	11.8	9.7	11.6	10.6	10.9	13.6	**11.3**	-17.6%	3.4%	0.4%
US	809.3	821.1	803.9	830.0	823.1	828.7	848.9	848.6	840.9	849.4	831.8	809.8	830.5	839.1	839.1	848.1	847.3	849.6	**852.0**	0.3%	♦	30.5%
Total North America	**894.2**	**905.9**	**888.8**	**929.0**	**925.3**	**936.8**	**952.1**	**953.8**	**940.9**	**945.3**	**934.8**	**912.8**	**945.1**	**955.3**	**951.8**	**959.4**	**958.8**	**963.2**	**963.7**	**0.1%**	**0.1%**	**34.5%**
Argentina	7.1	5.8	7.6	7.9	6.9	7.7	7.3	7.4	8.2	7.2	6.4	6.4	6.2	5.5	7.0	8.3	6.1	6.9	**8.4**	22.8%	-0.7%	0.3%
Brazil	14.3	13.8	13.4	11.6	9.9	13.8	12.3	14.0	13.0	14.5	15.7	16.0	15.4	15.4	14.7	15.9	15.7	15.7	**16.2**	3.1%	1.2%	0.6%
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Other Caribbean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Other South America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total S. & Cent. America	**21.3**	**19.7**	**20.9**	**19.5**	**16.7**	**21.5**	**19.6**	**21.4**	**21.1**	**21.7**	**22.1**	**22.4**	**21.7**	**20.9**	**21.8**	**24.1**	**21.8**	**22.5**	**24.6**	**9.1%**	**0.5%**	**0.9%**
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Belgium	46.3	47.4	47.4	47.3	47.6	46.6	48.2	45.6	47.2	47.9	48.2	40.3	42.6	33.7	26.1	43.5	42.2	28.6	**43.8**	53.0%	-4.6%	1.6%
Bulgaria	19.6	20.2	17.3	16.8	18.7	19.5	14.6	15.8	15.3	15.2	16.3	15.8	14.2	15.9	15.4	15.8	15.5	16.1	**16.6**	2.8%	0.2%	0.6%
Croatia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Czech Republic	14.7	18.7	25.9	26.3	24.7	26.0	26.2	26.6	27.2	28.0	28.3	30.3	30.7	30.3	26.8	24.1	28.3	29.9	**30.2**	1.1%	1.2%	1.1%
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Finland	23.0	22.5	23.0	23.0	23.5	23.2	23.7	23.2	23.8	23.0	23.4	23.2	23.9	23.8	23.5	23.5	22.7	21.9	**22.9**	4.8%	-0.6%	0.8%
France	421.1	436.8	441.1	448.2	451.5	450.2	439.7	439.4	409.7	428.5	442.4	425.4	423.7	436.5	437.4	403.2	398.4	413.8	**399.4**	-3.5%	-0.6%	14.3%
Germany	171.3	164.8	165.1	167.1	163.0	167.4	140.5	148.8	134.9	140.6	108.0	99.5	97.3	97.1	91.8	84.6	76.3	76.0	**75.1**	-1.2%	-6.5%	2.7%
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Hungary	14.1	14.0	11.0	11.9	13.8	13.5	14.7	14.8	15.4	15.8	15.7	15.8	15.4	15.6	15.8	16.1	16.1	15.7	**16.3**	3.5%	0.6%	0.6%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Lithuania	11.4	14.1	15.5	15.1	10.3	8.7	9.8	9.9	10.9	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Netherlands	4.0	3.9	4.0	3.8	4.0	3.5	4.2	4.2	4.2	4.0	4.1	3.9	2.9	4.1	4.1	4.0	3.4	3.5	**3.9**	11.2%	-1.7%	0.1%
North Macedonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Romania	5.4	5.5	4.9	5.5	5.6	5.6	7.7	11.2	11.8	11.6	11.7	11.5	11.6	11.7	11.6	11.3	11.5	11.4	**11.3**	-0.9%	0.1%	0.4%
Slovakia	17.1	18.0	17.9	17.0	17.7	18.0	15.3	16.7	14.1	14.6	15.4	15.5	15.7	15.5	15.1	14.8	15.1	14.8	**15.5**	4.3%	-1.2%	0.6%
Slovenia	5.3	5.5	5.2	5.5	5.9	5.5	5.7	6.3	5.7	5.7	6.2	5.5	5.3	6.4	5.6	5.7	6.3	5.8	**5.8**	0.8%	-0.8%	0.2%
Spain	63.7	63.0	61.9	63.6	57.5	60.1	55.1	59.0	52.8	61.6	57.7	61.5	56.7	57.3	57.3	58.6	58.1	55.8	**58.4**	4.8%	-0.6%	2.1%
Sweden	72.1	68.1	67.4	77.7	72.7	67.0	67.0	63.9	52.2	57.7	60.5	64.0	66.5	64.9	56.3	63.1	65.7	68.5	**67.0**	-2.2%	0.7%	2.4%
Switzerland	26.6	27.0	27.3	26.8	23.2	27.6	27.7	27.5	27.5	26.5	26.9	25.6	26.2	27.8	23.3	21.3	20.5	24.4	**23.0**	-5.7%	-1.2%	0.8%
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Ukraine	76.2	78.0	81.4	87.0	88.8	90.2	92.5	89.8	82.9	89.2	90.2	90.1	83.2	88.4	87.6	81.0	85.6	84.4	**83.0**	-1.7%	-0.6%	3.0%
United Kingdom	90.1	87.8	88.7	80.0	81.6	75.5	63.0	52.5	69.1	62.1	69.0	70.4	70.6	63.7	70.3	71.7	70.3	65.1	**56.2**	-13.6%	2.2%	2.0%
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Europe	**1082.0**	**1095.5**	**1104.8**	**1122.7**	**1110.2**	**1108.1**	**1055.8**	**1055.1**	**1004.7**	**1032.0**	**1024.2**	**998.4**	**986.5**	**992.7**	**968.3**	**942.2**	**936.1**	**935.8**	**928.5**	**-0.8%**	**-1.2%**	**33.2%**
Azerbaijan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Belarus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Kazakhstan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Russian Federation	136.9	141.6	150.3	144.7	149.4	156.4	160.1	163.1	163.6	170.4	172.9	177.5	172.5	180.8	195.5	196.6	203.1	204.6	**209.0**	2.2%	2.3%	7.5%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other CIS	2.0	2.3	2.0	2.2	2.7	2.6	2.6	2.5	2.5	2.5	2.5	2.3	2.4	2.5	2.8	2.4	2.6	2.1	**2.2**	5.9%	-1.7%	0.1%
Total CIS	**138.9**	**143.9**	**152.3**	**146.9**	**152.2**	**159.1**	**162.6**	**165.5**	**166.1**	**172.9**	**175.5**	**179.8**	**174.9**	**183.2**	**198.3**	**199.0**	**205.8**	**206.7**	**211.2**	**2.2%**	**2.2%**	**7.6%**
Iran	-	-	-	-	-	-	-	-	-	-	0.1	1.5	4.3	4.1	3.5	6.5	7.0	6.9	**6.4**	-6.9%	-	0.2%
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.1**	**1.5**	**4.3**	**4.1**	**3.5**	**6.5**	**7.0**	**6.9**	**6.4**	**-6.9%**	**n/a**	**0.2%**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Africa	10.7	12.0	12.7	13.4	11.3	10.0	11.3	13.0	12.8	13.5	12.9	13.0	14.1	13.8	12.2	15.9	15.8	11.1	**14.2**	28.2%	-1.6%	0.5%
Eastern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Western Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Africa	**10.7**	**12.0**	**12.7**	**13.4**	**11.3**	**10.0**	**11.3**	**13.0**	**12.8**	**13.5**	**12.9**	**13.0**	**14.1**	**13.8**	**12.2**	**15.9**	**15.8**	**11.1**	**14.2**	**28.2%**	**-1.6%**	**0.5%**
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
China	17.5	25.1	43.3	50.5	53.1	54.8	62.1	68.4	70.1	74.7	87.2	98.3	111.5	133.2	171.4	213.2	248.1	295.0	**348.7**	18.2%	15.7%	12.5%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
India	18.9	19.4	18.1	21.3	17.7	17.6	17.8	15.2	16.8	23.1	32.2	33.1	33.3	34.7	38.3	37.9	37.4	39.1	**45.2**	15.7%	9.9%	1.6%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Japan	320.5	314.3	230.1	285.9	293.0	304.3	279.0	251.7	274.7	292.4	162.9	18.0	14.6	-	4.5	17.7	29.1	49.1	**65.6**	33.7%	-15.1%	2.3%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Pakistan	2.1	1.9	1.9	2.4	2.5	2.5	2.3	1.7	2.5	2.5	3.9	2.7	7.1	4.4	4.4	5.4	7.9	9.8	**9.5**	-2.8%	18.8%	0.3%
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Korea	112.1	119.1	129.7	130.7	146.8	148.7	142.9	151.0	147.8	148.6	154.7	150.3	138.8	156.4	164.8	162.0	148.4	133.5	**146.0**	9.4%	-1.2%	5.2%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Taiwan	35.5	39.6	38.9	39.5	40.0	39.9	40.5	40.8	41.6	41.6	42.1	40.4	41.6	42.4	36.5	31.7	22.4	27.7	**32.3**	16.8%	-3.8%	1.2%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Asia Pacific	**506.6**	**519.3**	**462.0**	**530.2**	**553.1**	**567.9**	**544.8**	**528.9**	**553.4**	**582.9**	**483.1**	**342.9**	**346.9**	**371.1**	**419.9**	**467.8**	**493.3**	**554.1**	**647.3**	**16.8%**	**0.5%**	**23.2%**
Total World	**2653.8**	**2696.2**	**2641.6**	**2761.6**	**2768.9**	**2803.4**	**2746.2**	**2737.7**	**2699.0**	**2768.5**	**2652.7**	**2470.8**	**2493.4**	**2541.1**	**2575.8**	**2614.9**	**2638.6**	**2700.4**	**2796.0**	**3.5%**	**-0.1%**	**100.0%**
of which: OECD	2307.7	2331.0	2249.8	2358.8	2362.4	2382.6	2315.0	2294.8	2258.0	2302.3	2158.3	1962.1	1975.9	1988.5	1974.7	1973.2	1959.8	1969.8	**1993.0**	1.2%	-1.5%	71.3%
Non-OECD	346.1	365.2	391.8	402.8	406.5	420.8	431.2	442.9	440.9	466.2	494.4	508.7	517.5	552.6	601.0	641.7	678.8	730.6	**803.0**	9.9%	5.1%	28.7%
European Union #	979.2	990.4	996.1	1008.9	998.3	990.2	935.5	937.7	894.3	916.4	907.0	882.6	877.1	876.6	857.4	839.9	830.0	827.0	**822.4**	-0.6%	-1.2%	29.4%

* Based on gross generation and not accounting for cross-border electricity supply.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and shares of total are calculated using terawatt-hours figures.

Nuclear: Consumption*

Contents

Exajoules (input-equivalent)	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	^	^	^	0.01	0.01	0.01	0.04	0.07	0.15	0.15	0.13	0.17	0.26	0.31	0.35	0.38	0.40	0.38	0.49	0.52	0.61	0.71	0.77	0.83	0.79	0.72	0.84	0.80	0.93	1.07	0.97	0.92	0.82	0.71	0.73	0.72	0.76	0.74	0.73	0.87	0.89	0.94	0.89	0.91	0.84	0.85	0.87	0.87	0.95	0.98	0.92	0.91	0.91	0.90	**0.90**	0.1%	-0.1%	3.6%
Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.03	0.04	0.04	0.05	0.04	0.08	0.08	0.10	0.09	0.10	0.08	0.09	0.10	0.10	0.09	0.10	0.10	0.10	0.09	0.10	0.06	0.09	0.08	0.11	0.09	0.11	0.10	0.10	0.12	**0.10**	-17.9%	2.7%	0.4%
US	0.04	0.06	0.08	0.13	0.15	0.23	0.40	0.57	0.88	1.20	1.82	2.01	2.64	2.91	2.69	2.64	2.87	2.98	3.09	3.45	4.04	4.36	4.79	5.55	5.57	6.07	6.45	6.51	6.42	6.74	7.09	7.10	6.62	7.09	7.67	7.94	8.04	8.11	7.88	8.09	7.97	7.97	8.12	8.06	7.94	7.97	7.76	7.51	7.66	7.69	7.64	7.68	7.63	7.60	**7.60**	-0.1%	-0.6%	30.5%
Total North America	**0.04**	**0.06**	**0.08**	**0.14**	**0.15**	**0.24**	**0.44**	**0.64**	**1.03**	**1.35**	**1.94**	**2.19**	**2.90**	**3.22**	**3.04**	**3.02**	**3.27**	**3.36**	**3.58**	**3.97**	**4.64**	**5.07**	**5.56**	**6.38**	**6.37**	**6.83**	**7.33**	**7.35**	**7.41**	**7.85**	**8.14**	**8.10**	**7.54**	**7.89**	**8.50**	**8.74**	**8.88**	**8.94**	**8.72**	**9.05**	**8.96**	**9.01**	**9.10**	**9.06**	**8.89**	**8.87**	**8.72**	**8.46**	**8.71**	**8.75**	**8.67**	**8.69**	**8.63**	**8.62**	**8.59**	**-0.3%**	**-0.5%**	**34.5%**
Argentina	-	-	-	-	-	-	-	-	-	0.01	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.03	0.05	0.06	0.06	0.06	0.06	0.05	0.07	0.08	0.07	0.08	0.08	0.07	0.07	0.08	0.07	0.07	0.06	0.07	0.06	0.07	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.06	0.06	0.06	0.05	0.06	0.08	0.05	0.06	**0.08**	22.4%	-1.3%	0.3%
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	0.03	^	0.01	0.01	0.02	0.02	0.01	0.02	^	^	0.03	0.02	0.03	0.03	0.04	0.06	0.14	0.14	0.13	0.11	0.10	0.13	0.12	0.13	0.12	0.14	0.15	0.15	0.14	0.14	0.13	0.14	0.14	0.14	**0.14**	2.8%	0.6%	0.6%
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Central America	-	-	-	-	^	^	^	^	^	^	^	^	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Other Caribbean	-	^	^	^	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Other South America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total S. & Cent. America	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.03**	**0.03**	**0.02**	**0.03**	**0.03**	**0.02**	**0.03**	**0.02**	**0.03**	**0.06**	**0.09**	**0.06**	**0.07**	**0.06**	**0.07**	**0.10**	**0.09**	**0.09**	**0.08**	**0.08**	**0.10**	**0.10**	**0.11**	**0.11**	**0.11**	**0.12**	**0.21**	**0.19**	**0.21**	**0.19**	**0.16**	**0.21**	**0.19**	**0.20**	**0.20**	**0.20**	**0.21**	**0.21**	**0.20**	**0.19**	**0.20**	**0.22**	**0.20**	**0.20**	**0.22**	**8.7%**	**-0.1%**	**0.9%**
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Belgium	-	^	^	^	^	^	-	^	^	^	0.07	0.10	0.12	0.13	0.11	0.13	0.13	0.16	0.24	0.28	0.35	0.39	0.42	0.43	0.41	0.43	0.43	0.43	0.42	0.41	0.41	0.43	0.47	0.46	0.49	0.48	0.46	0.47	0.46	0.46	0.46	0.45	0.46	0.43	0.45	0.45	0.45	0.37	0.39	0.31	0.24	0.39	0.38	0.26	**0.39**	52.4%	-5.1%	1.6%
Bulgaria	-	-	-	-	-	-	-	-	-	0.01	0.03	0.05	0.06	0.06	0.06	0.06	0.09	0.11	0.12	0.13	0.13	0.12	0.12	0.16	0.15	0.15	0.13	0.12	0.14	0.15	0.17	0.18	0.18	0.17	0.16	0.18	0.19	0.20	0.17	0.16	0.18	0.19	0.14	0.15	0.14	0.14	0.15	0.15	0.13	0.15	0.14	0.14	0.14	0.14	**0.15**	2.4%	-0.4%	0.6%
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.01	0.02	0.06	0.11	0.12	0.12	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.12	0.13	0.13	0.14	0.15	0.18	0.25	0.26	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.28	0.28	0.28	0.24	0.22	0.26	0.27	**0.27**	0.7%	0.6%	1.1%
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-	0.03	0.03	0.07	0.07	0.15	0.17	0.18	0.19	0.19	0.19	0.20	0.19	0.19	0.19	0.19	0.19	0.20	0.19	0.19	0.20	0.21	0.22	0.23	0.23	0.23	0.22	0.23	0.22	0.23	0.22	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.20	0.20	**0.20**	4.4%	-1.2%	0.8%
France	0.01	0.01	0.02	0.03	0.04	0.06	0.09	0.15	0.15	0.15	0.18	0.16	0.18	0.30	0.40	0.61	1.05	1.09	1.44	1.91	2.24	2.54	2.66	2.76	3.04	3.14	3.31	3.38	3.68	3.60	3.77	3.97	3.95	3.88	3.94	4.15	4.18	4.31	4.33	4.37	4.37	4.33	4.20	4.18	3.87	4.02	4.13	3.94	3.91	4.00	3.98	3.65	3.59	3.70	**3.56**	-3.8%	-1.2%	14.3%
Germany	^	^	0.01	0.02	0.05	0.06	0.06	0.10	0.12	0.14	0.24	0.30	0.41	0.44	0.52	0.56	0.66	0.74	0.78	1.04	1.39	1.30	1.42	1.57	1.62	1.53	1.47	1.59	1.54	1.51	1.54	1.62	1.70	1.62	1.70	1.70	1.70	1.63	1.62	1.63	1.58	1.61	1.34	1.41	1.27	1.32	1.01	0.92	0.90	0.89	0.84	0.77	0.69	0.68	**0.67**	-1.6%	-7.1%	2.7%
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	0.04	0.06	0.07	0.11	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.11	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.15	0.14	0.14	**0.15**	3.2%	♦	0.6%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Italy	0.04	0.04	0.03	0.03	0.02	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.03	0.04	0.03	0.02	0.03	0.07	0.06	0.07	0.07	0.09	^	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.09	0.10	0.09	0.13	0.17	0.17	0.17	0.15	0.12	0.08	0.12	0.14	0.12	0.14	0.10	0.08	0.11	0.14	0.15	0.15	0.10	0.08	0.09	0.09	0.10	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Netherlands	-	-	-	^	^	^	^	^	0.01	0.03	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.03	0.03	**0.03**	10.8%	-2.3%	0.1%
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	**0.10**	-1.2%	-0.5%	0.4%
Slovakia	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.02	0.05	0.05	0.06	0.06	0.07	0.09	0.12	0.12	0.11	0.12	0.12	0.12	0.11	0.11	0.13	0.11	0.11	0.11	0.11	0.13	0.16	0.17	0.18	0.18	0.17	0.17	0.17	0.15	0.16	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.14	0.13	**0.14**	4.0%	-1.8%	0.6%
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.06	0.05	0.05	0.06	0.05	0.05	0.06	0.05	0.05	0.06	0.05	**0.05**	0.4%	-1.4%	0.2%
Spain	-	-	-	^	0.01	0.01	0.03	0.05	0.07	0.07	0.08	0.08	0.07	0.08	0.07	0.05	0.10	0.09	0.11	0.23	0.28	0.37	0.41	0.50	0.56	0.54	0.56	0.56	0.56	0.55	0.55	0.56	0.55	0.59	0.59	0.62	0.63	0.62	0.61	0.62	0.56	0.58	0.53	0.56	0.50	0.58	0.54	0.57	0.52	0.53	0.52	0.53	0.52	0.50	**0.52**	4.4%	-1.2%	2.1%
Sweden	^	^	^	^	^	^	^	0.01	0.02	0.02	0.12	0.16	0.20	0.24	0.21	0.26	0.38	0.39	0.41	0.51	0.59	0.70	0.67	0.69	0.66	0.68	0.77	0.64	0.61	0.73	0.70	0.74	0.70	0.74	0.73	0.57	0.72	0.67	0.66	0.76	0.70	0.64	0.64	0.61	0.49	0.54	0.56	0.59	0.61	0.59	0.51	0.57	0.59	0.61	**0.60**	-2.6%	0.1%	2.4%
Switzerland	-	-	-	-	0.01	0.02	0.01	0.04	0.06	0.07	0.08	0.08	0.08	0.08	0.12	0.14	0.15	0.15	0.16	0.18	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.25	0.25	0.25	0.26	0.25	0.26	0.26	0.27	0.27	0.26	0.22	0.27	0.27	0.26	0.26	0.25	0.25	0.24	0.24	0.25	0.21	0.19	0.18	0.22	**0.21**	-6.0%	-1.8%	0.8%
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.53	0.43	0.50	0.72	0.67	0.76	0.75	0.74	0.75	0.69	0.71	0.80	0.79	0.75	0.72	0.77	0.76	0.77	0.80	0.85	0.86	0.87	0.88	0.85	0.78	0.84	0.84	0.84	0.77	0.81	0.80	0.73	0.77	0.76	**0.74**	-2.0%	-1.2%	3.0%
United Kingdom	0.15	0.20	0.23	0.26	0.29	0.26	0.28	0.29	0.28	0.34	0.30	0.36	0.40	0.37	0.38	0.37	0.38	0.44	0.50	0.54	0.61	0.59	0.55	0.63	0.72	0.66	0.71	0.77	0.89	0.88	0.89	0.95	0.98	0.99	0.95	0.85	0.90	0.87	0.87	0.78	0.79	0.73	0.60	0.50	0.65	0.58	0.64	0.65	0.65	0.58	0.64	0.65	0.63	0.58	**0.50**	-14.0%	1.6%	2.0%
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Europe	**0.20**	**0.26**	**0.30**	**0.34**	**0.41**	**0.45**	**0.51**	**0.68**	**0.74**	**0.87**	**1.17**	**1.36**	**1.61**	**1.82**	**2.02**	**2.37**	**3.20**	**3.52**	**4.16**	**5.28**	**6.96**	**7.39**	**7.69**	**8.46**	**8.87**	**8.94**	**9.18**	**9.24**	**9.61**	**9.52**	**9.77**	**10.32**	**10.42**	**10.34**	**10.40**	**10.49**	**10.75**	**10.81**	**10.84**	**10.94**	**10.75**	**10.66**	**10.10**	**10.03**	**9.49**	**9.69**	**9.55**	**9.26**	**9.09**	**9.09**	**8.82**	**8.53**	**8.43**	**8.37**	**8.28**	**-1.2%**	**-1.8%**	**33.2%**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	^	-	0.01	^	^	^	^	^	^	^	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.99	1.05	1.25	1.35	1.36	1.18	1.20	1.20	1.19	0.98	1.00	1.09	1.08	1.04	1.22	1.31	1.36	1.40	1.47	1.41	1.45	1.51	1.53	1.55	1.54	1.60	1.61	1.65	1.59	1.66	1.78	1.78	1.83	1.83	**1.86**	1.8%	1.7%	7.5%
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
USSR	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.10	0.14	0.21	0.29	0.38	0.51	0.52	0.60	0.74	0.87	1.00	1.11	1.44	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.05	0.03	0.04	0.05	0.01	-	-	-	-	-	^	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	**0.02**	5.5%	-2.3%	0.1%
Total CIS	**0.02**	**0.02**	**0.02**	**0.03**	**0.04**	**0.04**	**0.05**	**0.10**	**0.14**	**0.21**	**0.29**	**0.38**	**0.51**	**0.52**	**0.60**	**0.74**	**0.87**	**1.00**	**1.11**	**1.44**	**1.05**	**1.08**	**1.29**	**1.40**	**1.38**	**1.18**	**1.21**	**1.20**	**1.20**	**0.98**	**1.00**	**1.11**	**1.10**	**1.05**	**1.24**	**1.33**	**1.38**	**1.42**	**1.49**	**1.43**	**1.47**	**1.53**	**1.55**	**1.57**	**1.57**	**1.62**	**1.64**	**1.67**	**1.61**	**1.68**	**1.81**	**1.80**	**1.85**	**1.85**	**1.88**	**1.8%**	**1.6%**	**7.6%**
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.01	0.04	0.04	0.03	0.06	0.06	0.06	**0.06**	-7.2%	-	0.2%
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**0.01**	**0.04**	**0.04**	**0.03**	**0.06**	**0.06**	**0.06**	**0.06**	**-7.2%**	**n/a**	**0.2%**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04	0.05	0.09	0.06	0.10	0.11	0.08	0.09	0.09	0.07	0.10	0.11	0.12	0.13	0.14	0.13	0.13	0.11	0.12	0.12	0.13	0.11	0.10	0.11	0.12	0.12	0.13	0.12	0.12	0.13	0.13	0.11	0.14	0.14	0.10	**0.13**	27.7%	-2.2%	0.5%
Eastern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Western Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.04**	**0.05**	**0.09**	**0.06**	**0.10**	**0.11**	**0.08**	**0.09**	**0.09**	**0.07**	**0.10**	**0.11**	**0.12**	**0.13**	**0.14**	**0.13**	**0.13**	**0.11**	**0.12**	**0.12**	**0.13**	**0.11**	**0.10**	**0.11**	**0.12**	**0.12**	**0.13**	**0.12**	**0.12**	**0.13**	**0.13**	**0.11**	**0.14**	**0.14**	**0.10**	**0.13**	**27.7%**	**-2.2%**	**0.5%**
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	0.15	0.13	0.14	0.14	0.14	0.15	0.17	0.17	0.25	0.43	0.49	0.51	0.53	0.59	0.65	0.66	0.70	0.81	0.91	1.03	1.22	1.56	1.93	2.23	2.64	**3.11**	17.8%	15.0%	12.5%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
India	-	-	-	-	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.06	0.04	0.06	0.05	0.06	0.06	0.05	0.08	0.08	0.10	0.11	0.13	0.16	0.19	0.19	0.18	0.21	0.17	0.17	0.17	0.14	0.16	0.22	0.30	0.31	0.31	0.32	0.35	0.34	0.34	0.35	**0.40**	15.2%	9.2%	1.6%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Japan	^	0.01	0.01	0.01	0.01	0.05	0.08	0.09	0.10	0.20	0.25	0.34	0.32	0.59	0.70	0.83	0.88	1.02	1.14	1.34	1.60	1.65	1.89	1.74	1.86	1.95	2.09	2.17	2.48	2.58	2.87	2.97	3.21	3.26	3.17	3.19	3.18	3.10	2.26	2.79	2.84	2.93	2.67	2.39	2.59	2.74	1.52	0.17	0.13	-	0.04	0.16	0.26	0.44	**0.59**	33.2%	-15.6%	2.3%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Pakistan	-	-	-	-	-	-	^	^	^	0.01	0.01	0.01	^	^	^	^	^	^	^	^	^	0.01	^	^	^	^	^	0.01	^	0.01	0.01	^	^	^	^	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.03	0.07	0.04	0.04	0.05	0.07	0.09	**0.08**	-3.2%	18.1%	0.3%
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	^	0.02	0.03	0.03	0.03	0.04	0.09	0.12	0.17	0.28	0.39	0.40	0.47	0.53	0.56	0.57	0.58	0.59	0.67	0.74	0.77	0.90	1.03	1.09	1.11	1.18	1.27	1.27	1.42	1.43	1.37	1.43	1.40	1.39	1.44	1.39	1.28	1.43	1.50	1.47	1.34	1.19	**1.30**	8.9%	-1.8%	5.2%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	^	0.03	0.06	0.08	0.11	0.13	0.19	0.25	0.29	0.27	0.33	0.31	0.28	0.33	0.35	0.34	0.34	0.35	0.35	0.38	0.36	0.37	0.38	0.39	0.35	0.39	0.38	0.38	0.39	0.38	0.39	0.39	0.39	0.39	0.39	0.37	0.38	0.39	0.33	0.29	0.20	0.25	**0.29**	16.3%	-4.4%	1.2%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Asia Pacific	**^**	**0.01**	**0.01**	**0.01**	**0.02**	**0.06**	**0.09**	**0.11**	**0.12**	**0.22**	**0.28**	**0.37**	**0.34**	**0.67**	**0.82**	**0.97**	**1.04**	**1.22**	**1.46**	**1.75**	**2.10**	**2.26**	**2.67**	**2.51**	**2.66**	**2.87**	**3.06**	**3.14**	**3.48**	**3.72**	**4.10**	**4.31**	**4.59**	**4.78**	**4.86**	**5.00**	**5.03**	**5.13**	**4.53**	**5.17**	**5.36**	**5.46**	**5.21**	**5.03**	**5.23**	**5.47**	**4.51**	**3.18**	**3.20**	**3.40**	**3.82**	**4.24**	**4.44**	**4.96**	**5.77**	**16.4%**	**-0.1%**	**23.2%**
Total World	**0.26**	**0.34**	**0.41**	**0.52**	**0.62**	**0.79**	**1.10**	**1.52**	**2.04**	**2.67**	**3.70**	**4.33**	**5.39**	**6.26**	**6.51**	**7.12**	**8.41**	**9.12**	**10.34**	**12.55**	**14.89**	**15.95**	**17.35**	**18.91**	**19.45**	**20.00**	**20.96**	**21.12**	**21.85**	**22.26**	**23.22**	**24.07**	**23.90**	**24.31**	**25.24**	**25.81**	**26.37**	**26.61**	**25.91**	**26.91**	**26.81**	**26.98**	**26.26**	**26.02**	**25.49**	**25.99**	**24.75**	**22.91**	**22.98**	**23.28**	**23.46**	**23.67**	**23.75**	**24.16**	**24.92**	**3.2%**	**-0.7%**	**100.0%**
of which: OECD	0.24	0.32	0.39	0.49	0.57	0.73	1.03	1.41	1.87	2.41	3.33	3.84	4.78	5.59	5.74	6.19	7.28	7.81	8.81	10.54	12.66	13.81	14.86	16.06	16.71	17.34	18.28	18.48	19.18	19.70	20.58	21.14	20.92	21.42	22.17	22.50	22.93	23.01	22.07	22.99	22.88	22.93	22.14	21.81	21.33	21.61	20.14	18.19	18.21	18.22	17.98	17.86	17.64	17.62	**17.77**	0.8%	-2.1%	71.3%
Non-OECD	0.02	0.02	0.02	0.03	0.04	0.06	0.06	0.11	0.17	0.26	0.36	0.49	0.61	0.66	0.77	0.93	1.13	1.31	1.53	2.00	2.23	2.14	2.49	2.86	2.74	2.67	2.68	2.64	2.67	2.56	2.65	2.93	2.98	2.90	3.07	3.31	3.44	3.60	3.84	3.93	3.94	4.05	4.12	4.21	4.16	4.38	4.61	4.72	4.77	5.06	5.47	5.81	6.11	6.54	**7.16**	9.5%	4.5%	28.7%
European Union #	0.20	0.26	0.30	0.34	0.41	0.43	0.49	0.64	0.68	0.80	1.09	1.28	1.53	1.73	1.91	2.22	3.04	3.35	3.96	5.06	6.16	6.70	6.91	7.47	7.93	7.95	8.20	8.27	8.62	8.59	8.82	9.28	9.38	9.33	9.44	9.45	9.73	9.78	9.77	9.83	9.67	9.53	8.95	8.91	8.45	8.60	8.46	8.18	8.08	8.03	7.81	7.60	7.47	7.40	**7.33**	-0.9%	-1.8%	29.4%

*Based on gross generation and not accounting for cross-border electricity supply. "Input-equivalent" energy is the amount of fuel that would be required by thermal power stations to generate the reported electricity output.
Details on thermal efficiency assumptions are available in the appendices and definitions page and at *bp.com/statisticalreview*.

^ Less than 0.05.

♦ Less than 0.05%.

n/a not available.

USSR includes CIS, Georgia, Ukraine and the Baltic States.

\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Notes: Annual changes and share of total are calculated using exajoules figures.

Contents

Hydroelectricity: Generation*

Contents

Terawatt-hours	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Canada	118.1	131.0	133.9	136.2	150.6	158.1	162.5	181.6	194.7	210.7	202.5	212.7	220.1	235.3	244.1	251.1	266.0	257.8
Mexico	8.9	10.1	11.0	12.6	13.4	15.0	14.6	15.5	16.4	16.7	15.2	17.3	19.2	16.2	18.0	16.9	24.6	22.9
US	199.0	199.9	227.2	228.2	256.0	253.5	272.3	278.7	278.2	307.3	306.2	289.8	225.9	286.3	285.9	282.0	266.5	315.5
Total North America	**325.9**	**341.1**	**372.2**	**377.0**	**420.1**	**426.6**	**449.3**	**475.9**	**489.2**	**534.7**	**523.9**	**519.8**	**465.2**	**537.8**	**548.1**	**550.1**	**557.1**	**596.2**
Argentina	1.2	1.2	1.3	1.5	1.3	1.6	1.5	1.5	3.0	5.0	5.2	5.0	5.8	7.8	10.7	15.1	14.7	17.6
Brazil	25.5	27.9	29.2	30.6	32.7	39.8	43.2	50.7	57.9	65.7	72.3	82.9	93.5	102.7	116.6	128.9	130.8	141.1
Chile	4.0	4.2	4.3	3.6	4.0	4.3	4.8	5.7	5.6	6.4	6.4	6.6	7.0	7.3	7.4	7.9	8.2	8.9
Colombia	3.5	3.9	4.4	4.9	5.4	6.1	6.4	7.1	7.7	8.8	9.7	10.2	10.5	12.1	13.3	14.4	14.3	15.2
Ecuador	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.8	0.7	0.9	0.8	0.9
Peru	2.6	2.8	3.2	3.4	3.7	3.5	4.3	4.4	4.8	5.2	5.5	5.8	6.0	6.2	6.7	7.0	8.0	8.4
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	1.4	1.4	1.6	2.7	3.2	4.1	5.4	6.0	6.2	7.7	8.9	10.6	12.2	12.2	14.2	14.6	15.1	15.8
Central America	1.4	1.5	1.7	1.9	2.1	2.3	2.3	2.5	2.6	2.9	2.8	2.9	2.9	4.0	4.9	5.6	5.8	5.6
Other Caribbean	0.4	0.4	0.3	0.3	0.4	0.4	0.9	0.9	0.9	0.8	0.8	1.2	0.8	1.1	1.4	1.1	1.8	1.2
Other South America	1.1	2.3	2.4	2.6	2.7	3.1	3.7	3.4	3.9	3.8	3.8	3.6	4.0	4.0	4.0	6.0	5.1	5.4
Total S. & Cent. America	**41.3**	**46.0**	**48.7**	**51.7**	**55.9**	**65.6**	**73.1**	**82.7**	**93.0**	**106.9**	**115.9**	**129.4**	**143.1**	**158.2**	**179.8**	**201.4**	**204.4**	**220.2**
Austria	16.1	17.3	17.7	18.2	16.7	21.3	16.8	17.3	19.2	22.7	23.8	20.6	24.9	24.9	28.1	29.1	30.8	30.9
Belgium	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.4	0.3
Bulgaria	2.0	2.0	2.0	1.3	1.8	2.2	2.2	2.1	2.6	2.1	2.5	3.0	3.5	2.9	3.3	3.7	3.6	3.1
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	2.2	2.1	1.9	1.5	1.2	1.7	1.2	1.3	1.1	1.8	1.8	1.4	2.0	1.8	2.3	2.4	2.1	1.7
Denmark	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	9.4	10.4	11.6	10.5	8.7	9.5	10.7	10.4	10.6	12.7	12.2	9.5	12.2	9.8	10.9	10.2	13.7	13.1
France	46.9	52.2	45.4	50.4	52.9	56.7	48.9	48.8	47.7	56.2	60.1	48.6	76.3	68.4	66.4	69.5	72.2	70.6
Germany	16.2	17.5	16.7	16.9	13.7	17.5	13.5	13.2	15.2	17.6	17.1	13.8	17.6	18.4	18.4	19.1	19.9	19.7
Greece	0.8	1.7	1.7	1.4	2.1	2.6	2.7	2.7	2.2	2.3	2.0	1.9	1.9	3.0	3.6	3.4	3.4	3.6
Hungary	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
Iceland	0.6	0.6	0.7	0.7	0.9	1.4	1.5	1.7	2.2	2.3	2.2	2.3	2.5	2.6	2.8	3.1	3.1	3.4
Ireland	0.9	0.8	0.8	0.8	0.6	0.8	0.5	0.7	0.6	0.8	0.5	0.6	0.7	0.7	0.8	0.8	0.9	0.8
Italy	42.6	43.7	42.3	42.7	41.2	40.4	39.1	41.3	37.5	37.8	41.0	39.2	51.1	45.5	45.9	45.2	43.0	41.5
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	0.1	0.1	0.1	0.1	0.1	0.1	^	0.1	0.1	0.1	0.1	^	0.1	0.1	0.1	0.1	0.1	0.1
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	49.5	48.7	53.3	60.2	57.4	57.8	63.2	67.4	72.9	76.6	77.3	81.9	72.0	80.7	88.7	83.6	92.8	92.5
Poland	0.9	0.9	1.0	1.0	0.8	1.8	1.6	1.5	1.5	2.1	2.0	1.6	2.0	2.0	1.8	2.3	2.1	1.5
Portugal	4.0	5.3	5.5	5.2	6.3	5.8	6.2	7.1	7.3	7.8	6.4	4.8	10.0	10.8	11.2	8.0	5.0	6.9
Romania	1.0	1.0	1.5	1.6	2.2	2.8	4.5	7.3	7.5	8.5	9.4	8.1	9.3	10.6	11.3	12.6	12.7	11.9
Slovakia	2.2	2.1	1.8	1.7	1.3	2.0	1.5	1.5	1.3	2.2	2.0	2.0	2.4	2.3	1.9	2.3	2.0	1.7
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	19.7	27.3	22.7	24.4	30.6	27.8	31.8	35.5	28.9	30.6	26.1	20.9	39.6	40.3	46.4	29.6	21.9	26.3
Sweden	46.4	45.5	49.3	48.7	41.8	41.5	52.0	53.7	59.9	57.3	57.6	54.8	53.5	57.8	61.1	58.9	59.8	55.1
Switzerland	24.1	27.5	29.9	29.5	28.2	29.2	29.0	24.2	26.6	27.9	32.2	25.8	34.9	31.6	29.7	33.4	35.1	36.0
Turkey	2.2	2.3	2.4	3.2	3.4	3.0	2.6	3.2	2.6	3.4	5.9	8.4	8.6	9.3	10.3	11.3	12.6	14.2
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	4.6	4.5	4.9	3.7	3.3	4.5	3.4	3.4	3.8	4.1	3.8	4.5	4.0	4.1	4.3	4.0	4.4	4.5
Other Europe	9.4	10.4	11.2	12.4	15.3	15.4	16.5	19.1	17.7	22.1	21.1	22.6	26.7	27.8	29.4	31.6	28.5	26.8
Total Europe	**302.2**	**324.6**	**324.5**	**336.2**	**331.0**	**346.1**	**349.6**	**363.8**	**369.3**	**399.3**	**407.5**	**376.8**	**456.3**	**455.5**	**479.1**	**464.8**	**470.4**	**466.3**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	81.4	91.8	88.6	104.0	115.2	124.4	126.1	122.9	122.3	132.0	126.0	135.7	147.0	169.7	172.0	183.9	186.7	174.7
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**81.4**	**91.8**	**88.6**	**104.0**	**115.2**	**124.4**	**126.1**	**122.9**	**122.3**	**132.0**	**126.0**	**135.7**	**147.0**	**169.7**	**172.0**	**183.9**	**186.7**	**174.7**
Iran	1.7	1.8	2.0	2.1	2.3	2.5	2.7	3.5	3.0	3.3	3.4	3.8	4.0	6.2	5.4	5.6	6.1	6.4
Iraq	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	1.0	0.7	0.6	0.6
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	0.6	0.6	0.7	0.8	1.0	0.9	0.9	0.9	0.5	1.2	1.6	2.0	2.6	2.9	3.2	3.4	3.5	3.6
Total Middle East	**2.3**	**2.5**	**2.8**	**3.1**	**3.4**	**3.6**	**3.8**	**4.6**	**3.8**	**4.8**	**5.4**	**6.3**	**7.1**	**9.8**	**9.6**	**9.7**	**10.2**	**10.6**
Algeria	0.4	0.4	0.4	0.6	0.4	0.6	0.3	0.5	0.8	0.5	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.5
Egypt	1.7	1.8	2.0	3.0	4.0	4.7	5.0	5.2	5.2	6.1	6.8	8.0	9.0	9.9	9.6	9.8	10.2	10.5
Morocco	1.2	1.1	0.9	1.1	1.4	1.3	1.5	1.6	1.2	1.3	1.0	1.0	1.4	1.4	1.6	1.5	1.0	0.6
South Africa	^	^	^	^	^	^	0.1	0.8	1.0	1.1	1.1	1.9	1.9	1.9	1.1	1.0	1.7	1.0
Eastern Africa	6.0	7.2	7.0	7.2	7.9	11.3	8.9	10.9	11.2	14.3	15.2	16.7	19.1	18.2	19.8	18.1	18.9	19.6
Middle Africa	3.9	4.1	3.8	4.0	4.4	4.9	5.2	5.3	5.8	5.7	6.2	6.0	6.1	6.2	6.3	6.6	7.0	7.3
Western Africa	0.5	0.9	1.9	3.0	4.0	4.6	4.8	5.2	6.1	6.5	6.9	7.6	7.9	7.0	9.5	9.7	9.7	9.4
Other Northern Africa	^	^	^	^	^	^	^	0.1	0.1	^	^	0.1	^	^	^	^	^	^
Other Southern Africa	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3	1.3	1.3	1.3	1.3
Total Africa	**13.9**	**15.5**	**16.2**	**18.9**	**22.1**	**27.6**	**26.0**	**29.6**	**31.3**	**35.7**	**37.7**	**41.8**	**45.9**	**46.3**	**49.6**	**48.3**	**50.2**	**50.2**
Australia	7.7	7.3	7.6	8.0	8.7	10.2	11.5	11.6	12.3	13.9	14.9	14.2	13.5	14.7	14.2	13.5	13.9	12.8
Bangladesh	-	-	-	-	-	-	-	0.2	0.3	0.2	0.4	0.5	0.4	0.5	0.6	0.6	0.6	0.5
China	22.1	22.5	19.4	22.9	23.3	24.0	29.1	33.0	36.8	41.7	43.6	44.2	46.1	43.2	48.6	58.2	65.5	74.4
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	19.2	20.0	22.4	25.8	28.7	30.4	33.4	32.4	34.5	33.2	39.7	41.5	45.3	56.2	54.2	55.4	59.1	49.9
Indonesia	1.8	2.4	2.7	3.3	3.4	4.2	1.4	1.2	1.6	1.7	1.8	1.1	1.8	1.3	1.4	1.3	1.3	1.4
Japan	76.1	79.4	68.6	73.5	75.4	75.4	84.2	85.1	66.8	82.7	83.4	83.6	73.0	70.0	80.7	88.3	87.6	81.6
Malaysia	0.6	0.7	0.7	0.8	1.0	1.2	1.0	1.2	1.1	1.0	1.0	0.9	0.8	0.9	1.1	1.4	1.6	1.5
New Zealand	10.0	10.8	11.2	11.8	11.6	12.7	14.4	15.3	15.1	15.2	16.7	15.5	14.7	15.7	18.4	19.4	19.7	18.3
Pakistan	2.2	2.2	2.6	3.1	3.3	2.9	3.8	4.0	4.2	4.3	4.9	5.3	6.3	7.8	8.5	8.9	9.3	10.4
Philippines	1.6	1.5	1.7	1.7	1.8	2.1	1.9	2.2	2.4	2.1	2.3	2.8	2.1	2.8	2.9	3.5	3.7	3.8
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	0.7	1.0	1.0	0.9	1.4	1.2	1.3	1.4	1.3	1.9	1.7	1.8	1.4	1.8	2.3	1.9	2.6	1.7
Sri Lanka	0.4	0.4	0.4	0.5	0.5	0.7	0.8	0.8	0.7	1.0	1.1	1.1	1.2	1.4	1.5	1.5	1.6	1.6
Taiwan	2.6	2.7	2.6	3.9	3.1	2.9	3.1	3.6	3.4	4.7	5.3	4.3	4.0	5.0	4.6	2.9	4.8	4.8
Thailand	0.8	1.1	1.4	1.4	1.0	1.8	2.0	1.7	1.9	2.5	3.4	3.6	3.3	2.1	3.3	1.3	3.0	3.8
Vietnam	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.5	0.6	0.6	0.8	1.0	1.5	1.5	1.6
Other Asia Pacific	10.0	10.0	10.2	10.3	10.3	10.4	10.7	11.1	11.2	11.5	11.9	12.3	12.5	12.9	13.8	13.9	14.1	14.6
Total Asia Pacific	**156.1**	**162.3**	**152.9**	**168.2**	**174.2**	**180.7**	**199.3**	**205.1**	**194.0**	**217.9**	**232.4**	**233.3**	**227.0**	**237.0**	**257.0**	**273.4**	**289.7**	**282.7**
Total World	**923.2**	**983.8**	**1005.7**	**1059.3**	**1121.7**	**1174.6**	**1227.1**	**1284.6**	**1303.0**	**1431.3**	**1448.9**	**1443.1**	**1491.7**	**1614.4**	**1695.2**	**1731.7**	**1768.9**	**1800.9**
of which: OECD	714.2	754.9	774.5	795.7	832.8	856.2	891.9	930.2	931.8	1021.3	1021.5	984.5	991.5	1061.5	1106.3	1097.7	1114.6	1144.1
Non-OECD	209.0	228.9	231.2	263.6	289.0	318.5	335.2	354.4	371.2	410.0	427.4	458.6	500.2	552.9	588.9	633.9	654.3	656.8
European Union #	216.4	235.0	227.1	230.3	225.7	239.3	236.6	248.2	247.4	267.1	268.7	235.7	311.5	303.6	318.2	301.7	298.2	293.4

Terawatt-hours	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Canada	266.0	286.1	303.6	310.6	316.2	307.4	290.4	295.7	307.3	315.2	322.2	327.9	334.1	354.6	348.7	330.9	345.0	356.8	331.5
Mexico	20.7	23.6	28.4	21.3	19.3	21.8	25.4	24.5	22.6	26.8	26.7	20.3	27.6	31.3	26.4	24.6	32.7	33.1	28.4
US	338.7	327.6	287.2	297.0	255.4	228.4	274.7	292.3	287.3	251.4	279.3	259.3	311.2	347.5	356.0	322.1	316.6	272.8	210.2
Total North America	**625.4**	**637.3**	**619.3**	**628.9**	**590.9**	**557.7**	**590.5**	**612.4**	**617.2**	**593.4**	**628.1**	**607.5**	**672.9**	**733.5**	**731.0**	**677.6**	**694.3**	**662.6**	**570.2**
Argentina	18.4	19.9	20.6	21.0	21.8	15.0	13.0	17.9	16.2	19.8	23.6	28.0	28.5	25.9	33.0	32.4	26.5	34.0	41.9
Brazil	151.5	166.6	178.4	182.4	185.6	199.1	204.7	206.7	217.8	223.3	235.1	242.7	253.9	265.8	279.0	291.5	293.0	304.4	267.9
Chile	9.6	10.0	11.1	11.8	12.8	12.6	10.5	8.9	13.1	16.7	17.2	17.0	18.4	16.9	18.9	15.9	13.6	19.1	21.7
Colombia	15.4	17.1	18.4	21.3	23.2	24.5	26.8	27.5	27.7	22.3	27.9	32.1	32.0	35.3	31.5	30.8	33.7	30.8	31.6
Ecuador	1.7	3.2	3.3	4.0	4.6	4.8	5.0	5.0	5.1	5.0	5.8	6.6	5.2	6.3	6.5	6.5	7.2	7.6	7.1
Peru	8.1	8.7	9.4	10.1	10.9	10.4	10.5	10.5	11.5	9.7	11.8	12.7	12.9	13.3	13.2	13.8	14.5	16.2	17.6
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	18.1	20.2	22.6	25.2	30.8	34.2	34.7	37.0	44.5	47.3	47.5	51.3	51.5	53.8	57.3	57.9	60.6	62.9	60.4
Central America	6.2	7.0	8.0	9.3	9.7	10.3	11.1	11.6	11.3	10.8	12.0	11.6	11.5	13.2	12.8	12.8	15.0	15.4	13.7
Other Caribbean	1.4	1.6	1.6	2.1	2.2	2.5	1.3	1.3	1.3	1.3	1.7	0.9	1.1	1.5	1.2	1.8	2.4	1.6	1.4
Other South America	6.8	7.2	10.1	18.8	24.7	25.6	29.6	34.6	36.9	36.6	40.6	45.6	50.8	53.6	60.5	63.1	60.7	63.7	58.1
Total S. & Cent. America	**237.1**	**261.6**	**283.5**	**306.0**	**326.5**	**339.0**	**347.1**	**361.0**	**385.4**	**392.8**	**423.1**	**448.4**	**465.7**	**485.7**	**513.9**	**526.6**	**527.3**	**555.7**	**521.4**
Austria	30.6	26.8	30.8	30.9	35.4	35.3	35.1	31.5	31.4	34.8	36.7	35.7	37.1	34.2	36.1	37.2	40.7	41.8	40.5
Belgium	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.5	0.4
Bulgaria	3.4	3.3	2.2	2.3	2.5	2.6	2.7	1.9	2.4	2.1	1.9	1.5	2.3	2.9	2.8	3.1	2.8	2.7	1.7
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.8	5.9	4.3	4.6	5.4	5.7	7.9	5.9	6.0	7.3	6.5	7.2
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	1.7	1.3	1.7	1.9	2.5	2.1	1.6	1.2	1.1	1.4	1.4	1.5	2.0	2.0	1.7	1.4	1.7	1.8	2.1
Denmark	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Estonia	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Finland	13.6	13.2	12.3	12.4	13.8	13.4	13.0	10.9	13.2	15.1	13.5	11.8	12.9	11.8	11.9	14.9	12.7	14.6	13.1
France	69.4	65.7	62.5	63.0	71.1	77.1	46.8	53.9	57.6	69.0	64.9	78.8	73.1	66.0	63.8	62.1	72.5	66.4	74.3
Germany	18.7	18.5	17.4	18.6	20.3	20.1	18.2	17.3	15.9	18.6	19.0	20.2	21.6	18.8	19.0	19.0	20.7	24.9	23.2
Greece	2.3	2.9	2.8	3.2	2.8	2.4	1.9	1.8	3.1	2.2	2.3	2.6	3.5	4.3	3.9	3.7	4.6	3.7	2.1
Hungary	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Iceland	3.6	3.7	3.7	3.8	3.9	4.2	4.2	4.2	4.2	4.3	4.5	4.5	4.7	4.8	5.2	5.6	6.0	6.4	6.6
Ireland	0.8	0.7	0.8	0.9	0.7	0.9	0.7	0.7	0.7	0.8	0.8	0.9	0.7	0.7	0.7	0.9	0.8	0.8	0.6
Italy	41.4	42.4	41.1	41.1	39.5	40.7	34.1	31.6	42.2	42.2	41.4	44.7	37.8	42.0	41.6	41.2	45.4	44.2	46.8
Latvia	n/a	n/a	3.0	3.0	3.7	3.0	3.6	4.5	3.3	2.5	2.9	3.3	2.9	1.9	3.0	4.3	2.8	2.8	2.8
Lithuania	n/a	n/a	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.3
Luxembourg	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Netherlands	-	-	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.5	0.8	0.8	0.5	0.7	0.8	0.9	0.9	1.1	1.4	1.2	0.6
Norway	105.7	105.9	102.4	96.2	103.3	108.9	118.4	121.1	110.1	116.7	119.2	111.6	121.5	103.9	109.8	115.7	121.5	141.8	120.5
Poland	1.7	1.4	1.9	1.5	1.7	1.8	1.6	1.4	1.4	1.5	1.5	1.7	1.9	1.9	2.0	2.3	2.2	2.1	2.3
Portugal	8.0	9.8	10.7	8.5	9.2	12.2	5.8	9.2	9.0	4.6	8.5	10.7	8.3	14.8	13.1	13.0	7.3	11.3	14.0
Romania	10.0	11.3	12.7	10.8	11.2	14.8	13.7	11.4	14.6	11.7	12.8	13.0	16.7	15.8	17.5	18.9	18.3	14.8	14.9
Slovakia	1.8	1.6	2.1	1.7	1.9	1.8	2.0	1.9	1.4	1.9	3.5	4.4	4.9	4.2	4.1	4.3	4.5	4.6	4.9
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.0	3.6	3.4	3.0	3.4	3.3	3.7	3.1	3.5	3.7	3.8	3.8
Spain	27.0	31.5	31.3	26.5	27.4	35.2	19.3	25.4	27.3	18.9	24.4	28.2	23.1	39.8	34.8	34.0	22.9	29.6	41.0
Sweden	63.5	67.9	71.0	60.9	71.9	69.9	71.8	72.5	63.2	74.4	74.6	59.1	68.1	51.7	69.1	74.7	71.7	78.6	79.1
Switzerland	35.1	29.9	32.1	32.9	34.7	35.8	29.8	29.8	32.1	32.7	35.8	39.1	35.2	28.7	34.0	33.5	40.0	36.8	41.3
Turkey	11.3	13.4	12.0	11.9	18.6	28.9	17.9	23.1	22.7	26.6	34.0	30.6	35.5	40.5	39.8	42.2	34.7	30.9	24.0
Ukraine	n/a	n/a	10.7	10.7	9.6	11.9	10.1	10.5	11.7	7.9	11.0	12.1	10.0	8.6	9.9	15.7	14.3	11.3	12.0
United Kingdom	4.5	4.5	4.0	4.8	4.2	4.9	4.8	5.1	4.5	5.3	4.3	5.1	4.7	3.4	4.4	5.1	5.3	5.1	4.1
Other Europe	25.2	28.8	33.0	37.5	38.7	38.7	35.6	23.3	28.5	24.7	22.6	25.5	25.6	31.9	29.0	29.2	31.4	28.1	27.2
Total Europe	**480.1**	**485.2**	**503.0**	**486.1**	**529.5**	**567.5**	**493.8**	**502.5**	**513.1**	**529.7**	**550.5**	**557.2**	**564.9**	**548.1**	**567.7**	**593.9**	**598.2**	**617.7**	**612.0**
Azerbaijan	n/a	n/a	1.3	0.8	0.8	0.7	0.7	1.7	1.8	1.7	2.4	1.8	1.6	1.5	1.7	2.0	1.5	1.5	1.3
Belarus	n/a	n/a	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Kazakhstan	n/a	n/a	5.2	4.8	5.7	7.0	7.3	7.4	7.2	6.9	7.6	9.2	8.3	7.3	6.5	6.1	6.1	7.5	8.1
Russian Federation	n/a	n/a	159.7	164.3	162.5	160.9	159.7	166.8	168.1	172.6	174.3	175.9	176.3	154.3	157.4	158.5	160.5	164.1	173.9
Turkmenistan	n/a	n/a	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
USSR	180.4	203.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	5.4	4.6	6.8	7.2	5.5	6.6	6.0	6.3	7.4	7.2	6.2	6.5	5.8	5.8	5.7	5.9	6.0
Other CIS	n/a	n/a	22.4	20.6	21.1	29.1	25.9	28.7	28.4	28.5	30.9	32.2	28.0	29.1	26.4	26.0	29.3	29.4	28.0
Total CIS	**180.4**	**203.0**	**194.1**	**195.2**	**197.0**	**204.9**	**199.2**	**211.2**	**211.5**	**216.0**	**222.6**	**226.3**	**220.3**	**198.8**	**197.9**	**198.3**	**203.2**	**208.4**	**217.3**
Iran	6.3	5.9	5.9	7.1	7.8	8.2	6.7	7.4	5.6	9.2	10.5	6.9	8.3	8.8	5.9	7.5	5.1	3.8	4.1
Iraq	0.6	0.6	0.6	0.6	2.6	2.6	2.6	4.7	2.1	5.2	6.2	6.2	7.1	6.5	6.6	6.2	3.6	3.2	3.7
Israel	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	3.4	3.9	3.9	3.4	3.5	3.4	3.3	3.2	3.3	3.4	3.3	3.4	3.2	3.4	3.4	3.5	3.1	3.7	3.8
Total Middle East	**10.2**	**10.4**	**10.4**	**11.1**	**13.9**	**14.3**	**12.6**	**15.3**	**11.0**	**17.8**	**20.0**	**16.5**	**18.7**	**18.7**	**15.9**	**17.2**	**11.8**	**10.7**	**11.6**
Algeria	0.2	0.5	0.6	0.3	0.5	0.2	0.2	0.1	0.3	0.2	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1
Egypt	9.8	9.6	9.1	9.0	9.0	8.8	9.5	10.0	9.9	9.8	10.1	10.7	11.2	11.5	11.8	12.1	13.4	14.2	14.4
Morocco	0.5	0.4	0.5	0.6	0.8	0.9	1.2	1.2	1.2	1.0	0.4	0.8	0.6	2.0	2.1	1.8	0.8	0.7	0.9
South Africa	0.6	0.6	0.6	1.6	1.6	3.2	2.8	1.0	2.0	0.8	0.1	1.1	0.5	1.3	2.1	1.6	0.7	1.1	1.7
Eastern Africa	19.4	18.9	19.7	18.8	16.4	18.6	18.0	21.3	21.7	19.6	20.5	20.7	20.9	20.7	21.8	27.9	29.4	30.9	35.0
Middle Africa	7.7	8.1	9.1	9.4	9.5	9.6	11.4	10.3	10.0	10.8	10.2	9.7	10.8	10.9	10.1	9.9	10.3	11.4	11.6
Western Africa	5.7	5.1	8.2	10.0	9.8	10.8	11.7	11.9	13.9	14.3	13.7	13.5	14.2	14.7	15.0	11.9	14.0	15.0	15.3
Other Northern Africa	^	0.1	0.1	0.1	0.1	^	^	^	0.1	0.1	0.1	^	^	0.1	^	0.1	0.1	0.1	0.1
Other Southern Africa	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.3	1.5	1.4	1.2	0.9	1.3	1.1	0.8	1.2	1.7	2.0	1.8
Total Africa	**45.2**	**44.5**	**49.4**	**51.1**	**49.1**	**53.6**	**56.3**	**57.3**	**60.7**	**57.9**	**56.7**	**57.6**	**59.8**	**62.3**	**63.9**	**66.7**	**70.7**	**75.2**	**80.9**
Australia	12.1	13.1	13.9	14.0	13.6	14.3	14.3	14.8	15.7	15.9	16.4	16.2	15.6	16.0	16.0	15.8	16.3	16.5	16.1
Bangladesh	0.7	0.9	0.7	0.5	0.5	0.7	0.9	0.9	0.8	0.8	0.6	0.8	0.4	0.7	0.7	0.9	0.8	0.7	1.0
China	86.4	86.8	92.4	94.5	100.0	109.2	118.4	126.7	124.7	130.7	151.8	167.4	190.6	188.0	196.0	198.9	196.6	222.4	277.4
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	48.0	53.7	51.8	52.6	49.0	54.6	63.4	66.4	73.9	70.1	70.7	80.2	75.9	69.1	70.2	83.6	82.2	77.0	72.0
Indonesia	2.1	2.3	2.8	4.5	4.6	5.0	6.3	6.5	7.4	9.6	8.9	8.0	8.3	8.8	5.9	10.4	10.4	10.0	11.7
Japan	84.3	71.6	82.9	80.8	74.8	90.3	91.7	86.9	94.4	80.0	92.6	64.5	78.8	77.2	86.4	89.1	83.8	84.5	81.5
Malaysia	1.7	3.5	3.8	4.1	5.0	5.7	5.3	4.0	4.4	4.3	4.9	6.5	6.2	5.2	4.2	4.5	7.6	7.0	6.1
New Zealand	19.8	20.4	19.7	22.1	21.9	23.0	22.6	23.2	22.9	21.1	23.5	25.8	27.5	26.2	23.3	25.3	22.9	24.4	21.7
Pakistan	12.1	12.5	13.0	12.5	16.4	17.2	17.4	17.1	18.3	19.9	21.9	21.5	22.7	24.8	18.4	24.1	21.5	17.6	18.3
Philippines	4.0	5.3	5.6	6.0	5.2	6.3	6.5	6.1	5.1	4.4	5.0	5.9	6.2	7.0	6.1	5.1	7.8	7.8	7.1
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	2.3	2.0	3.2	3.1	4.0	2.0	3.0	4.7	3.5	3.1	4.2	2.3	2.8	2.4	2.8	4.3	4.2	4.0	2.3
Sri Lanka	1.2	2.1	2.4	2.6	2.2	2.6	2.8	3.1	3.1	2.9	3.8	4.1	4.5	3.3	3.4	3.9	4.2	3.2	3.1
Taiwan	5.0	4.4	6.0	6.1	5.5	4.7	4.9	6.4	3.9	6.6	4.1	5.1	4.8	4.7	5.2	6.2	5.1	4.6	5.1
Thailand	3.7	4.1	3.7	5.5	4.1	3.7	5.5	4.9	4.5	4.2	3.6	4.4	6.6	7.2	7.1	5.1	3.4	5.9	6.2
Vietnam	1.2	1.6	1.5	1.4	1.4	1.8	3.8	5.4	6.3	7.2	8.0	9.2	10.6	12.0	11.7	11.1	13.8	14.6	18.2
Other Asia Pacific	14.8	15.2	16.7	17.8	18.8	20.8	21.3	22.3	21.5	20.6	20.2	21.4	21.8	20.8	18.5	18.5	19.7	21.5	22.6
Total Asia Pacific	**299.3**	**299.4**	**320.0**	**328.2**	**326.9**	**361.8**	**388.0**	**399.3**	**410.5**	**401.5**	**440.3**	**443.3**	**483.4**	**473.4**	**475.9**	**506.7**	**500.2**	**521.7**	**570.5**
Total World	**1877.8**	**1941.4**	**1979.8**	**2006.6**	**2033.7**	**2098.7**	**2087.6**	**2158.9**	**2209.4**	**2209.1**	**2341.2**	**2356.9**	**2485.6**	**2520.5**	**2566.1**	**2586.9**	**2605.7**	**2652.0**	**2583.9**
of which: OECD	1194.9	1196.2	1194.4	1185.5	1185.5	1199.3	1164.3	1202.0	1215.9	1208.5	1279.1	1232.2	1319.9	1352.3	1380.3	1347.9	1357.8	1364.3	1261.9
Non-OECD	682.8	745.2	785.4	821.0	848.2	899.4	923.3	956.9	993.5	1000.6	1062.2	1124.7	1165.8	1168.2	1185.8	1239.1	1247.9	1287.6	1322.0
European Union #	299.2	303.4	309.1	293.1	320.8	339.1	277.7	289.9	303.0	316.0	322.9	333.1	331.6	328.8	339.1	350.8	348.9	361.3	379.8

Terawatt-hours	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	349.3	336.1	338.4	362.0	352.9	367.6	377.5	368.7	351.4	375.7	380.3	391.8	382.5	382.2	385.4	394.6	385.9	**382.0**	-1.0%	0.2%	9.0%
Mexico	24.9	19.9	25.2	27.7	30.4	27.3	39.2	26.7	37.2	36.3	31.9	28.0	38.9	30.9	30.7	31.8	32.5	**23.8**	-26.8%	-1.9%	0.6%
US	258.2	270.0	262.6	266.4	285.5	243.0	251.1	271.5	257.3	316.1	274.0	266.5	255.8	246.5	263.8	296.8	289.5	**271.2**	-6.3%	1.4%	6.4%
Total North America	**632.3**	**626.0**	**626.1**	**656.1**	**668.9**	**638.0**	**667.8**	**666.9**	**645.8**	**728.1**	**686.2**	**686.4**	**677.1**	**659.5**	**679.9**	**723.2**	**707.9**	**676.9**	**-4.4%**	**0.6%**	**16.0%**
Argentina	41.5	39.1	35.4	39.4	43.6	37.7	37.2	40.8	40.5	39.6	36.9	40.7	40.9	41.8	38.3	41.5	41.6	**37.1**	-11.0%	1.1%	0.9%
Brazil	286.1	305.6	320.8	337.5	348.8	374.0	369.6	391.0	403.3	428.3	415.3	391.0	373.4	359.7	380.9	370.9	389.0	**399.3**	2.7%	0.5%	9.5%
Chile	23.2	22.6	21.0	25.6	28.2	22.3	24.3	25.2	21.8	20.5	20.2	19.9	23.0	23.6	19.7	21.3	23.4	**20.9**	-10.8%	-0.4%	0.5%
Colombia	34.0	36.2	38.3	39.2	42.6	44.2	46.2	40.8	40.6	48.4	47.6	44.4	44.7	44.7	46.8	57.3	56.6	**51.5**	-9.0%	2.1%	1.2%
Ecuador	7.5	7.2	7.4	6.9	7.1	9.0	11.3	9.2	8.6	11.1	12.2	11.0	11.5	13.1	15.8	20.1	20.7	**24.7**	19.3%	6.2%	0.6%
Peru	18.0	18.5	17.5	18.0	19.6	19.5	19.1	19.9	20.1	21.6	22.0	22.3	22.2	23.7	23.8	29.1	30.7	**31.6**	2.8%	4.9%	0.7%
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Venezuela	59.5	60.5	70.1	77.1	81.4	83.0	86.7	85.8	76.7	83.2	81.7	83.4	78.7	73.4	61.7	59.3	57.0	**63.3**	11.0%	-4.1%	1.5%
Central America	14.5	15.1	16.0	17.1	18.0	17.9	20.1	18.8	21.2	20.9	22.3	21.9	21.5	22.5	22.9	27.2	27.0	**22.6**	-16.1%	3.0%	0.5%
Other Caribbean	1.7	2.2	2.3	2.6	2.5	2.3	2.1	2.2	2.1	2.1	2.4	2.5	1.8	1.4	1.9	2.7	2.4	**1.5**	-35.0%	1.2%	♦
Other South America	61.4	63.6	60.2	60.9	60.8	65.5	63.9	63.7	66.1	68.3	69.7	72.8	68.5	67.7	74.6	70.9	69.8	**62.3**	-10.9%	0.9%	1.5%
Total S. & Cent. America	**547.4**	**570.6**	**589.0**	**624.2**	**652.7**	**675.7**	**680.3**	**697.5**	**700.9**	**744.1**	**730.3**	**709.9**	**686.3**	**671.5**	**686.4**	**700.4**	**718.2**	**714.7**	**-0.5%**	**0.5%**	**16.9%**
Austria	40.2	33.2	36.8	37.1	35.7	37.1	38.3	40.9	38.4	34.2	43.8	42.0	41.0	37.1	39.8	38.3	37.6	**40.7**	8.2%	-0.2%	1.0%
Belgium	0.4	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.4	0.3	0.3	**0.3**	-5.5%	-2.6%	♦
Bulgaria	2.2	3.0	3.2	4.3	4.2	2.9	2.8	3.5	5.1	2.9	3.2	4.1	4.6	5.7	3.9	2.8	5.1	**3.4**	-33.5%	6.2%	0.1%
Croatia	5.9	5.5	7.6	7.0	6.6	4.7	5.8	7.4	9.1	5.0	4.8	8.6	9.0	6.4	6.9	5.3	7.7	**5.8**	-24.1%	2.9%	0.1%
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Czech Republic	2.5	1.4	2.0	2.4	2.6	2.1	2.0	2.4	2.8	2.1	2.2	2.9	1.9	1.8	2.0	1.9	1.6	**2.0**	23.2%	-2.2%	♦
Denmark	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	14.0%	-5.4%	♦
Estonia	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	6.5%	-6.1%	♦
Finland	10.7	9.6	15.0	13.6	11.4	14.1	17.1	12.7	12.9	12.4	16.8	12.8	13.4	16.8	15.8	14.8	13.1	**12.3**	-6.5%	-2.6%	0.3%
France	60.4	58.9	59.6	51.5	56.3	57.6	63.7	57.0	62.7	44.8	58.7	70.7	62.8	54.4	60.0	49.2	63.9	**58.5**	-8.5%	♦	1.4%
Germany	23.7	17.7	20.1	19.6	20.0	21.2	20.4	19.0	21.0	17.7	22.1	23.0	19.6	19.0	20.5	20.2	18.0	**20.2**	12.3%	-1.3%	0.5%
Greece	2.8	4.8	4.7	5.0	5.9	2.6	3.3	5.4	7.5	4.0	4.4	6.3	4.5	6.1	5.5	4.0	5.7	**4.0**	-30.3%	5.7%	0.1%
Hungary	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	**0.2**	-0.9%	0.4%	♦
Iceland	7.0	7.1	7.1	7.0	7.3	8.4	12.4	12.3	12.6	12.5	12.3	12.9	12.9	13.8	13.5	14.1	13.8	**13.5**	-2.6%	1.1%	0.3%
Ireland	0.9	0.6	0.6	0.6	0.7	0.7	1.0	0.9	0.6	0.7	0.8	0.6	0.7	0.8	0.7	0.7	0.7	**0.9**	27.7%	-3.3%	♦
Italy	39.5	36.7	42.3	36.1	37.0	32.8	41.6	49.1	51.1	45.8	41.9	52.8	58.5	44.1	40.6	34.4	47.1	**45.1**	-4.1%	1.2%	1.1%
Latvia	2.5	2.3	3.1	3.3	2.7	2.7	3.1	3.5	3.5	2.9	3.7	2.9	2.0	1.9	2.5	4.4	2.4	**2.1**	-13.3%	-2.4%	♦
Lithuania	0.4	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.3	0.5	0.6	0.5	**0.3**	-23.1%	1.1%	♦
Luxembourg	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	14.4%	-3.5%	♦
Netherlands	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	2.5%	-3.2%	♦
North Macedonia	0.8	1.4	1.5	1.5	1.7	1.0	0.8	1.3	2.4	1.4	1.0	1.6	1.2	1.9	1.9	1.1	1.8	**1.2**	-35.0%	7.9%	♦
Norway	129.4	105.5	108.8	135.7	119.4	133.7	139.0	125.3	116.8	120.3	141.7	128.2	135.4	137.3	142.4	142.0	139.0	**125.3**	-9.9%	♦	3.0%
Poland	2.3	1.7	2.1	2.2	2.0	2.4	2.2	2.4	2.9	2.3	2.0	2.4	2.2	1.8	2.1	2.6	2.0	**2.0**	-0.8%	-0.9%	♦
Portugal	7.8	15.7	9.9	4.7	10.9	10.0	6.8	8.3	16.1	11.5	5.6	13.7	15.6	8.7	15.7	5.9	12.4	**8.7**	-29.5%	6.2%	0.2%
Romania	16.0	13.3	16.5	20.2	18.4	16.0	17.2	15.5	19.9	14.7	12.1	14.8	18.5	16.6	18.0	14.5	17.7	**15.4**	-12.6%	0.3%	0.4%
Slovakia	5.3	3.3	4.0	4.5	4.3	4.3	4.1	4.4	5.1	3.6	4.0	4.7	4.3	4.1	4.3	4.3	3.6	**4.2**	18.3%	-1.3%	0.1%
Slovenia	3.3	3.0	4.1	3.5	3.6	3.3	4.0	4.7	4.5	3.6	3.9	4.6	6.1	3.8	4.5	3.9	4.7	**4.4**	-6.6%	1.6%	0.1%
Spain	22.9	41.1	31.7	17.9	25.9	27.2	23.5	26.4	42.0	30.6	20.5	36.8	39.2	28.1	36.4	18.5	34.8	**25.2**	-27.5%	4.0%	0.6%
Sweden	66.4	53.5	60.6	72.7	61.6	66.2	69.0	65.4	66.4	67.1	78.9	61.4	63.8	75.3	62.0	65.0	62.1	**65.7**	5.9%	-1.1%	1.6%
Switzerland	35.2	34.8	33.8	31.2	31.0	35.3	36.0	35.7	36.1	32.4	38.6	38.5	38.0	38.3	34.6	34.1	34.6	**34.7**	0.3%	-0.4%	0.8%
Turkey	33.7	35.3	46.1	39.6	44.2	35.9	33.3	36.0	51.8	52.3	57.9	59.4	40.6	67.1	67.2	58.2	59.9	**89.2**	48.8%	6.1%	2.1%
Ukraine	9.6	9.2	11.8	12.4	12.9	10.1	11.5	11.9	13.2	10.9	10.5	13.8	8.5	5.4	7.7	8.9	10.4	**6.8**	-34.5%	-1.0%	0.2%
United Kingdom	4.8	3.2	4.8	4.9	4.6	5.1	5.1	5.2	3.6	5.7	5.3	4.7	5.9	6.3	5.6	5.9	5.5	**6.0**	9.0%	0.6%	0.1%
Other Europe	27.2	27.0	31.3	32.0	29.9	25.5	27.5	31.9	40.6	26.9	27.6	36.0	32.6	32.3	35.7	28.8	38.8	**34.1**	-12.2%	3.5%	0.8%
Total Europe	**563.9**	**529.6**	**570.2**	**571.7**	**561.9**	**564.0**	**593.0**	**589.7**	**649.8**	**569.6**	**625.8**	**661.6**	**644.1**	**635.9**	**651.4**	**584.8**	**645.3**	**632.5**	**-2.0%**	**0.8%**	**15.0%**
Azerbaijan	2.0	2.5	2.8	3.0	2.5	2.4	2.2	2.3	3.4	2.7	1.8	1.5	1.3	1.6	2.0	1.7	1.8	**1.6**	-11.5%	-2.3%	♦
Belarus	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.4	0.3	**0.3**	-	23.6%	♦
Kazakhstan	8.9	8.6	8.1	7.9	7.8	8.2	7.5	6.9	8.0	7.9	7.6	7.7	8.3	9.3	11.6	11.2	10.4	**10.0**	-3.8%	3.4%	0.2%
Russian Federation	162.2	155.7	175.7	172.6	173.3	177.0	164.8	174.2	166.5	163.1	163.5	181.2	173.4	168.0	184.6	185.2	190.6	**194.4**	2.0%	1.5%	4.6%
Turkmenistan	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	-	♦
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	6.2	7.2	6.5	6.9	5.8	6.5	4.4	6.5	8.2	5.7	6.4	6.3	6.2	6.0	7.3	8.4	5.9	**6.5**	10.2%	3.0%	0.2%
Other CIS	28.0	31.8	32.8	33.1	32.6	33.3	28.8	28.4	30.6	33.4	33.7	32.7	31.9	30.4	30.7	33.9	35.3	**35.6**	0.8%	2.1%	0.8%
Total CIS	**207.3**	**205.7**	**225.8**	**223.5**	**222.0**	**227.4**	**207.7**	**218.3**	**216.8**	**212.7**	**213.0**	**229.4**	**221.1**	**215.4**	**236.3**	**240.8**	**244.3**	**248.4**	**1.7%**	**1.6%**	**5.9%**
Iran	8.0	9.6	11.9	14.4	18.5	18.0	7.4	6.7	10.3	10.7	12.5	14.6	14.5	13.3	15.4	17.2	11.4	**29.0**	154.3%	4.4%	0.7%
Iraq	4.6	4.8	5.7	4.9	5.0	4.6	2.9	2.8	3.6	3.4	4.4	4.6	2.8	2.5	3.4	2.2	1.8	**2.5**	36.3%	-4.7%	0.1%
Israel	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	3.8%	♦
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other Middle East	4.2	4.1	5.4	4.5	4.7	4.2	3.3	2.5	3.5	4.1	4.5	4.2	2.6	0.9	1.4	1.4	1.3	**1.8**	44.0%	-9.1%	♦
Total Middle East	**16.8**	**18.5**	**23.1**	**23.9**	**28.3**	**26.7**	**13.7**	**12.1**	**17.4**	**18.3**	**21.4**	**23.5**	**19.9**	**16.8**	**20.2**	**20.8**	**14.5**	**33.3**	**129.5%**	**0.6%**	**0.8%**
Algeria	0.1	0.3	0.3	0.6	0.2	0.2	0.3	0.3	0.2	0.4	0.4	0.1	0.2	0.1	0.1	0.1	0.1	**0.2**	29.5%	-8.5%	♦
Egypt	14.0	12.9	12.8	12.6	12.8	14.2	15.1	13.8	13.0	13.0	13.0	13.2	13.6	13.7	13.5	13.1	13.4	**13.4**	0.2%	-1.2%	0.3%
Morocco	0.8	1.4	1.6	1.0	1.0	0.9	0.9	2.6	3.5	2.0	1.6	2.8	1.6	1.9	1.3	1.2	1.7	**1.3**	-25.4%	6.3%	♦
South Africa	2.1	0.8	0.9	1.3	2.9	2.9	1.3	1.5	1.1	3.1	1.0	1.1	1.8	0.8	0.7	0.9	0.8	**0.8**	-	-4.9%	♦
Eastern Africa	38.0	38.4	39.0	40.3	42.6	46.4	45.8	48.0	54.0	55.6	58.1	61.8	66.0	65.3	61.8	64.1	67.3	**68.9**	2.3%	3.9%	1.6%
Middle Africa	11.7	12.1	14.0	14.5	15.6	15.1	16.2	16.1	16.8	17.1	16.9	19.4	20.4	20.7	21.3	24.4	26.2	**27.4**	4.7%	4.9%	0.6%
Western Africa	16.4	14.8	16.8	16.4	14.9	13.3	15.5	15.2	16.8	17.0	17.4	17.2	17.8	15.0	15.1	17.9	19.1	**19.1**	0.1%	2.1%	0.5%
Other Northern Africa	0.1	0.2	0.2	0.1	0.1	^	^	0.1	^	0.1	0.1	0.1	0.1	0.1	^	^	^	**0.1**	299.3%	-8.0%	♦
Other Southern Africa	2.0	2.0	1.9	2.3	2.1	2.2	2.1	2.2	2.0	2.2	2.4	2.0	2.3	2.3	2.0	2.2	1.9	**1.7**	-7.1%	-1.0%	♦
Total Africa	**85.2**	**82.9**	**87.4**	**89.1**	**92.2**	**95.3**	**97.2**	**99.8**	**107.4**	**110.4**	**111.0**	**117.7**	**123.7**	**119.9**	**115.8**	**123.8**	**130.4**	**132.7**	**1.8%**	**3.0%**	**3.1%**
Australia	16.1	16.2	15.7	15.5	14.9	13.0	11.8	12.6	13.7	19.6	17.0	19.1	14.5	14.1	17.6	13.5	17.4	**14.3**	-17.6%	3.9%	0.3%
Bangladesh	0.7	0.7	0.7	0.7	0.7	0.7	1.0	0.4	0.7	0.9	0.8	0.7	0.6	0.9	0.9	1.0	0.9	**0.8**	-4.9%	-0.9%	♦
China	288.0	283.7	353.5	397.0	435.8	485.3	637.0	615.6	711.4	688.0	862.8	909.6	1059.7	1114.5	1153.3	1165.1	1198.9	**1269.7**	5.9%	6.5%	30.1%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
India	68.5	69.3	100.6	97.4	112.6	122.6	115.2	106.3	108.7	131.7	115.8	132.0	139.0	133.3	128.4	135.8	139.6	**161.8**	15.9%	1.9%	3.8%
Indonesia	9.9	9.1	9.7	10.7	9.6	11.3	11.5	11.4	17.5	12.4	12.8	16.9	15.2	13.7	18.7	18.6	16.8	**17.0**	1.0%	3.9%	0.4%
Japan	80.6	92.5	91.7	77.6	88.8	74.5	75.2	70.5	88.5	82.5	77.1	79.3	81.7	85.8	74.1	79.2	81.0	**73.9**	-8.7%	0.8%	1.8%
Malaysia	5.4	5.1	5.6	6.0	6.3	6.0	7.8	6.9	6.4	8.1	9.3	11.8	13.4	13.9	20.0	26.8	26.5	**27.0**	2.2%	13.0%	0.6%
New Zealand	24.9	23.6	27.2	23.3	23.6	23.6	22.3	24.2	24.7	25.1	22.9	23.0	24.3	24.5	25.9	25.2	26.3	**25.6**	-2.7%	1.6%	0.6%
Pakistan	20.4	24.6	26.2	30.7	30.3	31.7	27.3	28.7	29.8	30.6	10.7	49.7	32.3	32.8	34.6	30.6	29.1	**35.6**	22.3%	0.6%	0.8%
Philippines	7.0	7.9	8.6	8.4	9.9	8.6	9.8	9.8	7.8	9.7	10.3	10.0	9.1	8.7	8.1	9.6	9.4	**9.7**	2.9%	-0.5%	0.2%
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Korea	3.2	4.9	4.3	3.7	3.5	3.6	3.1	2.8	3.7	4.6	4.0	4.3	2.8	2.1	2.8	2.8	3.4	**2.8**	-17.4%	0.9%	0.1%
Sri Lanka	2.7	3.3	3.0	3.5	4.6	4.0	4.1	3.9	5.6	4.6	3.3	6.9	4.6	6.0	4.2	4.0	6.4	**4.8**	-24.9%	4.5%	0.1%
Taiwan	2.8	3.0	3.2	4.0	4.1	4.4	4.3	3.7	4.2	4.0	5.7	5.4	4.3	4.5	6.6	5.4	4.5	**5.5**	24.1%	0.4%	0.1%
Thailand	7.4	7.2	5.9	5.7	8.0	8.0	7.0	7.0	5.3	7.9	8.4	5.4	5.2	3.8	3.5	4.7	7.6	**6.3**	-16.9%	0.9%	0.1%
Vietnam	18.2	19.0	17.8	16.5	19.7	22.4	26.0	30.0	28.5	41.1	53.3	57.8	62.2	57.2	66.0	88.8	84.5	**65.6**	-22.4%	12.5%	1.6%
Other Asia Pacific	23.0	24.2	25.4	27.2	29.2	32.5	34.4	34.2	41.0	47.0	47.8	53.5	53.2	49.9	58.1	60.7	58.7	**63.2**	7.6%	5.5%	1.5%
Total Asia Pacific	**578.9**	**594.4**	**699.2**	**727.9**	**801.7**	**852.2**	**997.8**	**968.1**	**1097.7**	**1117.8**	**1262.0**	**1385.6**	**1521.9**	**1565.6**	**1623.0**	**1672.0**	**1710.9**	**1783.7**	**4.3%**	**5.5%**	**42.2%**
Total World	**2631.8**	**2627.6**	**2820.7**	**2916.4**	**3027.7**	**3079.3**	**3257.4**	**3252.5**	**3435.8**	**3501.1**	**3649.7**	**3814.0**	**3894.2**	**3884.6**	**4012.9**	**4065.9**	**4171.4**	**4222.2**	**1.2%**	**2.5%**	**100.0%**
of which: OECD	1282.6	1255.9	1284.3	1296.0	1316.1	1278.9	1331.8	1320.5	1357.9	1388.1	1394.0	1414.8	1393.1	1377.4	1397.4	1388.6	1423.0	**1380.2**	-3.0%	0.7%	32.7%
Non-OECD	1349.3	1371.7	1536.4	1620.4	1711.5	1800.4	1925.6	1932.0	2078.0	2113.0	2255.7	2399.3	2501.0	2507.3	2615.5	2677.2	2748.4	**2842.1**	3.4%	3.6%	67.3%
European Union #	321.2	309.2	329.8	312.3	315.6	314.1	332.4	335.4	376.5	312.8	336.1	371.3	374.8	339.8	348.4	297.6	346.9	**327.9**	-5.5%	0.4%	7.8%

* Based on gross primary hydroelectric generation and not accounting for cross-border electricity supply.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and shares of total are calculated using terawatt-hours figures.

Hydroelectricity: Consumption*

Contents

Exajoules	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Canada	1.18	1.31	1.34	1.36	1.51	1.58	1.62	1.82	1.95	2.11	2.02	2.13	2.20	2.35	2.44	2.51	2.66	2.58	2.66
Mexico	0.09	0.10	0.11	0.13	0.13	0.15	0.15	0.16	0.16	0.17	0.15	0.17	0.19	0.16	0.18	0.17	0.25	0.23	0.21
US	1.99	2.00	2.27	2.28	2.56	2.53	2.72	2.79	2.78	3.07	3.06	2.90	2.26	2.86	2.86	2.82	2.67	3.16	3.39
Total North America	**3.26**	**3.41**	**3.72**	**3.77**	**4.20**	**4.27**	**4.49**	**4.76**	**4.89**	**5.35**	**5.24**	**5.20**	**4.65**	**5.38**	**5.48**	**5.50**	**5.57**	**5.96**	**6.25**
Argentina	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.05	0.05	0.05	0.06	0.08	0.11	0.15	0.15	0.18	0.18
Brazil	0.26	0.28	0.29	0.31	0.33	0.40	0.43	0.51	0.58	0.66	0.72	0.83	0.93	1.03	1.17	1.29	1.31	1.41	1.51
Chile	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.10
Colombia	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.10	0.10	0.12	0.13	0.14	0.14	0.15	0.15
Ecuador	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Peru	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.06	0.08	0.09	0.11	0.12	0.12	0.14	0.15	0.15	0.16	0.18
Central America	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.06	0.06	0.06	0.06
Other Caribbean	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Other South America	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.05	0.05	0.07
Total S. & Cent. America	**0.41**	**0.46**	**0.49**	**0.52**	**0.56**	**0.66**	**0.73**	**0.83**	**0.93**	**1.07**	**1.16**	**1.29**	**1.43**	**1.58**	**1.80**	**2.01**	**2.04**	**2.20**	**2.37**
Austria	0.16	0.17	0.18	0.18	0.17	0.21	0.17	0.17	0.19	0.23	0.24	0.21	0.25	0.25	0.28	0.29	0.31	0.31	0.31
Belgium	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Bulgaria	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.04	0.03	0.03	0.04	0.04	0.03	0.03
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Denmark	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	0.09	0.10	0.12	0.10	0.09	0.10	0.11	0.10	0.11	0.13	0.12	0.09	0.12	0.10	0.11	0.10	0.14	0.13	0.14
France	0.47	0.52	0.45	0.50	0.53	0.57	0.49	0.49	0.48	0.56	0.60	0.49	0.76	0.68	0.66	0.70	0.72	0.71	0.69
Germany	0.16	0.18	0.17	0.17	0.14	0.18	0.13	0.13	0.15	0.18	0.17	0.14	0.18	0.18	0.18	0.19	0.20	0.20	0.19
Greece	0.01	0.02	0.02	0.01	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.03	0.03	0.04	0.02
Hungary	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Iceland	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04
Ireland	0.01	0.01	0.01	0.01	0.01	0.01	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Italy	0.43	0.44	0.42	0.43	0.41	0.40	0.39	0.41	0.38	0.38	0.41	0.39	0.51	0.45	0.46	0.45	0.43	0.41	0.41
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	0.49	0.49	0.53	0.60	0.57	0.58	0.63	0.67	0.73	0.77	0.77	0.82	0.72	0.81	0.89	0.84	0.93	0.92	1.06
Poland	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Portugal	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.06	0.05	0.10	0.11	0.11	0.08	0.05	0.07	0.08
Romania	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.07	0.08	0.08	0.09	0.08	0.09	0.11	0.11	0.13	0.13	0.12	0.10
Slovakia	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	0.20	0.27	0.23	0.24	0.31	0.28	0.32	0.35	0.29	0.31	0.26	0.21	0.40	0.40	0.46	0.30	0.22	0.26	0.27
Sweden	0.46	0.45	0.49	0.49	0.42	0.41	0.52	0.54	0.60	0.57	0.58	0.55	0.53	0.58	0.61	0.59	0.60	0.55	0.64
Switzerland	0.24	0.28	0.30	0.30	0.28	0.29	0.29	0.24	0.27	0.28	0.32	0.26	0.35	0.32	0.30	0.33	0.35	0.36	0.35
Turkey	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.08	0.09	0.09	0.10	0.11	0.13	0.14	0.11
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	0.05	0.05	0.05	0.04	0.03	0.05	0.03	0.03	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.05
Other Europe	0.09	0.10	0.11	0.12	0.15	0.15	0.17	0.19	0.18	0.22	0.21	0.23	0.27	0.28	0.29	0.32	0.29	0.27	0.25
Total Europe	**3.02**	**3.25**	**3.24**	**3.36**	**3.31**	**3.46**	**3.50**	**3.64**	**3.69**	**3.99**	**4.08**	**3.77**	**4.56**	**4.56**	**4.79**	**4.65**	**4.70**	**4.66**	**4.80**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	0.81	0.92	0.89	1.04	1.15	1.24	1.26	1.23	1.22	1.32	1.26	1.36	1.47	1.70	1.72	1.84	1.87	1.75	1.80
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**0.81**	**0.92**	**0.89**	**1.04**	**1.15**	**1.24**	**1.26**	**1.23**	**1.22**	**1.32**	**1.26**	**1.36**	**1.47**	**1.70**	**1.72**	**1.84**	**1.87**	**1.75**	**1.80**
Iran	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.06	0.05	0.06	0.06	0.06	0.06
Iraq	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.03
Total Middle East	**0.02**	**0.03**	**0.03**	**0.03**	**0.03**	**0.04**	**0.04**	**0.05**	**0.04**	**0.05**	**0.05**	**0.06**	**0.07**	**0.10**	**0.10**	**0.10**	**0.10**	**0.11**	**0.10**
Algeria	^	^	^	0.01	^	0.01	^	^	0.01	^	^	^	^	^	^	^	^	^	^
Egypt	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.06	0.07	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10
Morocco	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	^
South Africa	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
Eastern Africa	0.06	0.07	0.07	0.07	0.08	0.11	0.09	0.11	0.11	0.14	0.15	0.17	0.19	0.18	0.20	0.18	0.19	0.20	0.19
Middle Africa	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08
Western Africa	^	0.01	0.02	0.03	0.04	0.05	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.07	0.10	0.10	0.10	0.09	0.06
Other Northern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Other Southern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01
Total Africa	**0.14**	**0.16**	**0.16**	**0.19**	**0.22**	**0.28**	**0.26**	**0.30**	**0.31**	**0.36**	**0.38**	**0.42**	**0.46**	**0.46**	**0.50**	**0.48**	**0.50**	**0.50**	**0.45**
Australia	0.08	0.07	0.08	0.08	0.09	0.10	0.12	0.12	0.12	0.14	0.15	0.14	0.14	0.15	0.14	0.13	0.14	0.13	0.12
Bangladesh	-	-	-	-	-	-	-	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01
China	0.22	0.22	0.19	0.23	0.23	0.24	0.29	0.33	0.37	0.42	0.44	0.44	0.46	0.43	0.49	0.58	0.66	0.74	0.86
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	0.19	0.20	0.22	0.26	0.29	0.30	0.33	0.32	0.35	0.33	0.40	0.41	0.45	0.56	0.54	0.55	0.59	0.50	0.48
Indonesia	0.02	0.02	0.03	0.03	0.03	0.04	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02
Japan	0.76	0.79	0.69	0.73	0.75	0.75	0.84	0.85	0.67	0.83	0.83	0.84	0.73	0.70	0.81	0.88	0.88	0.82	0.84
Malaysia	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
New Zealand	0.10	0.11	0.11	0.12	0.12	0.13	0.14	0.15	0.15	0.15	0.17	0.15	0.15	0.16	0.18	0.19	0.20	0.18	0.20
Pakistan	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.08	0.08	0.09	0.09	0.10	0.12
Philippines	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.04	0.04	0.04	0.04
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.03	0.02	0.02
Sri Lanka	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
Taiwan	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.05	0.05	0.04	0.04	0.05	0.05	0.03	0.05	0.05	0.05
Thailand	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.03	0.02	0.03	0.01	0.03	0.04	0.04
Vietnam	^	^	^	^	0.01	0.01	0.01	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
Other Asia Pacific	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.15	0.15
Total Asia Pacific	**1.56**	**1.62**	**1.53**	**1.68**	**1.74**	**1.81**	**1.99**	**2.05**	**1.94**	**2.18**	**2.32**	**2.33**	**2.27**	**2.37**	**2.57**	**2.73**	**2.90**	**2.83**	**2.99**
Total World	**9.23**	**9.84**	**10.06**	**10.59**	**11.22**	**11.75**	**12.27**	**12.85**	**13.03**	**14.31**	**14.49**	**14.43**	**14.92**	**16.14**	**16.95**	**17.32**	**17.69**	**18.01**	**18.78**
of which: OECD	7.14	7.55	7.75	7.96	8.33	8.56	8.92	9.30	9.32	10.21	10.21	9.85	9.91	10.61	11.06	10.98	11.15	11.44	11.95
Non-OECD	2.09	2.29	2.31	2.64	2.89	3.18	3.35	3.54	3.71	4.10	4.27	4.59	5.00	5.53	5.89	6.34	6.54	6.57	6.83
European Union #	2.16	2.35	2.27	2.30	2.26	2.39	2.37	2.48	2.47	2.67	2.69	2.36	3.12	3.04	3.18	3.02	2.98	2.93	2.99

Exajoules	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Canada	2.86	3.04	3.11	3.16	3.07	2.90	2.96	3.07	3.15	3.22	3.28	3.34	3.55	3.49	3.31	3.45	3.57	3.29	3.45	3.30	3.30
Mexico	0.24	0.28	0.21	0.19	0.22	0.25	0.24	0.23	0.27	0.27	0.20	0.28	0.31	0.26	0.25	0.33	0.33	0.28	0.25	0.19	0.25
US	3.28	2.87	2.97	2.55	2.28	2.75	2.92	2.87	2.51	2.79	2.59	3.11	3.48	3.56	3.22	3.17	2.73	2.09	2.55	2.65	2.56
Total North America	**6.37**	**6.19**	**6.29**	**5.91**	**5.58**	**5.91**	**6.12**	**6.17**	**5.93**	**6.28**	**6.07**	**6.73**	**7.33**	**7.31**	**6.78**	**6.94**	**6.63**	**5.66**	**6.24**	**6.14**	**6.10**
Argentina	0.20	0.21	0.21	0.22	0.15	0.13	0.18	0.16	0.20	0.24	0.28	0.28	0.26	0.33	0.32	0.27	0.34	0.42	0.41	0.38	0.35
Brazil	1.67	1.78	1.82	1.86	1.99	2.05	2.07	2.18	2.23	2.35	2.43	2.54	2.66	2.79	2.91	2.93	3.04	2.66	2.82	3.00	3.13
Chile	0.10	0.11	0.12	0.13	0.13	0.11	0.09	0.13	0.17	0.17	0.17	0.18	0.17	0.19	0.16	0.14	0.19	0.22	0.23	0.22	0.20
Colombia	0.17	0.18	0.21	0.23	0.25	0.27	0.27	0.28	0.22	0.28	0.32	0.32	0.35	0.31	0.31	0.34	0.31	0.31	0.34	0.35	0.37
Ecuador	0.03	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.05	0.06	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.07
Peru	0.09	0.09	0.10	0.11	0.10	0.11	0.10	0.11	0.10	0.12	0.13	0.13	0.13	0.13	0.14	0.15	0.16	0.18	0.18	0.18	0.17
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	0.20	0.23	0.25	0.31	0.34	0.35	0.37	0.45	0.47	0.47	0.51	0.51	0.54	0.57	0.58	0.61	0.63	0.60	0.59	0.59	0.68
Central America	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.11	0.13	0.13	0.13	0.15	0.15	0.14	0.14	0.15	0.16
Other Caribbean	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02
Other South America	0.07	0.10	0.19	0.25	0.26	0.30	0.35	0.37	0.37	0.41	0.46	0.51	0.54	0.61	0.63	0.61	0.64	0.58	0.61	0.62	0.59
Total S. & Cent. America	**2.62**	**2.84**	**3.06**	**3.26**	**3.39**	**3.47**	**3.61**	**3.85**	**3.93**	**4.23**	**4.48**	**4.66**	**4.86**	**5.14**	**5.27**	**5.27**	**5.56**	**5.18**	**5.40**	**5.60**	**5.74**
Austria	0.27	0.31	0.31	0.35	0.35	0.35	0.32	0.31	0.35	0.37	0.36	0.37	0.34	0.36	0.37	0.41	0.42	0.40	0.40	0.33	0.36
Belgium	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Bulgaria	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	0.04	0.06	0.04	0.05	0.05	0.06	0.08	0.06	0.06	0.07	0.06	0.07	0.06	0.05	0.07
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.02
Denmark	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Estonia	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
Finland	0.13	0.12	0.12	0.14	0.13	0.13	0.11	0.13	0.15	0.13	0.12	0.13	0.12	0.12	0.15	0.13	0.15	0.13	0.11	0.09	0.15
France	0.66	0.62	0.63	0.71	0.77	0.47	0.54	0.58	0.69	0.65	0.79	0.73	0.66	0.64	0.62	0.73	0.66	0.74	0.60	0.58	0.58
Germany	0.18	0.17	0.19	0.20	0.20	0.18	0.17	0.16	0.19	0.19	0.20	0.22	0.19	0.19	0.19	0.21	0.25	0.23	0.23	0.17	0.20
Greece	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.04	0.04	0.04	0.04	0.05	0.04	0.02	0.03	0.05	0.05
Hungary	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Iceland	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07
Ireland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Italy	0.42	0.41	0.41	0.40	0.41	0.34	0.32	0.42	0.42	0.41	0.45	0.38	0.42	0.42	0.41	0.45	0.44	0.47	0.39	0.36	0.41
Latvia	n/a	0.03	0.03	0.04	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.03	0.03	0.02	0.02	0.03
Lithuania	n/a	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Luxembourg	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Netherlands	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Norway	1.06	1.02	0.96	1.03	1.09	1.18	1.21	1.10	1.17	1.19	1.12	1.22	1.04	1.10	1.16	1.21	1.42	1.20	1.28	1.03	1.06
Poland	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Portugal	0.10	0.11	0.09	0.09	0.12	0.06	0.09	0.09	0.05	0.09	0.11	0.08	0.15	0.13	0.13	0.07	0.11	0.14	0.08	0.15	0.10
Romania	0.11	0.13	0.11	0.11	0.15	0.14	0.11	0.15	0.12	0.13	0.13	0.17	0.16	0.18	0.19	0.18	0.15	0.15	0.16	0.13	0.16
Slovakia	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.03	0.04	0.05	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.04
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.04
Spain	0.31	0.31	0.26	0.27	0.35	0.19	0.25	0.27	0.19	0.24	0.28	0.23	0.40	0.35	0.34	0.23	0.30	0.41	0.23	0.40	0.31
Sweden	0.68	0.71	0.61	0.72	0.70	0.72	0.73	0.63	0.74	0.75	0.59	0.68	0.52	0.69	0.75	0.72	0.79	0.79	0.66	0.53	0.59
Switzerland	0.30	0.32	0.33	0.35	0.36	0.30	0.30	0.32	0.33	0.36	0.39	0.35	0.29	0.34	0.33	0.40	0.37	0.41	0.35	0.34	0.33
Turkey	0.13	0.12	0.12	0.19	0.29	0.18	0.23	0.23	0.27	0.34	0.31	0.36	0.40	0.40	0.42	0.35	0.31	0.24	0.33	0.35	0.45
Ukraine	n/a	0.11	0.11	0.10	0.12	0.10	0.11	0.12	0.08	0.11	0.12	0.10	0.09	0.10	0.16	0.14	0.11	0.12	0.10	0.09	0.11
United Kingdom	0.05	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.03	0.04	0.05	0.05	0.05	0.04	0.05	0.03	0.05
Other Europe	0.29	0.33	0.38	0.39	0.39	0.36	0.23	0.29	0.25	0.23	0.25	0.26	0.32	0.29	0.29	0.31	0.28	0.27	0.27	0.27	0.31
Total Europe	**4.85**	**5.03**	**4.86**	**5.30**	**5.67**	**4.94**	**5.02**	**5.13**	**5.30**	**5.50**	**5.57**	**5.65**	**5.48**	**5.68**	**5.94**	**5.98**	**6.18**	**6.08**	**5.57**	**5.19**	**5.56**
Azerbaijan	n/a	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.03
Belarus	n/a	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Kazakhstan	n/a	0.05	0.05	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.09	0.08	0.07	0.06	0.06	0.06	0.08	0.08	0.09	0.08	0.08
Russian Federation	n/a	1.60	1.64	1.63	1.61	1.60	1.67	1.68	1.73	1.74	1.76	1.76	1.54	1.57	1.58	1.60	1.64	1.73	1.60	1.53	1.71
Turkmenistan	n/a	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
USSR	2.03	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	0.05	0.05	0.07	0.07	0.06	0.07	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.06
Other CIS	n/a	0.22	0.21	0.21	0.29	0.26	0.29	0.28	0.28	0.31	0.32	0.28	0.29	0.26	0.26	0.29	0.29	0.28	0.28	0.31	0.32
Total CIS	**2.03**	**1.94**	**1.95**	**1.97**	**2.05**	**1.99**	**2.11**	**2.11**	**2.16**	**2.23**	**2.26**	**2.20**	**1.99**	**1.98**	**1.98**	**2.03**	**2.08**	**2.16**	**2.05**	**2.02**	**2.20**
Iran	0.06	0.06	0.07	0.08	0.08	0.07	0.07	0.06	0.09	0.11	0.07	0.08	0.09	0.06	0.07	0.05	0.04	0.04	0.08	0.09	0.12
Iraq	0.01	0.01	0.01	0.03	0.03	0.03	0.05	0.02	0.05	0.06	0.06	0.07	0.06	0.07	0.06	0.04	0.03	0.04	0.05	0.05	0.06
Israel	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.05
Total Middle East	**0.10**	**0.10**	**0.11**	**0.14**	**0.14**	**0.13**	**0.15**	**0.11**	**0.18**	**0.20**	**0.17**	**0.19**	**0.19**	**0.16**	**0.17**	**0.12**	**0.11**	**0.12**	**0.17**	**0.18**	**0.22**
Algeria	^	0.01	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Egypt	0.10	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.13	0.14	0.14	0.14	0.13	0.13
Morocco	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02
South Africa	0.01	0.01	0.02	0.02	0.03	0.03	0.01	0.02	0.01	^	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.02	0.02	0.01	0.01
Eastern Africa	0.19	0.20	0.19	0.16	0.19	0.18	0.21	0.22	0.20	0.21	0.21	0.21	0.21	0.22	0.28	0.29	0.31	0.35	0.38	0.38	0.38
Middle Africa	0.08	0.09	0.09	0.09	0.10	0.11	0.10	0.10	0.11	0.10	0.10	0.11	0.11	0.10	0.10	0.10	0.11	0.12	0.12	0.12	0.14
Western Africa	0.05	0.08	0.10	0.10	0.11	0.12	0.12	0.14	0.14	0.14	0.13	0.14	0.15	0.15	0.12	0.14	0.15	0.15	0.16	0.14	0.16
Other Northern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Other Southern Africa	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Total Africa	**0.44**	**0.49**	**0.51**	**0.49**	**0.54**	**0.56**	**0.57**	**0.61**	**0.58**	**0.57**	**0.58**	**0.60**	**0.62**	**0.64**	**0.67**	**0.71**	**0.75**	**0.80**	**0.84**	**0.81**	**0.85**
Australia	0.13	0.14	0.14	0.14	0.14	0.14	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15
Bangladesh	0.01	0.01	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
China	0.87	0.92	0.95	1.00	1.09	1.18	1.27	1.25	1.31	1.52	1.67	1.91	1.88	1.96	1.99	1.97	2.22	2.76	2.84	2.78	3.45
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	0.54	0.52	0.53	0.49	0.55	0.63	0.66	0.74	0.70	0.71	0.80	0.76	0.69	0.70	0.84	0.82	0.77	0.72	0.68	0.68	0.98
Indonesia	0.02	0.03	0.04	0.05	0.05	0.06	0.06	0.07	0.10	0.09	0.08	0.08	0.09	0.06	0.10	0.10	0.10	0.12	0.10	0.09	0.09
Japan	0.72	0.83	0.81	0.75	0.90	0.92	0.87	0.94	0.80	0.93	0.64	0.79	0.77	0.86	0.89	0.84	0.84	0.81	0.80	0.91	0.89
Malaysia	0.03	0.04	0.04	0.05	0.06	0.05	0.04	0.04	0.04	0.05	0.06	0.06	0.05	0.04	0.04	0.08	0.07	0.06	0.05	0.05	0.05
New Zealand	0.20	0.20	0.22	0.22	0.23	0.23	0.23	0.23	0.21	0.23	0.26	0.28	0.26	0.23	0.25	0.23	0.24	0.22	0.25	0.23	0.27
Pakistan	0.13	0.13	0.12	0.16	0.17	0.17	0.17	0.18	0.20	0.22	0.22	0.23	0.25	0.18	0.24	0.22	0.18	0.18	0.20	0.24	0.26
Philippines	0.05	0.06	0.06	0.05	0.06	0.06	0.06	0.05	0.04	0.05	0.06	0.06	0.07	0.06	0.05	0.08	0.08	0.07	0.07	0.08	0.08
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	0.02	0.03	0.03	0.04	0.02	0.03	0.05	0.03	0.03	0.04	0.02	0.03	0.02	0.03	0.04	0.04	0.04	0.02	0.03	0.05	0.04
Sri Lanka	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03
Taiwan	0.04	0.06	0.06	0.06	0.05	0.05	0.06	0.04	0.07	0.04	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.03	0.03	0.03
Thailand	0.04	0.04	0.06	0.04	0.04	0.06	0.05	0.05	0.04	0.04	0.04	0.07	0.07	0.07	0.05	0.03	0.06	0.06	0.07	0.07	0.06
Vietnam	0.02	0.01	0.01	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.12	0.12	0.11	0.14	0.15	0.18	0.18	0.19	0.17
Other Asia Pacific	0.15	0.17	0.18	0.19	0.21	0.21	0.22	0.22	0.21	0.20	0.21	0.22	0.21	0.19	0.19	0.20	0.22	0.22	0.23	0.24	0.25
Total Asia Pacific	**2.99**	**3.20**	**3.28**	**3.27**	**3.62**	**3.88**	**3.99**	**4.11**	**4.02**	**4.40**	**4.43**	**4.83**	**4.73**	**4.76**	**5.07**	**5.00**	**5.22**	**5.67**	**5.71**	**5.83**	**6.81**
Total World	**19.41**	**19.80**	**20.07**	**20.34**	**20.99**	**20.88**	**21.59**	**22.09**	**22.09**	**23.41**	**23.57**	**24.86**	**25.20**	**25.66**	**25.87**	**26.06**	**26.52**	**25.67**	**25.98**	**25.77**	**27.49**
of which: OECD	11.96	11.94	11.86	11.86	11.99	11.64	12.02	12.16	12.08	12.79	12.32	13.20	13.52	13.80	13.48	13.58	13.64	12.54	12.66	12.32	12.52
Non-OECD	7.45	7.85	8.21	8.48	8.99	9.23	9.57	9.93	10.01	10.62	11.25	11.66	11.68	11.86	12.39	12.48	12.88	13.13	13.32	13.45	14.97
European Union #	3.03	3.09	2.93	3.21	3.39	2.78	2.90	3.03	3.16	3.23	3.33	3.32	3.29	3.39	3.51	3.49	3.61	3.77	3.17	3.03	3.21

Exajoules	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	3.51	3.40	3.52	3.59	3.48	3.30	3.51	3.53	3.61	3.50	3.48	3.49	3.55	3.45	**3.41**	-1.4%	-0.4%	9.0%
Mexico	0.27	0.29	0.26	0.37	0.25	0.35	0.34	0.30	0.26	0.36	0.28	0.28	0.29	0.29	**0.21**	-27.0%	-2.5%	0.6%
US	2.58	2.75	2.32	2.39	2.56	2.41	2.95	2.54	2.46	2.34	2.24	2.39	2.67	2.59	**2.42**	-6.7%	0.8%	6.4%
Total North America	**6.35**	**6.44**	**6.10**	**6.35**	**6.30**	**6.06**	**6.79**	**6.36**	**6.33**	**6.20**	**6.01**	**6.16**	**6.51**	**6.33**	**6.03**	**-4.7%**	**♦**	**16.0%**
Argentina	0.38	0.42	0.36	0.35	0.39	0.38	0.37	0.34	0.38	0.37	0.38	0.35	0.37	0.37	**0.33**	-11.3%	0.5%	0.9%
Brazil	3.27	3.36	3.58	3.51	3.69	3.79	4.00	3.85	3.60	3.42	3.28	3.45	3.34	3.48	**3.56**	2.3%	-0.1%	9.5%
Chile	0.25	0.27	0.21	0.23	0.24	0.20	0.19	0.19	0.18	0.21	0.22	0.18	0.19	0.21	**0.19**	-11.1%	-1.0%	0.5%
Colombia	0.38	0.41	0.42	0.44	0.39	0.38	0.45	0.44	0.41	0.41	0.41	0.42	0.52	0.51	**0.46**	-9.3%	1.5%	1.2%
Ecuador	0.07	0.07	0.09	0.11	0.09	0.08	0.10	0.11	0.10	0.10	0.12	0.14	0.18	0.19	**0.22**	18.8%	5.6%	0.6%
Peru	0.17	0.19	0.19	0.18	0.19	0.19	0.20	0.20	0.21	0.20	0.22	0.22	0.26	0.28	**0.28**	2.4%	4.3%	0.7%
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Venezuela	0.75	0.78	0.79	0.82	0.81	0.72	0.78	0.76	0.77	0.72	0.67	0.56	0.53	0.51	**0.56**	10.6%	-4.7%	1.5%
Central America	0.17	0.17	0.17	0.19	0.18	0.20	0.20	0.21	0.20	0.20	0.20	0.21	0.25	0.24	**0.20**	-16.4%	2.4%	0.5%
Other Caribbean	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	**0.01**	-35.3%	0.6%	♦
Other South America	0.59	0.59	0.63	0.61	0.60	0.62	0.64	0.65	0.67	0.63	0.62	0.67	0.64	0.62	**0.55**	-11.2%	0.3%	1.5%
Total S. & Cent. America	**6.04**	**6.28**	**6.46**	**6.46**	**6.59**	**6.58**	**6.94**	**6.77**	**6.54**	**6.29**	**6.12**	**6.21**	**6.30**	**6.43**	**6.37**	**-0.9%**	**-0.1%**	**16.9%**
Austria	0.36	0.34	0.35	0.36	0.39	0.36	0.32	0.41	0.39	0.38	0.34	0.36	0.34	0.34	**0.36**	7.8%	-0.8%	1.0%
Belgium	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-5.8%	-3.2%	♦
Bulgaria	0.04	0.04	0.03	0.03	0.03	0.05	0.03	0.03	0.04	0.04	0.05	0.04	0.03	0.05	**0.03**	-33.8%	5.5%	0.1%
Croatia	0.07	0.06	0.04	0.05	0.07	0.09	0.05	0.04	0.08	0.08	0.06	0.06	0.05	0.07	**0.05**	-24.4%	2.3%	0.1%
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Czech Republic	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.01	**0.02**	22.8%	-2.7%	♦
Denmark	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	13.5%	-5.9%	♦
Estonia	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	6.1%	-6.6%	♦
Finland	0.13	0.11	0.14	0.16	0.12	0.12	0.12	0.16	0.12	0.12	0.15	0.14	0.13	0.12	**0.11**	-6.8%	-3.2%	0.3%
France	0.50	0.54	0.55	0.60	0.54	0.59	0.42	0.54	0.65	0.58	0.50	0.54	0.44	0.57	**0.52**	-8.8%	-0.6%	1.4%
Germany	0.19	0.19	0.20	0.19	0.18	0.20	0.16	0.20	0.21	0.18	0.17	0.19	0.18	0.16	**0.18**	11.9%	-1.9%	0.5%
Greece	0.05	0.06	0.02	0.03	0.05	0.07	0.04	0.04	0.06	0.04	0.06	0.05	0.04	0.05	**0.04**	-30.5%	5.0%	0.1%
Hungary	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-1.3%	-0.2%	♦
Iceland	0.07	0.07	0.08	0.12	0.12	0.12	0.12	0.11	0.12	0.12	0.13	0.12	0.13	0.12	**0.12**	-2.9%	0.5%	0.3%
Ireland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	27.3%	-3.9%	♦
Italy	0.35	0.36	0.31	0.40	0.46	0.48	0.43	0.39	0.49	0.54	0.40	0.37	0.31	0.42	**0.40**	-4.5%	0.6%	1.1%
Latvia	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.04	0.02	**0.02**	-13.6%	-3.0%	♦
Lithuania	^	^	^	^	^	0.01	^	^	^	^	^	^	0.01	^	**^**	-23.4%	0.5%	♦
Luxembourg	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	14.0%	-4.1%	♦
Netherlands	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	2.2%	-3.8%	♦
North Macedonia	0.01	0.02	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.02	**0.01**	-35.3%	7.2%	♦
Norway	1.31	1.15	1.28	1.32	1.18	1.10	1.12	1.31	1.18	1.24	1.25	1.29	1.28	1.24	**1.12**	-10.2%	-0.6%	3.0%
Poland	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.02**	-1.2%	-1.5%	♦
Portugal	0.05	0.11	0.10	0.06	0.08	0.15	0.11	0.05	0.13	0.14	0.08	0.14	0.05	0.11	**0.08**	-29.7%	5.5%	0.2%
Romania	0.20	0.18	0.15	0.16	0.15	0.19	0.14	0.11	0.14	0.17	0.15	0.16	0.13	0.16	**0.14**	-13.0%	-0.3%	0.4%
Slovakia	0.04	0.04	0.04	0.04	0.04	0.05	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	**0.04**	17.9%	-1.9%	0.1%
Slovenia	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.06	0.03	0.04	0.03	0.04	**0.04**	-6.9%	1.0%	0.1%
Spain	0.17	0.25	0.26	0.22	0.25	0.39	0.29	0.19	0.34	0.36	0.26	0.33	0.17	0.31	**0.22**	-27.7%	3.4%	0.6%
Sweden	0.70	0.59	0.63	0.66	0.62	0.62	0.63	0.73	0.57	0.58	0.69	0.56	0.58	0.56	**0.59**	5.5%	-1.7%	1.6%
Switzerland	0.30	0.30	0.34	0.34	0.34	0.34	0.30	0.36	0.35	0.35	0.35	0.31	0.31	0.31	**0.31**	-0.1%	-1.0%	0.8%
Turkey	0.38	0.43	0.34	0.32	0.34	0.49	0.49	0.54	0.55	0.37	0.61	0.61	0.52	0.54	**0.79**	48.2%	5.4%	2.1%
Ukraine	0.12	0.12	0.10	0.11	0.11	0.12	0.10	0.10	0.13	0.08	0.05	0.07	0.08	0.09	**0.06**	-34.7%	-1.6%	0.2%
United Kingdom	0.05	0.04	0.05	0.05	0.05	0.03	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.05	**0.05**	8.6%	♦	0.1%
Other Europe	0.31	0.29	0.24	0.26	0.30	0.38	0.25	0.26	0.33	0.30	0.29	0.32	0.26	0.35	**0.30**	-12.5%	2.9%	0.8%
Total Europe	**5.54**	**5.41**	**5.39**	**5.64**	**5.57**	**6.10**	**5.31**	**5.80**	**6.10**	**5.90**	**5.79**	**5.90**	**5.26**	**5.77**	**5.64**	**-2.3%**	**0.2%**	**15.0%**
Azerbaijan	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	**0.01**	-11.8%	-2.9%	♦
Belarus	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	22.8%	♦
Kazakhstan	0.08	0.07	0.08	0.07	0.06	0.08	0.07	0.07	0.07	0.08	0.08	0.11	0.10	0.09	**0.09**	-4.1%	2.7%	0.2%
Russian Federation	1.67	1.67	1.69	1.57	1.65	1.56	1.52	1.52	1.67	1.59	1.53	1.67	1.67	1.71	**1.73**	1.6%	0.9%	4.6%
Turkmenistan	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	-0.6%	♦
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	0.07	0.06	0.06	0.04	0.06	0.08	0.05	0.06	0.06	0.06	0.05	0.07	0.08	0.05	**0.06**	9.8%	2.4%	0.2%
Other CIS	0.32	0.31	0.32	0.27	0.27	0.29	0.31	0.31	0.30	0.29	0.28	0.28	0.31	0.32	**0.32**	0.5%	1.5%	0.8%
Total CIS	**2.16**	**2.14**	**2.17**	**1.97**	**2.06**	**2.04**	**1.98**	**1.98**	**2.11**	**2.03**	**1.96**	**2.14**	**2.17**	**2.19**	**2.21**	**1.3%**	**1.0%**	**5.9%**
Iran	0.14	0.18	0.17	0.07	0.06	0.10	0.10	0.12	0.13	0.13	0.12	0.14	0.16	0.10	**0.26**	153.3%	3.7%	0.7%
Iraq	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.02	0.03	0.02	0.02	**0.02**	35.8%	-5.2%	0.1%
Israel	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	3.1%	♦
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other Middle East	0.04	0.05	0.04	0.03	0.02	0.03	0.04	0.04	0.04	0.02	0.01	0.01	0.01	0.01	**0.02**	43.4%	-9.6%	♦
Total Middle East	**0.23**	**0.27**	**0.26**	**0.13**	**0.11**	**0.16**	**0.17**	**0.20**	**0.22**	**0.18**	**0.15**	**0.18**	**0.19**	**0.13**	**0.30**	**128.7%**	**♦**	**0.8%**
Algeria	0.01	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	29.0%	-9.0%	♦
Egypt	0.12	0.12	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	**0.12**	-0.2%	-1.8%	0.3%
Morocco	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.01	0.01	0.02	**0.01**	-25.7%	5.7%	♦
South Africa	0.01	0.03	0.03	0.01	0.01	0.01	0.03	0.01	0.01	0.02	0.01	0.01	0.01	0.01	**0.01**	-0.4%	-5.5%	♦
Eastern Africa	0.39	0.41	0.44	0.44	0.45	0.51	0.52	0.54	0.57	0.60	0.59	0.56	0.58	0.60	**0.61**	1.9%	3.3%	1.6%
Middle Africa	0.14	0.15	0.14	0.15	0.15	0.16	0.16	0.16	0.18	0.19	0.19	0.19	0.22	0.23	**0.24**	4.3%	4.3%	0.6%
Western Africa	0.16	0.14	0.13	0.15	0.14	0.16	0.16	0.16	0.16	0.16	0.14	0.14	0.16	0.17	**0.17**	-0.3%	1.5%	0.5%
Other Northern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	297.9%	-8.6%	♦
Other Southern Africa	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.02**	-7.5%	-1.6%	♦
Total Africa	**0.86**	**0.89**	**0.91**	**0.92**	**0.94**	**1.01**	**1.03**	**1.03**	**1.08**	**1.13**	**1.09**	**1.05**	**1.11**	**1.17**	**1.18**	**1.4%**	**2.4%**	**3.1%**
Australia	0.15	0.14	0.12	0.11	0.12	0.13	0.18	0.16	0.18	0.13	0.13	0.16	0.12	0.16	**0.13**	-17.9%	3.3%	0.3%
Bangladesh	0.01	0.01	0.01	0.01	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	-5.2%	-1.5%	♦
China	3.84	4.19	4.64	6.05	5.81	6.68	6.42	8.00	8.38	9.71	10.15	10.44	10.49	10.73	**11.32**	5.5%	5.9%	30.1%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
India	0.94	1.08	1.17	1.09	1.00	1.02	1.23	1.07	1.22	1.27	1.21	1.16	1.22	1.25	**1.44**	15.5%	1.3%	3.8%
Indonesia	0.10	0.09	0.11	0.11	0.11	0.16	0.12	0.12	0.16	0.14	0.13	0.17	0.17	0.15	**0.15**	0.6%	3.2%	0.4%
Japan	0.75	0.85	0.71	0.71	0.67	0.83	0.77	0.71	0.73	0.75	0.78	0.67	0.71	0.72	**0.66**	-9.1%	0.1%	1.8%
Malaysia	0.06	0.06	0.06	0.07	0.07	0.06	0.08	0.09	0.11	0.12	0.13	0.18	0.24	0.24	**0.24**	1.8%	12.3%	0.6%
New Zealand	0.23	0.23	0.23	0.21	0.23	0.23	0.23	0.21	0.21	0.22	0.22	0.23	0.23	0.24	**0.23**	-3.0%	1.0%	0.6%
Pakistan	0.30	0.29	0.30	0.26	0.27	0.28	0.29	0.10	0.46	0.30	0.30	0.31	0.28	0.26	**0.32**	21.8%	♦	0.8%
Philippines	0.08	0.10	0.08	0.09	0.09	0.07	0.09	0.10	0.09	0.08	0.08	0.07	0.09	0.08	**0.09**	2.5%	-1.1%	0.2%
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Korea	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.02	0.03	0.03	0.03	**0.02**	-17.7%	0.3%	0.1%
Sri Lanka	0.03	0.04	0.04	0.04	0.04	0.05	0.04	0.03	0.06	0.04	0.05	0.04	0.04	0.06	**0.04**	-25.1%	3.9%	0.1%
Taiwan	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.04	0.04	0.06	0.05	0.04	**0.05**	23.6%	-0.2%	0.1%
Thailand	0.05	0.08	0.08	0.07	0.07	0.05	0.07	0.08	0.05	0.05	0.03	0.03	0.04	0.07	**0.06**	-17.2%	0.3%	0.1%
Vietnam	0.16	0.19	0.21	0.25	0.28	0.27	0.38	0.49	0.53	0.57	0.52	0.60	0.80	0.76	**0.58**	-22.7%	11.8%	1.6%
Other Asia Pacific	0.26	0.28	0.31	0.33	0.32	0.39	0.44	0.44	0.49	0.49	0.45	0.53	0.55	0.53	**0.56**	7.2%	4.9%	1.5%
Total Asia Pacific	**7.05**	**7.71**	**8.15**	**9.48**	**9.14**	**10.30**	**10.43**	**11.70**	**12.77**	**13.94**	**14.26**	**14.69**	**15.05**	**15.31**	**15.90**	**3.9%**	**4.9%**	**42.2%**
Total World	**28.24**	**29.13**	**29.45**	**30.96**	**30.72**	**32.25**	**32.66**	**33.84**	**35.15**	**35.68**	**35.38**	**36.33**	**36.59**	**37.32**	**37.64**	**0.8%**	**1.9%**	**100.0%**
of which: OECD	12.55	12.66	12.23	12.66	12.47	12.75	12.95	12.93	13.04	12.76	12.54	12.65	12.50	12.73	**12.30**	-3.4%	0.1%	32.7%
Non-OECD	15.69	16.47	17.22	18.30	18.25	19.50	19.71	20.92	22.11	22.91	22.83	23.68	24.10	24.59	**25.34**	3.0%	3.0%	67.3%
European Union #	3.02	3.04	3.00	3.16	3.17	3.53	2.92	3.12	3.42	3.43	3.09	3.15	2.68	3.10	**2.92**	-5.8%	-0.2%	7.8%

* Based on gross primary hydroelectric generation and not accounting for cross-border electricity supply. Converted on the basis of thermal equivalence assuming 38% conversion efficiency in a modern thermal power station.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic States.
Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and share of total are calculated using exajoules figures.

Renewables: Consumption*

Contents

Exajoules (input-equivalent)	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Canada	-	-	-	-	-	-	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Mexico	-	-	-	-	-	-	-	-	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
US	0.13	0.14	0.14	0.16	0.16	0.16	0.17	0.19	0.20	0.20	0.20	0.23	0.24	0.25	0.26	0.27	0.27	0.26	0.30
Total North America	**0.13**	**0.14**	**0.14**	**0.16**	**0.16**	**0.16**	**0.17**	**0.19**	**0.20**	**0.21**	**0.20**	**0.24**	**0.25**	**0.26**	**0.28**	**0.29**	**0.30**	**0.30**	**0.33**
Argentina	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Brazil	-	-	-	-	-	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.03	0.05	0.07	0.08	0.07	0.10	0.14
Chile	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^
Colombia	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^
Trinidad & Tobago	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central America	-	-	-	-	-	-	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Other Caribbean	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07
Other South America	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^
Total S. & Cent. America	**0.03**	**0.04**	**0.04**	**0.04**	**0.04**	**0.05**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.08**	**0.10**	**0.12**	**0.14**	**0.15**	**0.15**	**0.18**	**0.23**
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Germany	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iceland	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^
Netherlands	-	-	-	-	-	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	^
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poland	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Portugal	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01
Sweden	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
Turkey	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	-	-
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Europe	**0.03**	**0.04**	**0.04**	**0.05**	**0.05**	**0.07**	**0.07**	**0.07**	**0.08**	**0.08**	**0.09**	**0.08**	**0.09**	**0.09**	**0.10**	**0.11**	**0.11**	**0.10**	**0.10**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Africa	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Western Africa	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^
Australia	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	^
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.10	0.11
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.01	0.02	0.04	0.04	0.05
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Asia Pacific	**0.02**	**0.02**	**0.01**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.03**	**0.03**	**0.03**	**0.03**	**0.04**	**0.05**	**0.07**	**0.16**	**0.18**
Total World	**0.21**	**0.23**	**0.24**	**0.26**	**0.27**	**0.30**	**0.32**	**0.35**	**0.37**	**0.39**	**0.39**	**0.43**	**0.47**	**0.51**	**0.56**	**0.60**	**0.63**	**0.74**	**0.84**
of which: OECD	0.18	0.20	0.20	0.22	0.23	0.25	0.26	0.28	0.30	0.31	0.31	0.35	0.37	0.39	0.41	0.43	0.44	0.52	0.57
Non-OECD	0.03	0.04	0.04	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.07	0.08	0.10	0.12	0.15	0.18	0.19	0.22	0.28
European Union #	0.03	0.04	0.04	0.05	0.05	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.09	0.10

Exajoules (input-equivalent)	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Canada	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.06	0.07	0.08	0.08	0.09	0.09	0.09	0.10
Mexico	0.01	0.02	0.03	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
US	0.36	0.36	0.39	0.43	0.42	0.51	0.67	0.71	0.77	0.80	0.81	0.79	0.77	0.80	0.81	0.84	0.87	0.89
Total North America	**0.39**	**0.40**	**0.44**	**0.49**	**0.50**	**0.59**	**0.76**	**0.81**	**0.87**	**0.92**	**0.93**	**0.92**	**0.91**	**0.94**	**0.96**	**0.99**	**1.02**	**1.05**
Argentina	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01
Brazil	0.17	0.21	0.27	0.27	0.29	0.31	0.28	0.30	0.30	0.31	0.33	0.34	0.37	0.36	0.36	0.37	0.32	0.32
Chile	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02
Colombia	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	^	^	^
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Trinidad & Tobago	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central America	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
Other Caribbean	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Other South America	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total S. & Cent. America	**0.26**	**0.29**	**0.35**	**0.36**	**0.38**	**0.40**	**0.39**	**0.40**	**0.41**	**0.40**	**0.43**	**0.44**	**0.46**	**0.46**	**0.45**	**0.47**	**0.43**	**0.44**
Austria	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Belgium	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	-	-	^	^	^	^	^	^	^	^	^	-
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01
Denmark	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.06	0.06
Estonia	n/a	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^
Finland	-	-	-	-	-	-	0.05	0.05	0.05	0.06	0.06	0.07	0.06	0.08	0.09	0.08	0.09	0.08
France	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05
Germany	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.06	0.08	0.10	0.15	0.17
Greece	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01
Hungary	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^
Iceland	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01
Ireland	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^
Italy	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.07	0.07
Latvia	n/a	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
Lithuania	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Luxembourg	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Netherlands	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Poland	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Portugal	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Romania	-	-	-	-	-	-	^	-	^	^	-	-	-	^	^	-	-	-
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	^	^	^
Spain	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.07	0.09
Sweden	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.05	0.04
Switzerland	^	^	^	0.01	0.01	0.01	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Turkey	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Ukraine	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^
United Kingdom	^	^	^	-	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.05
Other Europe	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^
Total Europe	**0.11**	**0.11**	**0.13**	**0.13**	**0.14**	**0.14**	**0.20**	**0.21**	**0.22**	**0.25**	**0.28**	**0.31**	**0.33**	**0.41**	**0.49**	**0.54**	**0.68**	**0.75**
Azerbaijan	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belarus	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kazakhstan	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Russian Federation	n/a	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^
Turkmenistan	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USSR	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other CIS	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total CIS	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^
Total Middle East	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
Eastern Africa	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Middle Africa	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^
Western Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Other Southern Africa	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^
Total Africa	^	^	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.02**	**0.03**
Australia	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	^	^	^	^	0.01	0.04	0.02	0.03	0.03	0.03	0.03	0.03
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	^	^	^	^	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04
Indonesia	-	-	-	-	-	-	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.06
Japan	0.12	0.13	0.14	0.15	0.16	0.17	0.11	0.12	0.12	0.12	0.14	0.14	0.15	0.17	0.16	0.17	0.17	0.17
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.01
New Zealand	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.01
Philippines	0.05	0.06	0.06	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.09	0.11	0.12	0.10
Singapore	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
South Korea	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Taiwan	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Thailand	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01
Vietnam	^	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^
Total Asia Pacific	**0.20**	**0.21**	**0.22**	**0.22**	**0.24**	**0.26**	**0.22**	**0.23**	**0.23**	**0.23**	**0.27**	**0.32**	**0.33**	**0.36**	**0.39**	**0.44**	**0.48**	**0.49**
Total World	**0.96**	**1.01**	**1.15**	**1.21**	**1.26**	**1.40**	**1.58**	**1.66**	**1.75**	**1.82**	**1.91**	**2.01**	**2.04**	**2.20**	**2.31**	**2.46**	**2.64**	**2.75**
of which: OECD	0.64	0.66	0.73	0.80	0.82	0.94	1.12	1.18	1.27	1.34	1.40	1.44	1.45	1.57	1.67	1.76	1.93	2.03
Non-OECD	0.31	0.35	0.41	0.42	0.43	0.47	0.46	0.48	0.48	0.48	0.52	0.57	0.59	0.62	0.64	0.70	0.71	0.73
European Union #	0.10	0.10	0.12	0.12	0.13	0.13	0.19	0.20	0.21	0.24	0.26	0.30	0.31	0.39	0.47	0.52	0.65	0.72

Contents

																			Growth rate per annum		Share
Exajoules (input-equivalent)	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	2019	2008-18	2019
Canada	0.10	0.10	0.10	0.10	0.13	0.14	0.14	0.18	0.22	0.25	0.28	0.29	0.30	0.44	0.49	0.49	0.50	**0.52**	4.0%	13.5%	1.8%
Mexico	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.10	0.11	0.13	0.16	0.17	0.18	0.22	**0.35**	59.5%	10.3%	1.2%
US	1.00	1.06	1.15	1.24	1.47	1.68	2.11	2.39	2.76	3.09	3.33	3.76	4.04	4.25	4.81	5.24	5.50	**5.83**	5.9%	10.1%	20.1%
Total North America	**1.16**	**1.23**	**1.33**	**1.43**	**1.67**	**1.90**	**2.33**	**2.66**	**3.06**	**3.43**	**3.71**	**4.16**	**4.48**	**4.84**	**5.47**	**5.92**	**6.22**	**6.70**	**7.6%**	**10.3%**	**23.1%**
Argentina	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.04	0.05	0.07	0.07	0.08	0.08	0.08	0.09	0.10	**0.14**	38.3%	19.8%	0.5%
Brazil	0.36	0.36	0.40	0.43	0.42	0.57	0.71	0.79	0.92	0.88	0.90	1.05	1.22	1.45	1.49	1.63	1.83	**2.02**	10.4%	9.9%	7.0%
Chile	0.02	0.02	0.02	0.02	0.01	0.03	0.03	0.03	0.04	0.04	0.06	0.07	0.06	0.08	0.11	0.13	0.16	**0.19**	20.4%	16.6%	0.7%
Colombia	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	**0.02**	1.7%	13.7%	0.1%
Ecuador	-	-	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	**0.01**	26.9%	11.1%	♦
Peru	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.05	**0.05**	10.6%	18.6%	0.2%
Trinidad & Tobago	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	-15.3%	♦
Venezuela	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	1688.5%	-	♦
Central America	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.08	0.08	0.09	0.11	0.12	0.12	0.14	**0.15**	6.2%	11.2%	0.5%
Other Caribbean	0.05	0.05	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	**0.05**	19.9%	6.9%	0.2%
Other South America	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.02	0.02	0.04	0.06	0.07	0.07	0.08	**0.09**	2.0%	22.3%	0.3%
Total S. & Cent. America	**0.48**	**0.49**	**0.52**	**0.56**	**0.55**	**0.70**	**0.86**	**0.96**	**1.13**	**1.11**	**1.19**	**1.37**	**1.57**	**1.87**	**1.97**	**2.15**	**2.44**	**2.73**	**11.9%**	**10.9%**	**9.4%**
Austria	0.02	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.08	0.08	0.09	0.10	0.11	0.12	0.12	0.14	0.13	**0.14**	8.4%	5.4%	0.5%
Belgium	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07	0.09	0.11	0.12	0.13	0.14	0.14	0.16	0.17	**0.19**	8.9%	16.2%	0.6%
Bulgaria	-	-	^	^	^	^	^	^	0.01	0.01	0.02	0.03	0.03	0.03	0.04	0.04	0.04	**0.05**	3.5%	41.3%	0.2%
Croatia	-	-	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	**0.02**	13.2%	39.1%	0.1%
Cyprus	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**0.01**	11.6%	19.9%	♦
Czech Republic	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.08	**0.08**	2.7%	14.7%	0.3%
Denmark	0.07	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.12	0.14	0.15	0.16	0.17	0.18	0.18	0.21	0.20	**0.22**	12.0%	7.4%	0.8%
Estonia	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	**0.02**	1.6%	26.0%	0.1%
Finland	0.09	0.09	0.10	0.09	0.11	0.10	0.10	0.09	0.11	0.12	0.12	0.13	0.14	0.14	0.14	0.16	0.18	**0.18**	0.8%	5.4%	0.6%
France	0.05	0.05	0.06	0.07	0.09	0.14	0.19	0.22	0.24	0.28	0.33	0.35	0.38	0.44	0.46	0.49	0.54	**0.61**	13.9%	10.9%	2.1%
Germany	0.24	0.30	0.40	0.49	0.61	0.77	0.81	0.83	0.91	1.11	1.25	1.31	1.43	1.66	1.64	1.88	1.97	**2.12**	7.5%	9.3%	7.3%
Greece	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.06	0.08	0.08	0.09	0.09	0.10	0.10	**0.11**	10.0%	14.4%	0.4%
Hungary	^	^	0.01	0.02	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	**0.05**	14.4%	3.8%	0.2%
Iceland	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	**0.05**	-0.2%	3.6%	0.2%
Ireland	^	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.05	0.04	0.05	0.06	0.07	0.07	0.08	0.09	**0.10**	11.4%	12.9%	0.4%
Italy	0.09	0.10	0.12	0.13	0.14	0.15	0.19	0.24	0.30	0.40	0.53	0.60	0.61	0.63	0.65	0.67	0.64	**0.64**	-1.4%	13.2%	2.2%
Latvia	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	4.1%	26.6%	♦
Lithuania	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	**0.02**	19.4%	15.5%	0.1%
Luxembourg	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	**0.01**	7.2%	12.2%	♦
Netherlands	0.04	0.04	0.05	0.07	0.08	0.09	0.10	0.12	0.11	0.13	0.13	0.13	0.12	0.14	0.14	0.17	0.19	**0.23**	17.7%	6.7%	0.8%
North Macedonia	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	**^**	3.0%	40.3%	♦
Norway	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.05	**0.07**	27.6%	13.0%	0.2%
Poland	^	0.01	0.01	0.02	0.03	0.03	0.06	0.09	0.10	0.13	0.17	0.17	0.19	0.22	0.21	0.22	0.21	**0.25**	15.2%	13.4%	0.9%
Portugal	0.02	0.02	0.02	0.03	0.05	0.06	0.08	0.10	0.13	0.13	0.14	0.16	0.16	0.16	0.16	0.16	0.16	**0.18**	8.0%	7.4%	0.6%
Romania	^	^	^	^	^	^	^	0.01	0.01	0.02	0.03	0.05	0.07	0.09	0.09	0.10	0.09	**0.10**	8.2%	34.1%	0.3%
Slovakia	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	**0.02**	-13.0%	12.4%	0.1%
Slovenia	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	13.2%	7.6%	♦
Spain	0.12	0.16	0.19	0.24	0.26	0.30	0.38	0.46	0.57	0.59	0.70	0.72	0.69	0.67	0.66	0.68	0.70	**0.75**	7.3%	6.3%	2.6%
Sweden	0.05	0.05	0.08	0.09	0.10	0.12	0.13	0.14	0.17	0.19	0.21	0.22	0.24	0.29	0.30	0.33	0.32	**0.36**	13.4%	9.3%	1.2%
Switzerland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	**0.04**	7.0%	12.9%	0.2%
Turkey	^	^	^	^	^	0.01	0.01	0.02	0.04	0.05	0.07	0.11	0.12	0.15	0.21	0.27	0.34	**0.41**	19.3%	40.4%	1.4%
Ukraine	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.02	0.02	0.02	**0.05**	92.4%	23.5%	0.2%
United Kingdom	0.06	0.07	0.09	0.12	0.14	0.15	0.19	0.23	0.26	0.32	0.37	0.49	0.59	0.74	0.74	0.88	0.99	**1.08**	9.1%	17.8%	3.7%
Other Europe	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	**0.02**	82.6%	35.6%	0.1%
Total Europe	**0.91**	**1.07**	**1.33**	**1.59**	**1.89**	**2.28**	**2.66**	**3.01**	**3.49**	**4.12**	**4.78**	**5.24**	**5.62**	**6.30**	**6.40**	**7.12**	**7.50**	**8.18**	**9.2%**	**10.9%**	**28.2%**
Azerbaijan	-	-	-	-	-	-	-	^	^	-	-	^	^	^	^	^	^	**^**	27.7%	-	♦
Belarus	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	3.2%	19.6%	♦
Kazakhstan	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**0.01**	47.3%	-	♦
Russian Federation	^	^	^	^	^	^	^	^	0.01	0.01	^	^	0.01	0.01	0.01	0.01	0.01	**0.02**	31.0%	10.2%	0.1%
Turkmenistan	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	-0.4%	-	♦
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	**^**	132.5%	-	♦
Other CIS	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	16.5%	39.8%	♦
Total CIS	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.02**	**0.03**	**29.4%**	**15.9%**	**0.1%**
Iran	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	12.1%	9.0%	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-0.4%	-	♦
Israel	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.02	0.02	**0.03**	64.3%	40.9%	0.1%
Kuwait	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	91.4%	-	♦
Oman	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-0.4%	-	♦
Qatar	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**^**	-0.4%	-	♦
Saudi Arabia	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	**0.02**	365.6%	89.2%	0.1%
United Arab Emirates	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	0.01	**0.04**	214.8%	-	0.1%
Other Middle East	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.03	**0.03**	8.9%	68.3%	0.1%
Total Middle East	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.04**	**0.05**	**0.07**	**0.12**	**77.1%**	**38.8%**	**0.4%**
Algeria	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	**0.01**	1.6%	-	♦
Egypt	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.03	**0.06**	82.0%	13.6%	0.2%
Morocco	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	**0.06**	30.6%	31.2%	0.2%
South Africa	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.06	0.07	0.10	0.11	**0.12**	3.1%	37.2%	0.4%
Eastern Africa	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.05	0.07	0.07	0.07	0.08	**0.15**	89.4%	13.3%	0.5%
Middle Africa	^	^	^	^	0.01	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.3%	-0.8%	♦
Western Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	**0.01**	0.8%	15.8%	♦
Other Northern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	**0.01**	14.0%	28.0%	♦
Other Southern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	43.2%	7.7%	♦
Total Africa	**0.03**	**0.03**	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**	**0.05**	**0.06**	**0.06**	**0.07**	**0.08**	**0.12**	**0.18**	**0.21**	**0.25**	**0.29**	**0.41**	**39.3%**	**20.7%**	**1.4%**
Australia	0.02	0.02	0.04	0.05	0.06	0.08	0.10	0.12	0.15	0.18	0.19	0.21	0.23	0.25	0.26	0.28	0.35	**0.42**	22.0%	13.1%	1.5%
Bangladesh	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	39.0%	32.1%	♦
China	0.04	0.04	0.06	0.10	0.14	0.20	0.33	0.52	0.77	1.05	1.36	1.80	2.24	2.62	3.44	4.61	5.81	**6.63**	14.2%	33.4%	22.9%
China Hong Kong SAR	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	13.4%	64.1%	♦
India	0.04	0.05	0.08	0.10	0.15	0.18	0.23	0.27	0.32	0.39	0.46	0.52	0.58	0.60	0.73	0.90	1.10	**1.21**	9.4%	17.1%	4.2%
Indonesia	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.15	0.12	0.20	0.20	0.25	**0.39**	54.2%	12.2%	1.4%
Japan	0.18	0.19	0.20	0.24	0.25	0.26	0.26	0.25	0.29	0.30	0.33	0.39	0.49	0.64	0.63	0.76	0.89	**1.10**	24.1%	13.3%	3.8%
Malaysia	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	**0.03**	12.5%	11.5%	0.1%
New Zealand	0.03	0.03	0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.08	0.08	0.08	0.09	0.10	0.10	0.10	0.09	**0.10**	2.4%	5.5%	0.3%
Pakistan	0.01	0.01	0.01	-	-	^	^	^	^	^	^	^	0.01	0.02	0.03	0.04	0.05	**0.06**	33.0%	123.2%	0.2%
Philippines	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.10	0.11	0.11	0.11	0.13	0.15	0.14	0.15	**0.15**	2.7%	3.4%	0.5%
Singapore	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	5.5%	5.0%	♦
South Korea	^	^	^	^	0.01	0.01	0.02	0.03	0.05	0.05	0.05	0.07	0.09	0.12	0.15	0.19	0.24	**0.29**	19.3%	27.2%	1.0%
Sri Lanka	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	**0.01**	7.0%	47.0%	♦
Taiwan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.06	**0.07**	24.9%	9.6%	0.2%
Thailand	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.12	0.15	0.16	0.18	0.21	0.24	**0.29**	18.8%	19.5%	1.0%
Vietnam	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**0.04**	845.8%	23.6%	0.1%
Other Asia Pacific	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	**0.01**	30.6%	25.3%	♦
Total Asia Pacific	**0.52**	**0.55**	**0.64**	**0.75**	**0.87**	**1.02**	**1.25**	**1.56**	**1.95**	**2.38**	**2.84**	**3.49**	**4.21**	**4.85**	**5.96**	**7.53**	**9.29**	**10.81**	**16.5%**	**22.2%**	**37.3%**
Total World	**3.10**	**3.37**	**3.87**	**4.37**	**5.03**	**5.94**	**7.16**	**8.24**	**9.70**	**11.12**	**12.60**	**14.36**	**16.03**	**18.08**	**20.06**	**23.04**	**25.83**	**28.98**	**12.2%**	**13.7%**	**100.0%**
of which: OECD	2.32	2.56	2.96	3.38	3.93	4.60	5.45	6.16	7.12	8.16	9.13	10.12	10.94	12.18	12.96	14.32	15.27	**16.77**	9.8%	10.9%	57.9%
Non-OECD	0.78	0.81	0.91	0.99	1.09	1.34	1.71	2.08	2.58	2.96	3.47	4.24	5.09	5.90	7.10	8.71	10.55	**12.21**	15.7%	19.9%	42.1%
European Union #	0.88	1.03	1.30	1.56	1.84	2.21	2.58	2.92	3.38	3.98	4.62	5.02	5.38	6.02	6.05	6.69	6.97	**7.54**	8.2%	10.5%	26.0%

*Based on gross generation and not accounting for cross-border electricity supply. "Input-equivalent" energy is the amount of fuel that would be required by thermal power stations to generate the reported electricity output.
Details on thermal efficiency assumptions are available in the appendices and definitions page and at *bp.com/statisticalreview* .

^ Less than 0.05.

♦ Less than 0.05%.

n/a not available.

USSR includesCIS, Georgia, Ukraine and the Baltic states.

\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Annual changes and share of total are calculated using exajoules figures and incorporate adjustments for assumed changes in thermal efficiency.

Renewables: Renewable power generation*

Exajoules (input-equivalent)*	1965	1966	1967	1968	1969	1970	1971	1972	1973
Canada	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	^
US	0.13	0.14	0.14	0.16	0.16	0.16	0.17	0.19	0.20
Total North America	**0.13**	**0.14**	**0.14**	**0.16**	**0.16**	**0.16**	**0.17**	**0.19**	**0.20**
Argentina	-	-	-	-	-	^	^	^	^
Brazil	-	-	-	-	-	^	^	^	^
Chile	-	-	-	-	-	-	^	^	^
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	^	^	^
Trinidad & Tobago	-	-	-	-	-	-	^	^	^
Venezuela	-	-	-	-	-	-	-	-	-
Central America	-	-	-	-	-	-	^	^	^
Other Caribbean	-	-	-	-	-	-	^	^	^
Other South America	-	-	-	-	-	-	^	^	^
Total S. & Cent. America	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**
Austria	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	^
Bulgaria	-	-	-	-	-	-	-	-	-
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	-	-	-	-	-	-	-	-	-
France	-	^	^	^	^	^	^	^	^
Germany	-	-	-	-	-	^	^	^	^
Greece	-	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	-	-	-	-	-
Iceland	-	-	-	-	^	^	^	^	^
Ireland	-	-	-	-	-	-	-	-	-
Italy	^	^	^	^	^	^	^	^	^
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	-	-	-	-	-	-	-	-	-
Poland	^	^	^	^	^	^	^	^	^
Portugal	^	^	^	^	^	^	^	^	^
Romania	-	-	-	-	-	-	-	-	-
Slovakia	-	-	-	-	-	-	-	-	-
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	-	-	-	-	-	^	^	^	^
Sweden	-	-	-	-	-	^	^	^	^
Switzerland	-	-	-	-	-	-	-	-	-
Turkey	^	^	^	^	^	^	^	^	^
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	-	-	-	-	-	-	-	-	-
Other Europe	-	-	-	-	-	-	-	-	-
Total Europe	**^**	**^**	**^**	**^**	**0.05**	**0.07**	**0.07**	**0.07**	**0.08**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	-	-	-	-	-	-	-	-	-
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-

Oman	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Algeria	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-	-	-
Eastern Africa	-	-	-	-	-	-	^	^	^
Middle Africa	-	-	-	-	-	-	-	-	-
Western Africa	-	-	-	-	-	-	^	^	^
Other Northern Africa	-	-	-	-	-	-	-	-	-
Other Southern Africa	-	-	-	-	-	-	-	-	-
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**
Australia	^	^	^	^	^	^	^	^	^
Bangladesh	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
China Hong Kong SAR	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	^	^	^	^
Malaysia	-	-	-	-	-	-	-	-	-
New Zealand	^	^	^	^	^	^	^	^	^
Pakistan	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
Thailand	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-
Total Asia Pacific	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**
Total World	**0.18**	**0.20**	**0.20**	**0.22**	**0.23**	**0.26**	**0.28**	**0.30**	**0.32**
of which: OECD	0.18	0.20	0.20	0.22	0.23	0.25	0.26	0.28	0.30
Non-OECD	-	-	-	-	-	^	^	^	^
European Union #	^	^	^	^	0.05	0.07	0.07	0.07	0.07

*Based on gross generation and not accounting for cross-border electricity supply. “Input-equivalent” energy is the amount of fuel that v
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^ Less than 0.005.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic states.
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Notes: Annual changes and share of total are calculated using exajoules figures and incorporate adjustments for assumed cl

Contents

1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
-	-	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	^	^	^	^	^	^
0.20	0.20	0.23	0.24	0.25	0.26	0.27	0.27	0.26	0.30	0.36	0.36	0.39
0.21	**0.20**	**0.24**	**0.25**	**0.26**	**0.28**	**0.29**	**0.30**	**0.30**	**0.33**	**0.39**	**0.40**	**0.44**
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^	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**
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-	-	-	-	-	-	-	-	-	-	-	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
-	-	-	^	^	^	^	^	^	^	^	^	^
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
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0.08	**0.09**	**0.08**	**0.09**	**0.09**	**0.10**	**0.11**	**0.11**	**0.10**	**0.10**	**0.11**	**0.11**	**0.13**
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
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^	^	^	^	^	^	^	^	0.10	0.11	0.12	0.13	0.14
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^	^	^	^	^	^	^	^	^	^	^	^	^
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	^	^	^	^	^	^	^	0.05	0.06	0.06
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^	**^**	**^**	**^**	**^**	**^**	**0.05**	**0.07**	**0.16**	**0.18**	**0.20**	**0.21**	**0.22**
0.34	**0.34**	**0.38**	**0.41**	**0.43**	**0.46**	**0.49**	**0.53**	**0.61**	**0.68**	**0.76**	**0.78**	**0.86**
0.31	0.31	0.35	0.37	0.39	0.41	0.43	0.44	0.52	0.57	0.64	0.66	0.73
^	^	^	^	^	0.05	0.07	0.09	0.10	0.11	0.12	0.12	0.12
0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.09	0.10	0.10	0.10	0.12

would be required by thermal power stations to generate the reported electricity output.

hanges in thermal efficiency.

1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
^	^	^	^	^	^	^	0.06	0.07	0.08	0.08	0.09	0.09
^	^	^	0.05	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06
0.43	0.42	0.51	0.61	0.64	0.68	0.70	0.70	0.67	0.69	0.70	0.69	0.72
0.49	**0.50**	**0.59**	**0.70**	**0.74**	**0.79**	**0.82**	**0.82**	**0.81**	**0.82**	**0.84**	**0.84**	**0.87**
^	^	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	0.05	0.06	0.07	0.07	0.08	0.08
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0.07	**0.07**	**0.07**	**0.08**	**0.08**	**0.11**	**0.10**	**0.11**	**0.11**	**0.13**	**0.13**	**0.13**	**0.15**
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n/a	n/a	n/a	-	-	^	^	^	^	^	^	^	^
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-	-	-	-	-	-	-	-	^	^	^	^	^
-	-	-	0.05	0.05	^	0.06	0.06	0.07	0.06	0.08	0.09	0.08
^	^	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	^	^	^	0.05	0.08	0.09
^	^	^	^	^	^	^	^	^	^	^	^	^
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^	^	^	^	^	^	^	^	^	^	^	0.05	0.06
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n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-
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n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	^
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0.13	**0.14**	**0.14**	**0.20**	**0.21**	**0.22**	**0.25**	**0.27**	**0.30**	**0.32**	**0.39**	**0.47**	**0.52**
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
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0.15	0.16	0.17	0.11	0.12	0.12	0.12	0.14	0.14	0.15	0.17	0.16	0.17
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^	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.09	0.11
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0.22	**0.24**	**0.26**	**0.22**	**0.23**	**0.23**	**0.23**	**0.27**	**0.32**	**0.33**	**0.36**	**0.39**	**0.44**
0.92	**0.95**	**1.07**	**1.21**	**1.27**	**1.36**	**1.42**	**1.48**	**1.55**	**1.60**	**1.74**	**1.86**	**2.00**
0.80	0.82	0.94	1.05	1.11	1.18	1.24	1.28	1.31	1.35	1.45	1.54	1.62
0.12	0.12	0.13	0.16	0.16	0.18	0.18	0.20	0.24	0.25	0.29	0.32	0.38
0.12	0.13	0.13	0.19	0.20	0.21	0.24	0.26	0.29	0.30	0.37	0.45	0.50

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.15	0.18	0.20	0.21
0.06	0.06	0.06	0.07	0.07	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.10
0.73	0.74	0.82	0.82	0.85	0.88	0.97	1.05	1.25	1.42	1.63	1.88	2.12
0.88	**0.90**	**0.98**	**0.98**	**1.02**	**1.07**	**1.15**	**1.25**	**1.44**	**1.64**	**1.89**	**2.16**	**2.43**
^	^	^	^	^	^	^	^	^	^	^	^	^
0.08	0.09	0.10	0.12	0.12	0.13	0.15	0.18	0.20	0.23	0.32	0.33	0.38
^	^	^	^	^	^	^	^	^	^	^	^	0.06
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^	^	^	^	^	^	^	^	^	0.05	0.06	0.06	0.08
^	^	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	^	^	^	^	^	^
0.15	**0.17**	**0.18**	**0.20**	**0.21**	**0.22**	**0.24**	**0.29**	**0.33**	**0.37**	**0.48**	**0.51**	**0.60**
^	^	^	^	^	^	^	0.06	0.06	0.06	0.06	0.06	0.07
^	^	^	^	^	^	^	^	^	^	0.06	0.08	0.09
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-	-	-	-	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	^	^	^	^	^	0.06
0.06	0.06	0.07	0.08	0.09	0.09	0.09	0.10	0.10	0.09	0.12	0.13	0.14
^	^	^	^	^	^	^	^	^	^	^	^	^
0.09	0.08	0.09	0.09	0.10	0.09	0.11	0.10	0.10	0.09	0.11	0.11	0.11
^	^	^	^	^	^	0.06	0.08	0.10	0.12	0.15	0.18	0.23
0.14	0.16	0.22	0.27	0.36	0.42	0.50	0.64	0.69	0.72	0.79	0.99	1.12
^	^	^	^	^	^	^	^	^	^	^	^	0.05
^	^	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	^	^	^	^	^	^
0.07	0.07	0.09	0.10	0.11	0.12	0.13	0.14	0.16	0.19	0.24	0.35	0.47
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^	^	^	^	0.05	0.07	0.08	0.07	0.09	0.10	0.10	0.11	0.12
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^	^	^	^	^	^	^	^	^	0.06	0.07	0.10	0.14
^	^	^	^	^	^	^	0.06	0.07	0.09	0.11	0.12	0.13
-	-	^	^	^	^	^	^	^	^	^	^	^
-	^	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	^	^	^	^	^	^
0.06	0.08	0.12	0.15	0.19	0.23	0.25	0.30	0.37	0.45	0.51	0.52	0.62
^	^	^	0.05	0.08	0.08	0.09	0.11	0.12	0.13	0.15	0.16	0.18
^	^	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	^	^	^	^	0.05	0.07
^	^	^	^	^	^	^	^	^	^	^	^	^
^	0.05	0.06	0.07	0.09	0.12	0.13	0.14	0.16	0.19	0.21	0.28	0.33
^	^	^	^	^	^	^	^	^	^	^	^	^
0.65	**0.72**	**0.86**	**1.01**	**1.26**	**1.46**	**1.68**	**2.00**	**2.27**	**2.55**	**2.94**	**3.54**	**4.16**
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
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^	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.06**	**0.06**	**0.07**
^	^	^	^	^	0.05	0.06	0.07	0.07	0.07	0.08	0.10	0.12
-	-	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	0.07	0.11	0.15	0.27	0.46	0.70	0.97	1.27
-	-	-	-	-	-	^	^	^	^	^	^	^
^	^	^	0.05	0.08	0.10	0.14	0.18	0.23	0.26	0.32	0.39	0.46
^	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.09	0.09	0.09	0.09
0.17	0.17	0.18	0.19	0.20	0.24	0.25	0.26	0.25	0.25	0.28	0.29	0.32
^	^	^	^	^	^	^	^	^	^	^	^	^
^	^	^	^	^	^	^	^	0.06	0.07	0.08	0.08	0.08
^	^	^	^	^	-	-	^	^	^	^	^	^
0.12	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.10
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0.48	**0.49**	**0.51**	**0.55**	**0.62**	**0.72**	**0.82**	**0.94**	**1.13**	**1.39**	**1.75**	**2.15**	**2.58**
2.19	**2.30**	**2.57**	**2.78**	**3.15**	**3.51**	**3.95**	**4.53**	**5.22**	**6.01**	**7.13**	**8.44**	**9.85**
1.76	1.84	2.09	2.26	2.57	2.89	3.20	3.65	4.13	4.63	5.32	6.23	7.15
0.43	0.46	0.48	0.51	0.58	0.62	0.74	0.87	1.09	1.38	1.81	2.21	2.70
0.62	0.69	0.83	0.98	1.22	1.43	1.63	1.93	2.19	2.46	2.84	3.41	4.00

							Growth rate per annum		Share
2013	2014	2015	2016	2017	2018	**2019**	2019	2008-18	2019
0.22	0.23	0.36	0.41	0.41	0.42	**0.44**	4.3%	14.1%	1.8%
0.11	0.13	0.15	0.16	0.18	0.21	**0.34**	61.8%	10.4%	1.3%
2.45	2.72	2.88	3.33	3.76	4.04	**4.37**	8.1%	12.5%	17.5%
2.78	**3.07**	**3.39**	**3.90**	**4.35**	**4.67**	**5.14**	**10.1%**	**12.5%**	**20.6%**
^	^	^	^	^	^	**0.07**	103.4%	8.1%	0.3%
0.44	0.54	0.65	0.77	0.87	0.95	**1.05**	10.3%	16.9%	4.2%
0.07	0.06	0.08	0.11	0.13	0.16	**0.19**	20.4%	16.6%	0.8%
^	^	^	^	^	^	**^**	1.6%	13.8%	0.1%
^	^	^	^	^	^	**^**	28.9%	9.3%	♦
^	^	^	^	^	^	**^**	14.7%	21.7%	0.1%
^	^	^	^	^	^	**^**	-0.4%	-15.3%	♦
^	^	^	^	^	^	**^**	1688.5%	-	♦
0.08	0.09	0.11	0.12	0.12	0.14	**0.15**	6.2%	11.2%	0.6%
^	^	^	^	^	^	**^**	25.8%	11.5%	0.2%
^	^	^	0.06	0.06	0.07	**0.08**	1.5%	22.1%	0.3%
0.68	**0.81**	**0.98**	**1.14**	**1.29**	**1.45**	**1.64**	**13.3%**	**15.9%**	**6.6%**
0.08	0.08	0.09	0.10	0.11	0.11	**0.12**	9.8%	6.2%	0.5%
0.10	0.11	0.13	0.13	0.14	0.15	**0.17**	10.1%	14.7%	0.7%
^	^	^	^	^	^	**^**	3.0%	39.7%	0.2%
^	^	^	^	^	^	**^**	13.7%	41.5%	0.1%
^	^	^	^	^	^	**^**	10.4%	39.8%	♦
0.06	0.07	0.07	0.07	0.07	0.07	**0.07**	1.3%	15.6%	0.3%
0.15	0.16	0.17	0.17	0.20	0.19	**0.21**	12.3%	6.9%	0.8%
^	^	^	^	^	^	**^**	1.6%	26.5%	0.1%
0.12	0.12	0.12	0.13	0.14	0.16	**0.16**	1.0%	4.8%	0.7%
0.24	0.27	0.32	0.34	0.37	0.42	**0.49**	16.6%	15.8%	2.0%
1.19	1.31	1.55	1.53	1.77	1.85	**2.00**	8.0%	10.3%	8.0%
0.07	0.07	0.08	0.08	0.09	0.09	**0.10**	10.7%	14.9%	0.4%
^	^	^	^	^	^	**^**	20.5%	4.4%	0.2%
^	^	^	^	^	0.05	**0.05**	-0.2%	3.4%	0.2%
^	0.05	0.06	0.06	0.07	0.09	**0.09**	11.3%	13.1%	0.4%
0.55	0.57	0.58	0.59	0.61	0.59	**0.60**	2.7%	14.1%	2.4%
^	^	^	^	^	^	**^**	5.7%	25.6%	♦
^	^	^	^	^	^	**^**	23.0%	23.1%	0.1%
^	^	^	^	^	^	**^**	12.5%	14.0%	♦
0.11	0.11	0.12	0.13	0.16	0.17	**0.20**	18.0%	6.6%	0.8%
^	^	^	^	^	^	**^**	3.0%	-	♦
^	^	^	^	^	^	**0.05**	41.3%	11.5%	0.2%
0.13	0.16	0.19	0.19	0.19	0.18	**0.21**	17.1%	15.3%	0.8%
0.15	0.15	0.14	0.15	0.15	0.15	**0.17**	8.7%	7.4%	0.7%
^	0.06	0.09	0.08	0.09	0.08	**0.08**	5.4%	75.5%	0.3%
^	^	^	^	^	^	**^**	-14.3%	14.8%	0.1%
^	^	^	^	^	^	**^**	2.6%	5.7%	♦
0.68	0.65	0.63	0.62	0.63	0.62	**0.69**	10.6%	5.4%	2.8%
0.20	0.20	0.25	0.25	0.27	0.26	**0.30**	15.7%	8.2%	1.2%
^	^	^	^	^	^	**^**	6.5%	11.0%	0.1%
0.09	0.11	0.15	0.21	0.26	0.34	**0.40**	19.4%	40.9%	1.6%
^	^	^	^	^	^	**^**	99.5%	22.6%	0.2%
0.45	0.54	0.70	0.70	0.84	0.94	**1.01**	8.1%	19.4%	4.0%
^	^	^	^	^	^	**^**	85.9%	35.1%	0.1%
4.67	**5.01**	**5.70**	**5.78**	**6.45**	**6.77**	**7.46**	**10.2%**	**11.5%**	**29.8%**
^	^	^	^	^	^	**^**	27.7%	-	♦
^	^	^	^	^	^	**^**	3.9%	24.6%	♦
^	^	^	^	^	^	**^**	49.1%	-	♦
^	^	^	^	^	^	**^**	31.0%	10.2%	0.1%
^	^	^	^	^	^	**^**	-0.4%	-	♦
n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
-	-	-	^	^	^	**^**	132.5%	-	♦
^	^	^	^	^	^	**^**	16.5%	39.8%	♦
^	**^**	**^**	**^**	**^**	**^**	**^**	**30.7%**	**16.1%**	**0.1%**
^	^	^	^	^	^	**^**	12.1%	9.0%	♦
^	^	^	^	^	^	**^**	-0.4%	-	♦
^	^	^	^	^	^	**^**	65.3%	58.9%	0.1%
^	^	^	^	^	^	**^**	91.4%	-	♦

^	^	^	^	^	^	^	-0.4%	-	♦
^	^	^	^	^	^	^	-0.4%	-	♦
^	^	^	^	^	^	^	365.6%	89.2%	0.1%
^	^	^	^	^	^	^	214.8%	-	0.1%
^	^	^	^	^	^	^	8.9%	68.3%	0.1%
^	**^**	**^**	**^**	**^**	**0.07**	**0.12**	**77.3%**	**40.8%**	**0.5%**
^	^	^	^	^	^	^	1.6%	-	♦
^	^	^	^	^	^	**0.06**	82.0%	13.6%	0.2%
^	^	^	^	^	^	**0.06**	30.6%	31.2%	0.2%
^	^	0.06	0.07	0.10	0.11	**0.11**	2.7%	36.9%	0.5%
^	^	0.07	0.07	0.07	0.08	**0.15**	89.5%	13.2%	0.6%
^	^	^	^	^	^	^	-0.3%	-0.8%	♦
^	^	^	^	^	^	^	0.8%	15.8%	♦
^	^	^	^	^	^	^	14.0%	28.0%	♦
^	^	^	^	^	^	^	43.2%	7.7%	♦
0.08	**0.11**	**0.18**	**0.21**	**0.24**	**0.29**	**0.40**	**39.5%**	**20.6%**	**1.6%**
0.15	0.17	0.20	0.22	0.23	0.29	**0.37**	26.8%	15.3%	1.5%
^	^	^	^	^	^	^	39.0%	32.1%	♦
1.69	2.10	2.54	3.35	4.52	5.69	**6.53**	14.6%	35.8%	26.1%
^	^	^	^	^	^	^	10.4%	61.1%	♦
0.52	0.58	0.59	0.72	0.89	1.10	**1.20**	9.4%	17.2%	4.8%
0.09	0.09	0.09	0.10	0.12	0.13	**0.14**	9.0%	5.1%	0.6%
0.38	0.48	0.62	0.62	0.74	0.87	**1.08**	24.7%	13.0%	4.3%
^	^	^	^	^	^	^	28.8%	4.4%	0.1%
0.08	0.09	0.10	0.10	0.10	0.09	**0.10**	2.4%	5.5%	0.4%
^	^	^	^	^	^	**0.06**	33.0%	123.2%	0.2%
0.09	0.10	0.11	0.13	0.12	0.12	**0.13**	2.0%	2.0%	0.5%
^	^	^	^	^	^	^	5.5%	5.0%	♦
0.05	0.07	0.10	0.13	0.17	0.21	**0.26**	21.8%	30.9%	1.0%
^	^	^	^	^	^	^	7.0%	47.0%	♦
^	^	^	^	^	0.06	**0.07**	24.9%	9.6%	0.3%
0.07	0.08	0.09	0.11	0.13	0.16	**0.19**	19.8%	22.6%	0.8%
^	^	^	^	^	^	^	845.8%	23.6%	0.2%
^	^	^	^	^	^	^	30.6%	25.3%	0.1%
3.19	**3.83**	**4.54**	**5.57**	**7.14**	**8.82**	**10.22**	**15.9%**	**22.8%**	**40.9%**
11.42	**12.87**	**14.81**	**16.66**	**19.54**	**22.08**	**25.01**	**13.3%**	**15.5%**	**100.0%**
8.09	8.85	10.05	10.71	12.02	12.91	**14.41**	11.7%	12.1%	57.6%
3.32	4.02	4.77	5.94	7.52	9.18	**10.60**	15.5%	23.8%	42.4%
4.48	4.79	5.43	5.46	6.06	6.27	**6.85**	9.2%	11.1%	27.4%

Contents

Renewables: Renewable power generation*

Terawatt-hours	1965	1966	1967	1968	1969	1970	1971	1972	1973
Canada	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	0.2
US	13.3	14.1	14.1	15.5	16.2	16.2	16.6	18.7	20.0
Total North America	**13.3**	**14.1**	**14.1**	**15.5**	**16.2**	**16.2**	**16.6**	**18.7**	**20.2**
Argentina	-	-	-	-	-	^	^	0.1	^
Brazil	-	-	-	-	-	0.5	0.6	0.7	0.8
Chile	-	-	-	-	-	-	0.1	0.1	0.1
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	0.2	0.2	0.2
Trinidad & Tobago	-	-	-	-	-	-	^	^	^
Venezuela	-	-	-	-	-	-	-	-	-
Central America	-	-	-	-	-	-	0.1	0.1	0.1
Other Caribbean	-	-	-	-	-	-	1.0	0.8	1.0
Other South America	-	-	-	-	-	-	0.1	0.1	0.1
Total S. & Cent. America	**-**	**-**	**-**	**-**	**-**	**0.6**	**2.1**	**2.1**	**2.3**
Austria	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	0.1
Bulgaria	-	-	-	-	-	-	-	-	-
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finland	-	-	-	-	-	-	-	-	-
France	-	0.4	0.6	0.9	1.1	1.4	1.4	1.5	1.6
Germany	-	-	-	-	-	0.9	1.0	1.0	1.1
Greece	-	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	-	-	-	-	-
Iceland	-	-	-	-	^	^	^	^	^
Ireland	-	-	-	-	-	-	-	-	-
Italy	2.7	3.4	3.5	3.6	3.8	4.2	4.2	3.8	3.8
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	-	-	-	-	-	-	-	-	-
Poland	^	^	^	^	0.1	0.1	0.1	0.2	0.2
Portugal	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.2
Romania	-	-	-	-	-	-	-	-	-
Slovakia	-	-	-	-	-	-	-	-	-
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	-	-	-	-	-	^	0.1	0.1	0.1
Sweden	-	-	-	-	-	0.1	0.2	0.2	0.4
Switzerland	-	-	-	-	-	-	-	-	-
Turkey	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
United Kingdom	-	-	-	-	-	-	-	-	-
Other Europe	-	-	-	-	-	-	-	-	-
Total Europe	**3.0**	**4.1**	**4.5**	**5.0**	**5.4**	**7.1**	**7.2**	**7.1**	**7.7**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
USSR	-	-	-	-	-	-	-	-	-
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-

Oman	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Algeria	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-	-	-
Eastern Africa	-	-	-	-	-	-	0.1	0.1	0.1
Middle Africa	-	-	-	-	-	-	-	-	-
Western Africa	-	-	-	-	-	-	^	^	^
Other Northern Africa	-	-	-	-	-	-	-	-	-
Other Southern Africa	-	-	-	-	-	-	-	-	-
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**	**0.2**	**0.2**	**0.2**
Australia	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Bangladesh	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
China Hong Kong SAR	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	0.2	0.2	0.2	0.3
Malaysia	-	-	-	-	-	-	-	-	-
New Zealand	1.3	1.4	1.1	1.3	1.3	1.3	1.3	1.3	1.2
Pakistan	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
Thailand	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-
Total Asia Pacific	**1.6**	**1.6**	**1.4**	**1.6**	**1.6**	**1.8**	**1.8**	**1.8**	**1.8**
Total World	**18.0**	**19.8**	**20.0**	**22.1**	**23.3**	**25.7**	**27.9**	**29.9**	**32.1**
of which: OECD	18.0	19.8	20.0	22.1	23.3	25.1	25.6	27.6	29.7
Non-OECD	-	-	-	-	-	0.6	2.2	2.2	2.4
European Union #	2.9	4.0	4.3	4.8	5.2	6.9	7.1	6.9	7.4

* Renewable power is based on gross generation from renewable sources including wind, geothermal, solar, biomass and waste, and

^ Less than 0.05.

♦ Less than 0.05%.

n/a not available.

USSR includes CIS, Georgia, Ukraine and the Baltic states.

\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Notes: Annual changes and share of total are calculated using terawatt-hours

Contents

1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
-	-	0.7	1.1	1.1	1.3	1.3	1.9	2.1	2.1	2.3	1.7	1.9
0.5	0.5	0.6	0.6	0.6	1.0	0.9	1.0	1.3	1.4	1.4	1.6	3.4
20.4	19.8	22.6	23.5	24.7	25.8	26.7	27.4	26.4	29.8	35.6	36.4	38.7
20.9	**20.3**	**23.9**	**25.2**	**26.4**	**28.1**	**28.9**	**30.2**	**29.8**	**33.2**	**39.4**	**39.7**	**44.0**
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.8	0.9	0.9	1.1	1.3	1.8	1.8	1.9	2.2	3.0	2.9	3.1	3.2
^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3
-	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
-	-	-	-	-	-	-	-	-	-	-	-	-
0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2
^	^	^	^	^	^	^	^	^	^	^	^	^
-	-	-	-	-	-	-	-	-	-	-	-	-
0.2	0.3	0.7	0.7	0.8	0.6	0.7	1.1	1.2	1.0	1.2	0.9	0.9
1.0	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.4	1.5	1.3	1.2	1.3
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.4	**2.9**	**3.4**	**3.7**	**4.1**	**4.4**	**4.4**	**4.9**	**5.5**	**6.3**	**6.2**	**6.1**	**6.3**
-	-	-	-	-	-	-	-	-	-	-	-	1.3
0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	^	^	^	0.1	0.1
-	-	-	-	-	-	-	-	-	-	-	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	^	^	^	^	^	0.1	0.1	0.1	0.2
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
1.6	1.4	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.7
1.1	1.1	1.3	1.2	1.3	1.4	2.0	1.8	1.8	1.5	1.6	1.6	1.6
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
^	^	^	^	^	^	^	0.1	0.2	0.2	0.2	0.2	0.2
-	-	-	-	-	-	-	-	-	-	-	-	-
4.2	4.0	3.8	3.7	3.8	3.8	4.0	3.5	3.5	3.4	3.5	3.2	3.5
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
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-	0.8	0.9	0.9	1.2	1.1	1.0	1.1	0.3	0.2	^	0.4	0.6
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
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0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.3	0.4	0.4
0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.6	0.5
0.4	0.3	0.4	0.4	0.3	0.3	0.7	0.9	1.0	1.5	1.9	1.8	2.0
-	-	-	-	0.1	0.3	0.2	0.4	0.4	0.4	0.4	0.4	0.5
0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	-	-	^	^	^
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8.0	**8.5**	**8.5**	**8.9**	**9.4**	**9.8**	**10.8**	**10.8**	**9.9**	**10.2**	**10.5**	**11.0**	**13.2**
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
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0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
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0.2	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.7**
0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5
-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-
0.3	0.4	0.4	0.5	0.8	1.1	1.1	1.1	9.9	11.0	12.1	12.7	13.8
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1.8	1.8	1.7	1.7	1.7	1.6	1.7	1.6	1.6	1.7	1.8	1.7	1.8
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-	-	-	^	^	0.6	2.0	3.9	3.9	4.9	5.4	5.9	5.6
-	-	-	-	-	-	-	-	-	-	-	-	0.1
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2.5	**2.7**	**2.6**	**2.6**	**2.9**	**3.7**	**5.2**	**7.1**	**16.0**	**18.1**	**19.7**	**20.8**	**21.7**
34.0	**34.5**	**38.5**	**40.6**	**43.0**	**46.2**	**49.4**	**53.2**	**61.4**	**68.1**	**76.1**	**77.9**	**85.7**
31.5	31.5	35.0	36.8	38.8	41.1	42.9	44.3	51.9	56.8	64.5	65.8	73.4
2.5	3.0	3.5	3.8	4.2	5.1	6.5	8.9	9.5	11.3	11.6	12.1	12.3
7.8	8.3	8.3	8.6	9.1	9.3	10.4	10.1	9.3	9.6	10.0	10.5	12.4

not accounting for cross-border electricity supply.

1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
2.3	2.5	3.5	4.0	4.0	4.5	4.9	5.8	7.2	7.6	8.2	9.1	9.1
4.4	4.6	4.7	5.1	5.8	6.4	6.5	6.2	6.4	6.2	5.9	6.2	6.1
42.7	42.4	51.2	60.6	64.0	68.1	70.4	70.3	67.0	68.6	69.7	69.2	71.5
49.4	**49.5**	**59.4**	**69.7**	**73.8**	**79.0**	**81.8**	**82.4**	**80.6**	**82.4**	**83.8**	**84.4**	**86.7**
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.5	0.5	0.7
3.6	3.3	3.4	3.9	4.0	4.9	5.0	5.4	5.6	6.8	7.4	7.5	8.4
0.3	0.3	0.3	1.0	1.0	1.7	1.8	1.8	1.9	1.7	1.7	1.2	1.5
0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5
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0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
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0.9	0.9	1.2	1.2	1.3	1.8	1.7	1.7	1.8	1.8	1.9	1.7	2.5
1.3	1.4	1.4	1.6	1.4	1.5	1.1	1.1	1.0	1.2	1.2	1.0	1.2
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6.7	**6.6**	**6.9**	**8.3**	**8.4**	**10.7**	**10.3**	**10.8**	**11.1**	**12.6**	**13.5**	**12.7**	**15.0**
0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.2	1.9	1.6	1.7	1.9	1.6
0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5
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n/a	n/a	n/a	-	-	^	^	^	^	^	^	^	^
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-	-	-	-	-	-	0.2	0.3	0.4	0.3	0.5	0.6	0.7
0.2	0.4	0.6	0.8	1.1	1.4	1.8	1.7	1.8	2.1	2.9	3.9	4.3
-	-	-	-	-	-	-	-	^	^	^	^	^
-	-	-	5.2	5.0	5.0	6.0	6.5	6.6	5.9	7.9	9.4	8.4
1.8	1.8	1.8	1.9	2.1	2.1	2.0	2.2	2.3	2.4	2.7	2.7	2.9
1.4	1.6	1.8	1.5	1.6	1.8	2.2	2.8	3.5	4.1	5.3	7.8	9.1
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0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.7	1.1
-	-	-	-	-	^	^	^	^	^	0.1	0.3	0.3
3.7	3.8	3.2	3.3	3.3	3.6	3.8	3.6	3.7	4.2	4.6	5.3	6.0
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0.7	0.9	0.9	0.7	0.8	0.9	1.0	1.2	1.3	1.8	1.9	2.2	2.4
n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-
^	^	^	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3
0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
0.6	0.7	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.2	1.4
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n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	^
0.6	0.7	0.6	0.6	0.6	0.7	0.7	0.8	1.3	1.5	2.2	2.9	4.5
2.0	2.0	2.2	1.9	1.9	2.0	2.2	2.3	2.5	2.3	3.0	3.1	3.1
0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.3	0.2
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-	^	^	0.6	0.7	1.0	1.4	1.9	2.0	2.3	2.8	3.5	4.3
-	-	-	-	-	-	^	^	^	^	^	^	^
13.1	**14.0**	**14.1**	**19.7**	**20.5**	**22.3**	**25.2**	**27.0**	**30.4**	**31.6**	**39.0**	**47.4**	**52.4**
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-	-	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
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-	**-**	**-**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
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-	-	-	-	-	-	-	-	-	0.1	0.1	0.2	0.2
0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.7	0.9	0.9	1.1	1.1
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^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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-	-	-	-	-	^	0.1	0.1	0.2	0.2	0.2	0.2	0.2
0.7	**0.6**	**0.6**	**0.8**	**0.8**	**0.8**	**0.9**	**0.8**	**1.0**	**1.3**	**1.4**	**1.7**	**1.7**
0.5	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.9	1.0	1.0	1.1	1.2
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-	-	-	0.1	0.1	0.2	0.3	0.8	3.6	1.6	2.9	2.8	3.0
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	0.1	0.2	0.2	0.3	0.6	1.1	1.6	2.0	2.4	3.1
-	-	-	1.1	1.1	1.1	1.1	1.6	2.2	2.3	2.7	3.3	3.9
14.8	16.0	17.0	11.3	11.7	11.9	11.6	13.5	14.3	15.3	16.5	16.3	16.7
-	-	-	-	-	-	-	-	-	-	-	-	-
1.8	1.8	2.3	2.6	2.8	2.8	2.9	2.7	2.7	2.6	2.7	3.1	3.3
-	-	-	-	-	-	-	-	-	-	-	-	-
4.9	5.2	5.7	5.9	5.8	5.7	5.7	6.3	6.1	6.5	7.2	8.9	10.6
0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-	-	-	^	^	^	^	^	0.3	0.4	0.1	0.1	0.1
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^	^	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.6	0.8
^	^	^	^	^	^	^	0.1	0.1	0.2	0.3	0.3	0.4
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	^	^	^	^	^	^	^	^	^	^
22.0	**23.8**	**26.2**	**22.4**	**23.0**	**23.3**	**23.3**	**27.0**	**32.1**	**32.5**	**36.3**	**39.2**	**43.5**
91.8	**94.6**	**107.3**	**121.0**	**126.6**	**136.1**	**141.5**	**148.1**	**155.3**	**160.5**	**174.1**	**185.5**	**199.5**
79.8	82.3	93.9	105.1	110.6	118.3	123.9	128.1	131.0	135.0	144.9	153.6	162.0
12.1	12.3	13.4	15.8	16.0	17.8	17.6	20.0	24.3	25.4	29.1	32.0	37.5
12.2	13.2	13.2	18.7	19.5	21.2	24.1	25.8	28.9	30.0	37.4	45.4	50.0

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
9.2	10.0	10.5	10.1	10.8	10.7	11.4	12.0	11.8	15.7	19.3	21.0	23.1
6.4	6.3	6.1	7.0	7.3	8.2	7.5	8.5	8.2	8.2	8.7	9.1	10.5
72.8	74.2	82.8	83.2	86.9	91.3	100.8	109.8	131.1	149.9	173.7	201.9	228.3
88.3	**90.5**	**99.4**	**100.4**	**105.0**	**110.2**	**119.7**	**130.3**	**151.1**	**173.7**	**201.7**	**231.9**	**261.9**
0.7	0.7	0.9	1.1	1.0	1.1	1.6	1.6	1.7	1.8	2.0	2.2	2.8
7.9	9.0	10.3	12.0	12.5	13.7	15.1	18.7	21.0	24.1	34.1	35.3	40.8
1.4	1.7	1.8	1.7	2.0	1.8	1.4	2.7	3.6	3.5	3.7	4.7	6.4
0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	1.1	1.1	1.4	1.5
-	-	-	-	^	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.7	0.7	0.7
^	^	^	^	^	^	^	^	^	^	^	^	^
-	-	-	-	-	-	-	-	-	-	^	^	^
3.0	3.2	3.6	3.8	4.0	4.2	4.6	5.0	5.1	5.7	6.6	6.8	8.1
1.4	1.3	1.2	1.0	1.1	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.9
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.1	1.2	1.4	1.5	1.7
15.2	**16.8**	**18.7**	**20.5**	**21.6**	**22.9**	**24.9**	**30.6**	**34.9**	**39.2**	**51.0**	**54.2**	**64.3**
1.6	1.8	1.7	2.1	3.0	3.8	5.0	6.1	6.3	6.3	6.6	6.6	7.4
0.6	0.6	0.8	0.9	1.2	1.8	2.6	3.1	4.0	5.1	6.2	8.2	10.1
-	-	-	-	^	^	^	^	0.1	0.2	0.7	1.0	2.1
^	-	-	-	^	^	^	^	0.1	0.1	0.2	0.3	0.4
-	-	-	-	^	^	^	^	^	^	0.1	0.2	0.3
0.5	0.5	0.5	0.5	0.6	0.7	1.0	1.3	1.7	2.2	3.1	5.2	6.0
5.5	5.8	6.8	8.1	9.5	9.8	9.2	10.3	10.1	10.0	12.4	14.2	14.8
^	^	^	^	^	0.1	0.1	0.1	0.2	0.5	1.0	1.2	1.4
8.7	8.3	9.0	9.4	10.5	9.7	10.9	10.1	10.7	9.0	11.3	11.7	11.6
3.0	3.5	3.8	4.1	4.4	4.8	6.0	8.3	10.2	12.7	15.5	19.6	24.3
14.3	15.8	22.0	27.9	36.5	42.9	51.6	67.2	72.8	76.1	84.2	106.4	121.3
0.5	0.8	0.8	1.1	1.2	1.4	1.8	2.0	2.4	2.8	3.1	4.1	5.7
0.1	0.1	^	0.2	0.7	1.7	1.3	1.7	2.1	2.7	2.8	2.5	2.4
1.3	1.5	1.4	1.4	1.5	1.7	2.6	3.6	4.0	4.6	4.5	4.7	5.2
0.3	0.4	0.5	0.5	0.8	1.2	1.8	2.1	2.6	3.2	3.1	4.7	4.5
6.7	7.5	8.8	10.2	11.5	12.4	13.6	14.9	16.5	20.1	25.8	37.1	50.3
^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4
-	^	^	^	^	^	^	0.2	0.2	0.3	0.4	0.6	0.8
^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
2.8	3.2	3.9	3.9	5.2	7.4	8.0	7.5	9.4	10.7	11.1	12.3	12.4
-	-	-	-	-	-	-	-	-	-	^	^	^
0.3	0.3	0.3	0.6	0.6	0.8	1.0	1.3	1.3	1.2	1.2	1.6	1.9
0.2	0.5	0.5	0.6	1.0	1.6	2.2	3.1	4.5	6.3	8.0	10.8	14.8
1.5	1.7	1.9	2.0	2.4	3.5	4.7	6.1	7.8	10.0	12.2	12.6	13.8
-	-	^	^	^	^	^	^	^	^	0.4	1.6	2.9
-	0.2	0.2	0.1	^	^	0.4	0.5	0.5	0.5	0.7	1.2	1.4
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.3	0.4
6.2	8.4	12.0	15.3	19.1	23.9	26.2	31.0	38.8	47.4	54.6	55.6	66.4
4.6	4.3	4.8	5.2	8.1	8.4	9.3	11.3	12.3	14.0	15.7	17.6	19.4
0.8	0.9	0.9	1.0	1.0	1.0	1.2	1.2	1.3	1.3	1.4	1.6	1.9
0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.6	1.2	2.2	3.9	5.8	7.4
^	^	^	^	^	^	^	0.3	0.3	0.2	0.2	0.3	0.8
4.8	5.5	6.3	7.5	9.3	12.0	13.5	14.6	16.8	20.0	22.6	29.5	35.9
^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1
64.9	**72.1**	**87.4**	**103.0**	**128.8**	**151.3**	**175.0**	**209.0**	**238.9**	**270.3**	**313.6**	**379.5**	**448.7**
-	-	-	-	-	-	-	-	-	^	^	-	-
-	-	-	-	^	^	^	^	^	0.1	0.1	0.1	0.1
-	-	-	-	-	-	-	-	-	-	-	^	^
0.1	0.1	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5
-	-	-	-	-	-	-	-	-	-	^	^	^
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	^	^	^	^	^	^	^
0.1	**0.1**	**0.2**	**0.4**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.7**	**0.6**
^	^	^	^	^	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
-	-	-	-	-	-	-	-	-	-	-	-	-
-	^	^	^	^	^	^	^	^	0.1	0.1	0.3	0.5
-	-	-	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	0.1	0.1
-	-	-	-	-	-	-	-	^	^	^	^	^
-	-	-	-	-	-	-	-	-	^	^	^	^
^	^	^	^	^	^	^	^	^	^	^	^	^
^	**0.1**	**^**	**^**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.3**	**0.4**	**0.7**	**0.9**
-	-	-	-	-	-	-	-	-	-	^	^	^
0.1	0.2	0.2	0.3	0.5	0.5	0.6	0.7	0.9	1.0	1.4	1.7	1.8
0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.7	0.7	0.7
0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
1.5	1.6	1.5	1.9	2.2	2.2	2.3	2.2	2.4	2.7	3.1	3.1	3.5
^	^	^	^	^	^	0.7	0.1	0.1	0.1	0.1	0.1	0.1
0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2
0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.3	0.3
2.5	**2.8**	**2.8**	**3.2**	**3.8**	**3.8**	**4.7**	**4.2**	**4.7**	**5.3**	**6.3**	**6.9**	**7.6**
1.1	1.1	1.9	2.5	3.7	5.3	6.2	7.2	7.3	7.5	8.4	11.1	13.2
-	-	^	^	^	^	^	^	^	^	0.1	0.1	0.1
3.1	3.3	3.4	3.6	3.9	7.4	10.9	15.5	28.1	48.8	75.0	104.3	136.8
-	-	-	-	-	-	^	^	^	^	0.1	0.1	0.1
3.3	4.2	4.2	5.3	8.6	10.0	14.9	19.1	23.7	28.0	33.9	41.9	49.5
4.9	6.0	6.2	6.3	6.7	6.6	6.7	7.0	8.3	9.3	9.4	9.5	9.6
16.6	16.8	18.0	19.7	20.8	25.2	25.7	27.3	26.8	26.8	29.7	31.0	34.2
0.6	0.6	0.4	0.4	0.6	0.6	0.6	0.8	0.8	1.4	1.3	1.5	1.5
3.6	3.4	3.3	3.3	3.6	4.2	4.5	5.0	5.8	6.9	8.1	8.6	8.8
0.9	0.9	1.0	1.0	1.1	-	-	^	^	^	^	^	0.1
11.6	10.4	10.2	9.8	10.3	9.9	10.5	10.3	10.8	10.4	10.0	10.1	10.5
0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
0.1	0.1	0.2	0.2	0.4	0.4	0.5	0.9	1.5	2.6	3.3	3.7	4.2
^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.2
1.1	1.4	1.7	1.8	1.9	1.9	2.1	2.3	2.4	2.5	2.9	3.4	3.4
0.5	0.6	0.8	1.2	1.8	1.9	2.0	2.5	2.2	2.3	3.4	4.1	5.2
-	-	-	-	-	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1
^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
47.6	**49.4**	**52.0**	**55.7**	**63.7**	**74.1**	**85.4**	**98.5**	**118.5**	**147.3**	**186.4**	**230.5**	**278.4**
218.6	**231.7**	**260.5**	**283.1**	**323.4**	**362.8**	**410.3**	**473.3**	**548.8**	**636.7**	**760.1**	**904.5**	**1062.4**
175.9	185.7	212.0	230.6	264.2	298.3	332.9	381.9	434.5	490.8	566.9	667.4	771.5
42.7	46.0	48.5	52.5	59.2	64.5	77.4	91.4	114.3	145.9	193.2	237.0	291.0
62.2	69.1	84.4	99.8	125.5	147.4	169.8	201.9	230.7	260.8	302.3	365.5	431.5

							Growth rate per annum		Share
2013	2014	2015	2016	2017	2018	**2019**	2019	2008-18	2019
23.7	24.7	39.8	45.6	45.9	47.1	**49.3**	4.3%	14.1%	1.8%
11.6	13.8	16.4	18.0	19.5	23.3	**37.8**	61.8%	10.4%	1.3%
266.2	296.8	315.8	367.4	417.7	451.6	**489.8**	8.1%	12.5%	17.5%
301.5	**335.3**	**372.1**	**431.0**	**483.2**	**522.0**	**576.9**	**10.1%**	**12.5%**	**20.6%**
2.9	2.9	3.0	2.5	3.0	4.0	**8.2**	103.4%	8.1%	0.3%
47.6	59.3	71.6	84.9	96.1	106.3	**117.7**	10.3%	16.9%	4.2%
7.4	6.9	9.0	11.7	15.0	17.9	**21.6**	20.4%	16.6%	0.8%
1.4	1.8	1.9	2.0	2.0	2.2	**2.2**	1.6%	13.8%	0.1%
0.4	0.5	0.5	0.6	0.5	0.5	**0.7**	28.9%	9.3%	♦
1.2	1.7	1.7	1.9	2.4	3.5	**4.0**	14.7%	21.7%	0.1%
^	^	^	^	^	^	**^**	-0.4%	-15.3%	♦
^	^	^	^	^	^	**0.2**	1688.5%	-	♦
8.8	10.0	11.9	13.4	13.3	15.7	**16.7**	6.2%	11.2%	0.6%
2.4	2.5	2.7	2.9	3.3	3.5	**4.4**	25.8%	11.5%	0.2%
2.0	3.2	5.1	6.2	7.1	8.3	**8.5**	1.5%	22.1%	0.3%
74.0	**88.9**	**107.5**	**126.2**	**142.8**	**161.9**	**184.1**	**13.3%**	**15.9%**	**6.6%**
8.4	9.0	10.3	11.0	12.8	12.3	**13.6**	9.8%	6.2%	0.5%
11.3	12.0	14.2	14.0	15.6	16.8	**18.6**	10.1%	14.7%	0.7%
2.8	2.8	3.1	3.2	3.3	4.2	**4.3**	3.0%	39.7%	0.2%
0.7	0.9	1.1	1.5	1.8	2.1	**2.4**	13.7%	41.5%	0.1%
0.3	0.3	0.4	0.4	0.4	0.5	**0.5**	10.4%	39.8%	♦
6.5	7.3	7.6	7.4	7.7	7.8	**7.9**	1.3%	15.6%	0.3%
16.0	18.0	18.9	18.4	21.9	20.9	**23.6**	12.3%	6.9%	0.8%
1.2	1.3	1.5	1.5	2.4	1.9	**1.9**	1.6%	26.5%	0.1%
12.7	12.8	13.7	14.5	16.1	18.1	**18.4**	1.0%	4.8%	0.7%
26.2	29.0	35.0	37.2	41.5	46.9	**54.9**	16.6%	15.8%	2.0%
129.3	142.9	169.8	169.1	196.2	206.8	**224.1**	8.0%	10.3%	8.0%
8.0	7.7	8.8	9.4	9.8	10.4	**11.6**	10.7%	14.9%	0.4%
2.6	2.8	3.0	3.0	3.3	3.5	**4.3**	20.5%	4.4%	0.2%
5.3	5.2	5.0	5.1	5.2	6.0	**6.0**	-0.2%	3.4%	0.2%
5.0	5.7	7.1	6.8	8.2	9.5	**10.6**	11.3%	13.1%	0.4%
59.2	62.1	63.4	65.6	67.7	65.6	**67.6**	2.7%	14.1%	2.4%
0.6	0.8	0.9	1.0	1.1	1.1	**1.1**	5.7%	25.6%	♦
1.0	1.1	1.3	1.6	1.9	1.7	**2.1**	23.0%	23.1%	0.1%
0.3	0.3	0.3	0.3	0.5	0.6	**0.7**	12.5%	14.0%	♦
12.1	11.6	13.6	14.6	17.4	18.8	**22.3**	18.0%	6.6%	0.8%
^	0.1	0.2	0.2	0.2	0.2	**0.2**	3.0%	-	♦
2.3	2.5	2.8	2.4	3.1	4.2	**5.9**	41.3%	11.5%	0.2%
14.6	17.7	20.9	20.7	21.6	19.6	**23.1**	17.1%	15.3%	0.8%
15.7	16.0	15.7	16.5	16.7	17.0	**18.6**	8.7%	7.4%	0.7%
5.2	6.5	9.6	8.9	9.8	8.5	**9.0**	5.4%	75.5%	0.3%
1.5	2.0	2.2	2.3	2.2	2.2	**1.9**	-14.3%	14.8%	0.1%
0.5	0.5	0.5	0.6	0.6	0.5	**0.6**	2.6%	5.7%	♦
74.2	71.1	68.9	68.2	69.5	69.8	**77.5**	10.6%	5.4%	2.8%
21.3	22.0	27.1	27.1	29.9	28.9	**33.6**	15.7%	8.2%	1.2%
2.2	2.6	2.8	3.2	3.7	3.9	**4.1**	6.5%	11.0%	0.1%
9.8	12.0	16.5	23.0	29.0	37.8	**45.3**	19.4%	40.9%	1.6%
1.3	1.7	1.7	1.6	1.9	2.5	**5.0**	99.5%	22.6%	0.2%
48.5	58.6	77.1	77.6	92.9	104.5	**113.4**	8.1%	19.4%	4.0%
0.1	0.2	0.4	0.5	0.8	1.1	**2.0**	85.9%	35.1%	0.1%
506.8	**547.2**	**625.3**	**638.4**	**716.7**	**756.3**	**836.6**	**10.2%**	**11.5%**	**29.8%**
0.1	0.1	0.1	0.1	0.1	0.2	**0.3**	27.7%	-	♦
0.1	0.1	0.1	0.2	0.3	0.3	**0.3**	3.9%	24.6%	♦
^	^	0.2	0.4	0.4	0.5	**0.8**	49.1%	-	♦
0.5	0.8	1.0	1.1	1.2	1.4	**1.8**	31.0%	10.2%	0.1%
^	^	^	^	^	^	**^**	-0.4%	-	♦
n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
-	-	-	^	^	^	**^**	132.5%	-	♦
^	^	^	^	^	0.1	**0.1**	16.5%	39.8%	♦
0.7	**1.0**	**1.4**	**1.8**	**2.1**	**2.5**	**3.3**	**30.7%**	**16.1%**	**0.1%**
0.2	0.2	0.3	0.3	0.4	0.5	**0.6**	12.1%	9.0%	♦
^	0.1	0.1	0.1	0.1	0.1	**0.1**	-0.4%	-	♦
0.5	0.9	1.2	1.7	1.7	1.7	**2.9**	65.3%	58.9%	0.1%
^	^	^	^	0.1	0.1	**0.2**	91.4%	-	♦

^	^	^	^	^	^	**^**	-0.4%	-	♦
0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	-0.4%	-	♦
^	^	0.1	0.1	0.2	0.4	**1.8**	365.6%	89.2%	0.1%
0.1	0.3	0.3	0.3	0.8	1.3	**4.2**	214.8%	-	0.1%
^	0.1	0.3	1.5	2.2	3.3	**3.6**	8.9%	68.3%	0.1%
1.1	**1.8**	**2.5**	**4.1**	**5.5**	**7.5**	**13.3**	**77.3%**	**40.8%**	**0.5%**
^	0.1	0.1	0.3	0.5	0.6	**0.6**	1.6%	-	♦
1.6	1.2	1.9	2.6	2.7	3.5	**6.5**	82.0%	13.6%	0.2%
1.2	1.9	2.5	3.4	3.5	4.8	**6.3**	30.6%	31.2%	0.2%
0.8	2.6	6.2	7.9	10.6	12.3	**12.6**	2.7%	36.9%	0.5%
4.0	5.4	7.4	7.6	7.8	8.7	**16.5**	89.5%	13.2%	0.6%
0.1	0.1	^	0.1	0.1	0.1	**0.1**	-0.3%	-0.8%	♦
0.4	0.5	0.6	0.7	0.9	1.3	**1.3**	0.8%	15.8%	♦
0.4	0.5	0.5	0.6	0.6	0.6	**0.7**	14.0%	28.0%	♦
0.3	0.3	0.3	0.3	0.3	0.3	**0.5**	43.2%	7.7%	♦
8.8	**12.5**	**19.6**	**23.5**	**27.0**	**32.2**	**45.1**	**39.5%**	**20.6%**	**1.6%**
16.4	18.3	21.7	24.2	25.7	32.2	**41.1**	26.8%	15.3%	1.5%
0.1	0.2	0.2	0.2	0.3	0.3	**0.4**	39.0%	32.1%	♦
183.8	229.5	279.1	369.5	502.0	636.4	**732.3**	14.6%	35.8%	26.1%
0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	10.4%	61.1%	♦
55.9	63.0	65.1	79.8	99.2	122.8	**134.9**	9.4%	17.2%	4.8%
9.5	10.2	10.3	11.0	13.1	14.6	**16.0**	9.0%	5.1%	0.6%
41.2	52.2	68.2	68.1	81.9	96.8	**121.2**	24.7%	13.0%	4.3%
1.2	0.9	1.0	1.1	1.1	1.3	**1.7**	28.8%	4.4%	0.1%
9.0	10.1	10.8	10.8	10.6	10.5	**10.8**	2.4%	5.5%	0.4%
0.5	1.0	1.7	2.8	4.0	5.2	**6.9**	33.0%	123.2%	0.2%
9.9	10.7	12.3	13.9	13.6	13.9	**14.3**	2.0%	2.0%	0.5%
0.7	0.8	0.9	0.9	0.9	0.9	**1.0**	5.5%	5.0%	♦
5.7	7.7	11.0	14.0	19.0	23.9	**29.2**	21.8%	30.9%	1.0%
0.3	0.3	0.4	0.5	0.7	0.8	**0.8**	7.0%	47.0%	♦
3.8	4.0	4.3	4.5	5.3	6.4	**8.0**	24.9%	9.6%	0.3%
7.2	9.0	10.0	12.5	14.9	17.8	**21.4**	19.8%	22.6%	0.8%
0.1	0.1	0.3	0.3	0.4	0.5	**4.7**	845.8%	23.6%	0.2%
0.3	0.4	0.6	0.7	0.9	1.1	**1.4**	30.6%	25.3%	0.1%
346.0	**418.6**	**498.2**	**614.9**	**793.5**	**985.5**	**1146.2**	**15.9%**	**22.8%**	**40.9%**
1238.9	**1405.2**	**1626.7**	**1839.9**	**2170.8**	**2468.0**	**2805.5**	**13.3%**	**15.5%**	**100.0%**
878.2	965.9	1103.0	1183.5	1335.4	1442.4	**1616.8**	11.7%	12.1%	57.6%
360.7	439.3	523.7	656.4	835.4	1025.6	**1188.8**	15.5%	23.8%	42.4%
485.8	522.9	596.1	602.8	673.1	700.9	**768.2**	9.2%	11.1%	27.4%

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Renewable energy: Generation by source

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Terawatt-hours	Wind	Solar	Other renewables*	2018 Total	Wind	Solar	Other renewables*	2019 Total	2019 Growth rate Wind	Solar	Other renewables*	Total
Canada	33.2	3.9	10.0	47.1	34.2	4.3	10.8	**49.3**	3.0%	11.9%	7.7%	4.7%
Mexico	13.1	3.2	7.0	23.3	17.6	12.4	7.8	**37.8**	34.5%	291.2%	10.8%	62.4%
US	275.4	94.3	81.9	451.6	303.1	108.4	78.3	**489.8**	10.1%	14.9%	-4.4%	8.5%
Total North America	**321.7**	**101.3**	**98.9**	**522.0**	**354.9**	**125.1**	**96.9**	**576.9**	10.3%	23.5%	-2.1%	10.5%
Argentina	1.4	0.1	2.5	4.0	5.0	0.8	2.4	**8.2**	253.6%	639.6%	-3.8%	104.2%
Brazil	48.5	3.5	54.4	106.3	55.8	5.6	56.3	**117.7**	15.2%	60.7%	3.4%	10.7%
Chile	3.6	5.1	9.2	17.9	5.3	6.3	10.0	**21.6**	47.7%	23.1%	9.1%	20.9%
Colombia	0.1	^	2.1	2.2	0.1	0.1	2.0	**2.2**	7.4%	925.6%	-3.4%	2.0%
Ecuador	0.1	^	0.4	0.5	0.1	0.2	0.5	**0.7**	6.6%	337.1%	6.3%	29.4%
Peru	1.5	0.7	1.2	3.5	1.6	0.8	1.6	**4.0**	9.6%	2.2%	29.7%	15.2%
Trinidad & Tobago	-	^	-	^	-	^	-	**^**	-	-	-	-
Venezuela	-	^	-	^	0.1	^	-	**0.2**	-	33.0%	-	1695.2%
Other S. & Cent. America	10.6	3.2	13.6	27.5	11.1	3.9	14.6	**29.6**	4.2%	19.9%	7.4%	7.7%
Total S. & Cent. America	**65.8**	**12.7**	**83.4**	**161.9**	**79.2**	**17.6**	**87.4**	**184.1**	20.4%	38.3%	4.7%	13.7%
Austria	6.0	1.4	4.9	12.3	7.4	1.4	4.8	**13.6**	23.3%	-6.0%	-1.4%	10.2%
Belgium	7.5	3.9	5.5	16.8	9.5	3.9	5.1	**18.6**	27.7%	1.1%	-6.3%	10.5%
Czech Republic	0.6	2.3	4.8	7.8	0.7	2.3	4.9	**7.9**	14.9%	-2.5%	2.0%	1.7%
Finland	5.8	0.1	12.2	18.1	6.0	0.2	12.2	**18.4**	2.5%	97.5%	0.1%	1.4%
France	28.1	10.3	8.5	46.9	34.5	11.7	8.7	**54.9**	22.8%	13.7%	2.1%	17.0%
Germany	110.0	45.8	51.0	206.8	126.0	47.5	50.6	**224.1**	14.6%	3.8%	-0.9%	8.4%
Greece	6.3	3.8	0.3	10.4	7.3	4.0	0.3	**11.6**	15.5%	4.5%	2.2%	11.1%
Hungary	0.6	0.6	2.3	3.5	0.7	1.4	2.1	**4.3**	19.6%	123.2%	-6.4%	20.9%
Italy	17.7	22.7	25.3	65.6	20.1	24.3	23.2	**67.6**	13.2%	7.4%	-8.0%	3.0%
Netherlands	10.6	3.7	4.6	18.8	11.5	5.2	5.6	**22.3**	8.5%	40.5%	23.7%	18.4%
Norway	3.9	0.1	0.2	4.2	5.5	0.1	0.3	**5.9**	42.8%	32.2%	27.6%	41.9%
Poland	12.8	0.3	6.5	19.6	15.0	0.7	7.3	**23.1**	17.5%	137.7%	12.2%	17.6%
Portugal	12.6	1.0	3.4	17.0	13.7	1.3	3.5	**18.6**	8.9%	26.9%	4.8%	9.1%
Romania	6.3	1.8	0.4	8.5	6.7	1.7	0.5	**9.0**	6.7%	-2.1%	24.6%	5.8%
Spain	50.9	12.7	6.2	69.8	56.2	15.0	6.3	**77.5**	10.4%	18.0%	1.7%	11.0%
Sweden	16.6	0.4	11.9	28.9	19.9	0.6	13.1	**33.6**	19.6%	50.1%	10.1%	16.1%
Switzerland	0.1	1.9	1.8	3.9	0.1	2.3	1.8	**4.1**	-	16.3%	-2.7%	6.9%
Turkey	19.9	7.8	10.1	37.8	21.7	10.9	12.7	**45.3**	8.8%	40.0%	26.1%	19.8%
Ukraine	1.2	1.1	0.2	2.5	1.9	2.9	0.2	**5.0**	58.6%	162.8%	9.5%	100.2%
United Kingdom	56.9	12.9	34.8	104.5	64.1	12.7	36.6	**113.4**	12.7%	-1.4%	5.1%	8.5%
Other Europe	0.6	0.3	0.2	1.1	1.5	0.3	0.2	**2.0**	138.7%	13.9%	16.1%	86.6%
Total Europe	**402.8**	**138.6**	**215.0**	**756.3**	**461.6**	**154.7**	**220.3**	**836.6**	14.6%	11.6%	2.5%	10.6%
Azerbaijan	0.1	^	0.1	0.2	0.1	^	0.1	**0.3**	63.8%	11.6%	-	28.1%
Belarus	0.1	0.1	0.1	0.3	0.1	0.1	0.1	**0.3**	7.4%	1.5%	4.5%	4.3%
Kazakhstan	0.4	0.1	^	0.5	0.5	0.3	^	**0.8**	28.7%	105.8%	110.6%	49.6%

Russian Federation	0.2	0.6	0.5	1.4	0.3	1.0	0.5	**1.8**	32.7%	57.7%	-0.5%	31.5%
Turkmenistan	-	^	-	^	-	^	-	**^**	-	-	-	-
Uzbekistan	-	^	-	^	-	^	-	**^**	-	133.3%	-	133.3%
Other CIS	^	^	^	0.1	^	^	^	**0.1**	5.6%	64.6%	-	16.9%
Total CIS	**0.8**	**0.9**	**0.7**	**2.5**	**1.1**	**1.5**	**0.7**	**3.3**	30.1%	55.8%	0.7%	31.1%
Iran	0.3	0.1	^	0.5	0.4	0.2	^	**0.6**	7.2%	28.2%	-	12.5%
Iraq	-	0.1	-	0.1	-	0.1	-	**0.1**	-	-	-	-
Israel	0.1	1.6	0.1	1.7	0.1	2.7	0.1	**2.9**	-	72.8%	-	65.9%
Kuwait	^	0.1	-	0.1	^	0.1	-	**0.2**	-	116.7%	-	92.2%
Oman	-	^	-	^	-	^	-	**^**	-	-	-	-
Qatar	-	^	0.1	0.1	-	^	0.1	**0.1**	-	-	-	-
Saudi Arabia	-	0.4	-	0.4	-	1.8	-	**1.8**	-	367.4%	-	367.4%
United Arab Emirates	^	1.3	^	1.3	^	4.2	^	**4.2**	-	217.2%	-	216.0%
Other Middle East	0.7	2.6	^	3.3	0.7	2.9	^	**3.6**	-	11.9%	-	9.3%
Total Middle East	**1.1**	**6.1**	**0.3**	**7.5**	**1.2**	**11.9**	**0.3**	**13.3**	2.1%	95.4%	-	78.0%
Algeria	^	0.6	-	0.6	^	0.6	-	**0.6**	-	2.0%	-	2.0%
Egypt	2.0	1.5	-	3.5	2.8	3.7	-	**6.5**	37.5%	143.4%	-	82.7%
Morocco	3.8	1.0	-	4.8	4.7	1.6	-	**6.3**	22.4%	66.4%	-	31.1%
South Africa	6.9	4.9	0.4	12.3	6.9	5.3	0.4	**12.6**	0.7%	6.6%	-	3.0%
Other Africa	1.5	1.9	7.6	11.0	3.1	8.2	7.8	**19.1**	102.5%	345.3%	1.6%	73.4%
Total Africa	**14.3**	**9.9**	**8.1**	**32.2**	**17.5**	**19.4**	**8.2**	**45.1**	22.5%	96.7%	1.5%	40.0%
Australia	16.4	12.3	3.6	32.2	19.5	18.0	3.6	**41.1**	19.0%	46.2%	0.6%	27.3%
Bangladesh	^	0.3	^	0.3	^	0.4	^	**0.4**	-	41.2%	-	39.5%
China	365.8	176.9	93.7	636.4	405.7	223.8	102.8	**732.3**	10.9%	26.5%	9.7%	15.1%
China Hong Kong SAR	^	^	0.1	0.1	^	^	0.1	**0.1**	-3.4%	-3.4%	11.2%	10.8%
India	60.3	36.3	26.2	122.8	63.3	46.3	25.4	**134.9**	5.0%	27.3%	-3.2%	9.8%
Indonesia	0.2	^	14.4	14.6	0.2	0.1	15.7	**16.0**	-	218.1%	9.3%	9.4%
Japan	7.4	66.1	23.4	96.8	8.6	75.3	37.3	**121.2**	17.2%	14.0%	59.5%	25.2%
Malaysia	-	0.5	0.8	1.3	-	0.8	0.9	**1.7**	-	64.6%	8.5%	29.3%
New Zealand	2.1	0.1	8.4	10.5	2.3	0.1	8.4	**10.8**	9.1%	27.7%	0.9%	2.7%
Pakistan	3.1	1.0	1.0	5.2	4.8	1.2	0.9	**6.9**	52.3%	13.7%	-5.2%	33.5%
Philippines	1.2	1.2	11.5	13.9	1.2	1.3	11.8	**14.3**	1.9%	6.6%	2.0%	2.4%
Singapore	-	0.1	0.8	0.9	-	0.2	0.8	**1.0**	-	44.0%	-0.8%	5.9%
South Korea	2.6	9.7	11.7	23.9	2.8	12.1	14.3	**29.2**	6.6%	25.6%	22.9%	22.2%
Sri Lanka	0.4	0.3	0.1	0.8	0.4	0.4	0.1	**0.8**	-	16.2%	6.5%	7.4%
Taiwan	1.7	2.7	2.0	6.4	1.9	4.1	2.0	**8.0**	11.0%	51.3%	1.3%	25.3%
Thailand	1.9	5.0	10.9	17.8	2.7	5.0	13.7	**21.4**	36.6%	0.5%	26.4%	20.2%
Vietnam	0.3	0.1	0.1	0.5	0.5	4.2	0.1	**4.7**	58.2%	3583.7%	-	849.3%
Other Asia Pacific	0.4	0.5	0.2	1.1	0.5	0.7	0.2	**1.4**	43.5%	32.0%	-	31.1%
Total Asia Pacific	**463.7**	**313.2**	**208.6**	**985.5**	**514.3**	**393.9**	**238.0**	**1146.2**	10.9%	25.8%	14.1%	16.3%
Total World	**1270.2**	**582.8**	**615.0**	**2468.0**	**1429.6**	**724.1**	**651.8**	**2805.5**	**12.6%**	**24.3%**	**6.0%**	**13.7%**
of which: OECD	745.4	329.9	367.0	1442.4	841.8	387.2	387.8	**1616.8**	12.9%	17.4%	5.7%	12.1%
Non-OECD	524.7	252.8	248.0	1025.6	587.9	336.9	264.0	**1188.8**	12.0%	33.2%	6.5%	15.9%

European Union	376.9	127.5	196.4	700.9	430.7	138.4	199.1	**768.2**	14.3%	8.5%	1.3%	9.6%

Based on gross generation and not accounting for cross-border electricity supply.
* Includes electricity generated from: geothermal, biomass and other sources of renewable energy (not already itemised).
^ Less than 0.05.
♦ Less than 0.05%.
A more extensive time series of renewables by source is available at *bp.com/statisticalreview* .

Renewables: Generation - Solar*

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Terawatt-hours	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.3
Total North America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.3
Argentina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Caribbean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other South America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total S. & Cent. America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	-	^	-
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	-	^	^
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
USSR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Total CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Western Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total World	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.3
of which: OECD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.3
Non-OECD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
European Union #	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	-	^	^

Terawatt-hours	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.3	0.6	0.9	1.5	2.1	2.9	3.3	3.6	3.9	**4.3**	11.9%	60.0%	0.6%
Mexico	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.2	0.2	0.3	1.2	3.2	**12.4**	291.2%	66.9%	1.7%
US	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	1.1	1.6	2.1	3.0	4.7	9.0	16.0	29.2	39.4	55.4	78.1	94.3	**108.4**	14.9%	50.0%	15.0%
Total North America	0.4	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.8	0.9	1.1	1.7	2.2	3.3	5.4	10.0	17.6	31.6	42.6	58.9	82.8	101.3	**125.1**	23.5%	50.6%	17.3%
Argentina	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	**0.8**	639.6%	93.9%	0.1%
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.1	0.1	0.8	3.5	**5.6**	60.7%	-	0.8%
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.5	1.4	2.6	3.9	5.1	**6.3**	23.1%	-	0.9%
Colombia	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	-	-	-	-	-	-	-	-	-	-	-	-	^	**0.1**	925.6%	-	♦
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	-	^	^	^	^	^	^	^	^	**0.2**	337.1%	106.7%	♦
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.2	0.2	0.2	0.2	0.3	0.7	**0.8**	2.2%	-	0.1%
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	4.1%	♦
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	33.0%	-	♦
Central America	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.6	1.2	1.5	1.8	**1.9**	3.1%	112.4%	0.3%
Other Caribbean	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.2	0.3	0.3	0.4	0.6	0.7	0.8	**1.3**	57.4%	55.4%	0.2%
Other South America	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.1	^	0.1	0.1	0.2	0.4	0.6	**0.7**	19.8%	106.5%	0.1%
Total S. & Cent. America	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.3	0.5	1.1	2.9	4.9	7.6	12.7	**17.6**	38.3%	96.9%	2.4%
Austria	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.2	0.3	0.6	0.8	0.9	1.1	1.3	1.4	**1.4**	-6.0%	47.2%	0.2%
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.2	0.6	1.2	2.1	2.6	2.9	3.1	3.1	3.3	3.9	**3.9**	1.1%	57.3%	0.5%
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.1	0.8	1.4	1.3	1.4	1.4	1.4	1.3	**1.8**	36.3%	-	0.3%
Croatia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.1	0.1	0.1	0.1	**0.1**	4.7%	-	♦
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.2	**0.2**	12.4%	51.6%	♦
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.1	0.6	2.1	2.2	2.1	2.1	2.3	2.1	2.2	2.3	**2.3**	-2.5%	68.2%	0.3%
Denmark	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.5	0.6	0.6	0.7	0.8	1.0	**1.0**	1.1%	80.3%	0.1%
Estonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**0.1**	235.4%	-	♦
Finland	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	**0.2**	97.5%	36.9%	♦
France	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.2	0.6	2.1	4.0	4.7	5.9	7.3	8.2	9.2	10.3	**11.7**	13.7%	73.4%	1.6%
Germany	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.2	0.3	0.6	1.3	2.2	3.1	4.4	6.6	11.7	19.6	26.4	31.0	36.1	38.7	38.1	39.4	45.8	**47.5**	3.8%	26.3%	6.6%
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.2	0.6	1.7	3.6	3.8	3.9	3.9	4.0	3.8	**4.0**	4.5%	94.1%	0.5%
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.1	0.1	0.2	0.3	0.6	**1.4**	123.2%	90.2%	0.2%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	49.4%	-	♦
Italy	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.2	0.7	1.9	10.8	18.9	21.6	22.3	22.9	22.1	24.4	22.7	**24.3**	7.4%	61.0%	3.4%
Latvia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**-**	-100.0%	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.1	0.1	0.1	0.1	0.1	**0.1**	12.5%	-	♦
Luxembourg	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	0.7%	19.6%	♦
Netherlands	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.3	0.5	0.8	1.1	1.6	2.2	3.7	**5.2**	40.5%	57.7%	0.7%
North Macedonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	1.9%	-	♦
Norway	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	**0.1**	32.2%	27.7%	♦
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1	0.1	0.2	0.3	**0.7**	137.7%	-	0.1%
Portugal	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.8	1.0	1.0	**1.3**	26.9%	37.7%	0.2%
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.4	1.3	2.0	1.8	1.9	1.8	**1.7**	-2.1%	-	0.2%
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.4	0.4	0.6	0.6	0.5	0.5	0.5	0.6	**0.6**	0.7%	-	0.1%
Slovenia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	**0.3**	5.2%	74.0%	♦
Spain	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	^	0.1	0.5	2.6	6.1	7.1	8.7	12.0	13.1	13.7	13.9	13.6	14.3	12.7	**15.0**	18.0%	17.3%	2.1%
Sweden	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.2	0.4	**0.6**	50.1%	58.1%	0.1%
Switzerland	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.2	0.3	0.5	0.8	1.1	1.3	1.7	1.9	**2.3**	16.3%	48.6%	0.3%
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.2	1.0	2.9	7.8	**10.9**	40.0%	-	1.5%
Ukraine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.3	0.6	0.4	0.5	0.5	0.7	1.1	**2.9**	162.8%	-	0.4%
United Kingdom	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.2	1.4	2.0	4.1	7.5	10.4	11.5	12.9	**12.7**	-1.4%	94.0%	1.8%
Other Europe	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.2	0.3	0.4	0.3	**0.3**	13.9%	71.5%	♦
Total Europe	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.8	1.5	2.5	3.8	7.5	14.2	23.3	46.7	71.9	86.9	98.8	109.9	114.0	124.5	138.6	**154.7**	11.6%	33.9%	21.4%
Azerbaijan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	11.6%	-	♦
Belarus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1	0.1	**0.1**	1.5%	-	♦
Kazakhstan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1	0.1	0.1	**0.3**	105.8%	-	♦
Russian Federation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.2	0.3	0.5	0.5	0.6	**1.0**	57.7%	-	0.1%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	-	-	♦
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	**^**	133.3%	-	♦
Other CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	64.6%	n/a	♦
Total CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.2	0.4	0.6	0.8	0.9	**1.5**	55.8%	n/a	0.2%
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	**0.2**	28.2%	91.6%	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.1	0.1	0.1	0.1	0.1	**0.1**	-	-	♦
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.1	0.2	0.4	0.5	0.8	1.2	1.5	1.5	1.6	**2.7**	72.8%	-	0.4%
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.1	**0.1**	116.7%	-	♦
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-	-	♦
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**^**	-	-	♦
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.1	0.1	0.2	0.4	**1.8**	367.4%	90.4%	0.2%
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1	0.3	0.3	0.3	0.8	1.3	**4.2**	217.2%	-	0.6%
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.2	1.1	1.7	2.6	**2.9**	11.9%	98.5%	0.4%
Total Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1	0.2	0.4	0.7	1.3	1.9	3.2	4.4	6.1	**11.9**	95.4%	110.9%	1.6%
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1	0.1	0.2	0.5	0.6	**0.6**	2.0%	-	0.1%
Egypt	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	^	0.1	0.1	0.6	1.5	**3.7**	143.4%	99.7%	0.5%
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.4	0.4	1.0	**1.6**	66.4%	149.7%	0.2%
South Africa	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.2	1.1	2.7	3.3	4.3	4.9	**5.3**	6.6%	72.1%	0.7%
Eastern Africa	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.8	**7.0**	808.1%	45.7%	1.0%
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	**0.1**	♦	24.2%	♦
Western Africa	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.3	0.4	0.8	**0.8**	2.1%	49.0%	0.1%
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	**0.2**	29.7%	34.5%	♦
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	**0.3**	112.5%	36.3%	♦
Total Africa	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.5	0.6	0.8	1.8	3.6	4.9	7.0	9.9	**19.4**	96.7%	62.8%	2.7%
Australia	-	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	1.0	2.0	2.4	3.8	5.0	6.2	7.5	9.0	12.3	**18.0**	46.2%	56.5%	2.5%
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	**0.4**	41.2%	34.7%	0.1%
China	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.7	2.6	3.6	8.4	23.5	39.5	66.5	117.8	176.9	**223.8**	26.5%	102.6%	30.9%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	-3.4%	-	♦
India	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.8	2.1	3.4	4.9	6.6	11.6	21.5	36.3	**46.3**	27.3%	88.8%	6.4%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	**0.1**	218.1%	69.9%	♦
Japan	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.3	0.5	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0	4.0	5.4	7.4	12.9	23.5	34.5	43.3	54.2	66.1	**75.3**	14.0%	38.2%	10.4%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.1	0.2	0.3	0.3	0.3	0.5	**0.8**	64.6%	-	0.1%
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	**0.1**	27.7%	39.9%	♦
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.1	0.1	0.2	0.4	0.7	0.9	1.0	**1.2**	13.7%	90.9%	0.2%
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.1	1.1	1.2	1.2	**1.3**	6.6%	98.7%	0.2%
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.1	0.1	0.1	**0.2**	44.0%	84.4%	♦
South Korea	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.3	0.6	0.8	1.0	1.2	1.7	2.7	4.2	5.4	7.5	9.7	**12.1**	25.6%	40.8%	1.7%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.2	0.3	**0.4**	16.2%	47.8%	0.1%
Taiwan	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.1	0.2	0.3	0.6	0.9	1.1	1.7	2.7	**4.1**	51.3%	89.6%	0.6%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1	0.1	0.5	1.3	1.9	2.4	3.4	4.5	5.0	**5.0**	0.5%	62.5%	0.7%
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.1	**4.2**	3583.7%	-	0.6%
Other Asia Pacific	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.3	0.5	0.5	**0.7**	32.0%	35.2%	0.1%
Total Asia Pacific	^	^	^	^	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.6	0.8	1.1	1.5	1.9	2.3	2.8	3.4	4.4	6.8	12.2	17.6	32.5	63.0	95.6	141.7	219.9	313.2	**393.9**	25.8%	57.4%	54.4%
Total World	0.4	0.5	0.5	0.6	0.6	0.6	0.7	0.8	0.8	0.9	1.1	1.4	1.8	2.3	3.0	4.2	5.7	7.8	12.6	21.0	33.7	65.1	100.8	139.1	197.9	256.8	328.2	446.9	582.8	**724.1**	24.3%	46.7%	100.0%
of which: OECD	0.4	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.9	1.1	1.3	1.7	2.1	2.8	4.0	5.5	7.5	12.2	20.3	32.4	60.6	92.0	121.1	159.7	195.7	229.0	278.8	329.9	**387.2**	17.4%	39.0%	53.5%
Non-OECD	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.6	1.3	4.5	8.8	18.0	38.1	61.1	99.2	168.1	252.8	**336.9**	33.2%	90.3%	46.5%
European Union #	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.7	1.5	2.5	3.8	7.5	14.1	23.2	46.5	71.2	85.8	97.5	108.0	111.0	119.0	127.5	**138.4**	8.5%	32.8%	19.1%

* Based on gross generation and not accounting for cross-border electricity supply.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic states.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and shares of total are calculated using terawatt-hours figures.

Contents

Renewables: Consumption - Solar*

Contents

Exajoules (input-equivalent)	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.03	**0.04**	11.5%	59.1%	0.6%
Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.03	**0.11**	289.7%	65.9%	1.7%
US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.08	0.15	0.27	0.36	0.50	0.70	0.84	**0.97**	14.5%	49.1%	15.0%
Total North America	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.03**	**0.05**	**0.09**	**0.16**	**0.29**	**0.39**	**0.53**	**0.75**	**0.91**	**1.12**	**23.0%**	**49.7%**	**17.3%**
Argentina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**0.01**	636.8%	92.8%	0.1%
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.01	0.03	**0.05**	60.1%	-	0.8%
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.01	0.02	0.04	0.05	**0.06**	22.6%	-	0.9%
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	-	-	-	-	-	-	-	-	-	-	-	-	^	**^**	921.8%	-	♦
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	-	^	^	^	^	^	^	^	^	**^**	335.5%	105.5%	♦
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.01	**0.01**	1.8%	-	0.1%
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	-	^	^	^	^	^	^	^	**^**	-0.4%	3.5%	♦
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	32.5%	-	♦
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	**0.02**	2.7%	111.1%	0.3%
Other Caribbean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	**0.01**	56.8%	54.5%	0.2%
Other South America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	**0.01**	19.4%	105.3%	0.1%
Total S. & Cent. America	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.03**	**0.04**	**0.07**	**0.11**	**0.16**	**37.8%**	**95.7%**	**2.4%**
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	-6.3%	46.3%	0.2%
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.03	**0.04**	0.8%	56.4%	0.5%
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.02**	35.8%	-	0.3%
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	4.3%	-	♦
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	12.0%	50.6%	♦
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.02**	-2.8%	67.2%	0.3%
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	**0.01**	0.7%	79.2%	0.1%
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	234.2%	-	♦
Finland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	96.7%	36.1%	♦
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.04	0.04	0.05	0.07	0.07	0.08	0.09	**0.10**	13.3%	72.4%	1.6%
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.03	0.04	0.06	0.11	0.18	0.24	0.29	0.33	0.35	0.34	0.35	0.41	**0.42**	3.4%	25.6%	6.6%
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.01	0.02	0.03	0.03	0.04	0.04	0.04	0.03	**0.04**	4.1%	92.9%	0.5%
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	**0.01**	122.4%	89.1%	0.2%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	48.9%	-	♦
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.10	0.17	0.20	0.20	0.21	0.20	0.22	0.20	**0.22**	7.0%	60.1%	3.4%
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**-**	-100.0%	-	-
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**^**	12.1%	-	♦
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	0.3%	18.9%	♦
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.03	**0.05**	40.0%	56.7%	0.7%
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	1.6%	-	♦
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	31.7%	26.9%	♦
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**0.01**	136.8%	-	0.1%
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	**0.01**	26.4%	36.9%	0.2%
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.01	0.02	0.02	0.02	0.02	**0.02**	-2.5%	-	0.2%
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.01	0.01	^	^	^	0.01	**0.01**	0.3%	-	0.1%
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	**^**	4.8%	73.0%	♦
Spain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.02	0.06	0.07	0.08	0.11	0.12	0.13	0.13	0.12	0.13	0.11	**0.13**	17.6%	16.6%	2.1%
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**0.01**	49.5%	57.2%	0.1%
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.02	**0.02**	15.8%	47.7%	0.3%
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.01	0.03	0.07	**0.10**	39.5%	-	1.5%
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.01	^	^	^	0.01	0.01	**0.03**	161.9%	-	0.4%
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	-	^	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.04	0.07	0.09	0.10	0.12	**0.11**	-1.8%	92.9%	1.8%
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	13.5%	70.5%	♦
Total Europe	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.02**	**0.04**	**0.07**	**0.13**	**0.22**	**0.44**	**0.67**	**0.80**	**0.91**	**1.00**	**1.03**	**1.12**	**1.24**	**1.38**	**11.2%**	**33.1%**	**21.4%**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	11.2%	-	♦
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	1.1%	-	♦
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	**^**	105.0%	-	♦
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.01	**0.01**	57.2%	-	0.1%
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	-0.4%	-	♦
USSR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	**^**	132.5%	-	♦
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	64.0%	n/a	♦
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**55.2%**	**n/a**	**0.2%**
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	27.7%	90.4%	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-0.4%	-	♦
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	**0.02**	72.2%	-	0.4%
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	115.9%	-	♦
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-0.4%	-	♦
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**^**	-0.4%	-	♦
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	**0.02**	365.6%	89.2%	0.2%
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	0.01	**0.04**	216.1%	-	0.6%
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	0.02	0.02	**0.03**	11.5%	97.3%	0.4%
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.02**	**0.03**	**0.04**	**0.05**	**0.11**	**94.6%**	**109.6%**	**1.6%**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	**0.01**	1.6%	-	0.1%
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	**0.03**	142.5%	98.5%	0.5%
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	**0.01**	65.8%	148.2%	0.2%
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.03	0.03	0.04	0.04	**0.05**	6.2%	71.0%	0.7%
Eastern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	**0.06**	804.8%	44.9%	1.0%
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.3%	23.5%	♦
Western Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	**0.01**	1.7%	48.1%	0.1%
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	29.2%	33.7%	♦
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	111.7%	35.4%	♦
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.02**	**0.03**	**0.04**	**0.06**	**0.09**	**0.17**	**96.0%**	**61.9%**	**2.7%**
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.02	0.04	0.05	0.06	0.07	0.08	0.11	**0.16**	45.6%	55.6%	2.5%
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	40.7%	33.8%	0.1%
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.03	0.08	0.22	0.36	0.60	1.06	1.58	**2.00**	26.0%	101.4%	30.9%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	-3.8%	-	♦
India	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.03	0.04	0.06	0.10	0.19	0.33	**0.41**	26.9%	87.7%	6.4%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	**^**	216.9%	68.8%	♦
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.07	0.12	0.22	0.31	0.39	0.49	0.59	**0.67**	13.5%	37.4%	10.4%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	**0.01**	63.9%	-	0.1%
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	**^**	27.2%	39.1%	♦
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	**0.01**	13.3%	89.8%	0.2%
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	**0.01**	6.2%	97.5%	0.2%
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	**^**	43.5%	83.3%	♦
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.04	0.05	0.07	0.09	**0.11**	25.1%	39.9%	1.7%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	15.8%	46.9%	0.1%
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.02	**0.04**	50.7%	88.4%	0.6%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.01	0.02	0.02	0.03	0.04	0.04	**0.04**	0.1%	61.5%	0.7%
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**0.04**	3570.2%	-	0.6%
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**0.01**	31.5%	34.4%	0.1%
Total Asia Pacific	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.03**	**0.03**	**0.04**	**0.06**	**0.11**	**0.16**	**0.30**	**0.58**	**0.87**	**1.28**	**1.98**	**2.80**	**3.51**	**25.3%**	**56.4%**	**54.4%**
Total World	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.03**	**0.04**	**0.06**	**0.07**	**0.12**	**0.20**	**0.32**	**0.61**	**0.93**	**1.28**	**1.81**	**2.34**	**2.97**	**4.02**	**5.21**	**6.45**	**23.8%**	**45.8%**	**100.0%**
of which: OECD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07	0.12	0.19	0.30	0.57	0.85	1.12	1.46	1.78	2.07	2.51	2.95	**3.45**	16.9%	38.2%	53.5%
Non-OECD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.04	0.08	0.17	0.35	0.56	0.90	1.51	2.26	**3.00**	32.8%	89.1%	46.5%
European Union #	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.04	0.07	0.13	0.22	0.43	0.66	0.79	0.89	0.98	1.00	1.07	1.14	**1.23**	8.1%	32.0%	19.1%

*Based on gross generation and not accounting for cross-border electricity supply. "Input-equivalent" energy is the amount of fuel that would be required by thermal power stations to generate the reported electricity output.
Details on thermal efficiency assumptions are available in the appendices and definitions page and at *bp.com/statisticalreview* .
^ Less than 0.005.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic states.
 # Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and share of total are calculated using exajoules figures and incorporate adjustments for assumed changes in thermal efficiency.

Contents

Renewables: Generation - Wind*

Contents

Terawatt-hours	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	2.1	2.8
Total North America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**2.1**	**2.8**
Argentina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Caribbean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other South America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total S. & Cent. America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.1	0.1	0.2	0.3	0.4	0.6
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-
Spain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	**0.1**	**0.1**	**0.2**	**0.3**	**0.5**	**0.8**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
USSR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-
Total CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Total Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Western Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Total World	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	**0.1**	**0.1**	**0.2**	**0.3**	**2.6**	**3.6**
of which: OECD	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.1	0.1	0.2	0.3	2.6	3.6
Non-OECD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
European Union #	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.1	0.1	0.2	0.3	0.5	0.8

Terawatt-hours	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.7	0.9	1.6	2.4	3.0	3.8	6.6	8.7	10.2	11.3	11.1	12.8	27.0	30.9	31.5	33.2	**34.2**	3.0%	24.2%	2.4%
Mexico	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.2	0.3	0.6	1.2	1.6	3.7	4.2	6.4	8.7	10.4	10.6	13.1	**17.6**	34.5%	48.3%	1.2%
US	3.0	2.9	3.0	3.5	3.2	3.3	3.3	3.1	4.5	5.6	6.8	10.5	11.3	14.3	18.0	26.9	34.8	55.9	74.6	95.6	121.4	142.2	169.5	183.5	192.6	229.3	256.9	275.4	**303.1**	10.1%	17.3%	21.2%
Total North America	**3.0**	**3.0**	**3.1**	**3.5**	**3.3**	**3.3**	**3.4**	**3.1**	**4.7**	**5.9**	**7.2**	**10.9**	**12.0**	**15.3**	**19.6**	**29.4**	**38.0**	**60.0**	**81.9**	**105.6**	**133.2**	**157.2**	**184.9**	**202.7**	**228.4**	**270.6**	**299.0**	**321.7**	**354.9**	**10.3%**	**18.3%**	**24.8%**
Argentina	-	-	-	-	-	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	^	0.4	0.5	0.6	0.6	0.5	0.6	1.4	**5.0**	253.6%	42.1%	0.3%
Brazil	-	-	-	-	-	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.2	0.7	1.2	1.2	2.2	2.7	5.1	6.6	12.2	21.6	33.5	42.4	48.5	**55.8**	15.2%	45.0%	3.9%
Chile	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.1	0.3	0.3	0.4	0.5	1.4	2.1	2.5	3.6	3.6	**5.3**	47.7%	57.5%	0.4%
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	^	0.1	^	0.1	0.1	^	^	0.1	0.1	0.1	0.1	0.1	^	0.1	**0.1**	7.4%	0.3%	♦
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	6.6%	40.5%	♦
Peru	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.3	0.6	1.1	1.1	1.5	**1.6**	9.6%	104.1%	0.1%
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	-	-	**0.1**	-	-	♦
Central America	-	-	-	-	-	^	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.4	0.5	0.7	1.1	1.3	2.1	3.1	3.3	3.2	4.4	**4.5**	0.3%	36.5%	0.3%
Other Caribbean	-	-	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.7	1.0	1.1	1.1	1.2	1.3	1.4	**1.8**	28.8%	26.0%	0.1%
Other South America	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.7	2.1	3.0	3.8	4.8	**4.8**	0.7%	81.4%	0.3%
Total S. & Cent. America	-	-	^	^	^	^	**0.1**	**0.1**	**0.1**	**0.3**	**0.3**	**0.5**	**0.4**	**0.5**	**0.5**	**0.8**	**1.2**	**1.7**	**2.1**	**3.4**	**4.3**	**7.8**	**10.2**	**18.6**	**31.5**	**45.2**	**56.1**	**65.8**	**79.2**	**20.4%**	**44.4%**	**5.5%**
Austria	-	-	-	-	^	^	^	^	0.1	0.1	0.2	0.2	0.4	0.9	1.3	1.8	2.0	2.0	2.0	2.1	1.9	2.5	3.2	3.8	4.8	5.2	6.6	6.0	**7.4**	23.3%	11.6%	0.5%
Belgium	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.4	0.5	0.6	1.0	1.3	2.3	2.8	3.7	4.6	5.6	5.4	6.5	7.5	**9.5**	27.7%	27.9%	0.7%
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1	0.2	0.7	0.9	1.2	1.4	1.3	1.5	1.4	1.5	1.3	**1.3**	-0.8%	26.9%	0.1%
Croatia	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.1	0.1	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	**1.4**	7.8%	42.0%	0.1%
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	**0.2**	7.9%	90.2%	♦
Czech Republic	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.5	0.6	0.6	**0.7**	14.9%	9.6%	♦
Denmark	0.7	0.9	1.0	1.1	1.2	1.2	1.9	2.8	3.0	4.2	4.3	4.9	5.6	6.6	6.6	6.1	7.2	6.9	6.7	7.8	9.8	10.3	11.1	13.1	14.1	12.8	14.8	13.9	**16.1**	16.2%	7.2%	1.1%
Estonia	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.6	0.7	0.6	**0.7**	6.5%	16.9%	♦
Finland	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.5	0.8	1.1	2.3	3.1	4.8	5.8	**6.0**	2.5%	36.5%	0.4%
France	^	^	^	^	^	^	^	^	^	^	0.1	0.3	0.4	0.6	1.0	2.2	4.1	5.7	7.9	9.9	12.1	14.9	16.0	17.2	21.2	21.4	24.3	28.1	**34.5**	22.8%	17.3%	2.4%
Germany	0.1	0.3	0.6	0.9	1.5	2.0	3.0	4.5	5.5	9.5	10.5	15.8	18.7	25.5	27.2	30.7	39.7	40.6	38.6	38.5	49.9	51.7	52.7	58.5	80.6	79.9	105.7	110.0	**126.0**	14.6%	10.5%	8.8%
Greece	^	^	^	^	^	^	^	0.1	0.2	0.5	0.8	0.7	1.0	1.1	1.3	1.7	1.8	2.2	2.5	2.7	3.3	3.9	4.1	3.7	4.6	5.1	5.5	6.3	**7.3**	15.5%	10.9%	0.5%
Hungary	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.1	0.2	0.3	0.5	0.6	0.8	0.7	0.7	0.7	0.7	0.8	0.6	**0.7**	19.6%	11.5%	0.1%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	^	^	^	^	^	^	**^**	50.5%	-	♦
Ireland	-	^	^	^	^	^	0.1	0.2	0.2	0.2	0.3	0.4	0.5	0.7	1.1	1.6	2.0	2.4	3.0	2.8	4.4	4.0	4.5	5.1	6.6	6.1	7.4	8.6	**9.7**	12.2%	13.6%	0.7%
Italy	^	^	^	^	^	^	0.1	0.2	0.4	0.6	1.2	1.4	1.5	1.8	2.3	3.0	4.0	4.9	6.5	9.1	9.9	13.4	14.9	15.2	14.8	17.7	17.7	17.7	**20.1**	13.2%	13.8%	1.4%
Latvia	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	**0.2**	26.7%	7.7%	♦
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.1	0.1	0.2	0.2	0.5	0.5	0.6	0.6	0.8	1.1	1.4	1.1	**1.5**	27.4%	24.2%	0.1%
Luxembourg	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	**0.3**	4.8%	15.4%	♦
Netherlands	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.8	0.8	0.9	1.3	1.9	2.1	2.7	3.4	4.3	4.6	4.0	5.1	5.0	5.6	5.8	7.5	8.2	10.6	10.6	**11.5**	8.5%	9.5%	0.8%
North Macedonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1	**0.1**	4.6%	-	♦
Norway	-	-	-	-	-	-	-	-	^	^	^	^	0.2	0.3	0.5	0.6	0.9	0.9	1.0	0.9	1.3	1.5	1.9	2.2	2.5	2.1	2.9	3.9	**5.5**	42.8%	15.6%	0.4%
Poland	-	-	-	-	^	-	^	^	^	^	^	0.1	0.1	0.1	0.1	0.3	0.5	0.8	1.1	1.7	3.2	4.7	6.0	7.7	10.9	12.6	14.9	12.8	**15.0**	17.5%	31.4%	1.1%
Portugal	^	^	^	^	^	^	^	0.1	0.1	0.2	0.3	0.4	0.5	0.8	1.8	2.9	4.0	5.8	7.6	9.2	9.2	10.3	12.0	12.1	11.6	12.5	12.2	12.6	**13.7**	8.9%	8.2%	1.0%
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.3	1.4	2.6	4.5	4.7	7.1	6.6	7.4	6.3	**6.7**	6.7%	104.3%	0.5%
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-50.0%	-1.5%	♦
Slovenia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	1.9%	-	♦
Spain	^	0.1	0.1	0.2	0.3	0.4	0.7	1.4	2.7	4.7	6.8	9.3	12.1	15.7	21.2	23.3	27.6	32.9	37.9	43.7	42.4	49.5	55.8	52.0	49.3	48.9	49.1	50.9	**56.2**	10.4%	4.4%	3.9%
Sweden	^	^	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.9	0.9	1.0	1.4	2.0	2.5	3.5	6.1	7.2	9.8	11.2	16.3	15.5	17.6	16.6	**19.9**	19.6%	23.6%	1.4%
Switzerland	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	-	20.4%	♦
Turkey	-	-	-	-	-	-	-	^	^	^	0.1	^	0.1	0.1	0.1	0.1	0.4	0.8	1.5	2.9	4.7	5.9	7.6	8.5	11.7	15.5	17.9	19.9	**21.7**	8.8%	37.2%	1.5%
Ukraine	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.3	0.6	1.1	1.1	1.0	1.0	1.2	**1.9**	58.6%	38.7%	0.1%
United Kingdom	^	^	0.2	0.3	0.4	0.5	0.7	0.9	0.9	0.9	1.0	1.3	1.3	1.9	2.9	4.2	5.3	7.1	9.3	10.3	16.0	19.8	28.4	32.0	40.3	37.2	49.6	56.9	**64.1**	12.7%	23.1%	4.5%
Other Europe	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.3	0.6	**1.5**	138.7%	46.1%	0.1%
Total Europe	**1.0**	**1.5**	**2.3**	**3.0**	**3.9**	**4.8**	**7.3**	**11.2**	**14.2**	**22.5**	**26.9**	**36.4**	**44.5**	**59.3**	**71.1**	**83.2**	**105.7**	**121.4**	**135.4**	**153.4**	**186.7**	**214.8**	**248.1**	**264.8**	**318.8**	**322.9**	**383.9**	**402.8**	**461.6**	**14.6%**	**12.7%**	**32.3%**
Azerbaijan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	-	-	^	^	^	^	^	0.1	**0.1**	63.8%	-	♦
Belarus	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	**0.1**	7.4%	58.3%	♦
Kazakhstan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.1	0.3	0.3	0.4	**0.5**	28.7%	-	♦
Russian Federation	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.2	**0.3**	32.7%	46.5%	♦
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	5.6%	29.3%	♦
Total CIS	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**0.1**	**0.3**	**0.5**	**0.6**	**0.8**	**1.1**	**30.1%**	**58.8%**	**0.1%**
Iran	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	**0.4**	7.2%	5.5%	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	**0.1**	-	21.8%	♦
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	**^**	-	-	♦
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-	-	♦
Other Middle East	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.4	0.5	0.7	**0.7**	-	63.3%	0.1%
Total Middle East	^	^	^	^	^	^	^	^	^	^	^	^	^	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.4**	**0.7**	**0.8**	**1.1**	**1.2**	**2.1%**	**18.3%**	**0.1%**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	**^**	-	-	♦
Egypt	-	-	-	-	-	-	-	-	^	0.1	0.2	0.2	0.3	0.5	0.5	0.6	0.7	0.9	1.0	1.4	1.6	1.8	1.5	1.1	1.9	2.5	2.1	2.0	**2.8**	37.5%	8.1%	0.2%
Morocco	-	-	-	-	-	-	-	-	-	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.7	0.7	0.7	1.2	1.9	2.5	3.0	3.0	3.8	**4.7**	22.4%	29.1%	0.3%
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	1.1	3.1	4.2	5.9	6.9	**6.9**	0.7%	78.5%	0.5%
Eastern Africa	-	-	-	-	-	-	-	-	-	^	-	^	^	^	^	^	^	^	^	^	^	0.2	0.3	0.4	0.8	0.9	0.8	0.9	**2.4**	174.6%	48.9%	0.2%
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	**^**	-	n/a	♦
Western Africa	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.2	0.2	0.2	**0.2**	-0.3%	37.8%	♦
Other Northern Africa	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.4	0.5	0.4	0.5	0.4	0.5	**0.5**	10.4%	27.7%	♦
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Africa	-	-	^	^	^	^	^	^	^	**0.2**	**0.4**	**0.4**	**0.5**	**0.8**	**0.8**	**0.9**	**1.0**	**1.3**	**1.6**	**2.3**	**2.5**	**3.0**	**3.6**	**5.2**	**8.9**	**11.3**	**12.5**	**14.3**	**17.5**	**22.5%**	**27.0%**	**1.2%**
Australia	-	-	^	^	^	^	^	^	^	0.1	0.3	0.5	0.7	0.8	1.3	2.2	2.9	3.5	4.4	5.0	6.4	7.7	9.3	9.8	11.8	13.0	13.2	16.4	**19.5**	19.0%	16.8%	1.4%
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	5.8%	♦
China	^	0.1	0.2	0.4	0.6	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.3	1.9	3.7	5.5	13.1	27.6	49.4	74.1	103.0	138.3	159.8	185.6	240.9	304.6	365.8	**405.7**	10.9%	39.5%	28.4%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-3.4%	8.4%	♦
India	0.1	0.1	0.1	0.2	0.5	0.9	1.0	1.1	1.4	1.6	2.1	2.1	2.6	5.2	6.0	9.3	11.7	14.4	16.3	19.5	24.0	27.4	30.0	33.5	32.7	43.5	52.6	60.3	**63.3**	5.0%	15.4%	4.4%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	-	-	^	^	-	0.2	**0.2**	-	92.4%	♦
Japan	-	-	^	^	^	^	^	^	^	0.1	0.3	0.4	0.8	1.4	1.9	2.1	2.7	2.9	3.4	3.9	4.5	4.7	5.1	5.0	5.2	6.1	6.3	7.4	**8.6**	17.2%	9.6%	0.6%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
New Zealand	-	^	^	^	^	^	^	^	^	0.1	0.1	0.2	0.1	0.4	0.6	0.6	0.9	1.1	1.5	1.6	2.0	2.1	2.0	2.2	2.4	2.3	2.1	2.1	**2.3**	9.1%	6.9%	0.2%
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	0.8	0.8	1.4	2.1	3.1	**4.8**	52.3%	-	0.3%
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.7	1.0	1.1	1.2	**1.2**	1.9%	34.1%	0.1%
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Korea	-	-	^	^	-	-	^	^	^	^	^	^	^	^	0.1	0.2	0.4	0.5	0.7	0.9	0.9	1.0	1.2	1.2	1.4	1.8	2.3	2.6	**2.8**	6.6%	18.2%	0.2%
Sri Lanka	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.4	**0.4**	-	60.5%	♦
Taiwan	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.1	0.3	0.4	0.6	0.8	1.0	1.5	1.4	1.6	1.5	1.5	1.5	1.7	1.7	**1.9**	11.0%	11.1%	0.1%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.4	0.4	0.3	0.3	1.1	1.9	**2.7**	36.6%	129.4%	0.2%
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.1	0.1	0.2	0.2	0.3	0.3	**0.5**	58.2%	68.3%	♦
Other Asia Pacific	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.4	**0.5**	43.5%	23.9%	♦
Total Asia Pacific	**0.1**	**0.2**	**0.3**	**0.6**	**1.1**	**1.0**	**1.2**	**1.5**	**2.1**	**2.6**	**3.5**	**4.1**	**5.3**	**9.2**	**12.0**	**18.6**	**24.7**	**36.1**	**54.9**	**81.5**	**113.6**	**147.8**	**188.8**	**214.8**	**243.3**	**312.5**	**388.0**	**463.7**	**514.3**	**10.9%**	**29.1%**	**36.0%**
Total World	**4.1**	**4.7**	**5.7**	**7.1**	**8.3**	**9.2**	**12.0**	**15.9**	**21.2**	**31.4**	**38.4**	**52.3**	**62.9**	**85.1**	**104.1**	**132.9**	**170.7**	**220.6**	**276.1**	**346.5**	**440.6**	**530.9**	**635.8**	**706.5**	**831.6**	**963.8**	**1141.0**	**1270.2**	**1429.6**	**12.6%**	**19.1%**	**100.0%**
of which: OECD	4.0	4.5	5.4	6.5	7.1	8.2	10.7	14.4	19.1	28.8	34.8	48.4	58.2	77.2	94.6	117.6	150.6	189.1	227.0	269.5	331.4	383.3	443.9	479.0	559.3	608.8	698.8	745.4	**841.8**	12.9%	14.7%	58.9%
Non-OECD	0.1	0.2	0.3	0.6	1.1	1.0	1.3	1.6	2.1	2.7	3.6	3.9	4.7	8.0	9.5	15.3	20.2	31.6	49.0	77.0	109.3	147.5	191.9	227.5	272.2	354.9	442.2	524.7	**587.9**	12.0%	32.5%	41.1%
European Union #	1.0	1.5	2.3	3.0	3.9	4.8	7.3	11.2	14.2	22.4	26.8	36.3	44.2	58.9	70.5	82.3	104.4	119.5	132.8	149.5	180.5	207.0	237.9	252.7	303.3	304.0	361.6	376.9	**430.7**	14.3%	12.2%	30.1%

* Based on gross generation and not accounting for cross-border electricity supply.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic states.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and shares of total are calculated using terawatt-hours figures.

Contents

Renewables: Consumption - Wind*

Contents

																																																								Growth rate per annum		Share
Exajoules (input-equivalent)	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	2019	2008-18	2019
Canada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.03	0.04	0.06	0.08	0.10	0.10	0.10	0.12	0.25	0.28	0.28	0.30	**0.30**	2.6%	23.5%	2.4%
Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.03	0.04	0.06	0.08	0.09	0.10	0.12	**0.16**	34.0%	47.4%	1.2%
US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.06	0.07	0.10	0.11	0.14	0.17	0.26	0.33	0.53	0.70	0.90	1.13	1.32	1.56	1.68	1.75	2.08	2.31	2.46	**2.70**	9.7%	16.6%	21.2%
Total North America	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**0.02**	**0.03**	**0.03**	**0.03**	**0.03**	**0.04**	**0.03**	**0.03**	**0.03**	**0.03**	**0.05**	**0.06**	**0.07**	**0.11**	**0.12**	**0.15**	**0.19**	**0.28**	**0.36**	**0.57**	**0.77**	**0.99**	**1.24**	**1.46**	**1.70**	**1.86**	**2.08**	**2.45**	**2.69**	**2.88**	**3.16**	**9.9%**	**17.6%**	**24.8%**
Argentina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	^	0.01	0.01	**0.04**	252.3%	41.3%	0.3%
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.03	0.05	0.06	0.11	0.20	0.30	0.38	0.43	**0.50**	14.8%	44.1%	3.9%
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.03	0.03	**0.05**	47.2%	56.6%	0.4%
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	7.0%	-0.3%	♦
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	**^**	6.2%	39.6%	♦
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	**0.01**	9.2%	102.8%	0.1%
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	-	-	**^**	-	-	♦
Central America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.04	**0.04**	♦	35.6%	0.3%
Other Caribbean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.02**	28.4%	25.3%	0.1%
Other South America	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.03	0.03	0.04	**0.04**	0.3%	80.3%	0.3%
Total S. & Cent. America	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.03**	**0.04**	**0.07**	**0.09**	**0.17**	**0.29**	**0.41**	**0.51**	**0.59**	**0.71**	**19.9%**	**43.5%**	**5.5%**
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.05	**0.07**	22.8%	10.9%	0.5%
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	**0.08**	27.2%	27.1%	0.7%
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	-1.2%	26.1%	0.1%
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	**0.01**	7.4%	41.2%	0.1%
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	7.5%	89.1%	♦
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	^	0.01	0.01	**0.01**	14.5%	8.9%	♦
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.09	0.10	0.10	0.12	0.13	0.12	0.13	0.12	**0.14**	15.8%	6.6%	1.1%
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	**0.01**	6.1%	16.2%	♦
Finland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.03	0.04	0.05	**0.05**	2.1%	35.7%	0.4%
France	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.04	0.05	0.07	0.09	0.11	0.14	0.15	0.16	0.19	0.19	0.22	0.25	**0.31**	22.3%	16.6%	2.4%
Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.03	0.04	0.06	0.10	0.10	0.16	0.18	0.25	0.26	0.30	0.38	0.39	0.37	0.36	0.47	0.48	0.49	0.54	0.73	0.72	0.95	0.98	**1.12**	14.2%	9.8%	8.8%
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.03	0.04	0.05	0.05	0.06	**0.06**	15.1%	10.2%	0.5%
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	19.2%	10.8%	0.1%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	^	^	^	^	^	^	**^**	50.0%	-	♦
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.06	0.06	0.07	0.08	**0.09**	11.8%	12.9%	0.7%
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.09	0.09	0.12	0.14	0.14	0.14	0.16	0.16	0.16	**0.18**	12.8%	13.1%	1.4%
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	26.2%	7.1%	♦
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	27.0%	23.5%	0.1%
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	4.4%	14.7%	♦
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.07	0.07	0.10	0.09	**0.10**	8.1%	8.9%	0.8%
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	**^**	4.2%	-	♦
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	**0.05**	42.3%	14.9%	0.4%
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.10	0.11	0.13	0.11	**0.13**	17.1%	30.6%	1.1%
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.03	0.04	0.05	0.07	0.09	0.09	0.10	0.11	0.11	0.11	0.11	0.11	0.11	**0.12**	8.5%	7.5%	1.0%
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.01	0.02	0.04	0.04	0.06	0.06	0.07	0.06	**0.06**	6.3%	103.0%	0.5%
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-50.2%	-2.1%	♦
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	1.6%	-	♦
Spain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	0.01	0.03	0.05	0.07	0.09	0.12	0.15	0.21	0.22	0.26	0.31	0.36	0.41	0.40	0.46	0.51	0.48	0.45	0.44	0.44	0.46	**0.50**	10.0%	3.8%	3.9%
Sweden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.06	0.07	0.09	0.10	0.15	0.14	0.16	0.15	**0.18**	19.2%	22.9%	1.4%
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	19.7%	♦
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.03	0.04	0.05	0.07	0.08	0.11	0.14	0.16	0.18	**0.19**	8.4%	36.3%	1.5%
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	**0.02**	58.0%	37.9%	0.1%
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.09	0.10	0.15	0.18	0.26	0.29	0.37	0.34	0.45	0.51	**0.57**	12.3%	22.4%	4.5%
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	**0.01**	137.9%	45.3%	0.1%
Total Europe	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.03**	**0.04**	**0.05**	**0.07**	**0.11**	**0.14**	**0.22**	**0.27**	**0.36**	**0.44**	**0.58**	**0.69**	**0.80**	**1.01**	**1.15**	**1.28**	**1.44**	**1.74**	**1.99**	**2.29**	**2.43**	**2.90**	**2.92**	**3.46**	**3.60**	**4.11**	**14.2%**	**12.1%**	**32.3%**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	-	-	^	^	^	^	^	^	**^**	63.2%	-	♦
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	7.0%	57.4%	♦
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**^**	28.2%	-	♦
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	32.3%	45.6%	♦
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
USSR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	5.3%	28.5%	♦
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**29.6%**	**57.9%**	**0.1%**
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	6.8%	4.8%	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	21.0%	♦
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	**^**	-0.4%	-	♦
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-0.4%	-	♦
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	**0.01**	-0.4%	62.3%	0.1%
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**1.7%**	**17.6%**	**0.1%**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	**^**	-0.4%	-	♦
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	**0.02**	37.0%	7.5%	0.2%
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	**0.04**	21.9%	28.3%	0.3%
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.01	0.03	0.04	0.05	0.06	**0.06**	0.3%	77.4%	0.5%
Eastern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	**0.02**	173.6%	48.0%	0.2%
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	**^**	-0.4%	n/a	♦
Western Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.7%	37.0%	♦
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	10.0%	26.9%	♦
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.02**	**0.03**	**0.03**	**0.05**	**0.08**	**0.10**	**0.11**	**0.13**	**0.16**	**22.1%**	**26.2%**	**1.2%**
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.09	0.09	0.11	0.12	0.12	0.15	**0.17**	18.5%	16.1%	1.4%
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	5.1%	♦
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.01	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.05	0.12	0.26	0.46	0.69	0.96	1.27	1.46	1.69	2.18	2.74	3.27	**3.62**	10.5%	38.7%	28.4%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-3.8%	7.7%	♦
India	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.05	0.06	0.09	0.11	0.14	0.15	0.18	0.22	0.25	0.28	0.31	0.30	0.39	0.47	0.54	**0.56**	4.6%	14.7%	4.4%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	-	^	^	-	^	**^**	-0.4%	91.3%	♦
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	**0.08**	16.8%	8.9%	0.6%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.02**	8.7%	6.3%	0.2%
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.01	0.01	0.01	0.02	0.03	**0.04**	51.7%	-	0.3%
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	**0.01**	1.5%	33.3%	0.1%
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	**0.02**	6.2%	17.5%	0.2%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	59.5%	♦
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.02	**0.02**	10.6%	10.4%	0.1%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	**0.02**	36.1%	128.1%	0.2%
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	**^**	57.7%	67.3%	♦
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	43.0%	23.2%	♦
Total Asia Pacific	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.03**	**0.03**	**0.04**	**0.05**	**0.09**	**0.12**	**0.18**	**0.24**	**0.34**	**0.52**	**0.77**	**1.06**	**1.37**	**1.74**	**1.97**	**2.22**	**2.83**	**3.49**	**4.15**	**4.58**	**10.5%**	**28.3%**	**36.0%**
Total World	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.03**	**0.04**	**0.04**	**0.05**	**0.06**	**0.07**	**0.08**	**0.09**	**0.12**	**0.16**	**0.21**	**0.31**	**0.38**	**0.52**	**0.62**	**0.83**	**1.01**	**1.28**	**1.63**	**2.10**	**2.61**	**3.25**	**4.11**	**4.92**	**5.86**	**6.47**	**7.57**	**8.73**	**10.27**	**11.36**	**12.74**	**12.1%**	**18.4%**	**100.0%**
of which: OECD	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.03	0.04	0.04	0.05	0.05	0.07	0.07	0.08	0.11	0.14	0.19	0.29	0.35	0.48	0.57	0.75	0.92	1.13	1.44	1.80	2.14	2.53	3.09	3.55	4.09	4.39	5.09	5.51	6.29	6.67	**7.50**	12.5%	14.0%	58.9%
Non-OECD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.08	0.09	0.15	0.19	0.30	0.46	0.72	1.02	1.37	1.77	2.08	2.48	3.21	3.98	4.70	**5.24**	11.6%	31.7%	41.1%
European Union #	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07	0.11	0.14	0.22	0.27	0.36	0.43	0.57	0.68	0.79	1.00	1.14	1.25	1.40	1.68	1.92	2.19	2.32	2.76	2.75	3.25	3.37	**3.84**	13.9%	11.5%	30.1%

*Based on gross generation and not accounting for cross-border electricity supply. "Input-equivalent" energy is the amount of fuel that would be required by thermal power stations to generate the reported electricity output.
Details on thermal efficiency assumptions are available in the appendices and definitions page and at *bp.com/statisticalreview*.
^ Less than 0.005.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic states.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and share of total are calculated using exajoules figures and incorporate adjustments for assumed changes in thermal efficiency.

Contents

Renewables: Generation- Geothermal, Biomass and Other*

Contents

Terawatt-hours	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Canada	-	-	-	-	-	-	-	-	-	-	-	0.7	1.1	1.1	1.3	1.3	1.9	2.1	2.1	2.3	1.7	1.9	2.3	2.5	3.5	4.0	4.0
Mexico	-	-	-	-	-	-	-	-	0.2	0.5	0.5	0.6	0.6	0.6	1.0	0.9	1.0	1.3	1.4	1.4	1.6	3.4	4.4	4.6	4.7	5.1	5.8
US	13.3	14.1	14.1	15.5	16.2	16.2	16.6	18.7	20.0	20.4	19.8	22.6	23.5	24.7	25.8	26.7	27.4	26.4	29.8	35.6	36.4	38.7	42.7	42.4	48.9	57.5	60.6
Total North America	**13.3**	**14.1**	**14.1**	**15.5**	**16.2**	**16.2**	**16.6**	**18.7**	**20.2**	**20.9**	**20.3**	**23.9**	**25.2**	**26.4**	**28.1**	**28.9**	**30.2**	**29.8**	**33.2**	**39.4**	**39.7**	**44.0**	**49.4**	**49.5**	**57.0**	**66.5**	**70.4**
Argentina	-	-	-	-	-	^	^	0.1	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Brazil	-	-	-	-	-	0.5	0.6	0.7	0.8	0.8	0.9	0.9	1.1	1.3	1.8	1.8	1.9	2.2	3.0	2.9	3.1	3.2	3.6	3.3	3.4	3.9	4.0
Chile	-	-	-	-	-	-	0.1	0.1	0.1	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	1.0	1.0
Colombia	-	-	-	-	-	-	-	-	-	-	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
Trinidad & Tobago	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central America	-	-	-	-	-	-	0.1	0.1	0.1	0.2	0.3	0.7	0.7	0.8	0.6	0.7	1.1	1.2	1.0	1.2	0.9	0.9	0.9	0.9	1.2	1.2	1.3
Other Caribbean	-	-	-	-	-	-	1.0	0.8	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.4	1.5	1.3	1.2	1.3	1.3	1.4	1.4	1.6	1.4
Other South America	-	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total S. & Cent. America	**-**	**-**	**-**	**-**	**-**	**0.6**	**2.1**	**2.1**	**2.3**	**2.4**	**2.9**	**3.4**	**3.7**	**4.1**	**4.4**	**4.4**	**4.9**	**5.5**	**6.3**	**6.2**	**6.1**	**6.3**	**6.7**	**6.6**	**6.9**	**8.3**	**8.4**
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	0.9	1.0	1.1	1.1	1.2
Belgium	-	-	-	-	-	-	-	-	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	^	^	^	0.1	0.1	0.1	0.2	0.2	0.3	0.3
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.1	0.1	0.1	0.1	0.2	0.4
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	5.0
France	-	0.4	0.6	0.9	1.1	1.4	1.4	1.5	1.6	1.6	1.4	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.9	2.1
Germany	-	-	-	-	-	0.9	1.0	1.0	1.1	1.1	1.1	1.3	1.2	1.3	1.4	2.0	1.8	1.8	1.5	1.6	1.6	1.6	1.4	1.6	1.7	1.4	1.5
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Iceland	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	2.7	3.4	3.5	3.6	3.8	4.2	4.2	3.8	3.8	4.2	4.0	3.8	3.7	3.8	3.8	4.0	3.5	3.5	3.4	3.5	3.2	3.5	3.7	3.8	3.2	3.3	3.3
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Netherlands	-	-	-	-	-	-	-	-	-	-	0.8	0.9	0.9	1.2	1.1	1.0	1.1	0.3	0.2	^	0.4	0.6	0.7	0.8	0.9	0.7	0.8
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.2	0.2
Poland	^	^	^	^	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.3	0.4	0.4	0.2	0.1	0.1	0.1	0.1
Portugal	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.8
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-
Spain	-	-	-	-	-	^	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.6	0.7	0.6	0.5	0.5
Sweden	-	-	-	-	-	0.1	0.2	0.2	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.7	0.9	1.0	1.4	1.8	1.8	2.0	2.0	2.0	2.2	1.9	1.9
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.3	0.2	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4
Turkey	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	-	-	^	^	^	0.1	0.1	0.1	0.1	0.1
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	0.7
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Europe	**3.0**	**4.1**	**4.5**	**5.0**	**5.4**	**7.1**	**7.2**	**7.1**	**7.7**	**8.0**	**8.5**	**8.5**	**8.9**	**9.4**	**9.8**	**10.7**	**10.8**	**9.8**	**10.1**	**10.5**	**11.0**	**13.0**	**12.9**	**13.7**	**13.5**	**19.0**	**19.5**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	0.1	0.1
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
USSR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.1**	**0.1**
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Africa	-	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6	0.6	0.7	0.7
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^
Western Africa	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1
Other North Africa																											
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.7**	**0.7**	**0.6**	**0.6**	**0.8**	**0.8**
Australia	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.7	0.8	0.8	0.7
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.1
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	1.1
Japan	-	-	-	-	-	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.8	1.1	1.1	1.1	9.9	11.0	12.1	12.7	13.8	14.8	16.0	17.0	11.3	11.7
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	1.3	1.4	1.1	1.3	1.3	1.3	1.3	1.3	1.2	1.8	1.8	1.7	1.7	1.7	1.6	1.7	1.6	1.6	1.7	1.8	1.7	1.8	1.8	1.8	2.3	2.6	2.8
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.6	2.0	3.9	3.9	4.9	5.4	5.9	5.6	4.9	5.2	5.7	5.9	5.8
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1	0.2
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	0.3	0.3	0.4
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	-	-	-	-	^	^
Total Asia Pacific	**1.6**	**1.6**	**1.4**	**1.6**	**1.6**	**1.8**	**1.8**	**1.8**	**1.8**	**2.5**	**2.7**	**2.6**	**2.6**	**2.9**	**3.7**	**5.2**	**7.1**	**16.0**	**18.1**	**19.7**	**20.8**	**21.7**	**22.0**	**23.8**	**26.2**	**22.3**	**22.8**
Total World	**18.0**	**19.8**	**20.0**	**22.1**	**23.3**	**25.7**	**27.9**	**29.9**	**32.1**	**34.0**	**34.5**	**38.5**	**40.6**	**43.0**	**46.2**	**49.4**	**53.2**	**61.4**	**68.0**	**76.0**	**77.8**	**85.6**	**91.6**	**94.3**	**104.3**	**117.0**	**122.0**
of which: OECD	18.0	19.8	20.0	22.1	23.3	25.1	25.6	27.6	29.7	31.5	31.5	35.0	36.8	38.8	41.1	42.8	44.3	51.8	56.7	64.4	65.7	73.3	79.6	82.0	91.0	101.2	106.1
Non-OECD	-	-	-	-	-	0.6	2.2	2.2	2.4	2.5	3.0	3.5	3.8	4.2	5.1	6.5	8.9	9.5	11.3	11.6	12.1	12.3	12.1	12.3	13.4	15.8	15.9
European Union #	2.9	4.0	4.3	4.8	5.2	6.9	7.1	6.9	7.4	7.8	8.3	8.3	8.6	9.1	9.3	10.4	10.1	9.3	9.6	9.9	10.4	12.3	12.1	12.8	12.7	17.9	18.5

Terawatt-hours	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	4.5	4.8	5.7	7.1	7.5	8.2	9.0	8.9	8.9	9.7	10.0	9.4	9.8	9.2	8.9	9.0	8.0	8.9	10.3	10.2	10.9	11.0	9.8	10.0	11.4	10.9	10.0	**10.8**	7.7%	2.3%	1.7%
Mexico	6.4	6.5	6.2	6.4	6.2	5.9	6.1	6.1	6.4	6.2	6.1	6.9	7.3	8.1	7.5	8.2	7.9	7.5	7.4	7.4	6.8	7.3	7.1	7.4	7.3	7.7	7.0	**7.8**	10.8%	-1.2%	1.2%
US	64.8	66.9	66.4	63.3	64.8	65.8	65.6	66.5	66.6	66.8	71.8	71.3	71.9	72.6	73.1	73.9	73.6	73.2	75.1	75.8	77.0	80.7	84.1	83.7	82.7	82.8	81.9	**78.3**	-4.4%	1.1%	12.0%
Total North America	**75.6**	**78.2**	**78.3**	**76.8**	**78.5**	**79.9**	**80.7**	**81.5**	**81.9**	**82.8**	**87.9**	**87.7**	**89.0**	**89.9**	**89.5**	**91.1**	**89.4**	**89.6**	**92.8**	**93.4**	**94.7**	**99.0**	**101.0**	**101.2**	**101.4**	**101.4**	**98.9**	**96.9**	**-2.1%**	**1.0%**	**14.9%**
Argentina	0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.7	0.7	0.6	0.9	1.0	0.9	1.1	1.6	1.6	1.7	1.7	2.0	2.2	2.5	2.5	2.3	2.4	2.0	2.4	2.5	**2.4**	-3.8%	3.9%	0.4%
Brazil	4.9	5.0	5.4	5.6	6.8	7.4	7.5	8.4	7.9	9.0	10.2	11.9	12.5	13.6	14.8	18.1	19.8	22.9	31.9	32.6	35.8	41.0	47.1	49.9	51.3	52.9	54.4	**56.3**	3.4%	10.6%	8.6%
Chile	1.7	1.8	1.8	1.9	1.7	1.7	1.2	1.5	1.4	1.7	1.8	1.7	2.0	1.8	1.4	2.7	3.6	3.4	3.4	4.3	6.0	6.9	5.0	5.6	6.7	7.4	9.2	**10.0**	9.1%	9.8%	1.5%
Colombia	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.1	1.4	1.5	1.3	1.7	1.8	2.0	2.0	2.1	**2.0**	-3.4%	15.3%	0.3%
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	^	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4	**0.5**	6.3%	7.5%	0.1%
Peru	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.7	0.7	0.7	1.0	1.3	0.9	0.6	1.0	1.2	**1.6**	29.7%	10.5%	0.2%
Trinidad & Tobago	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	-	-	-	-	-	-	-	-	-	**-**	-	-100.0%	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Central America	1.8	1.7	1.7	1.8	1.7	1.9	1.6	2.4	2.8	3.1	3.3	3.5	3.7	4.0	4.3	4.8	4.9	5.3	6.0	6.1	7.0	7.4	7.9	8.1	8.9	8.6	9.5	**10.4**	10.3%	6.8%	1.6%
Other Caribbean	1.5	1.1	1.1	1.0	1.2	1.2	1.0	1.2	1.3	1.3	1.2	1.0	1.1	0.8	0.8	0.9	0.9	1.0	0.8	0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.2	**1.3**	3.1%	2.7%	0.2%
Other South America	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.1	1.1	1.3	1.3	1.5	1.8	2.4	2.9	2.9	2.9	2.9	**2.9**	♦	10.7%	0.4%
Total S. & Cent. America	**10.7**	**10.3**	**10.8**	**11.1**	**12.6**	**13.4**	**12.6**	**14.9**	**14.9**	**16.5**	**18.3**	**20.0**	**21.0**	**22.4**	**24.1**	**29.4**	**33.2**	**37.1**	**47.5**	**49.8**	**56.2**	**63.2**	**69.2**	**73.2**	**76.1**	**79.1**	**83.4**	**87.4**	**4.7%**	**9.7%**	**13.4%**
Austria	1.3	1.4	1.2	1.9	1.6	1.7	1.8	1.6	1.5	1.7	1.5	1.7	2.1	2.4	3.2	4.1	4.3	4.3	4.5	4.5	4.6	4.6	4.3	4.5	4.7	4.9	4.9	**4.8**	-1.4%	1.2%	0.7%
Belgium	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.7	0.9	1.0	1.6	2.2	2.6	3.3	3.9	4.3	4.7	5.2	5.0	4.5	5.6	5.5	5.8	5.5	**5.1**	-6.3%	5.1%	0.8%
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.1	0.1	0.1	0.2	0.3	0.4	0.4	1.5	**1.2**	-22.7%	57.4%	0.2%
Croatia	^	^	^	^	^	^	^	^	^	-	-	-	^	^	^	^	^	^	^	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	**0.9**	27.7%	41.4%	0.1%
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	0.1	^	^	0.1	0.1	0.1	0.1	0.1	**0.1**	16.7%	15.6%	♦
Czech Republic	-	0.2	0.3	0.4	0.3	0.5	0.6	0.7	0.5	0.5	0.5	0.5	0.6	0.6	0.9	1.2	1.5	1.9	2.1	2.7	3.4	4.0	4.7	4.8	4.8	5.0	4.8	**4.9**	2.0%	12.7%	0.8%
Denmark	0.5	0.7	0.6	0.6	0.8	1.0	1.1	1.3	1.3	1.5	1.9	2.5	2.9	3.2	3.1	3.1	3.1	3.3	4.6	4.4	4.4	4.3	4.3	4.2	4.9	6.4	6.0	**6.4**	6.6%	6.8%	1.0%
Estonia	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.3	0.7	0.8	1.0	0.7	0.7	0.8	0.9	1.7	1.2	**1.2**	-4.4%	41.7%	0.2%
Finland	5.0	6.0	6.5	6.6	5.9	7.9	9.3	8.4	8.6	8.2	8.9	9.3	10.4	9.5	10.8	9.9	10.4	8.7	11.0	11.2	11.1	11.9	11.7	11.3	11.4	11.2	12.2	**12.2**	0.1%	1.6%	1.9%
France	2.1	2.0	2.2	2.3	2.4	2.7	2.7	2.9	3.0	3.3	3.5	3.7	3.8	3.9	3.8	4.2	4.4	4.6	4.9	5.5	5.4	5.4	5.8	6.5	7.6	8.0	8.5	**8.7**	2.1%	6.7%	1.3%
Germany	1.6	1.6	1.9	2.0	2.1	2.3	3.3	3.6	4.7	5.2	6.0	8.8	10.5	14.4	18.7	24.4	27.8	30.9	34.0	36.9	43.2	45.6	48.4	50.5	51.1	51.1	51.0	**50.6**	-0.9%	6.3%	7.8%
Greece	^	^	^	^	-	-	-	^	-	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	**0.3**	2.2%	5.1%	♦
Hungary	^	^	^	0.1	^	0.1	0.1	0.1	0.1	0.1	^	0.2	0.7	1.7	1.3	1.6	1.9	2.3	2.3	1.9	1.7	1.8	2.1	2.2	2.1	2.2	2.3	**2.1**	-6.4%	1.7%	0.3%
Iceland	0.2	0.3	0.3	0.3	0.3	0.4	0.7	1.1	1.3	1.5	1.4	1.4	1.5	1.7	2.6	3.6	4.0	4.6	4.5	4.7	5.2	5.2	5.2	5.0	5.1	5.2	6.0	**6.0**	0.1%	4.1%	0.9%
Ireland	-	-	-	-	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.7	0.7	0.8	**0.9**	5.8%	15.0%	0.1%
Italy	3.6	3.8	3.6	3.7	4.1	4.5	5.0	5.5	6.1	6.3	7.4	8.7	9.7	10.0	10.6	10.8	11.5	12.9	14.8	16.5	18.1	22.7	24.6	25.6	25.8	25.6	25.3	**23.2**	-8.0%	8.2%	3.6%
Latvia	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.1	0.1	0.3	0.5	0.7	0.8	0.8	0.9	0.9	**1.0**	3.5%	35.6%	0.1%
Lithuania	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.4	0.4	0.4	0.5	0.5	**0.5**	15.7%	21.2%	0.1%
Luxembourg	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	**0.3**	29.3%	12.1%	♦
Netherlands	0.8	0.9	0.9	1.0	1.3	1.5	1.6	1.8	2.0	2.4	2.9	2.5	3.3	5.3	5.2	4.0	5.1	6.1	7.1	7.1	7.2	6.0	5.0	4.9	4.9	4.6	4.6	**5.6**	23.7%	-1.1%	0.9%
North Macedonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.1	0.1	**0.1**	1.9%	-	♦
Norway	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.2	**0.3**	27.6%	-6.4%	♦
Poland	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.4	0.5	0.9	1.5	2.0	2.6	3.6	5.2	6.3	7.6	10.1	8.6	10.0	9.9	8.0	6.5	6.5	**7.3**	12.2%	6.1%	1.1%
Portugal	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.4	1.5	1.6	1.5	1.6	1.7	1.8	2.1	2.0	2.3	2.8	3.1	3.1	3.2	3.3	3.3	3.2	3.4	3.4	**3.5**	4.8%	5.2%	0.5%
Romania	^	^	-	-	-	^	^	-	-	-	^	^	^	^	^	^	^	^	0.1	0.2	0.2	0.3	0.5	0.5	0.5	0.5	0.4	**0.5**	24.6%	33.7%	0.1%
Slovakia	-	-	-	-	-	-	-	-	-	0.2	0.2	0.1	^	^	0.4	0.5	0.5	0.5	0.7	0.8	0.9	0.9	1.4	1.7	1.7	1.7	1.6	**1.3**	-19.2%	12.1%	0.2%
Slovenia	-	-	-	-	-	-	-	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	**0.3**	1.0%	-0.5%	♦
Spain	0.6	0.6	0.6	1.0	1.1	1.5	1.5	1.7	1.5	1.6	2.6	3.2	3.3	2.7	2.8	2.9	3.3	3.4	3.8	4.5	5.0	5.3	5.4	5.8	5.7	6.1	6.2	**6.3**	1.7%	6.6%	1.0%
Sweden	2.0	2.2	2.2	2.4	2.1	2.8	2.8	2.7	4.1	3.8	4.2	4.5	7.2	7.5	8.4	9.8	10.3	11.5	12.2	11.5	12.2	11.5	10.7	10.8	11.5	12.1	11.9	**13.1**	10.1%	1.4%	2.0%
Switzerland	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.2	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.6	1.7	1.8	1.8	**1.8**	-2.7%	4.0%	0.3%
Turkey	0.1	0.1	0.1	0.3	0.3	0.4	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.7	1.0	1.0	1.5	2.2	3.4	4.7	6.5	8.3	10.1	**12.7**	26.1%	41.9%	2.0%
Ukraine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	**0.2**	9.5%	-1.8%	♦
United Kingdom	0.9	1.2	1.5	1.6	1.8	2.1	2.7	3.4	3.9	4.5	5.1	6.2	7.4	9.1	9.3	9.3	9.6	10.7	12.3	13.3	14.7	18.1	22.6	29.3	30.1	31.8	34.8	**36.6**	5.1%	13.7%	5.6%
Other Europe	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.2	0.2	**0.2**	16.1%	18.9%	♦
Total Europe	**20.7**	**22.9**	**24.0**	**26.5**	**26.7**	**31.7**	**36.1**	**38.1**	**42.3**	**45.0**	**50.7**	**58.0**	**68.8**	**78.7**	**89.3**	**99.5**	**110.0**	**120.7**	**136.9**	**146.2**	**162.0**	**171.7**	**183.5**	**196.7**	**201.6**	**208.3**	**215.0**	**220.3**	**2.5%**	**6.9%**	**33.8%**
Azerbaijan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	-	-	♦
Belarus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	4.5%	12.7%	♦
Kazakhstan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	**^**	110.6%	-	♦
Russian Federation	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.5	0.5	**0.5**	-0.5%	0.7%	0.1%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-	n/a	♦
Total CIS	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.4**	**0.4**	**0.5**	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.7**	**0.6**	**0.6**	**0.7**	**0.7**	**0.6**	**0.7**	**0.7**	**0.7**	**0.7%**	**3.5%**	**0.1%**
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	-	-	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.1	0.1	0.1	^	0.1	0.1	0.1	0.1	0.1	**0.1**	-	30.6%	♦
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	-	-	♦
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-	-	♦
Other Middle East	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-	1.5%	♦
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.1**	**0.1**	**0.2**	**0.2**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.3**	**0.3**	**-**	**32.0%**	**♦**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Africa	-	-	-	-	0.1	0.1	0.2	0.2	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	**0.4**	-	-0.6%	0.1%
Eastern Africa	0.7	0.7	0.6	0.7	0.9	0.9	1.1	1.1	1.5	1.6	1.5	1.9	2.2	2.2	2.3	2.2	2.3	2.7	2.9	2.9	3.1	3.4	4.6	6.2	6.2	6.5	7.0	**7.2**	1.8%	11.7%	1.1%
Middle Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	^	**^**	-	-16.6%	♦
Western Africa	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	**0.4**	-	3.3%	0.1%
Other North Africa																															
Other Southern Africa	^	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	**0.2**	-	3.5%	♦
Total Africa	**0.8**	**0.9**	**0.8**	**1.0**	**1.3**	**1.4**	**1.7**	**1.7**	**2.3**	**2.3**	**2.3**	**2.6**	**3.0**	**3.0**	**3.8**	**3.1**	**3.3**	**3.6**	**3.8**	**3.9**	**4.1**	**4.4**	**5.6**	**7.1**	**7.2**	**7.6**	**8.1**	**8.2**	**1.5%**	**9.4%**	**1.3%**
Australia	0.7	0.7	0.7	0.8	0.9	1.0	1.1	1.1	0.9	0.8	1.3	1.7	2.8	3.9	3.9	4.3	3.7	2.8	2.4	2.6	3.1	3.3	3.5	3.7	3.7	3.5	3.6	**3.6**	0.6%	-0.4%	0.5%
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	-	-	♦
China	0.1	0.1	0.5	3.0	1.5	2.7	2.5	2.5	2.5	2.6	2.5	2.5	2.5	5.3	7.1	9.9	14.9	20.9	24.9	27.6	30.1	37.1	46.3	54.1	62.1	79.6	93.7	**102.8**	9.7%	20.2%	15.8%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	11.2%	-	♦
India	0.1	0.3	0.4	0.6	0.8	1.0	1.3	1.7	1.7	2.1	2.1	2.7	3.3	4.0	5.6	7.4	9.3	11.6	14.3	17.1	19.9	22.5	24.7	25.8	24.8	25.0	26.2	**25.4**	-3.2%	10.9%	3.9%
Indonesia	1.1	1.1	1.6	2.2	2.3	2.7	3.3	3.9	4.9	6.0	6.2	6.3	6.7	6.6	6.7	7.0	8.3	9.3	9.4	9.5	9.6	9.5	10.2	10.3	11.0	13.1	14.4	**15.7**	9.3%	5.6%	2.4%
Japan	11.9	11.6	13.5	14.3	15.2	16.4	16.2	16.5	16.1	16.0	16.9	17.9	18.1	21.7	21.5	22.2	21.3	20.3	21.8	21.1	22.1	23.2	23.6	28.5	18.6	21.3	23.4	**37.3**	59.5%	0.9%	5.7%
Malaysia	-	-	-	-	-	-	-	-	0.6	0.6	0.4	0.4	0.6	0.6	0.6	0.8	0.8	1.4	1.3	1.5	1.5	1.1	0.7	0.8	0.8	0.8	0.8	**0.9**	8.5%	0.3%	0.1%
New Zealand	2.8	2.9	2.7	2.7	2.6	2.7	3.1	3.3	3.5	3.3	3.2	3.1	3.2	3.6	3.9	4.1	4.7	5.4	6.4	6.7	6.8	7.0	7.8	8.4	8.4	8.4	8.4	**8.4**	0.9%	5.9%	1.3%
Pakistan	-	-	-	-	-	-	-	-	0.9	0.9	1.0	1.0	1.1	-	-	-	-	-	-	-	-	-	-	0.6	0.8	1.0	1.0	**0.9**	-5.2%	-	0.1%
Philippines	5.7	5.7	6.3	6.1	6.5	7.2	8.9	10.6	11.6	10.4	10.2	9.8	10.3	9.9	10.5	10.2	10.7	10.3	10.0	10.1	10.4	9.8	10.5	11.4	11.8	11.3	11.5	**11.8**	2.0%	0.7%	1.8%
Singapore	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8	**0.8**	-0.8%	3.9%	0.1%
South Korea	-	-	-	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.4	0.7	1.3	1.6	1.8	2.0	2.8	3.7	5.3	6.8	9.2	11.7	**14.3**	22.9%	32.1%	2.2%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	**0.1**	6.5%	31.0%	♦
Taiwan	0.4	0.4	0.4	0.5	0.6	0.5	0.6	0.8	1.1	1.4	1.7	1.8	1.8	1.8	1.8	1.9	1.8	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	**2.0**	1.3%	0.8%	0.3%
Thailand	^	^	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.8	1.2	1.8	1.9	2.0	2.4	2.1	2.3	3.4	4.0	4.7	5.6	6.7	7.3	8.8	9.3	10.9	**13.7**	26.4%	17.6%	2.1%
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	-	3.3%	♦
Other Asia Pacific	^	^	^	^	^	-	-	-	-	^	^	^	^	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	**0.2**	-	16.8%	♦
Total Asia Pacific	**23.0**	**22.9**	**26.4**	**30.9**	**31.5**	**34.9**	**37.5**	**41.2**	**44.6**	**45.2**	**47.1**	**49.2**	**53.0**	**60.2**	**64.5**	**71.1**	**79.0**	**88.0**	**98.1**	**104.6**	**113.0**	**124.7**	**140.7**	**159.3**	**160.7**	**185.6**	**208.6**	**238.0**	**14.1%**	**10.2%**	**36.5%**
Total World	**130.9**	**135.3**	**140.4**	**146.4**	**150.6**	**161.3**	**168.8**	**177.4**	**186.1**	**191.9**	**206.4**	**217.9**	**235.3**	**254.6**	**271.7**	**294.8**	**315.5**	**339.6**	**379.9**	**398.7**	**430.8**	**464.0**	**500.9**	**538.3**	**547.9**	**582.9**	**615.0**	**651.8**	**6.0%**	**6.9%**	**100.0%**
of which: OECD	113.4	118.0	121.0	123.2	126.2	133.5	138.4	142.0	146.1	149.6	161.9	170.2	184.2	199.8	209.8	223.8	233.1	243.4	265.0	275.5	296.2	313.2	327.2	348.0	345.7	357.8	367.0	**387.8**	5.7%	4.6%	59.5%
Non-OECD	17.6	17.3	19.4	23.1	24.4	27.8	30.4	35.4	39.9	42.3	44.5	47.7	51.1	54.8	61.9	70.9	82.4	96.3	114.9	123.2	134.6	150.7	173.7	190.3	202.2	225.1	248.0	**264.0**	6.5%	11.7%	40.5%
European Union #	19.7	21.8	22.8	25.0	25.1	30.0	34.2	35.7	39.7	42.1	47.8	55.1	65.8	75.5	84.9	93.7	103.8	113.9	129.6	138.5	153.3	162.1	172.7	184.9	187.8	192.4	196.4	**199.1**	1.3%	6.6%	30.5%

* Based on gross generation and not accounting for cross-border electricity supply.
^ Less than 0.05.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic states.
\# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and shares of total are calculated using terawatt-hours figures.

Contents

Renewables: Consumption - Geothermal, Biomass and Other*

Contents

Exajoules (input-equivalent)	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Canada	-	-	-	-	-	-	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.04
Mexico	-	-	-	-	-	-	-	-	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.05	0.05	0.06	0.06
US	0.13	0.14	0.14	0.16	0.16	0.16	0.17	0.19	0.20	0.20	0.20	0.23	0.24	0.25	0.26	0.27	0.27	0.26	0.30	0.36	0.36	0.39	0.43	0.42	0.49	0.57	0.61	0.65
Total North America	**0.13**	**0.14**	**0.14**	**0.16**	**0.16**	**0.16**	**0.17**	**0.19**	**0.20**	**0.21**	**0.20**	**0.24**	**0.25**	**0.26**	**0.28**	**0.29**	**0.30**	**0.30**	**0.33**	**0.39**	**0.40**	**0.44**	**0.49**	**0.50**	**0.57**	**0.67**	**0.70**	**0.76**
Argentina	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Brazil	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.05
Chile	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02
Colombia	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Trinidad & Tobago	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central America	-	-	-	-	-	-	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Other Caribbean	-	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Other South America	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Total S. & Cent. America	**-**	**-**	**-**	**-**	**-**	**0.01**	**0.02**	**0.02**	**0.02**	**0.02**	**0.03**	**0.03**	**0.04**	**0.04**	**0.04**	**0.04**	**0.05**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**0.07**	**0.07**	**0.07**	**0.08**	**0.08**	**0.11**
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Belgium	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Croatia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	^
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Czech Republic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.01
Estonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	0.05	0.05
France	-	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Germany	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.01	0.02
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Iceland	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.04
Latvia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
Lithuania	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
Luxembourg	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Netherlands	-	-	-	-	-	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01
North Macedonia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^
Poland	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Portugal	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Romania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	^
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slovenia	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-
Spain	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Sweden	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Switzerland	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	^	^	^
Turkey	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	-	-	^	^	^	^	^	^	^	^	^
Ukraine	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.01	0.01
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Europe	**0.03**	**0.04**	**0.04**	**0.05**	**0.05**	**0.07**	**0.07**	**0.07**	**0.08**	**0.08**	**0.09**	**0.08**	**0.09**	**0.09**	**0.10**	**0.11**	**0.11**	**0.10**	**0.10**	**0.11**	**0.11**	**0.13**	**0.13**	**0.14**	**0.14**	**0.19**	**0.20**	**0.21**
Azerbaijan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
Belarus	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
Kazakhstan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
Russian Federation	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	^	^	^
Turkmenistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
USSR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
Other CIS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-	-	-	-
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Africa	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Middle Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Western Africa	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Southern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Australia	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.01	0.01
Japan	-	-	-	-	-	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.11	0.12	0.12
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
Pakistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	^	^	0.01	0.02	0.04	0.04	0.05	0.05	0.06	0.06	0.05	0.05	0.06	0.06	0.06	0.06
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	-	-	-	-	^	^	^
Total Asia Pacific	**0.02**	**0.02**	**0.01**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.03**	**0.03**	**0.03**	**0.03**	**0.04**	**0.05**	**0.07**	**0.16**	**0.18**	**0.20**	**0.21**	**0.22**	**0.22**	**0.24**	**0.26**	**0.22**	**0.23**	**0.23**
Total World	**0.18**	**0.20**	**0.20**	**0.22**	**0.23**	**0.26**	**0.28**	**0.30**	**0.32**	**0.34**	**0.34**	**0.38**	**0.41**	**0.43**	**0.46**	**0.49**	**0.53**	**0.61**	**0.68**	**0.76**	**0.78**	**0.86**	**0.92**	**0.94**	**1.04**	**1.17**	**1.22**	**1.31**
of which: OECD	0.18	0.20	0.20	0.22	0.23	0.25	0.26	0.28	0.30	0.31	0.31	0.35	0.37	0.39	0.41	0.43	0.44	0.52	0.57	0.64	0.66	0.73	0.80	0.82	0.91	1.01	1.06	1.13
Non-OECD	-	-	-	-	-	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.07	0.09	0.10	0.11	0.12	0.12	0.12	0.12	0.12	0.13	0.16	0.16	0.18
European Union #	0.03	0.04	0.04	0.05	0.05	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.09	0.10	0.10	0.10	0.12	0.12	0.13	0.13	0.18	0.19	0.20

Exajoules (input-equivalent)	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	0.05	0.06	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.09	0.10	0.09	0.09	0.09	0.08	0.08	0.10	0.10	0.10	0.10	0.09	0.09	0.10	0.10	0.09	**0.10**	7.3%	1.7%	1.7%
Mexico	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.07	0.08	0.08	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.06	**0.07**	10.4%	-1.8%	1.2%
US	0.67	0.66	0.63	0.65	0.66	0.66	0.66	0.67	0.66	0.71	0.70	0.70	0.70	0.70	0.71	0.70	0.69	0.70	0.71	0.71	0.74	0.77	0.76	0.75	0.75	0.73	**0.70**	-4.7%	0.5%	12.0%
Total North America	**0.78**	**0.78**	**0.77**	**0.79**	**0.80**	**0.81**	**0.81**	**0.82**	**0.82**	**0.87**	**0.86**	**0.87**	**0.87**	**0.86**	**0.87**	**0.85**	**0.85**	**0.87**	**0.87**	**0.88**	**0.91**	**0.93**	**0.92**	**0.92**	**0.91**	**0.89**	**0.86**	**-2.4%**	**0.4%**	**14.9%**
Argentina	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.02**	-4.2%	3.3%	0.4%
Brazil	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.10	0.12	0.12	0.13	0.14	0.17	0.19	0.22	0.30	0.30	0.33	0.38	0.43	0.45	0.46	0.48	0.49	**0.50**	3.1%	10.0%	8.6%
Chile	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.05	0.05	0.06	0.07	0.08	**0.09**	8.7%	9.2%	1.5%
Colombia	^	^	^	^	^	0.01	^	^	^	^	^	^	^	0.01	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	**0.02**	-3.7%	14.6%	0.3%
Ecuador	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	5.9%	6.8%	0.1%
Peru	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	29.2%	9.8%	0.2%
Trinidad & Tobago	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	-	-	-	-	-	-	-	-	-	**-**	-	-100.0%	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Central America	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08	**0.09**	9.9%	6.1%	1.6%
Other Caribbean	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	2.7%	2.1%	0.2%
Other South America	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	**0.03**	-0.3%	10.0%	0.4%
Total S. & Cent. America	**0.10**	**0.11**	**0.11**	**0.13**	**0.13**	**0.13**	**0.15**	**0.15**	**0.16**	**0.18**	**0.20**	**0.20**	**0.22**	**0.23**	**0.28**	**0.32**	**0.35**	**0.45**	**0.46**	**0.52**	**0.58**	**0.63**	**0.67**	**0.69**	**0.71**	**0.75**	**0.78**	**4.3%**	**9.0%**	**13.4%**
Austria	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	**0.04**	-1.7%	0.6%	0.7%
Belgium	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	**0.05**	-6.6%	4.5%	0.8%
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	0.01	**0.01**	-23.0%	56.4%	0.2%
Croatia	^	^	^	^	^	^	^	^	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	**0.01**	27.3%	40.5%	0.1%
Cyprus	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	16.3%	15.0%	♦
Czech Republic	^	^	^	^	^	0.01	0.01	0.01	0.01	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	**0.04**	1.6%	12.1%	0.8%
Denmark	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.05	**0.06**	6.2%	6.1%	1.0%
Estonia	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	**0.01**	-4.7%	40.9%	0.2%
Finland	0.06	0.06	0.07	0.06	0.08	0.09	0.08	0.09	0.08	0.09	0.09	0.10	0.09	0.10	0.09	0.10	0.08	0.10	0.10	0.10	0.11	0.11	0.10	0.10	0.10	0.11	**0.11**	-0.3%	1.0%	1.9%
France	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.07	0.08	**0.08**	1.7%	6.1%	1.3%
Germany	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.09	0.10	0.14	0.18	0.23	0.26	0.29	0.32	0.34	0.40	0.42	0.44	0.46	0.46	0.46	0.46	**0.45**	-1.2%	5.6%	7.8%
Greece	^	^	^	-	-	-	^	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	1.9%	4.5%	♦
Hungary	^	^	^	^	^	^	^	^	^	^	^	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.02**	-6.7%	1.1%	0.3%
Iceland	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	**0.05**	-0.2%	3.4%	0.9%
Ireland	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	**0.01**	5.4%	14.3%	0.1%
Italy	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.09	0.09	0.10	0.10	0.10	0.11	0.12	0.14	0.15	0.17	0.21	0.23	0.23	0.23	0.23	0.23	**0.21**	-8.4%	7.5%	3.6%
Latvia	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	**0.01**	3.1%	34.8%	0.1%
Lithuania	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	15.3%	20.4%	0.1%
Luxembourg	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	28.8%	11.4%	♦
Netherlands	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.05	0.05	0.04	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.04	0.04	0.04	0.04	**0.05**	23.2%	-1.7%	0.9%
North Macedonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	**^**	1.6%	-	♦
Norway	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	27.1%	-7.0%	♦
Poland	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.02	0.02	0.03	0.05	0.06	0.07	0.09	0.08	0.09	0.09	0.07	0.06	0.06	**0.07**	11.8%	5.5%	1.1%
Portugal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	**0.03**	4.4%	4.5%	0.5%
Romania	^	-	-	-	^	^	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	24.2%	32.9%	0.1%
Slovakia	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	**0.01**	-19.5%	11.5%	0.2%
Slovenia	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	0.7%	-1.1%	♦
Spain	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	**0.06**	1.3%	6.0%	1.0%
Sweden	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.07	0.07	0.08	0.09	0.10	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.11	0.11	**0.12**	9.7%	0.8%	2.0%
Switzerland	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.02	**0.02**	-3.1%	3.3%	0.3%
Turkey	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.09	**0.11**	25.6%	41.0%	2.0%
Ukraine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	**^**	9.1%	-2.4%	♦
United Kingdom	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.07	0.09	0.09	0.09	0.09	0.10	0.12	0.12	0.14	0.17	0.21	0.27	0.27	0.29	0.31	**0.33**	4.7%	13.0%	5.6%
Other Europe	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	15.6%	18.1%	♦
Total Europe	**0.23**	**0.24**	**0.26**	**0.27**	**0.32**	**0.36**	**0.38**	**0.42**	**0.45**	**0.50**	**0.57**	**0.67**	**0.76**	**0.86**	**0.95**	**1.05**	**1.14**	**1.28**	**1.36**	**1.50**	**1.58**	**1.68**	**1.79**	**1.82**	**1.87**	**1.92**	**1.96**	**2.1%**	**6.3%**	**33.8%**
Azerbaijan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-0.4%	-	♦
Belarus	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	4.1%	12.0%	♦
Kazakhstan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	**^**	109.8%	-	♦
Russian Federation	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	^	^	0.01	^	^	^	^	**^**	-0.9%	0.1%	0.1%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Other CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-0.4%	n/a	♦
Total CIS	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.3%**	**2.9%**	**0.1%**
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	-	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**			
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	29.8%	♦
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**			
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	**^**	-0.4%	-	♦
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	**^**	-0.4%	-	♦
Other Middle East	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	0.8%	♦
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**-0.4%**	**31.2%**	**♦**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Morocco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
South Africa	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	-1.2%	0.1%
Eastern Africa	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.06	0.06	0.06	0.06	**0.06**	1.4%	11.1%	1.1%
Middle Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	-17.1%	♦
Western Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	2.7%	0.1%
Other Northern Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	n/a	n/a	-
Other Southern Africa	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	2.9%	♦
Total Africa	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.03**	**0.03**	**0.03**	**0.04**	**0.03**	**0.03**	**0.03**	**0.04**	**0.04**	**0.04**	**0.04**	**0.05**	**0.06**	**0.07**	**0.07**	**0.07**	**0.07**	**1.2%**	**8.8%**	**1.3%**
Australia	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.04	0.04	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	**0.03**	0.2%	-1.0%	0.5%
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	-	♦
China	^	^	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.05	0.07	0.09	0.14	0.20	0.23	0.26	0.28	0.34	0.42	0.49	0.56	0.72	0.84	**0.92**	9.3%	19.5%	15.8%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**^**	10.7%	-	♦
India	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.07	0.09	0.11	0.13	0.16	0.18	0.21	0.23	0.24	0.22	0.23	0.23	**0.23**	-3.6%	10.2%	3.9%
Indonesia	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.12	0.13	**0.14**	8.9%	5.0%	2.4%
Japan	0.12	0.13	0.14	0.15	0.16	0.16	0.16	0.16	0.16	0.17	0.18	0.18	0.21	0.21	0.21	0.20	0.19	0.20	0.20	0.21	0.21	0.22	0.26	0.17	0.19	0.21	**0.33**	58.9%	0.3%	5.7%
Malaysia	-	-	-	-	-	-	-	0.01	0.01	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	8.1%	-0.3%	0.1%
New Zealand	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.06	0.06	0.06	0.06	0.07	0.08	0.08	0.08	0.07	**0.08**	0.5%	5.2%	1.3%
Pakistan	-	-	-	-	-	-	-	0.01	0.01	0.01	0.01	0.01	-	-	-	-	-	-	-	-	-	-	0.01	0.01	0.01	0.01	**0.01**	-5.5%	-	0.1%
Philippines	0.06	0.06	0.06	0.07	0.07	0.09	0.11	0.12	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.10	0.09	0.10	0.10	0.11	0.10	0.10	**0.10**	1.6%	0.1%	1.8%
Singapore	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	-1.2%	3.3%	0.1%
South Korea	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.05	0.06	0.08	0.10	**0.13**	22.4%	31.3%	2.2%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	6.1%	30.2%	♦
Taiwan	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.02**	1.0%	0.1%	0.3%
Thailand	^	^	^	^	^	^	^	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.08	0.10	**0.12**	25.9%	16.9%	2.1%
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	2.7%	♦
Other Asia Pacific	^	^	^	^	-	-	-	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	**^**	-0.4%	16.1%	♦
Total Asia Pacific	**0.23**	**0.26**	**0.31**	**0.31**	**0.35**	**0.38**	**0.41**	**0.45**	**0.45**	**0.46**	**0.48**	**0.52**	**0.58**	**0.62**	**0.68**	**0.75**	**0.83**	**0.92**	**0.98**	**1.05**	**1.15**	**1.29**	**1.45**	**1.45**	**1.67**	**1.87**	**2.12**	**13.7%**	**9.5%**	**36.5%**
Total World	**1.35**	**1.40**	**1.46**	**1.51**	**1.61**	**1.69**	**1.77**	**1.86**	**1.91**	**2.04**	**2.14**	**2.29**	**2.47**	**2.61**	**2.82**	**3.00**	**3.21**	**3.57**	**3.72**	**3.99**	**4.28**	**4.59**	**4.90**	**4.96**	**5.25**	**5.50**	**5.81**	**5.6%**	**6.3%**	**100.0%**
of which: OECD	1.18	1.21	1.23	1.26	1.33	1.38	1.42	1.46	1.49	1.60	1.67	1.79	1.93	2.02	2.14	2.22	2.30	2.49	2.57	2.75	2.89	3.00	3.17	3.13	3.22	3.28	**3.46**	5.3%	4.0%	59.5%
Non-OECD	0.17	0.19	0.23	0.24	0.28	0.30	0.35	0.40	0.42	0.44	0.47	0.50	0.53	0.60	0.68	0.78	0.91	1.08	1.15	1.25	1.39	1.59	1.73	1.83	2.03	2.22	**2.35**	6.1%	11.0%	40.5%
European Union #	0.22	0.23	0.25	0.25	0.30	0.34	0.36	0.40	0.42	0.47	0.54	0.64	0.73	0.82	0.90	0.99	1.08	1.22	1.29	1.42	1.49	1.58	1.68	1.70	1.73	1.76	**1.77**	1.0%	5.9%	30.5%

*Based on gross generation and not accounting for cross-border electricity supply. "Input-equivalent" energy is the amount of fuel that would be required by thermal power stations to generate the reported electricity output.
Details on thermal efficiency assumptions are available in the appendices and definitions page and at *bp.com/statisticalreview*.
^ Less than 0.005.
♦ Less than 0.05%.
n/a not available.
USSR includes CIS, Georgia, Ukraine and the Baltic states.
Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.
Notes: Annual changes and share of total are calculated using exajoules figures and incorporate adjustments for assumed changes in thermal efficiency.

Contents

Renewable energy - Biofuels production*

Contents

Contents

Thousand barrels of oil equivalent per day	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	2008-18	Share 2019
Canada	-	-	-	-	-	-	-	-	-	1	2	2	2	2	2	3	3	9	10	14	16	19	20	19	21	22	23	25	25	**28.6**	14.4%	9.4%	1.6%
Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	^	^	^	**0.2**	-	-	♦
US	28	33	37	44	49	52	37	49	54	56	62	68	82	108	131	154	200	276	391	445	526	585	557	582	617	634	673	696	717	**697.1**	-2.7%	6.2%	37.9%
Total North America	**28**	**33**	**37**	**44**	**49**	**52**	**37**	**49**	**54**	**57**	**64**	**70**	**84**	**110**	**133**	**157**	**203**	**285**	**401**	**460**	**542**	**604**	**577**	**601**	**638**	**656**	**696**	**722**	**742**	**726.0**	**-2.1%**	**6.3%**	**39.4%**
Argentina	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	^	1	3	11	19	32	42	43	38	49	38	53	58	51	**46.0**	-9.9%	16.1%	2.5%
Brazil	116	129	118	115	126	128	142	156	142	131	107	115	127	146	147	161	180	233	290	286	316	270	276	321	337	362	340	342	413	**444.2**	7.6%	3.6%	24.1%
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	2	2	2	5	8	10	11	12	12	12	12	11	14	**13.2**	-4.6%	18.7%	0.7%
Other S. & Cent. America	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	6	7	9	4	4	5	5	7	8	8	10	10	11	**12.1**	7.2%	2.1%	0.7%
Total S. & Cent. America	**117**	**131**	**119**	**116**	**127**	**129**	**143**	**157**	**143**	**131**	**108**	**116**	**129**	**149**	**150**	**165**	**188**	**245**	**313**	**315**	**360**	**327**	**335**	**378**	**406**	**421**	**415**	**422**	**489**	**515.5**	**5.4%**	**4.6%**	**28.0%**
Austria	^	^	^	^	^	^	^	^	^	^	^	^	^	1	1	1	2	4	5	7	7	7	7	7	6	7	8	7	7	**7.1**	-1.7%	3.7%	0.4%
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7	8	8	8	11	7	7	8	8	**8.6**	7.9%	-	0.5%
Finland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	4	6	4	5	6	7	8	2	6	5	**5.5**	4.9%	12.8%	0.3%
France	-	-	^	^	2	3	4	5	5	5	6	6	7	7	7	12	13	21	39	44	43	42	49	48	51	53	49	52	58	**50.6**	-13.1%	4.1%	2.7%
Germany	-	-	^	^	^	1	1	1	2	2	4	6	9	11	17	26	43	53	47	47	59	58	54	58	65	60	60	62	64	**64.2**	0.6%	3.1%	3.5%
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	4	3	12	14	15	11	6	9	10	10	10	12	13	**14.3**	12.2%	0.8%	0.8%
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	2	1	5	7	13	24	28	34	36	29	37	36	**35.5**	-1.8%	37.8%	1.9%
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	1	^	2	3	2	5	8	8	8	12	13	14	15	17	17	17	**18.0**	5.5%	12.1%	1.0%
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	1	3	3	4	5	6	5	5	6	6	6	6	6	**7.4**	20.2%	8.2%	0.4%
Spain	-	-	-	-	-	-	-	-	-	-	1	1	2	3	4	6	5	7	7	17	19	16	12	14	19	21	22	29	34	**29.9**	-13.4%	17.0%	1.6%
Sweden	-	-	-	-	-	-	-	-	-	-	-	^	1	2	3	1	1	1	2	3	4	4	4	4	4	4	4	3	4	**4.5**	26.3%	3.6%	0.2%
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	4	7	5	4	5	3	6	9	7	6	10	14	13	**10.9**	-14.9%	9.2%	0.6%
Other Europe	-	-	^	^	^	^	^	^	^	1	1	2	2	3	3	5	7	9	17	20	20	22	26	28	28	32	33	35	39	**39.9**	2.5%	8.9%	2.2%
Total Europe	**^**	**^**	**^**	**1**	**2**	**4**	**6**	**7**	**7**	**8**	**13**	**16**	**22**	**27**	**41**	**56**	**83**	**113**	**146**	**180**	**205**	**201**	**218**	**237**	**262**	**265**	**257**	**289**	**304**	**296.3**	**-2.6%**	**7.6%**	**16.1%**
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**1**	**1**	**1**	**^**	**^**	**^**	**^**	**^**	**^**	**0.4**	**-**	**12.1%**	**♦**
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**0.3**	**-**	**-**	**♦**
Total Africa	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**5**	**6**	**6**	**4**	**4**	**5**	**7**	**7**	**8**	**9**	**9.3**	**6.6%**	**25.5%**	**0.5%**
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	3	4	3	4	4	5	5	4	4	2	3	**3.0**	6.3%	-0.7%	0.2%
China	-	-	-	-	-	-	-	-	-	-	-	0	3	8	10	14	21	23	28	31	30	37	39	44	49	42	40	49	47	**49.8**	6.6%	5.3%	2.7%
India	-	-	-	-	-	-	-	-	-	-	2	2	2	2	^	2	1	2	3	2	4	5	5	5	5	10	12	11	19	**23.9**	24.9%	20.9%	1.3%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	1	4	8	3	4	27	33	41	59	24	54	50	91	**123.4**	35.7%	27.1%	6.7%
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	1	2	3	4	6	5	7	7	7	8	8	8	8	**8.2**	-3.2%	11.3%	0.4%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	1	2	3	10	12	16	17	24	30	34	36	31	37	40	**42.8**	8.1%	14.9%	2.3%
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	2	4	7	8	8	16	22	28	34	36	34	33	35	**42.6**	21.6%	17.0%	2.3%
Total Asia Pacific	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**	**5**	**11**	**11**	**18**	**29**	**39**	**62**	**65**	**69**	**111**	**133**	**160**	**193**	**161**	**183**	**191**	**243**	**293.6**	**21.0%**	**14.6%**	**15.9%**
Total World	**146**	**164**	**157**	**161**	**178**	**185**	**185**	**213**	**203**	**196**	**187**	**204**	**241**	**298**	**337**	**396**	**504**	**684**	**923**	**1025**	**1183**	**1250**	**1268**	**1381**	**1505**	**1511**	**1560**	**1631**	**1787**	**1841.5**	**3.0%**	**6.8%**	**100.0%**
of which: OECD	29	33	38	45	51	56	43	56	61	65	77	86	106	139	175	214	288	401	552	646	755	811	803	846	908	929	961	1016	1052	**1027.5**	-2.3%	6.7%	55.8%
Non-OECD	117	131	119	116	127	129	143	157	143	131	110	118	135	160	161	182	216	283	371	378	428	439	465	535	597	581	599	615	736	**814.0**	10.6%	7.1%	44.2%
European Union	^	^	^	1	2	4	6	7	7	8	13	16	22	27	41	56	82	112	144	179	204	199	216	235	260	262	254	285	299	**290.9**	-2.8%	7.6%	15.8%

Biofuels production by fuel type

Biogasoline

Canada & Mexico	-	-	-	-	-	-	-	-	-	1	2	2	2	2	2	3	3	8	9	13	15	17	17	17	17	17	17	18	19	**22**	11.9%	8.2%	1.9%
US	28	33	37	44	49	52	37	49	54	56	62	67	82	107	129	149	186	248	354	417	507	531	502	506	545	564	585	607	613	**601**	-2.0%	5.7%	52.6%
Brazil	116	129	118	115	126	128	142	156	142	131	107	115	127	146	147	161	179	227	272	263	281	231	236	278	287	304	284	279	334	**357**	6.9%	2.1%	31.3%
Other S. & Cent. America	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	8	9	11	6	7	9	10	13	16	18	21	22	24	**24**	1.0%	8.0%	2.1%
Europe	-	-	^	^	^	^	1	1	1	1	1	1	3	5	7	8	14	16	25	31	36	41	47	53	53	58	54	57	59	**57**	-3.7%	8.7%	4.9%
CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	-	-	-	-	-	^	^	^	^	^	^	**^**	-	-	♦
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	-	-	-	-	^	^	^	^	^	^	^	^	^	^	**^**	-	-	♦
Africa	^	^	^	^	^	^	^	^	^	^	^	^	1	1	1	1	1	1	1	5	6	6	4	4	5	6	6	5	6	**6**	0.5%	20.8%	0.5%
Asia Pacific	-	-	-	-	-	-	-	-	-	-	2	2	5	11	11	14	20	23	29	31	32	40	42	48	55	59	54	61	67	**76**	13.3%	8.8%	6.6%
Total World	**146**	**164**	**157**	**160**	**177**	**181**	**180**	**207**	**198**	**189**	**175**	**189**	**221**	**274**	**300**	**339**	**410**	**532**	**701**	**765**	**883**	**875**	**858**	**921**	**978**	**1027**	**1021**	**1050**	**1122**	**1143**	**1.8%**	**4.8%**	**100.0%**
of which: OECD	28	33	37	44	50	52	38	50	55	58	65	71	87	115	139	160	203	274	390	463	560	591	569	579	617	641	657	683	692	**681**	-1.7%	5.9%	59.6%
Non-OECD	117	131	119	116	127	129	143	157	143	131	110	118	134	159	161	179	207	258	311	302	323	283	290	342	361	386	363	367	430	**462**	7.5%	3.3%	40.4%
European Union	-	-	^	^	^	^	1	1	1	1	1	1	3	5	7	8	14	16	25	30	36	41	47	51	52	57	53	56	57	**55**	-3.8%	8.6%	4.8%

Biodiesel

Canada & Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	1	1	1	2	2	2	2	2	4	5	6	7	6	**7**	22.0%	15.7%	1.0%
US	-	-	-	-	-	-	-	-	-	-	-	^	1	1	2	5	14	27	38	29	19	54	55	76	71	70	87	89	104	**96**	-7.2%	10.6%	13.8%
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	1	6	17	24	35	39	40	43	50	58	56	63	79	**87**	10.3%	16.5%	12.4%
Other S. & Cent. America	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	^	1	4	12	22	37	48	49	43	53	40	54	57	52	**47**	-9.8%	15.8%	6.8%
Europe	^	^	^	^	2	4	5	6	6	7	12	15	19	23	34	48	69	97	120	149	168	160	171	184	209	207	204	232	246	**240**	-2.4%	7.4%	34.3%
CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	1	1	1	^	^	^	^	^	^	**^**	-	12.1%	0.1%
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	1	2	2	3	**3**	19.5%	-	0.5%
Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	3	9	17	33	34	37	71	91	111	138	102	130	130	176	**218**	24.0%	18.0%	31.2%
Total World	**^**	**^**	**^**	**^**	**2**	**4**	**5**	**6**	**6**	**7**	**12**	**16**	**20**	**24**	**36**	**57**	**94**	**151**	**222**	**260**	**300**	**375**	**409**	**460**	**526**	**483**	**539**	**581**	**665**	**699**	**5.1%**	**11.6%**	**100.0%**
of which: OECD	^	^	^	^	2	4	5	6	6	7	12	15	19	23	36	54	85	127	162	183	195	220	234	267	291	288	304	333	359	**347**	-3.4%	8.3%	49.6%
Non-OECD	-	-	-	-	-	-	-	-	-	-	^	^	^	^	1	3	9	25	61	77	105	155	175	193	236	195	235	248	306	**352**	15.0%	17.6%	50.4%
European Union	^	^	^	^	2	4	5	6	6	7	12	15	19	22	34	48	69	96	119	148	168	159	169	183	209	205	202	229	242	**236**	-2.6%	7.3%	33.7%

* Includes biogasoline (such as ethanol) and biodiesel. Volumes have been adjusted for energy content.

^ Less than 0.5.

♦ Less than 0.05%.

Notes: Annual changes and shares of total are calculated using thousand barrels a day oil equivalent figures.

Renewable energy - Biofuels production*

Contents

Contents

Petajoules	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	-	-	-	-	-	-	-	-	-	2.2	4.8	5.1	5.2	5.2	5.4	6.3	7.2	21.0	22.7	31.9	36.2	42.1	43.9	42.4	46.9	48.8	52.4	56.9	55.9	**63.9**	14.4%	9.4%	1.6%
Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.3	0.4	0.3	0.3	0.2	0.5	0.5	0.5	**0.5**	-	-	♦
US	63.6	73.7	83.8	98.2	109.7	115.5	82.8	109.6	119.5	124.6	138.0	151.2	183.4	240.4	293.1	343.5	446.8	615.8	876.5	994.8	1174.1	1305.6	1248.0	1300.3	1377.1	1417.2	1506.7	1554.6	1600.4	**1557.1**	-2.7%	6.2%	37.9%
Total North America	**63.6**	**73.7**	**83.8**	**98.2**	**109.7**	**115.5**	**82.8**	**109.6**	**119.5**	**126.9**	**142.9**	**156.3**	**188.6**	**245.6**	**298.5**	**349.8**	**454.0**	**636.9**	**899.2**	**1026.7**	**1210.6**	**1348.1**	**1292.3**	**1343.0**	**1424.2**	**1466.1**	**1559.5**	**1612.1**	**1656.8**	**1621.5**	**-2.1%**	**6.3%**	**39.4%**
Argentina	-	-	-	-	-	-	-	-	-	-	0.2	0.4	0.4	0.4	0.4	0.4	1.3	7.2	25.6	43.1	71.6	93.0	95.4	85.8	110.1	84.5	118.0	130.4	114.1	**102.8**	-9.9%	16.1%	2.5%
Brazil	258.9	289.1	264.4	256.1	281.2	286.4	317.7	348.2	317.4	291.7	240.5	257.7	282.9	325.2	329.2	360.5	401.5	520.3	648.4	639.6	706.5	603.0	617.1	716.5	753.7	809.5	760.6	763.7	922.2	**992.2**	7.6%	3.6%	24.1%
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	4.9	5.3	5.6	12.2	18.2	23.1	25.3	26.2	27.2	27.8	27.0	24.8	30.8	**29.4**	-4.6%	18.6%	0.7%
Other S. & Cent. America	3.0	3.0	2.8	2.2	2.1	1.9	1.7	1.6	1.3	1.5	1.4	1.4	1.4	5.3	6.7	6.6	6.1	12.6	15.5	20.5	8.0	8.3	11.5	11.4	14.9	16.8	18.0	22.8	22.6	25.3	**27.1**	7.2%	2.1%	0.7%
Total S. & Cent. America	**261.9**	**292.0**	**267.2**	**258.3**	**283.3**	**288.3**	**319.4**	**349.8**	**318.7**	**293.2**	**242.1**	**259.5**	**288.5**	**332.3**	**336.2**	**367.7**	**420.3**	**548.3**	**700.1**	**702.9**	**804.6**	**730.6**	**749.3**	**843.4**	**907.8**	**939.7**	**928.4**	**941.5**	**1092.5**	**1151.5**	**5.4%**	**4.5%**	**28.0%**
Austria	0.3	0.3	0.3	0.4	0.2	0.5	0.5	0.6	0.6	0.7	0.8	0.8	1.0	1.1	2.1	3.1	4.6	9.3	11.3	15.6	16.4	16.3	16.3	15.7	13.8	16.0	17.6	16.4	16.2	**15.9**	-1.7%	3.7%	0.4%
Belgium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	15.3	17.7	18.7	18.4	24.1	16.2	15.6	18.7	17.8	**19.2**	7.9%	-	0.5%
Finland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	3.5	9.7	12.6	8.7	11.0	13.8	15.4	18.1	4.6	13.0	11.8	**12.3**	4.9%	12.8%	0.3%
France	-	-	0.1	1.1	3.4	6.7	9.6	11.5	10.8	11.3	13.6	13.6	14.5	15.9	16.7	27.0	28.3	47.2	87.0	97.4	94.9	94.5	109.1	106.2	114.8	117.7	110.4	116.8	130.1	**113.0**	-13.1%	4.1%	2.7%
Germany	-	-	0.2	0.2	1.0	1.3	2.0	3.3	3.7	4.8	9.3	13.0	20.5	24.9	38.1	58.2	95.8	118.9	105.8	105.9	131.2	128.9	120.8	128.7	144.9	133.6	135.1	137.9	142.6	**143.4**	0.6%	3.0%	3.5%
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.6	7.4	8.3	7.5	26.2	31.3	32.6	24.6	13.0	19.1	21.5	21.7	21.9	26.3	28.4	**31.8**	12.2%	0.8%	0.8%
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.1	1.0	3.4	3.3	10.1	16.4	28.2	53.4	62.6	75.2	81.2	64.0	83.3	80.6	**79.2**	-1.8%	37.8%	1.9%
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	0.3	4.9	6.4	4.3	12.1	17.1	18.4	17.3	27.3	29.2	31.4	34.0	38.7	38.6	38.1	**40.2**	5.5%	12.1%	1.0%
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	2.9	6.8	6.2	9.5	11.9	13.8	11.5	11.5	12.6	13.4	12.5	13.2	13.7	**16.5**	20.2%	8.2%	0.4%
Spain	-	-	-	-	-	-	-	-	-	-	3.1	3.1	5.5	7.7	9.4	12.6	11.4	15.8	16.1	38.3	42.8	35.6	25.9	31.4	43.1	47.0	50.3	64.5	77.1	**66.7**	-13.4%	17.0%	1.6%
Sweden	-	-	-	-	-	-	-	-	-	-	-	0.6	1.4	3.8	7.1	1.5	1.7	2.1	5.5	7.7	8.7	8.0	9.5	9.5	9.5	9.2	8.7	7.5	7.9	**10.0**	26.3%	3.6%	0.2%
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.4	0.4	0.3	9.5	16.3	12.0	9.0	11.8	7.3	12.5	21.1	16.3	12.6	22.7	31.1	28.7	**24.4**	-14.9%	9.1%	0.6%
Other Europe	-	-	0.1	0.2	0.3	0.4	0.7	1.1	0.6	1.2	2.5	5.1	5.5	6.0	6.7	10.2	14.8	19.2	37.2	44.2	44.5	48.8	58.2	61.9	62.7	70.6	74.7	78.7	87.0	**89.2**	2.5%	8.9%	2.2%
Total Europe	**0.3**	**0.3**	**0.7**	**1.8**	**5.0**	**8.9**	**12.9**	**16.5**	**15.7**	**18.0**	**29.3**	**36.1**	**48.4**	**61.2**	**91.7**	**125.5**	**184.8**	**252.3**	**326.3**	**401.3**	**457.3**	**449.8**	**487.5**	**529.0**	**585.3**	**591.3**	**576.7**	**645.9**	**679.8**	**661.8**	**-2.6%**	**7.6%**	**16.1%**
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.1**	**0.3**	**0.9**	**1.4**	**1.1**	**1.2**	**1.0**	**1.0**	**0.9**	**0.9**	**0.9**	**0.9**	**0.9**	**-**	**12.1%**	**♦**
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.3**	**0.4**	**0.3**	**-**	**-**	**-**	**0.5**	**0.5**	**0.5**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.7**	**0.7**	**0.7**	**-**	**-**	**♦**
Total Africa	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.3**	**0.4**	**0.4**	**0.3**	**0.3**	**0.3**	**1.3**	**1.8**	**2.1**	**2.3**	**2.4**	**2.5**	**2.0**	**12.0**	**12.5**	**13.6**	**9.7**	**9.9**	**11.1**	**15.0**	**16.3**	**17.0**	**19.6**	20.9	**6.6%**	**25.5%**	**0.5%**
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	1.2	1.1	2.1	4.2	6.7	9.7	7.6	9.2	9.7	10.2	10.8	9.5	8.1	5.3	6.3	**6.7**	6.3%	-0.7%	0.2%
China	-	-	-	-	-	-	-	-	-	-	-	0.2	6.7	18.5	22.7	31.6	46.0	50.6	62.6	68.4	66.5	82.7	88.4	98.2	109.2	93.3	89.5	108.5	104.4	**111.3**	6.6%	5.2%	2.7%
India	-	-	-	-	-	-	-	-	-	-	3.8	3.9	4.2	4.3	0.8	3.5	3.1	4.2	6.5	4.8	7.9	11.5	11.0	10.4	11.4	22.6	27.6	25.2	42.8	**53.5**	24.9%	20.8%	1.3%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	1.9	9.1	18.5	6.3	8.1	59.7	73.2	92.4	130.8	54.4	120.3	112.4	203.0	**275.5**	35.7%	27.1%	6.7%
South Korea	-	-	-	-	-	-	-	-	-	-	-	-	-	^	0.1	0.2	0.5	1.9	3.5	6.5	9.2	13.0	10.4	15.1	15.5	16.2	18.5	18.5	17.9	18.8	**18.2**	-3.2%	11.3%	0.4%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	2.3	3.6	6.2	22.1	27.3	34.9	38.5	52.7	67.4	75.3	81.3	70.4	82.7	88.5	**95.6**	8.1%	14.9%	2.3%
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	5.2	9.6	16.4	18.7	17.3	36.0	48.4	62.7	76.8	81.0	76.3	73.6	78.2	**95.1**	21.6%	16.9%	2.3%
Total Asia Pacific	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3.8**	**4.1**	**10.9**	**24.7**	**25.0**	**39.4**	**63.8**	**87.3**	**139.3**	**144.5**	**155.2**	**248.1**	**298.4**	**356.8**	**430.5**	**360.7**	**410.8**	**425.7**	**542.0**	**655.9**	**21.0%**	**14.6%**	**15.9%**
Total World	**326.0**	**366.3**	**352.0**	**358.6**	**398.3**	**413.0**	**415.4**	**476.3**	**454.4**	**438.4**	**418.3**	**456.3**	**538.1**	**666.0**	**753.8**	**884.5**	**1125.3**	**1527.4**	**2067.2**	**2288.7**	**2642.1**	**2791.8**	**2839.0**	**3083.8**	**3360.5**	**3374.4**	**3493.3**	**3643.8**	**3992.3**	**4113.1**	**3.0%**	**6.8%**	**100.0%**
of which: OECD	63.9	74.0	84.5	100.0	114.7	124.4	95.7	126.1	135.3	144.9	172.1	192.5	237.4	309.5	392.1	477.2	642.7	895.7	1236.0	1443.9	1686.1	1811.9	1798.2	1888.7	2028.0	2075.9	2152.2	2269.9	2348.7	**2295.0**	-2.3%	6.6%	55.8%
Non-OECD	262.2	292.3	267.5	258.6	283.6	288.6	319.7	350.2	319.1	293.5	246.2	263.8	300.7	356.6	361.7	407.3	482.6	631.7	831.3	844.8	956.0	979.9	1040.9	1195.1	1332.5	1298.4	1341.1	1373.9	1643.6	**1818.1**	10.6%	7.1%	44.2%
European Union	0.3	0.3	0.7	1.8	5.0	8.9	12.9	16.5	15.7	18.0	29.2	36.1	48.4	61.1	91.4	125.0	183.4	251.0	323.2	398.8	456.5	445.3	483.7	524.0	581.3	585.9	569.4	636.0	668.6	**649.8**	-2.8%	7.5%	15.8%

Biofuels production by fuel type

Biogasoline

Canada & Mexico	-	-	-	-	-	-	-	-	-	2.2	4.8	5.1	5.2	5.2	5.2	5.7	5.7	18.0	19.6	28.3	32.7	38.5	39.0	38.5	39.0	38.8	38.6	40.9	43.1	**48.2**	11.9%	8.2%	1.9%
US	63.6	73.7	83.8	98.2	109.7	115.5	82.8	109.6	119.5	124.6	138.0	150.2	182.1	238.6	289.6	332.2	415.5	554.8	792.0	930.6	1131.3	1185.0	1124.5	1130.9	1217.7	1259.8	1311.3	1355.8	1369.0	**1342.2**	-2.0%	5.6%	52.6%
Brazil	258.9	289.1	264.4	256.1	281.2	286.4	317.7	348.2	317.4	291.7	240.5	257.7	282.9	325.2	329.2	360.5	399.3	507.0	610.0	586.7	627.6	515.0	527.6	620.5	641.1	679.8	635.5	622.4	746.1	**797.9**	6.9%	2.0%	31.3%
Other S. & Cent. America	3.0	3.0	2.8	2.2	2.1	1.9	1.7	1.6	1.3	1.5	1.4	1.4	4.9	6.3	6.0	6.1	16.8	19.8	24.7	13.8	14.6	19.4	22.1	30.1	36.7	41.2	47.5	50.1	53.3	**53.9**	1.0%	8.0%	2.1%
Europe	-	-	0.1	0.8	1.0	1.0	1.6	2.3	2.6	2.5	2.5	3.0	6.3	10.9	15.4	18.0	30.3	36.6	56.9	68.4	81.3	91.4	104.9	117.8	117.7	129.9	119.9	127.7	131.2	**126.3**	-3.7%	8.7%	4.9%
CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	^	^	^	^	^	^	**^**	-	-	**♦**
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.4	0.3	-	-	-	-	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	**0.7**	-	-	**♦**
Africa	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	1.3	1.8	2.1	2.3	2.4	2.5	2.0	12.0	12.5	13.6	9.4	9.7	10.8	12.3	12.6	12.1	13.3	**13.4**	0.5%	20.7%	0.5%
Asia Pacific	-	-	-	-	-	-	-	-	-	-	3.8	3.9	10.7	24.5	24.4	32.4	44.7	50.4	64.4	68.4	71.9	90.1	94.1	108.1	121.8	132.1	120.0	136.3	149.8	**169.6**	13.3%	8.8%	6.6%
Total World	**325.8**	**366.0**	**351.4**	**357.6**	**394.2**	**405.1**	**404.1**	**462.1**	**441.3**	**422.8**	**391.3**	**421.5**	**493.7**	**613.0**	**672.3**	**757.1**	**914.7**	**1189.2**	**1569.5**	**1708.6**	**1972.5**	**1953.6**	**1922.2**	**2056.2**	**2185.4**	**2294.7**	**2286.2**	**2345.9**	**2506.5**	**2552.2**	**1.8%**	**4.8%**	**100.0%**
of which: OECD	63.6	73.7	83.9	99.0	110.7	116.5	84.4	111.9	122.2	129.3	145.4	158.2	193.9	257.3	311.7	357.0	453.4	612.6	873.9	1034.8	1250.7	1320.5	1273.4	1292.4	1379.1	1431.8	1472.3	1526.1	1546.4	**1520.3**	-1.7%	5.9%	59.6%
Non-OECD	262.2	292.3	267.5	258.6	283.6	288.6	319.7	350.2	319.1	293.5	246.0	263.3	299.7	355.6	360.5	400.1	461.4	576.6	695.6	673.8	721.8	633.1	648.9	763.9	806.4	862.9	813.8	819.8	960.1	**1031.9**	7.5%	3.3%	40.4%
European Union	-	-	0.1	0.8	1.0	1.0	1.6	2.3	2.6	2.5	2.5	3.0	6.3	10.9	15.4	18.0	30.3	36.6	56.6	68.1	81.3	91.2	104.6	115.0	115.5	127.6	117.7	124.8	128.4	**123.5**	-3.8%	8.5%	4.8%

Biodiesel

Canada & Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.6	1.5	3.0	3.1	3.6	3.7	3.9	5.3	4.3	8.1	10.2	14.3	16.6	13.3	**16.2**	22.0%	15.6%	1.0%
US	-	-	-	-	-	-	-	-	-	-	-	1.1	1.3	1.8	3.5	11.3	31.2	61.0	84.5	64.3	42.8	120.6	123.4	169.4	159.4	157.4	195.3	198.8	231.4	**214.9**	-7.2%	10.6%	13.8%
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	2.3	13.3	38.4	52.9	78.9	88.0	89.5	96.0	112.6	129.6	125.1	141.3	176.1	**194.2**	10.3%	16.4%	12.4%
Other S. & Cent. America	-	-	-	-	-	-	-	-	-	-	0.2	0.4	0.8	0.8	1.0	1.0	2.0	8.2	27.1	49.5	83.4	108.2	110.1	96.8	117.4	89.0	120.3	127.7	116.9	**105.4**	-9.8%	15.8%	6.8%
Europe	0.3	0.3	0.6	1.0	4.0	7.9	11.3	14.3	13.1	15.6	26.8	33.2	42.1	50.3	76.3	107.5	154.5	215.6	269.4	332.9	376.0	358.4	382.7	411.2	467.6	461.3	456.7	518.3	548.6	**535.5**	-2.4%	7.4%	34.3%
CIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.9	1.4	1.1	1.2	1.0	1.0	0.9	0.9	0.9	0.9	**0.9**	-	12.0%	0.1%
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.2	0.3	2.6	3.7	4.9	6.3	**7.5**	19.5%	-	0.5%
Asia Pacific	-	-	-	-	-	-	-	-	-	-	0.2	0.2	0.3	0.6	7.0	19.2	36.9	74.9	76.1	83.3	158.0	204.3	248.6	308.7	228.6	290.8	289.4	392.3	**486.2**	24.0%	18.0%	31.2%
Total World	**0.3**	**0.3**	**0.6**	**1.0**	**4.0**	**7.9**	**11.3**	**14.3**	**13.1**	**15.6**	**27.0**	**34.8**	**44.4**	**53.1**	**81.5**	**127.4**	**210.6**	**338.2**	**497.7**	**580.1**	**669.6**	**838.2**	**916.8**	**1027.5**	**1175.1**	**1079.7**	**1207.1**	**1297.9**	**1485.8**	**1560.9**	**5.1%**	**11.6%**	**100.0%**
of which: OECD	0.3	0.3	0.6	1.0	4.0	7.9	11.3	14.3	13.1	15.6	26.8	34.3	43.5	52.1	80.3	120.2	189.4	283.1	362.1	409.1	435.4	491.4	524.8	596.3	648.9	644.1	679.9	743.8	802.3	**774.7**	-3.4%	8.3%	49.6%
Non-OECD	-	-	-	-	-	-	-	-	-	-	0.2	0.6	1.0	1.0	1.2	7.2	21.2	55.1	135.6	171.0	234.2	346.8	392.0	431.2	526.1	435.6	527.2	554.1	683.5	**786.3**	15.0%	17.6%	50.4%
European Union	0.3	0.3	0.6	1.0	4.0	7.9	11.3	14.2	13.0	15.5	26.7	33.1	42.1	50.2	76.0	107.1	153.1	214.4	266.6	330.7	375.2	354.2	379.0	409.0	465.8	458.3	451.8	511.2	540.2	**526.3**	-2.6%	7.3%	33.7%

* Includes biogasoline (such as ethanol) and biodiesel. Volumes have been adjusted for energy content.

^ Less than 0.05.

♦ Less than 0.05%.

Notes: Annual changes and shares of total are calculated using petajoules figures.

Renewable energy - Biofuels consumption*

Thousand barrels of oil equivalent per day	1990	1991	1992	1993	1994	1995
Canada	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
US	28	33	37	44	49	53
Total North America	**28**	**33**	**37**	**44**	**49**	**53**
Argentina	-	-	-	-	-	-
Brazil	110	114	112	117	125	129
Colombia	-	-	-	-	-	-
Other S. & Cent. America	27	28	22	18	17	18
Total S. & Cent. America	**137**	**142**	**134**	**134**	**142**	**147**
Austria	^	^	^	^	^	^
Belgium	-	-	-	-	-	-
Finland	-	-	-	-	-	-
France	-	-	^	1	2	3
Germany	-	-	^	^	^	1
Italy	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-
Poland	-	-	-	-	-	-
Portugal	-	-	-	-	-	-
Spain	-	-	-	-	-	-
Sweden	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-
Other Europe	-	-	^	^	^	^
Total Europe	**^**	**^**	**^**	**1**	**3**	**4**
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**
Australia	-	-	-	-	-	-
China	-	-	-	-	-	-
India	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-
South Korea	-	-	-	-	-	-
Thailand	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-
Total Asia Pacific	**-**	**-**	**-**	**-**	**-**	**-**
Total World	**166**	**175**	**171**	**179**	**194**	**204**
of which: OECD	29	33	38	45	52	57
Non-OECD	137	142	134	134	142	147
European Union	^	^	^	1	3	4

Biofuels consumption by fuel type

Biogasoline

US	28	33	37	44	49	53
Canada & Mexico	-	-	-	-	-	-
Brazil	110	114	112	117	125	129
Other S. & Cent. America	27	28	22	18	17	18
Europe	-	-	^	^	^	^
CIS	-	-	-	-	-	-
Middle East	-	-	-	-	-	-
Africa	-	-	-	-	-	-
Asia Pacific	-	-	-	-	-	-
Total World	166	175	171	179	192	200
of which: OECD	28	33	38	44	50	53
Non-OECD	137	142	134	134	142	147
European Union	-	-	^	^	^	^

Biodiesel						
US	-	-	-	-	-	-
Canada & Mexico	-	-	-	-	-	-
Brazil	-	-	-	-	-	-
Other S. & Cent. America	-	-	-	-	-	-
Europe	^	^	^	^	2	3
CIS	-	-	-	-	-	-
Middle East	-	-	-	-	-	-
Africa	-	-	-	-	-	-
Asia Pacific	-	-	-	-	-	-
Total World	^	^	^	^	2	3
of which: OECD	^	^	^	^	2	3
Non-OECD	-	-	-	-	-	-
European Union	^	^	^	^	2	3

* Includes biogasoline (such as ethanol) and biodiesel. Volumes have been adjusted for energy content.
^ Less than 0.5.
♦ Less than 0.05%.
Notes: Annual changes and shares of total are calculated using thousand barrels a day oil equivalent figures.

Contents

1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
-	-	-	-	-	-	-	-	-	-	8
-	-	-	-	-	-	1	1	1	2	2
38	48	53	55	63	67	80	108	136	160	223
38	**48**	**53**	**55**	**63**	**67**	**81**	**110**	**138**	**161**	**233**
-	-	-	-	-	-	-	-	-	-	-
134	130	127	127	109	103	117	111	123	134	125
-	-	-	-	-	-	-	-	-	^	^
17	18	18	18	18	17	16	17	16	15	12
151	**148**	**146**	**145**	**127**	**120**	**133**	**128**	**139**	**149**	**137**
^	^	^	^	^	^	^	^	^	2	5
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	^	^	^	-	^
4	6	5	5	6	6	6	6	6	11	13
1	1	2	2	4	6	9	13	17	32	52
-	-	-	-	-	-	-	-	4	3	4
-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	1	^	1	2
-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	1	1	3	4	3	5	3
-	-	-	-	-	-	-	-	-	3	3
-	-	-	-	-	-	^	^	^	1	3
^	1	1	1	1	1	1	1	1	^	3
6	**8**	**7**	**8**	**13**	**15**	**20**	**25**	**33**	**58**	**91**
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
-	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**^**
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
-	-	-	-	-	-	-	-	-	^	2
-	-	-	-	-	^	1	3	9	13	17
-	-	-	-	^	1	1	1	1	1	1
-	-	-	-	-	-	-	-	-	-	^
-	-	-	-	-	-	-	-	^	^	1
-	-	-	-	-	-	-	-	^	1	1
-	-	-	-	-	-	-	-	-	^	^
-	**-**	**-**	**-**	**^**	**1**	**1**	**3**	**10**	**15**	**22**
195	**204**	**206**	**208**	**203**	**203**	**236**	**266**	**320**	**384**	**483**
43	56	60	63	76	82	101	135	171	220	327
151	148	146	145	127	121	134	131	149	164	156
6	8	7	8	13	15	20	25	33	58	90
38	48	53	55	63	66	79	108	135	155	209
-	-	-	-	-	-	1	1	1	2	9
134	130	127	127	109	103	117	111	123	134	124
17	18	18	18	18	17	16	17	16	15	11
1	1	1	1	1	1	3	4	4	12	18
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	^	^	^	^	^
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	^	1	1	3	10	13	17
190	197	200	201	191	188	217	244	289	330	387
38	49	54	56	64	67	83	113	140	168	238
151	148	146	145	127	121	134	131	149	162	150
1	1	1	1	1	1	3	4	4	12	18

-	-	-	-	-	1	1	1	1	5	15
-	-	-	-	-	-	-	-	-	-	^
-	-	-	-	-	-	-	-	-	^	1
-	-	-	-	-	-	-	-	-	-	1
5	7	6	7	12	14	17	21	29	46	73
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	^	^	^	^	2	5
5	7	6	7	12	14	18	22	31	54	95
5	7	6	7	12	14	18	22	31	52	89
-	-	-	-	-	^	^	^	^	2	6
5	7	6	7	12	14	17	21	29	46	73

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
10	14	15	16	25	29	33	34	34	34	35	37
2	2	2	2	2	2	2	3	3	4	4	4
282	385	438	504	541	539	583	591	615	661	662	655
294	**400**	**456**	**522**	**567**	**570**	**618**	**629**	**651**	**699**	**701**	**696**
-	-	-	10	14	17	19	23	25	26	30	29
173	230	253	269	246	232	273	301	357	324	341	395
^	^	^	^	1	1	1	1	1	1	1	1
7	8	9	11	12	14	15	16	17	17	18	18
180	**238**	**262**	**290**	**272**	**264**	**308**	**340**	**399**	**368**	**389**	**443**
6	8	10	10	10	10	8	10	12	10	9	9
-	-	2	7	7	7	6	8	5	8	9	9
^	1	2	2	4	4	4	8	8	3	7	6
26	42	45	44	44	48	49	53	53	53	54	53
59	51	51	52	54	57	51	54	50	50	51	54
3	13	21	26	25	28	24	20	25	25	25	26
6	5	7	4	6	6	6	7	6	5	8	12
2	8	12	12	13	14	14	13	12	8	11	17
3	3	4	6	6	5	5	5	7	5	5	5
3	4	6	27	32	39	17	18	19	21	25	32
4	6	6	9	11	12	12	16	19	25	28	27
7	15	19	22	20	17	20	22	18	18	18	24
8	16	19	23	27	31	38	37	37	43	50	53
126	**173**	**205**	**244**	**258**	**279**	**255**	**272**	**272**	**276**	**300**	**327**
-	**^**	**^**	**1**	**1**	**1**	**^**	**^**	**^**	**^**	**^**	**^**
^	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**
-	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**1**	**1**	**1**	**1**
6	14	20	31	33	29	28	26	24	20	23	26
22	26	29	29	34	39	46	61	36	42	43	50
1	1	^	^	1	1	1	1	2	3	2	2
1	1	3	3	5	10	15	27	13	44	38	55
2	3	5	7	6	7	7	7	8	8	8	13
3	9	12	13	14	18	23	28	31	32	35	38
1	2	4	9	10	12	15	19	23	25	26	26
35	**56**	**74**	**91**	**103**	**116**	**135**	**170**	**138**	**174**	**175**	**209**
635	**868**	**997**	**1148**	**1201**	**1229**	**1317**	**1412**	**1463**	**1518**	**1567**	**1676**
427	588	683	805	864	883	905	934	957	1003	1032	1060
209	280	314	343	337	346	412	477	506	515	535	617
125	171	203	241	255	274	244	266	266	265	284	313
262	368	420	490	491	489	503	512	531	545	552	549
11	15	16	16	22	26	29	32	32	33	33	35
167	214	230	234	208	191	230	251	299	268	277	316
6	6	7	9	10	12	15	17	19	21	23	24
23	37	45	56	58	58	55	55	56	54	57	59
-	-	-	-	-	-	-	-	-	-	-	-
^	^	^	^	^	^	^	^	^	^	^	^
-	^	^	^	^	^	^	^	^	^	^	^
25	37	48	61	66	66	73	77	77	86	95	94
495	677	766	867	857	843	905	945	1015	1007	1037	1077
302	433	502	596	606	604	616	627	646	657	670	673
193	243	264	271	250	240	289	318	369	350	367	404
23	37	45	56	58	58	53	53	54	51	54	56

20	17	18	15	49	50	80	79	83	116	111	106
^	^	1	2	4	5	5	6	4	5	6	6
6	17	23	35	38	40	43	50	58	56	63	79
1	2	3	12	16	20	20	22	23	23	25	24
103	136	160	187	200	220	200	217	217	222	243	268
-	^	^	1	1	1	^	^	^	^	^	^
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	^	1	1	1	1
10	20	26	30	36	49	63	93	61	89	80	115
140	191	231	281	344	386	412	467	448	511	530	599
125	155	181	210	258	280	289	307	311	346	362	386
15	36	50	72	86	106	122	159	137	165	168	213
102	134	158	185	197	216	191	213	212	214	230	257

Contents

	Growth rate per annum		Share
2019	2019	2008-18	2019
38	2.1%	10.5%	2.1%
4	1.4%	8.4%	0.2%
655	-0.1%	5.5%	36.9%
696	**0.1%**	**5.7%**	**39.2%**
30	2.1%	n/a	1.7%
437	10.6%	5.6%	24.6%
1	2.8%	11.5%	♦
19	4.7%	8.8%	1.1%
486	**9.8%**	**6.4%**	**27.4%**
10	1.4%	1.9%	0.5%
9	♦	n/a	0.5%
6	-1.4%	15.8%	0.3%
56	4.5%	2.3%	3.1%
54	0.1%	0.4%	3.0%
15	-42.6%	7.2%	0.8%
14	15.8%	8.0%	0.8%
18	6.7%	7.6%	1.0%
5	-1.4%	7.5%	0.3%
25	-22.1%	23.6%	1.4%
28	3.3%	15.8%	1.6%
31	27.4%	5.0%	1.8%
56	6.1%	12.8%	3.1%
325	**-0.5%**	**6.6%**	**18.3%**
^	**0.5%**	**12.7%**	♦
^	**1.7%**	**-4.0%**	♦
2	**19.1%**	**59.1%**	**0.1%**
25	-2.3%	6.3%	1.4%
44	-10.4%	6.5%	2.5%
2	-0.5%	6.6%	0.1%
111	102.0%	57.1%	6.3%
13	0.7%	14.4%	0.7%
45	16.9%	15.4%	2.5%
26	1.7%	29.1%	1.5%
267	**27.5%**	**14.0%**	**15.0%**
1776	**6.0%**	**6.8%**	**100.0%**
1056	-0.4%	6.1%	59.4%
720	16.8%	8.2%	40.6%
311	-0.7%	6.2%	17.5%
554	0.8%	4.1%	49.4%
36	3.3%	9.0%	3.2%
349	10.5%	4.0%	31.1%
24	3.3%	14.4%	2.2%
64	8.8%	4.7%	5.7%
-	n/a	n/a	-
^	1.7%	-4.0%	♦
^	4.3%	19.2%	♦
94	-0.2%	9.8%	8.4%
1122	4.1%	4.8%	100.0%
682	1.3%	4.5%	60.8%
439	8.8%	5.2%	39.2%
61	9.2%	4.2%	5.4%

101	-4.5%		20.1%	15.4%
5	-5.7%		27.7%	0.8%
87	11.0%		16.9%	13.3%
25	2.9%		29.1%	3.8%
261	-2.6%		7.0%	39.9%
^	0.5%		12.7%	0.1%
-	n/a	n/a		-
1	20.0%	n/a		0.2%
173	50.1%		19.4%	26.4%
655	9.2%		12.1%	100.0%
374	-3.3%		9.6%	57.1%
281	31.9%		19.3%	42.9%
250	-2.8%		6.7%	38.1%

Renewable energy - Biofuels consumption*

Petajoules	1990	1991	1992	1993	1994	1995	1996	1997
Canada	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-
US	63.6	73.7	83.8	97.9	109.7	117.6	84.4	106.8
Total North America	**63.6**	**73.7**	**83.8**	**97.9**	**109.7**	**117.6**	**84.4**	**106.8**
Argentina	-	-	-	-	-	-	-	-
Brazil	245.1	255.6	250.1	260.8	278.1	287.6	299.4	289.3
Colombia	-	-	-	-	-	-	-	-
Other S. & Cent. America	60.9	61.5	49.1	39.4	39.0	41.2	39.1	40.8
Total S. & Cent. America	**306.1**	**317.1**	**299.1**	**300.2**	**317.2**	**328.8**	**338.5**	**330.1**
Austria	0.3	0.3	0.3	0.4	0.3	0.5	0.5	0.5
Belgium	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	0.3	1.4	4.0	6.3	9.5	12.4
Germany	-	-	0.2	0.2	1.0	1.3	2.0	3.3
Italy	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-
Other Europe	-	-	0.1	0.2	0.3	0.7	0.9	1.3
Total Europe	**0.3**	**0.3**	**0.9**	**2.1**	**5.6**	**8.7**	**12.9**	**17.6**
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total Middle East	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total Africa	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Australia	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-
Thailand	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-
Total Asia Pacific	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total World	**369.9**	**391.1**	**383.8**	**400.2**	**432.4**	**455.2**	**435.7**	**454.6**
of which: OECD	63.9	74.0	84.7	100.0	115.2	126.4	97.3	124.5
Non-OECD	306.1	317.1	299.1	300.2	317.2	328.8	338.5	330.1
European Union	0.3	0.3	0.9	2.1	5.6	8.7	12.9	17.6

Biofuels consumption by fuel type

Biogasoline

US	63.6	73.7	83.8	97.9	109.7	117.6	84.4	106.8
Canada & Mexico	-	-	-	-	-	-	-	-
Brazil	245.1	255.6	250.1	260.8	278.1	287.6	299.4	289.3
Other S. & Cent. America	60.9	61.5	49.1	39.4	39.0	41.2	39.1	40.8
Europe	-	-	0.2	1.1	1.1	1.1	1.7	2.4
CIS	-	-	-	-	-	-	-	-
Middle East	-	-	-	-	-	-	-	-
Africa	-	-	-	-	-	-	-	-
Asia Pacific	-	-	-	-	-	-	-	-
Total World	**369.7**	**390.8**	**383.2**	**399.2**	**427.9**	**447.5**	**424.6**	**439.4**
of which: OECD	63.6	73.7	84.0	99.0	110.8	118.7	86.1	109.3
Non-OECD	306.1	317.1	299.1	300.2	317.2	328.8	338.5	330.1
European Union	-	-	0.2	1.1	1.1	1.1	1.7	2.4

Biodiesel								
US	-	-	-	-	-	-	-	-
Canada & Mexico	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-
Other S. & Cent. America	-	-	-	-	-	-	-	-
Europe	0.3	0.3	0.6	1.0	4.5	7.7	11.2	15.2
CIS	-	-	-	-	-	-	-	-
Middle East	-	-	-	-	-	-	-	-
Africa	-	-	-	-	-	-	-	-
Asia Pacific	-	-	-	-	-	-	-	-
Total World	**0.3**	**0.3**	**0.6**	**1.0**	**4.5**	**7.7**	**11.2**	**15.2**
of which: OECD	0.3	0.3	0.6	1.0	4.5	7.7	11.2	15.2
Non-OECD	-	-	-	-	-	-	-	-
European Union	0.3	0.3	0.6	1.0	4.5	7.7	11.2	15.2

* Includes biogasoline (such as ethanol) and biodiesel.
^ Less than 0.05.
♦ Less than 0.05%.
Notes: Annual changes and shares of total are calculated using petajoules.

Contents

1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
-	-	-	-	-	-	-	-	18.3	22.4	30.3
-	-	-	-	3.3	3.3	3.3	3.7	3.8	3.6	3.7
118.1	122.7	140.7	149.4	178.4	242.1	305.6	356.6	498.8	629.9	861.7
118.1	**122.7**	**140.7**	**149.4**	**181.7**	**245.4**	**308.9**	**360.3**	**520.9**	**655.9**	**895.7**
-	-	-	-	-	-	-	-	-	-	-
284.0	284.6	243.7	230.7	260.6	247.7	276.1	298.8	278.6	386.2	515.4
-	-	-	-	-	-	-	^	0.3	0.3	0.5
41.0	39.7	39.6	37.9	36.6	37.2	36.1	34.5	27.0	16.5	17.6
325.0	**324.3**	**283.3**	**268.6**	**297.2**	**284.9**	**312.2**	**333.4**	**305.9**	**403.1**	**533.4**
0.6	0.7	0.7	0.8	0.8	0.9	0.9	3.4	12.2	14.3	17.4
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	^	0.2	0.2	-	^	0.1	3.2
10.7	11.1	13.3	13.4	14.1	12.9	14.1	23.9	29.0	58.5	94.9
3.7	4.8	9.2	12.9	20.3	29.2	39.0	72.1	115.2	130.8	115.1
-	-	-	-	-	-	9.9	7.0	7.8	7.1	28.9
-	-	-	-	-	-	-	-	1.7	13.9	12.1
-	-	-	-	-	1.2	0.6	2.1	3.9	4.2	18.6
-	-	-	-	-	-	-	-	3.0	5.6	5.8
-	-	3.0	3.0	5.9	8.2	7.5	10.8	7.3	6.6	8.5
-	-	-	-	-	-	-	6.4	7.5	8.2	13.8
-	-	-	-	0.1	0.7	0.6	3.0	7.5	14.7	33.5
1.5	1.8	2.5	3.1	2.7	2.6	1.4	0.9	7.1	17.5	35.3
16.4	**18.4**	**28.7**	**33.3**	**44.1**	**55.9**	**74.2**	**129.8**	**202.4**	**281.5**	**387.1**
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.3**
-	**-**	**-**	**-**	**0.6**	**0.6**	**0.7**	**0.7**	**0.4**	**0.3**	**0.4**
-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**
-	-	-	-	-	-	-	0.3	3.4	13.0	31.1
-	-	-	0.2	1.6	5.8	20.0	30.0	37.8	48.9	58.9
-	-	1.0	1.2	1.1	1.2	1.4	1.6	1.8	1.9	2.5
-	-	-	-	-	-	-	-	0.1	1.5	1.4
-	-	-	-	-	-	0.3	0.5	2.2	4.0	7.5
-	-	-	-	-	-	0.1	1.5	2.8	6.1	20.5
-	-	-	-	-	-	-	0.1	0.5	2.9	4.5
-	**-**	**1.0**	**1.4**	**2.7**	**7.0**	**21.8**	**34.0**	**48.7**	**78.3**	**126.4**
459.5	**465.5**	**453.7**	**452.7**	**526.3**	**593.8**	**717.7**	**858.2**	**1078.3**	**1419.2**	**1943.3**
134.5	141.2	169.4	182.7	226.4	301.9	384.0	491.6	729.5	953.1	1316.8
325.0	324.3	284.4	270.0	299.9	291.9	333.7	366.6	348.8	466.0	626.5
16.4	18.4	28.7	33.3	44.1	55.9	74.2	129.8	201.5	279.8	382.9
118.1	122.7	140.7	148.1	176.4	240.4	302.2	345.3	466.3	585.8	823.8
-	-	-	-	3.3	3.3	3.3	3.7	21.2	25.1	33.0
284.0	284.6	243.7	230.7	260.6	247.7	276.1	298.8	276.3	372.9	478.3
41.0	39.7	39.6	37.9	36.6	37.2	36.1	34.6	24.4	13.9	13.8
2.8	2.6	2.6	2.4	5.7	7.9	8.2	26.0	39.4	51.9	83.3
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	0.6	0.6	0.7	0.7	0.4	0.3	0.4
-	-	-	-	-	-	-	-	-	-	^
-	-	1.0	1.2	2.5	6.8	21.3	28.9	37.1	55.9	82.5
445.9	**449.7**	**427.6**	**420.3**	**485.7**	**543.9**	**647.9**	**738.0**	**865.1**	**1105.9**	**1515.2**
120.9	125.4	143.2	150.5	186.0	252.2	314.4	376.0	530.7	674.3	970.0
325.0	324.3	284.4	269.8	299.7	291.7	333.5	362.0	334.4	431.6	545.2
2.8	2.6	2.6	2.4	5.7	7.9	8.2	26.0	39.4	51.9	83.0

-	-	-	1.3	2.0	1.7	3.3	11.3	32.5	44.1	37.8
-	-	-	-	-	-	-	-	0.9	0.9	1.1
-	-	-	-	-	-	-	^	2.3	13.3	37.0
-	-	-	-	-	-	-	-	2.9	2.9	4.2
13.6	15.8	26.1	30.9	38.4	48.0	65.9	103.8	163.0	229.6	303.7
-	-	-	-	-	-	-	-	-	-	0.3
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	0.2	0.2	0.2	0.4	5.1	11.6	22.5	43.9
13.6	**15.8**	**26.1**	**32.4**	**40.6**	**49.8**	**69.7**	**120.2**	**213.3**	**313.3**	**428.2**
13.6	15.8	26.1	32.2	40.4	49.7	69.5	115.6	198.8	278.8	346.8
-	-	-	0.2	0.2	0.2	0.2	4.6	14.5	34.4	81.3
13.6	15.8	26.1	30.9	38.4	48.0	65.9	103.8	162.1	227.9	299.9

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**
34.3	35.3	55.1	64.6	72.7	76.7	74.8	75.8	78.5	82.3	**84.0**
4.0	4.2	3.9	4.5	4.5	7.0	7.4	7.9	8.3	8.3	**8.4**
979.1	1126.4	1207.3	1208.0	1302.4	1320.3	1372.7	1481.2	1479.7	1463.1	**1462.3**
1017.4	**1165.9**	**1266.4**	**1277.1**	**1379.6**	**1404.0**	**1455.0**	**1564.9**	**1566.5**	**1553.7**	**1554.7**
-	21.5	31.7	39.2	43.4	50.8	55.4	58.8	67.6	64.6	**66.0**
564.5	601.7	548.8	519.0	610.1	673.2	798.1	725.0	761.0	882.1	**975.3**
0.7	1.1	1.3	1.3	1.4	1.4	1.5	1.4	1.4	1.4	**1.4**
20.3	24.4	26.7	31.5	34.0	34.9	37.0	38.9	39.1	40.6	**42.5**
585.4	**648.6**	**608.5**	**591.0**	**688.9**	**760.4**	**892.1**	**824.1**	**869.1**	**988.8**	**1085.3**
22.1	21.6	21.7	21.4	18.9	23.4	27.9	23.1	20.2	21.1	**21.4**
5.5	15.0	14.8	14.7	14.5	17.4	10.9	18.3	19.8	19.7	**19.7**
5.4	5.4	7.9	7.9	8.7	18.3	18.3	6.7	14.7	14.0	**13.8**
101.4	99.4	98.1	107.3	109.3	117.8	118.8	119.5	120.5	119.2	**124.6**
114.8	115.3	120.1	127.8	114.5	120.0	112.6	112.8	114.7	119.6	**119.7**
46.5	57.3	56.6	63.2	53.0	45.2	55.8	55.5	56.3	57.6	**33.0**
15.9	9.8	13.8	14.3	13.6	16.0	13.7	11.0	17.1	26.2	**30.3**
26.3	27.1	28.7	31.8	31.0	29.4	27.6	18.6	25.7	38.5	**41.1**
9.4	13.7	12.9	11.7	11.5	11.6	14.7	11.8	10.7	11.8	**11.7**
13.2	60.2	71.7	88.4	38.4	40.5	41.5	46.9	55.0	70.6	**55.1**
12.5	20.3	23.6	27.6	27.1	36.0	43.0	55.7	63.0	59.6	**61.5**
41.6	48.7	45.2	38.2	43.6	49.7	39.9	40.4	39.9	54.6	**69.6**
43.5	50.6	61.4	69.5	85.3	81.7	83.7	97.1	111.5	117.3	**124.5**
458.2	**544.3**	**576.5**	**623.9**	**569.5**	**607.0**	**608.4**	**617.5**	**669.1**	**729.8**	**725.9**
0.9	**1.4**	**1.1**	**1.2**	**1.0**	**1.0**	**0.9**	**0.9**	**0.9**	**1.0**	**1.0**
0.4	**0.4**	**0.5**	**0.5**	**0.4**	**0.4**	**0.4**	**0.4**	**0.3**	**0.2**	**0.2**
0.1	**0.1**	**0.2**	**0.1**	**0.2**	**0.8**	**1.3**	**1.7**	**2.3**	**2.9**	**3.5**
45.7	69.0	72.8	64.8	61.5	58.9	53.5	45.7	51.6	57.1	**55.7**
64.1	64.6	76.2	88.1	102.1	135.4	81.4	94.3	96.9	110.8	**99.3**
0.8	0.4	2.9	2.3	2.7	2.3	4.2	6.9	4.2	4.7	**4.7**
6.8	7.3	11.8	22.0	34.5	60.7	30.1	99.0	84.7	123.3	**249.0**
10.6	14.9	14.1	15.1	15.4	16.6	18.5	18.5	17.9	28.6	**28.8**
27.2	28.0	30.2	39.6	51.5	62.8	69.4	70.8	78.3	85.7	**100.2**
9.6	19.6	21.3	27.3	34.5	42.7	51.5	55.5	57.3	57.7	**58.7**
164.8	**203.9**	**229.3**	**259.1**	**302.2**	**379.4**	**308.6**	**390.7**	**390.9**	**467.8**	**596.4**
2227.1	**2564.7**	**2682.5**	**2753.0**	**2941.7**	**3153.0**	**3266.6**	**3400.2**	**3499.2**	**3744.2**	**3967.0**
1525.3	1798.6	1930.6	1978.4	2022.3	2086.7	2136.6	2246.3	2304.7	2366.6	**2358.3**
701.9	766.1	751.9	774.6	919.4	1066.3	1130.0	1153.9	1194.5	1377.6	**1608.7**
453.7	538.9	570.6	614.4	545.7	593.0	594.0	593.3	634.7	698.2	**693.6**
939.0	1094.0	1096.9	1096.0	1124.3	1143.8	1186.5	1221.4	1232.3	1226.8	**1236.7**
36.4	35.4	50.0	57.6	65.0	71.4	72.4	73.1	74.3	77.7	**80.3**
512.9	522.8	464.2	428.4	513.7	561.6	668.2	599.9	619.4	706.5	**780.3**
14.9	20.5	23.1	27.0	33.5	38.4	42.4	47.0	51.7	52.9	**54.7**
101.3	126.0	130.3	130.7	122.7	122.4	124.3	121.0	126.8	131.3	**142.9**
-	-	-	-	-	-	-	-	-	-	-
0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.2	**0.2**
0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	**0.2**
106.7	137.1	148.1	148.6	162.5	172.4	172.2	192.4	211.3	210.2	**209.9**
1711.6	**1936.2**	**1913.3**	**1888.8**	**2022.3**	**2110.5**	**2266.5**	**2255.4**	**2316.4**	**2405.9**	**2505.1**
1121.6	1330.2	1354.3	1352.3	1375.8	1400.4	1442.3	1471.2	1496.3	1503.9	**1523.8**
590.1	606.0	559.0	536.5	646.5	710.1	824.3	784.2	820.1	902.1	**981.4**
101.0	125.8	129.7	130.1	119.2	118.4	119.9	115.1	120.2	124.5	**136.0**

40.1	32.4	110.4	112.0	178.0	176.5	186.2	259.9	247.4	236.2	**225.6**
2.0	4.1	9.1	11.5	12.2	12.3	9.9	10.5	12.5	12.8	**12.1**
51.5	78.9	84.6	90.6	96.4	111.6	129.9	125.1	141.6	175.6	**195.0**
6.0	26.5	36.6	45.0	45.3	48.7	51.6	52.2	56.4	53.7	**55.3**
356.9	418.4	446.2	493.2	446.8	484.6	484.1	496.4	542.3	598.5	**583.0**
0.9	1.4	1.1	1.2	1.0	1.0	0.9	0.9	0.9	1.0	**1.0**
-	-	-	-	-	-	-	-	-	-	**-**
-	-	-	-	-	0.6	1.1	1.6	2.1	2.8	**3.3**
58.1	66.8	81.3	110.5	139.7	207.0	136.4	198.3	179.6	257.6	**386.6**
515.5	**628.5**	**769.2**	**864.2**	**919.3**	**1042.5**	**1000.1**	**1144.8**	**1182.9**	**1338.3**	**1461.9**
403.7	468.4	576.4	626.2	646.5	686.3	694.3	775.1	808.4	862.8	**834.5**
111.8	160.0	192.9	238.0	272.9	356.2	305.8	369.7	374.4	475.5	**627.3**
352.7	413.1	440.8	484.3	426.5	474.6	474.1	478.2	514.5	573.7	**557.5**

Contents

Growth rate per annum		Share
2019	2008-18	2019
2.1%	10.5%	2.1%
1.4%	8.3%	0.2%
-0.1%	5.4%	36.9%
0.1%	**5.7%**	**39.2%**
2.1%	n/a	1.7%
10.6%	5.5%	24.6%
2.8%	11.4%	♦
4.7%	8.8%	1.1%
9.8%	**6.4%**	**27.4%**
1.4%	1.9%	0.5%
♦	n/a	0.5%
-1.4%	15.8%	0.3%
4.5%	2.3%	3.1%
0.1%	0.4%	3.0%
-42.6%	7.2%	0.8%
15.8%	8.0%	0.8%
6.7%	7.6%	1.0%
-1.4%	7.4%	0.3%
-22.1%	23.5%	1.4%
3.3%	15.8%	1.6%
27.4%	5.0%	1.8%
6.1%	12.8%	3.1%
-0.5%	**6.5%**	**18.3%**
0.5%	**12.6%**	♦
1.7%	**-4.0%**	♦
19.1%	**59.1%**	**0.1%**
-2.3%	6.2%	1.4%
-10.4%	6.5%	2.5%
-0.5%	6.5%	0.1%
102.0%	57.0%	6.3%
0.7%	14.4%	0.7%
16.9%	15.4%	2.5%
1.7%	29.1%	1.5%
27.5%	**14.0%**	**15.0%**
6.0%	**6.8%**	**100.0%**
-0.4%	6.0%	59.4%
16.8%	8.2%	40.6%
-0.7%	6.2%	17.5%
0.8%	4.1%	49.4%
3.3%	9.0%	3.2%
10.5%	4.0%	31.1%
3.3%	14.4%	2.2%
8.8%	4.7%	5.7%
n/a	n/a	♦
1.7%	-4.0%	♦
4.3%	19.1%	♦
-0.2%	9.8%	8.4%
4.1%	4.7%	100.0%
1.3%	4.5%	60.8%
8.8%	5.2%	39.2%
9.2%	4.1%	5.4%

-4.5%	20.1%	15.4%
-5.7%	27.7%	0.8%
11.0%	16.8%	13.3%
2.9%	29.1%	3.8%
-2.6%	7.0%	39.9%
0.5%	12.6%	0.1%
n/a	n/a	♦
20.0%	n/a	0.2%
50.1%	19.3%	26.4%
9.2%	12.1%	100.0%
-3.3%	9.5%	57.1%
31.9%	19.3%	42.9%
-2.8%	6.7%	38.1%

Electricity Generation*

Contents

Contents

Terawatt-hours	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Canada	459.0	468.6	496.4	506.0	498.1	480.6	507.0	518.6	530.2	553.1	557.9	571.6	572.3	562.0	577.8	603.8	587.8	599.8	588.3	598.5	624.2	612.0
Mexico	96.2	99.6	106.2	112.2	120.0	117.6	128.6	132.3	134.6	146.1	150.4	156.6	166.7	181.1	190.0	203.6	210.2	215.7	224.9	235.4	248.0	256.2
US	2657.2	2676.1	2772.2	2914.4	3155.4	3232.8	3270.7	3284.4	3404.7	3458.5	3567.3	3663.4	3716.4	3855.8	3936.1	4052.3	3984.5	4111.8	4138.0	4231.7	4322.8	4331.0
Total North America	**3212.4**	**3244.3**	**3374.8**	**3532.7**	**3773.6**	**3831.0**	**3906.3**	**3935.3**	**4069.6**	**4157.7**	**4275.6**	**4391.6**	**4455.5**	**4598.9**	**4703.8**	**4859.7**	**4782.4**	**4927.3**	**4951.2**	**5065.6**	**5195.0**	**5199.2**
Argentina	45.3	49.0	52.1	52.5	50.9	51.0	53.9	56.1	61.9	65.6	67.2	69.8	72.5	74.2	80.7	89.0	90.1	84.6	92.1	100.3	105.8	113.4
Brazil	193.7	202.1	203.3	215.0	221.7	222.8	234.4	241.8	252.0	260.0	275.6	291.3	308.0	321.7	334.7	348.9	328.5	345.7	364.3	387.5	403.0	419.4
Chile	14.0	14.8	15.6	16.9	17.8	18.4	20.0	22.4	24.0	25.3	28.0	30.8	33.3	35.5	38.4	41.3	43.9	45.5	48.8	49.7	51.9	54.8
Colombia	29.4	31.7	33.7	35.5	37.0	38.2	40.1	36.6	41.7	45.0	47.5	48.4	49.9	50.3	47.8	46.8	48.2	50.3	52.1	53.8	55.9	59.1
Ecuador	4.6	5.0	5.4	5.6	5.8	6.3	7.0	7.2	7.4	8.1	8.4	9.7	10.4	10.9	10.3	10.6	11.0	11.9	11.5	12.6	13.4	15.1
Peru	12.1	12.9	14.0	13.6	13.7	13.8	14.5	13.1	14.8	15.9	16.9	17.3	18.0	18.6	19.0	19.9	20.8	22.0	22.9	24.3	25.5	27.4
Trinidad & Tobago	3.0	3.3	3.5	3.5	3.4	3.6	3.7	4.0	3.8	4.1	4.3	4.5	5.0	5.2	5.2	5.5	5.6	5.6	6.4	6.4	7.1	7.2
Venezuela	47.3	50.1	54.1	58.2	57.6	59.3	63.3	67.4	69.4	71.2	73.4	75.6	78.1	80.9	80.6	85.2	90.1	89.4	90.1	96.9	104.4	110.6
Central America	11.2	11.6	12.6	13.0	13.9	14.5	15.3	17.3	18.2	18.8	19.8	20.1	21.1	23.2	24.7	26.6	28.5	30.1	32.1	34.0	35.8	38.0
Other Caribbean	35.4	37.6	39.7	40.5	41.1	43.4	42.3	45.1	45.4	48.6	51.2	54.0	57.3	61.5	65.0	67.4	68.2	71.3	73.2	71.2	73.8	75.9
Other South America	11.8	20.8	27.0	29.1	33.4	37.1	39.7	39.7	43.4	48.5	54.0	57.4	64.2	67.0	65.8	67.5	61.3	64.9	67.5	65.3	66.7	67.6
Total S. & Cent. America	**407.8**	**439.0**	**461.1**	**483.4**	**496.3**	**508.6**	**534.1**	**550.7**	**582.0**	**611.2**	**646.4**	**678.8**	**717.6**	**748.9**	**772.4**	**808.7**	**796.4**	**821.3**	**861.1**	**901.9**	**943.2**	**988.4**
Austria	44.5	44.7	50.5	49.0	50.2	50.4	51.5	51.2	52.7	53.3	56.6	54.8	56.9	57.4	60.4	61.8	62.3	62.5	60.6	64.9	66.7	64.4
Belgium	57.3	58.7	63.4	65.3	67.5	70.9	71.9	72.2	70.8	72.2	74.4	76.1	78.8	83.2	84.5	84.0	79.8	82.1	84.6	85.6	87.0	85.6
Bulgaria	41.6	41.8	43.5	45.0	44.3	42.1	40.9	35.6	38.0	38.1	41.8	42.7	42.8	41.7	38.2	40.9	44.0	42.7	42.6	41.6	44.4	45.8
Croatia	n/a	n/a	n/a	n/a	n/a	8.7	8.9	8.9	9.6	8.8	9.3	11.2	10.2	11.5	13.0	11.3	12.8	12.8	13.3	14.0	13.2	13.0
Cyprus	1.3	1.4	1.5	1.6	1.8	2.0	2.1	2.4	2.6	2.7	2.5	2.6	2.7	3.0	3.1	3.4	3.6	3.8	4.1	4.2	4.4	4.7
Czech Republic	58.1	60.6	62.2	64.3	65.1	62.6	60.5	59.3	58.9	58.7	60.8	64.3	64.6	64.9	64.7	73.5	74.6	76.3	83.2	84.3	82.6	84.4
Denmark	29.1	30.8	29.5	28.1	22.9	26.0	36.5	30.7	34.0	40.2	36.7	53.6	44.3	41.1	38.9	36.0	37.7	39.3	46.2	40.4	36.2	45.6
Estonia	17.8	18.0	17.9	17.6	17.6	17.2	14.6	11.8	9.1	9.2	8.7	9.1	9.2	8.5	8.3	8.5	8.5	8.5	10.2	10.3	10.2	9.7
Finland	49.4	48.9	53.0	53.5	53.4	54.3	58.0	57.6	61.0	65.5	64.4	69.1	69.1	70.4	69.4	70.5	74.8	75.4	84.7	86.3	70.8	82.7
France	343.5	362.2	377.9	391.6	406.1	420.8	455.6	463.6	472.7	476.9	494.3	513.4	504.8	511.3	525.8	540.0	549.5	559.1	566.8	574.1	576.1	574.9
Germany	522.5	523.6	532.4	549.5	559.9	549.9	540.2	538.2	527.1	528.5	536.8	552.7	552.3	557.2	556.3	576.6	586.4	586.7	608.8	617.5	622.6	639.6
Greece	27.7	28.2	30.3	33.4	34.5	35.0	35.8	37.4	38.4	40.6	41.6	42.6	43.5	46.3	49.6	53.8	53.7	54.6	58.5	59.3	60.0	60.8
Hungary	26.8	28.0	29.7	29.2	29.6	28.4	30.0	31.7	32.9	33.5	34.0	35.1	35.4	37.2	37.8	35.2	36.4	36.2	34.1	33.7	35.8	35.9
Iceland	3.8	4.1	4.2	4.4	4.5	4.4	4.4	4.5	4.7	4.8	5.0	5.1	5.6	6.3	7.2	7.7	8.0	8.4	8.5	8.6	8.7	9.9
Ireland	12.1	12.7	13.1	13.2	13.8	14.5	15.1	16.0	16.4	17.1	17.8	19.2	20.0	21.2	22.0	24.0	25.0	25.2	25.2	25.6	26.0	27.5
Italy	185.7	192.3	201.4	203.6	210.8	216.9	222.0	226.2	222.8	231.8	241.5	244.5	251.5	259.8	265.7	276.6	279.0	284.4	293.9	303.3	303.7	314.1
Latvia	5.0	5.2	5.9	5.1	5.8	6.6	5.6	3.8	3.9	4.4	4.0	3.1	4.5	5.8	4.1	4.1	4.3	4.0	4.0	4.7	4.9	4.9
Lithuania	21.0	22.4	22.8	26.0	29.2	28.4	29.4	18.7	14.1	10.0	13.8	16.8	14.9	17.6	13.5	11.4	14.7	17.7	19.5	19.3	14.8	12.5
Luxembourg	0.9	1.0	1.0	1.3	1.4	1.4	1.4	1.2	1.1	1.1	1.2	1.3	1.3	1.3	1.0	1.2	1.6	3.7	3.6	4.1	4.1	4.3
Netherlands	63.0	67.2	68.4	69.7	73.1	71.9	74.3	77.2	77.0	79.7	81.1	85.2	86.7	92.0	87.6	90.2	94.1	95.1	98.1	102.1	100.8	98.8
North Macedonia	n/a	n/a	n/a	n/a	n/a	5.8	5.8	6.1	5.2	5.9	6.1	6.6	6.7	7.0	6.9	6.8	6.4	6.1	6.7	6.7	6.9	7.0
Norway	103.3	97.3	104.3	110.0	119.2	121.8	111.0	117.5	120.1	113.5	123.2	104.8	111.6	117.0	122.7	143.0	121.9	130.6	107.3	110.6	138.1	121.4
Poland	137.7	140.3	145.8	144.3	145.5	136.3	134.7	132.8	133.9	135.3	139.0	143.2	142.8	142.8	142.1	145.2	145.6	144.1	151.6	154.2	156.9	161.7
Portugal	18.9	20.4	20.1	22.5	25.8	28.5	29.9	30.1	31.2	31.4	33.3	34.5	34.2	39.0	43.3	43.8	46.5	46.1	46.9	45.1	46.6	49.0
Romania	71.8	75.5	74.1	75.3	75.9	64.3	56.8	54.2	55.5	55.1	59.3	61.4	57.1	53.5	50.7	51.9	53.9	54.7	55.1	56.5	59.4	62.7
Slovakia	22.5	24.2	23.6	23.0	24.1	26.1	24.7	23.6	24.4	25.7	26.8	25.8	25.3	26.0	28.4	31.2	32.0	32.4	31.1	30.5	31.3	31.2
Slovenia	n/a	n/a	n/a	n/a	n/a	12.4	12.7	12.3	11.9	12.9	12.9	12.7	13.2	13.7	13.3	13.6	14.5	14.6	13.8	15.3	15.1	15.1
Spain	126.6	128.5	132.7	138.8	147.1	151.9	155.8	158.7	156.8	161.8	167.1	174.5	190.4	195.2	208.5	224.5	236.0	245.0	260.7	280.0	294.1	299.5
Sweden	137.1	138.7	146.6	146.2	143.1	146.5	147.4	146.4	145.8	143.0	148.4	140.6	149.4	159.0	155.2	145.6	161.6	146.7	135.4	152.5	159.1	143.3
Switzerland	56.3	57.4	59.7	60.5	54.6	56.0	58.1	59.5	61.6	66.1	62.9	57.3	62.9	63.3	68.6	67.3	72.2	66.9	67.2	65.4	59.5	63.9
Turkey	34.2	39.7	44.4	48.0	52.0	57.5	60.2	67.3	73.8	78.3	86.2	94.9	103.3	111.0	116.4	124.9	122.7	129.4	140.6	150.7	162.0	176.3
Ukraine	272.0	272.7	281.5	297.2	295.3	298.8	278.7	252.5	229.9	202.9	194.0	183.0	178.0	172.8	172.1	171.4	173.0	173.7	180.4	182.2	186.1	193.4
United Kingdom	298.1	301.1	302.1	308.8	314.6	319.7	322.9	321.0	323.1	326.6	337.4	350.9	350.7	362.7	368.2	377.1	384.8	387.2	398.2	393.9	398.4	397.3
Other Europe	93.8	99.1	101.3	103.9	104.5	74.5	72.6	59.7	53.8	56.8	56.8	61.5	64.5	65.6	61.9	63.4	63.1	62.6	66.0	70.5	73.7	75.0
Total Europe	**2883.7**	**2946.5**	**3044.8**	**3130.4**	**3193.1**	**3212.8**	**3230.1**	**3190.4**	**3174.7**	**3192.6**	**3279.6**	**3353.9**	**3389.2**	**3466.4**	**3509.4**	**3620.3**	**3685.1**	**3718.6**	**3811.6**	**3898.1**	**3959.9**	**4015.8**
Azerbaijan	20.7	21.5	22.9	23.6	23.3	23.2	23.4	19.8	19.1	17.6	17.0	17.1	16.8	18.0	18.2	18.7	19.0	18.7	21.3	21.7	22.9	24.5
Belarus	33.2	36.3	37.5	38.2	38.5	39.5	38.7	37.6	33.4	31.4	24.9	23.7	26.1	23.5	26.5	26.1	25.1	26.5	26.6	31.2	31.0	31.8
Kazakhstan	81.3	85.1	88.5	88.4	89.7	87.4	86.0	83.2	77.9	66.8	66.7	58.7	52.0	49.8	47.3	51.6	55.4	58.3	63.9	66.9	67.9	71.7
Russian Federation	962.0	1001.4	1047.3	1065.5	1076.5	1082.2	1068.2	1008.5	956.6	875.9	860.0	847.2	834.1	827.2	846.2	877.8	891.3	891.3	916.3	931.9	954.1	992.1
Turkmenistan	11.0	12.4	13.3	12.9	14.5	14.6	15.0	13.2	12.6	10.5	9.9	10.1	9.5	9.4	8.9	9.9	10.6	10.7	10.9	12.0	12.8	13.7
Uzbekistan	47.9	52.2	54.8	50.6	55.9	56.3	54.2	50.9	49.1	47.8	47.5	45.4	46.1	45.9	45.4	46.9	48.0	49.3	48.7	49.7	47.6	49.4
Other CIS	57.7	57.0	57.7	65.2	59.3	60.5	57.9	52.6	47.1	45.2	42.2	44.3	40.8	39.5	41.7	40.7	39.8	38.5	42.0	43.5	44.3	43.5
Total CIS	**1213.7**	**1265.8**	**1321.8**	**1344.3**	**1357.6**	**1363.7**	**1343.3**	**1265.6**	**1195.8**	**1095.2**	**1068.3**	**1046.6**	**1025.3**	**1013.3**	**1034.1**	**1071.7**	**1089.1**	**1093.3**	**1129.7**	**1157.0**	**1180.6**	**1226.6**
Iran	38.9	42.2	45.1	47.0	51.4	57.7	62.8	67.2	74.7	81.0	84.4	89.7	97.0	102.4	110.1	119.3	127.6	138.2	151.6	162.8	177.1	193.4
Iraq	21.0	22.3	22.5	23.5	23.9	28.4	13.4	21.9	27.1	26.7	26.5	26.0	26.7	26.7	24.7	27.2	31.7	35.4	26.6	30.7	28.3	30.6
Israel	15.4	16.0	17.7	19.4	20.5	20.9	21.5	24.7	26.0	28.3	30.4	32.6	35.1	38.0	39.2	43.0	43.8	45.4	47.0	48.5	49.8	51.8
Kuwait	15.4	16.9	18.1	19.6	21.1	18.5	10.8	16.9	20.2	22.8	23.7	25.5	26.7	30.0	31.6	32.3	34.3	36.4	39.8	41.3	43.7	47.6
Oman	2.9	3.6	3.9	4.4	4.7	4.5	4.6	5.1	5.8	6.2	6.5	6.8	7.3	8.2	8.4	9.1	9.7	10.3	10.7	11.5	12.6	13.6
Qatar	4.0	4.3	4.4	4.6	4.6	4.8	4.7	5.2	5.6	5.9	6.0	6.6	6.9	8.2	8.9	9.1	10.0	10.9	12.0	13.2	14.4	15.3
Saudi Arabia	51.7	55.7	65.0	70.1	75.7	79.9	85.0	93.5	102.7	106.0	109.9	112.2	119.1	126.2	131.0	138.7	146.1	154.9	166.6	173.4	191.1	196.3
United Arab Emirates	12.2	12.8	13.7	14.8	15.6	17.1	17.2	18.7	21.7	23.7	25.0	26.6	28.5	33.4	37.1	39.9	43.2	46.9	49.5	52.4	60.7	62.4
Other Middle East	18.1	19.5	20.7	21.7	21.5	22.0	24.3	26.9	28.5	32.2	34.9	38.9	42.2	46.8	49.1	52.0	54.8	60.0	62.4	66.5	70.2	75.5
Total Middle East	**179.6**	**193.4**	**211.0**	**225.1**	**239.1**	**253.7**	**244.2**	**280.0**	**312.3**	**332.8**	**347.3**	**364.8**	**389.5**	**419.8**	**440.2**	**470.7**	**501.2**	**538.5**	**566.2**	**600.2**	**648.0**	**686.6**
Algeria	12.3	13.0	12.7	14.0	15.3	16.1	17.3	18.3	19.4	19.9	19.7	20.7	21.5	23.3	24.8	25.4	26.6	27.6	29.5	31.2	33.9	35.2
Egypt	30.3	32.5	35.7	38.7	40.6	42.0	43.3	45.0	46.7	48.6	50.7	53.6	56.8	60.7	65.7	73.3	80.7	86.2	92.2	98.3	104.9	111.7
Morocco	7.3	7.8	8.0	9.0	9.0	9.6	9.2	9.7	9.9	11.5	12.1	12.5	13.6	13.0	12.9	12.9	15.0	15.2	16.5	17.6	19.7	20.5
South Africa	143.5	148.2	152.4	158.1	163.4	167.2	168.3	168.1	174.7	181.7	186.7	200.1	210.4	205.4	203.0	210.7	210.1	220.6	234.2	244.6	244.9	253.8
Eastern Africa	24.1	24.7	24.9	27.2	26.4	30.0	31.4	28.8	30.3	30.7	31.7	31.5	33.5	38.8	41.0	42.3	46.3	48.2	47.8	51.0	54.2	56.3
Middle Africa	9.7	10.1	10.1	10.2	11.9	10.9	10.6	11.4	10.8	10.3	11.4	11.6	11.1	10.9	11.5	12.6	13.0	13.2	14.0	15.6	16.4	18.6
Western Africa	18.2	20.3	21.4	22.2	23.8	24.4	25.5	26.7	26.6	27.6	28.6	30.1	31.1	28.9	31.8	31.8	33.8	40.1	37.3	42.3	42.8	44.1
Other Northern Africa	11.4	11.4	12.5	13.3	13.6	16.1	16.6	17.3	18.1	18.8	19.2	20.1	21.2	22.7	24.5	26.2	27.6	29.5	30.3	32.3	35.4	37.9
Other Southern Africa	2.2	2.3	2.6	2.5	2.6	2.6	2.7	2.7	2.7	2.4	2.6	2.1	1.9	2.6	3.2	3.4	3.2	3.4	3.3	3.1	3.5	3.4
Total Africa	**259.0**	**270.1**	**280.3**	**295.3**	**306.6**	**318.9**	**325.0**	**328.0**	**339.2**	**351.5**	**362.7**	**382.2**	**400.9**	**406.3**	**418.4**	**438.5**	**456.4**	**484.0**	**505.2**	**536.0**	**555.8**	**581.5**
Australia	123.7	129.5	135.8	143.4	151.4	155.7	158.0	161.4	165.4	170.1	175.2	180.1	189.0	199.5	206.9	216.8	224.3	223.5	226.0	229.2	230.7	238.0
Bangladesh	4.5	4.8	5.6	6.5	7.1	7.7	8.3	8.9	9.2	9.8	10.8	11.5	11.9	12.9	14.5	15.8	17.4	18.7	19.7	24.7	26.5	29.5
China	410.7	449.5	497.3	545.2	584.8	621.2	677.6	753.9	811.6	927.8	1007.0	1081.3	1135.6	1167.0	1239.3	1355.6	1480.8	1654.0	1910.6	2203.3	2500.3	2865.7
China Hong Kong SAR	19.2	21.4	23.8	25.5	27.4	29.0	31.9	35.1	35.9	26.7	27.9	28.4	28.9	31.4	29.5	31.3	32.4	34.3	35.5	37.1	38.4	38.6
India	186.4	202.7	223.7	241.3	272.4	287.8	320.5	337.2	362.2	388.0	427.1	443.2	469.2	505.1	547.4	571.4	586.1	609.7	638.1	698.3	704.5	744.4
Indonesia	16.4	18.4	20.7	24.8	28.5	33.1	38.1	40.3	39.7	45.9	54.1	58.9	70.7	76.7	84.0	93.3	101.7	108.2	113.0	120.2	127.6	133.1
Japan	672.0	676.4	719.1	753.7	799.8	881.5	911.3	916.8	926.1	984.5	1010.9	1029.9	1054.9	1059.7	1079.1	1099.7	1083.1	1103.1	1092.6	1121.2	1153.1	1164.3
Malaysia	14.9	16.1	17.4	19.4	21.5	23.0	26.6	31.4	34.9	39.8	46.6	53.4	59.9	64.1	68.2	69.9	75.8	80.9	83.3	96.1	98.8	104.0
New Zealand	28.5	29.3	29.8	31.1	31.4	32.3	33.3	32.9	34.3	34.9	36.1	36.5	37.1	37.6	37.8	39.2	39.6	40.6	40.8	42.7	42.9	43.4
Pakistan	28.8	32.3	36.3	40.7	42.8	46.0	50.2	53.6	57.0	57.9	63.8	67.6	62.5	66.4	65.3	63.7	70.6	74.4	77.0	82.3	88.8	96.7
Philippines	22.8	21.0	22.6	24.5	25.6	26.3	25.6	25.9	26.6	30.5	33.6	36.7	39.8	41.6	41.4	45.3	47.0	48.5	52.9	56.0	56.6	56.8
Singapore	9.9	10.6	11.8	13.0	14.0	15.6	16.6	17.5	19.0	20.7	22.1	23.9	26.7	28.4	29.5	31.7	33.1	34.7	35.3	36.8	38.2	39.5
South Korea	62.7	69.7	80.3	93.1	103.6	118.5	131.6	146.4	161.9	183.4	203.5	225.8	246.6	237.2	262.2	290.4	309.9	332.0	347.8	368.0	389.5	403.0
Sri Lanka	2.5	2.7	2.7	2.8	2.9	3.1	3.4	3.5	4.0	4.4	4.8	4.5	5.1	5.7	6.3	7.0	6.8	7.1	8.1	8.7	8.8	9.5
Taiwan	54.8	61.6	68.4	74.8	84.1	90.2	99.2	105.5	115.2	124.6	133.1	142.0	150.5	163.2	169.5	184.8	188.5	198.8	209.1	218.4	227.4	235.5
Thailand	23.0	24.7	28.6	32.4	37.4	44.1	50.1	57.0	63.3	71.1	79.7	87.0	92.7	89.5	90.2	95.5	101.0	108.4	115.9	124.1	130.4	136.8
Vietnam	5.1	5.5	6.1	6.8	7.8	8.7	9.2	9.7	10.7	12.3	14.6	16.9	19.1	21.7	23.6	26.6	30.6	35.8	40.9	46.2	52.1	57.9
Other Asia Pacific	37.3	38.7	40.8	43.3	45.3	45.1	44.1	42.9	41.3	43.4	44.3	43.7	42.3	41.5	44.5	47.6	49.3	49.6	52.2	54.3	56.7	59.9
Total Asia Pacific	**1723.1**	**1814.9**	**1970.6**	**2122.3**	**2287.7**	**2468.9**	**2635.5**	**2779.9**	**2918.3**	**3175.7**	**3395.3**	**3571.4**	**3742.4**	**3849.1**	**4039.0**	**4285.7**	**4478.0**	**4762.2**	**5098.7**	**5567.6**	**5971.2**	**6456.8**
Total World	**9879.2**	**10174.0**	**10664.3**	**11133.5**	**11654.0**	**11957.4**	**12218.5**	**12329.9**	**12591.8**	**12916.7**	**13375.2**	**13789.2**	**14120.5**	**14502.7**	**14917.5**	**15555.3**	**15788.6**	**16345.2**	**16923.7**	**17726.3**	**18453.6**	**19154.9**
of which: OECD	6531.8	6636.0	6915.9	7197.5	7569.3	7774.6	7946.4	8010.8	8187.4	8406.4	8669.5	8912.2	9078.5	9317.5	9530.9	9861.3	9855.5	10079.6	10197.5	10447.3	10684.8	10768.8
Non-OECD	3347.5	3538.0	3748.5	3936.0	4084.7	4182.8	4272.2	4319.1	4404.4	4510.3	4705.7	4877.0	5042.0	5185.2	5386.6	5694.0	5933.1	6265.6	6726.2	7279.0	7768.8	8386.1
European Union #	2321.0	2377.1	2450.4	2507.2	2564.0	2594.9	2640.8	2624.6	2627.2	2665.8	2747.0	2842.4	2858.3	2925.1	2955.4	3037.7	3119.7	3142.9	3237.2	3305.6	3327.3	3371.2

Terawatt-hours	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-18	Share 2019
Canada	637.1	635.1	613.9	607.0	638.3	636.5	655.7	647.6	659.3	663.0	664.5	652.3	**660.4**	1.2%	0.3%	2.4%
Mexico	263.2	269.3	267.8	275.6	292.1	296.4	297.1	303.3	310.3	320.3	329.1	349.3	**364.0**	4.2%	2.6%	1.3%
US	4431.8	4390.1	4206.5	4394.3	4363.4	4310.6	4330.3	4363.3	4348.7	4347.9	4302.5	4457.4	**4401.3**	-1.3%	0.2%	16.3%
Total North America	**5332.2**	**5294.5**	**5088.2**	**5276.8**	**5293.8**	**5243.5**	**5283.1**	**5314.2**	**5318.4**	**5331.2**	**5296.1**	**5459.0**	**5425.7**	**-0.6%**	**0.3%**	**20.1%**
Argentina	113.5	121.9	122.3	126.0	129.5	136.0	139.4	138.6	145.4	147.2	145.6	146.8	**139.9**	-4.7%	1.9%	0.5%
Brazil	445.1	462.9	466.2	515.8	531.8	552.5	570.8	590.5	581.2	578.9	589.3	601.4	**625.6**	4.0%	2.7%	2.3%
Chile	58.3	59.7	59.7	61.3	65.2	69.7	73.0	71.6	74.5	77.7	78.6	82.3	**83.9**	1.9%	3.3%	0.3%
Colombia	60.5	61.4	63.2	64.7	66.2	67.7	69.8	72.7	75.0	74.4	75.1	78.3	**75.2**	-3.9%	2.5%	0.3%
Ecuador	17.3	18.6	18.3	19.5	20.5	22.8	23.3	24.3	26.0	27.3	28.0	29.7	**32.9**	10.7%	4.8%	0.1%
Peru	29.9	32.5	32.9	35.9	38.8	41.0	43.3	45.5	48.3	51.7	52.7	54.9	**57.3**	4.4%	5.4%	0.2%
Trinidad & Tobago	7.7	7.7	7.8	8.5	8.8	9.1	9.5	9.9	10.3	10.7	11.0	10.6	**11.1**	5.1%	3.2%	♦
Venezuela	113.7	119.3	124.8	116.7	122.9	127.9	130.0	128.3	123.8	113.8	109.4	105.1	**84.9**	-19.3%	-1.3%	0.3%
Central America	40.0	40.9	41.6	43.0	44.4	46.3	47.7	49.1	51.9	53.6	54.1	56.9	**57.7**	1.4%	3.4%	0.2%
Other Caribbean	76.1	73.0	72.5	73.7	74.1	76.0	76.7	76.0	77.8	80.1	76.1	78.3	**82.0**	4.8%	0.7%	0.3%
Other South America	71.9	73.7	73.5	75.2	78.8	82.3	84.1	80.8	82.7	91.1	88.0	86.8	**78.9**	-9.2%	1.7%	0.3%
Total S. & Cent. America	**1034.1**	**1071.6**	**1082.9**	**1140.4**	**1181.1**	**1231.4**	**1267.7**	**1287.5**	**1296.9**	**1306.6**	**1308.0**	**1331.0**	**1329.3**	**-0.1%**	**2.2%**	**4.9%**
Austria	64.9	66.9	69.1	71.1	65.9	72.4	68.0	65.1	64.9	67.9	70.7	68.0	**73.4**	8.0%	0.2%	0.3%
Belgium	88.8	84.9	91.2	95.2	90.2	82.9	83.5	72.6	69.8	85.7	86.6	74.9	**93.6**	24.9%	-1.2%	0.3%
Bulgaria	43.3	45.0	43.0	46.7	50.8	47.3	43.8	47.5	49.2	45.3	45.6	46.8	**43.3**	-7.5%	0.4%	0.2%
Croatia	12.7	12.9	13.5	14.9	11.4	10.8	14.1	13.6	11.4	12.8	12.0	13.6	**12.6**	-7.4%	0.6%	♦
Cyprus	4.9	5.1	5.2	5.3	4.9	4.7	4.3	4.4	4.5	4.9	5.0	5.0	**5.1**	1.8%	-0.1%	♦
Czech Republic	88.0	83.5	82.3	85.9	87.6	87.6	87.1	86.0	83.9	83.3	87.0	88.0	**87.0**	-1.2%	0.5%	0.3%
Denmark	39.3	36.6	36.4	38.9	35.2	30.7	34.7	32.2	28.9	30.5	31.0	30.4	**30.5**	0.3%	-1.9%	0.1%
Estonia	12.2	10.6	8.8	13.0	12.9	12.0	13.3	12.4	10.4	12.2	13.2	12.3	**7.6**	-38.6%	1.5%	♦
Finland	81.7	77.8	72.5	81.1	73.7	70.5	71.4	68.2	68.8	68.8	67.1	70.2	**68.7**	-2.1%	-1.0%	0.3%
France	569.8	573.8	535.9	569.3	565.0	564.5	573.8	564.2	570.3	556.2	554.1	574.2	**555.4**	-3.3%	♦	2.1%
Germany	640.6	640.7	595.6	633.1	613.1	630.1	638.7	627.8	648.1	650.7	653.7	643.5	**612.4**	-4.8%	♦	2.3%
Greece	63.5	63.7	61.4	57.4	59.4	61.0	57.2	50.5	51.9	54.4	55.3	53.3	**50.2**	-5.8%	-1.8%	0.2%
Hungary	40.0	40.0	35.9	37.4	36.0	34.6	30.3	29.4	30.4	31.9	32.9	32.0	**33.9**	6.0%	-2.2%	0.1%
Iceland	12.0	16.5	16.8	17.1	17.2	17.5	18.1	18.1	18.8	18.5	19.2	19.8	**19.6**	-1.1%	1.9%	0.1%
Ireland	28.7	30.3	28.4	28.7	27.5	27.6	26.1	26.3	28.4	30.4	30.9	31.1	**30.7**	-1.3%	0.3%	0.1%
Italy	313.9	319.1	292.6	302.1	302.6	299.3	289.8	279.8	283.0	289.8	295.8	289.7	**283.8**	-2.0%	-1.0%	1.1%
Latvia	4.8	5.3	5.6	6.6	6.1	6.2	6.2	5.1	5.5	6.4	7.5	6.7	**6.4**	-5.0%	2.5%	♦
Lithuania	14.0	14.0	15.4	5.7	4.8	5.0	4.8	4.4	4.9	4.3	4.2	3.3	**3.7**	13.6%	-13.5%	♦
Luxembourg	4.0	3.6	3.9	4.6	3.7	3.8	2.9	3.0	2.8	2.2	2.2	2.2	**1.9**	-15.4%	-4.7%	♦
Netherlands	105.2	108.2	113.5	118.1	113.0	102.5	100.9	103.4	110.1	115.2	117.3	114.5	**121.0**	5.7%	0.6%	0.4%
North Macedonia	6.5	6.3	6.8	7.3	6.8	6.3	6.1	5.4	5.6	5.6	5.6	5.6	**5.9**	4.7%	-1.2%	♦
Norway	137.2	142.1	131.8	123.6	127.6	147.7	134.0	142.0	144.5	149.0	149.4	147.1	**134.8**	-8.3%	0.3%	0.5%
Poland	159.3	155.3	151.7	157.7	163.5	162.1	164.6	159.1	164.9	166.6	170.5	170.0	**163.9**	-3.6%	0.9%	0.6%
Portugal	47.3	46.0	50.2	54.1	52.5	46.6	51.7	52.8	52.4	60.3	59.4	59.6	**53.7**	-10.0%	2.6%	0.2%
Romania	61.7	65.0	58.0	61.0	62.2	59.0	58.9	63.3	66.3	65.1	64.3	64.8	**59.5**	-8.2%	♦	0.2%
Slovakia	27.9	29.3	26.1	27.7	28.1	28.4	28.6	27.3	27.2	27.1	27.6	26.9	**29.7**	10.8%	-0.9%	0.1%
Slovenia	15.0	16.4	16.4	16.4	16.1	15.7	16.1	17.4	15.1	16.5	16.3	16.3	**15.8**	-3.2%	♦	0.1%
Spain	305.1	313.8	296.3	300.4	291.8	297.6	285.3	278.8	281.0	274.6	275.6	274.5	**275.8**	0.5%	-1.3%	1.0%
Sweden	148.7	149.7	136.7	148.3	151.2	166.3	153.2	153.7	162.1	156.1	164.3	163.4	**169.8**	3.9%	0.9%	0.6%
Switzerland	67.7	68.7	68.3	68.0	64.8	70.0	70.4	72.0	67.9	63.3	63.3	69.4	**68.3**	-1.6%	0.1%	0.3%
Turkey	191.6	198.4	194.8	211.2	229.4	239.5	240.2	252.0	261.8	274.4	297.3	304.8	**308.5**	1.2%	4.4%	1.1%
Ukraine	196.3	192.6	173.6	188.8	194.9	198.9	194.4	182.8	163.7	164.6	156.0	159.9	**154.5**	-3.4%	-1.8%	0.6%
United Kingdom	396.8	388.9	376.8	382.1	368.0	363.9	358.3	338.1	338.9	339.2	338.2	332.9	**323.7**	-2.8%	-1.5%	1.2%
Other Europe	71.5	77.6	80.4	87.2	81.6	79.3	90.1	80.1	85.4	89.2	83.2	92.5	**88.6**	-4.2%	1.8%	0.3%
Total Europe	**4064.7**	**4088.6**	**3894.7**	**4065.8**	**4019.4**	**4052.4**	**4020.6**	**3938.5**	**3982.9**	**4023.1**	**4062.2**	**4067.2**	**3993.3**	**-1.8%**	**-0.1%**	**14.8%**
Azerbaijan	21.8	21.6	18.9	18.7	20.3	23.0	23.4	24.7	24.7	25.0	24.3	25.2	**26.3**	4.4%	1.5%	0.1%
Belarus	31.8	35.1	30.4	34.9	32.2	30.8	31.5	34.7	34.2	33.6	34.5	38.9	**40.4**	3.8%	1.1%	0.1%
Kazakhstan	76.6	80.3	78.7	82.6	86.6	90.6	92.6	94.6	91.6	94.6	103.1	107.3	**108.4**	1.0%	2.9%	0.4%
Russian Federation	1018.7	1040.0	993.1	1038.0	1054.9	1069.3	1059.1	1064.2	1067.5	1091.0	1091.2	1109.2	**1118.1**	0.8%	0.6%	4.1%
Turkmenistan	14.9	15.0	16.0	16.7	17.2	17.8	18.9	20.1	21.5	22.6	22.8	24.2	**25.7**	6.3%	4.9%	0.1%
Uzbekistan	49.0	50.2	50.1	51.9	52.8	53.0	54.9	55.4	57.3	59.1	60.8	62.9	**62.9**	♦	2.3%	0.2%
Other CIS	44.1	39.7	39.1	41.1	44.6	46.0	43.3	44.1	44.0	43.5	46.3	48.6	**49.2**	1.1%	2.0%	0.2%
Total CIS	**1257.0**	**1282.0**	**1226.2**	**1284.0**	**1308.5**	**1330.4**	**1323.7**	**1337.9**	**1340.9**	**1369.3**	**1383.0**	**1416.3**	**1431.0**	**1.0%**	**1.0%**	**5.3%**
Iran	203.1	210.5	221.8	235.7	235.6	248.8	258.9	273.5	279.5	286.1	305.2	314.4	**318.7**	1.4%	4.1%	1.2%
Iraq	32.3	35.3	41.3	41.7	42.2	47.8	62.1	71.2	75.3	86.3	93.6	99.9	**131.5**	31.6%	11.0%	0.5%
Israel	55.1	55.8	55.3	58.5	59.3	63.0	61.4	61.3	64.3	67.3	67.6	69.0	**71.8**	4.1%	2.1%	0.3%
Kuwait	48.8	51.7	53.2	57.1	57.5	62.7	61.0	65.1	68.3	70.1	72.9	74.2	**75.0**	1.1%	3.7%	0.3%
Oman	14.4	16.0	18.4	19.8	21.9	25.0	26.2	29.1	32.8	34.2	36.1	37.7	**37.4**	-0.7%	8.9%	0.1%
Qatar	19.5	21.6	24.2	28.1	30.7	34.8	34.7	38.7	41.5	42.3	45.6	47.9	**48.6**	1.4%	8.3%	0.2%
Saudi Arabia	204.4	204.2	217.3	240.1	250.1	271.7	284.1	311.8	338.5	345.6	355.2	359.2	**357.4**	-0.5%	5.8%	1.3%
United Arab Emirates	78.8	80.5	85.7	93.9	99.1	106.2	110.0	116.5	127.4	129.6	134.6	136.0	**138.1**	1.5%	5.4%	0.5%
Other Middle East	80.9	87.1	90.7	98.7	93.4	88.3	83.7	83.5	81.6	82.0	86.4	85.8	**86.1**	0.4%	-0.1%	0.3%
Total Middle East	**737.3**	**762.8**	**807.9**	**873.7**	**889.7**	**948.2**	**982.0**	**1050.9**	**1109.0**	**1143.6**	**1197.0**	**1224.1**	**1264.7**	**3.3%**	**4.8%**	**4.7%**
Algeria	37.3	40.2	43.1	45.7	53.1	57.4	59.9	64.2	68.8	71.0	76.0	76.7	**81.3**	6.0%	6.7%	0.3%
Egypt	119.9	128.8	134.3	144.4	149.6	162.8	165.1	171.2	181.8	188.2	193.2	199.4	**200.6**	0.6%	4.5%	0.7%
Morocco	20.3	21.0	21.7	23.7	25.4	27.7	28.1	29.3	30.3	30.7	31.6	34.4	**40.1**	16.6%	5.1%	0.1%
South Africa	263.5	258.3	249.6	259.6	262.5	257.9	256.1	254.8	250.1	252.7	255.1	256.3	**252.6**	-1.5%	-0.1%	0.9%
Eastern Africa	59.5	61.8	66.5	74.0	78.5	81.6	86.9	93.1	98.0	97.8	103.4	106.0	**115.3**	8.8%	5.5%	0.4%
Middle Africa	18.6	20.1	21.1	22.2	22.7	23.3	27.6	30.4	32.6	33.8	36.1	38.7	**40.3**	4.1%	6.7%	0.1%
Western Africa	43.1	43.1	42.2	50.1	51.9	53.9	59.1	62.4	63.3	67.1	69.4	72.7	**75.4**	3.7%	5.4%	0.3%
Other Northern Africa	40.1	43.1	45.7	49.0	42.6	52.4	56.4	57.0	57.3	56.3	57.6	56.6	**60.1**	6.2%	2.8%	0.2%
Other Southern Africa	3.2	3.1	3.0	2.8	2.9	3.5	4.1	5.0	5.0	4.7	5.6	5.0	**4.5**	-9.7%	4.7%	♦
Total Africa	**605.5**	**619.5**	**627.1**	**671.6**	**689.0**	**720.6**	**743.4**	**767.4**	**787.4**	**802.5**	**828.1**	**845.8**	**870.1**	**2.9%**	**3.2%**	**3.2%**
Australia	243.2	245.4	249.9	251.0	256.3	250.7	249.6	247.6	255.2	258.5	259.1	263.1	**265.1**	0.8%	0.7%	1.0%
Bangladesh	31.0	34.2	37.2	40.8	44.2	48.7	54.4	57.4	61.8	70.0	73.4	81.1	**89.7**	10.6%	9.0%	0.3%
China	3281.6	3495.8	3714.7	4207.2	4713.0	4987.6	5431.6	5794.5	5814.6	6133.2	6604.4	7166.1	**7503.4**	4.7%	7.4%	27.8%
China Hong Kong SAR	38.9	38.0	38.7	38.4	39.1	38.8	39.2	39.9	38.0	38.3	37.0	36.6	**36.9**	0.9%	-0.4%	0.1%
India	796.3	828.4	879.7	937.5	1034.0	1091.8	1146.1	1262.2	1317.3	1401.7	1473.8	1551.4	**1558.7**	0.5%	6.5%	5.8%
Indonesia	142.4	149.4	156.8	169.8	183.4	200.3	216.2	228.6	234.0	247.9	254.6	267.1	**279.1**	4.5%	6.0%	1.0%
Japan	1180.1	1183.7	1114.0	1156.0	1104.2	1106.9	1087.8	1062.7	1030.1	1030.3	1042.6	1056.2	**1036.3**	-1.9%	-1.1%	3.8%
Malaysia	108.5	113.8	116.1	125.0	127.1	134.1	141.0	147.5	150.1	156.7	160.6	167.3	**171.0**	2.2%	3.9%	0.6%
New Zealand	43.8	43.8	43.4	44.9	44.4	44.2	43.3	43.5	44.2	43.7	44.2	44.2	**44.6**	0.8%	0.1%	0.2%
Pakistan	99.4	93.2	98.8	99.4	100.6	99.5	101.8	106.2	106.7	120.0	122.5	136.0	**136.3**	0.2%	3.9%	0.5%
Philippines	59.6	60.8	61.9	67.7	69.2	72.9	75.3	77.3	82.4	90.8	94.4	99.8	**105.8**	6.1%	5.1%	0.4%
Singapore	41.1	41.7	41.8	45.4	46.0	46.9	48.0	49.3	50.3	51.6	52.2	52.9	**54.1**	2.3%	2.4%	0.2%
South Korea	425.4	442.6	452.4	495.0	518.2	531.2	537.2	540.4	547.8	561.0	576.4	593.4	**584.7**	-1.5%	3.0%	2.2%
Sri Lanka	9.9	10.0	10.0	10.8	11.6	11.9	12.0	12.9	13.2	14.4	15.0	15.7	**16.2**	3.1%	4.6%	0.1%
Taiwan	243.1	238.3	230.0	247.1	252.2	250.4	252.4	260.0	258.2	264.1	270.3	275.6	**274.2**	-0.5%	1.5%	1.0%
Thailand	142.5	145.4	145.9	157.6	153.3	169.0	168.6	173.8	177.8	179.8	176.7	177.6	**186.5**	5.0%	2.0%	0.7%
Vietnam	64.1	71.0	80.6	91.7	101.5	115.1	124.5	141.3	157.9	175.7	191.6	209.2	**227.4**	8.7%	11.4%	0.8%
Other Asia Pacific	63.6	66.6	65.3	72.5	76.8	78.2	84.4	88.4	91.1	108.9	119.6	115.9	**120.2**	3.7%	5.7%	0.4%
Total Asia Pacific	**7014.7**	**7302.2**	**7537.5**	**8257.7**	**8875.1**	**9278.2**	**9813.1**	**10333.4**	**10430.8**	**10946.5**	**11568.6**	**12309.3**	**12690.5**	**3.1%**	**5.4%**	**47.0%**
Total World	**20045.5**	**20421.2**	**20264.4**	**21569.9**	**22256.6**	**22804.7**	**23433.5**	**24029.8**	**24266.3**	**24922.9**	**25643.0**	**26652.7**	**27004.7**	**1.3%**	**2.7%**	**100.0%**
of which: OECD	11006.0	11009.7	10577.2	10998.1	10948.2	10955.3	10944.1	10882.9	10931.2	11005.3	11055.2	11246.1	**11136.0**	-1.0%	0.2%	41.2%
Non-OECD	9039.6	9411.4	9687.2	10571.8	11308.5	11849.4	12489.4	13146.9	13335.1	13917.6	14587.8	15406.6	**15868.7**	3.0%	5.1%	58.8%
European Union #	3384.3	3388.7	3224.4	3364.7	3299.2	3295.4	3269.6	3188.4	3236.6	3259.4	3290.0	3270.1	**3215.3**	-1.7%	-0.4%	11.9%

* Based on gross output.
♦ Less than 0.05%
USSR includes CIS, Georgia, Ukraine and the Baltic States.
\# Excludes Croatia and Slovenia prior to 1990.
Notes: Annual changes and share of total are calculated using terawatt-hours figures.

Electricity generation by fuel*

Terawatt-hours	Oil	Natural Gas	Coal	Nuclear energy	Hydro electric	Renew-ables	Other#	2018 Total	Oil
Canada	3.8	64.1	50.6	100.0	385.9	47.1	0.7	652.3	4.1
Mexico	35.7	194.6	29.0	13.6	32.5	23.3	20.6	349.3	37.7
US	27.1	1579.3	1246.7	849.6	289.5	451.6	13.6	4457.4	20.0
Total North America	**66.7**	**1838.0**	**1326.3**	**963.2**	**707.9**	**522.0**	**34.9**	**5459.0**	**61.8**
Argentina	6.7	84.9	2.1	6.9	41.6	4.0	0.5	146.8	2.8
Brazil	12.2	54.6	23.7	15.7	389.0	106.3	-	601.4	7.9
Other S. & Cent. America	95.1	104.0	44.6	-	287.6	51.6	-0.1	582.8	75.6
Total S. & Cent. America	**113.9**	**243.5**	**70.4**	**22.5**	**718.2**	**161.9**	**0.5**	**1331.0**	**86.3**
Germany	5.2	82.5	228.2	76.0	18.0	206.8	26.8	643.5	5.1
Italy	11.0	128.5	31.0	-	47.1	65.6	6.5	289.7	10.2
Netherlands	1.3	57.7	27.5	3.5	0.1	18.8	5.6	114.5	1.4
Poland	1.8	12.6	133.3	-	2.0	19.6	0.7	170.0	1.2
Spain	14.5	58.0	38.7	55.8	34.8	69.8	2.9	274.5	13.4
Turkey	0.3	92.5	113.2	-	59.9	37.8	1.0	304.8	0.2
Ukraine	0.7	9.0	52.1	84.4	10.4	2.5	0.7	159.9	0.2
United Kingdom	1.7	131.5	16.8	65.1	5.5	104.5	7.8	332.9	1.0
Other Europe	19.5	157.5	215.8	651.1	467.5	230.8	35.2	1777.5	19.0
Total Europe	**56.1**	**729.9**	**856.6**	**935.8**	**645.3**	**756.3**	**87.1**	**4067.2**	**51.8**
Kazakhstan	0.8	20.7	79.6	-	10.4	0.5	-4.7	107.3	0.8
Russian Federation	6.8	511.1	190.3	204.6	190.6	1.4	4.4	1109.2	6.9
Other CIS	0.9	148.6	4.1	2.1	43.3	0.6	0.3	199.9	0.9
Total CIS	**8.5**	**680.4**	**274.0**	**206.7**	**244.3**	**2.5**	**-^**	**1416.3**	**8.6**
Iran	86.0	209.0	0.6	6.9	11.4	0.5	-	314.4	82.6
Saudi Arabia	158.8	200.0	-	-	-	0.4	-	359.2	149.6
United Arab Emirates	^	134.7	-	-	-	1.3	-	136.0	^
Other Middle East	147.5	238.0	20.6	-	3.1	5.3	-	414.5	163.9
Total Middle East	**392.3**	**781.6**	**21.3**	**6.9**	**14.5**	**7.5**	**-**	**1224.1**	**396.1**
Egypt	28.8	153.7	-	-	13.4	3.5	-	199.4	28.2
South Africa	1.2	1.9	224.6	11.1	0.8	12.3	4.6	256.3	1.2
Other Africa	49.3	175.8	32.0	-	116.3	16.4	0.3	390.1	51.9
Total Africa	**79.3**	**331.3**	**256.6**	**11.1**	**130.4**	**32.2**	**4.9**	**845.8**	**81.3**
Australia	5.4	51.4	156.5	-	17.4	32.2	0.1	263.1	5.8
China	5.5	215.5	4765.0	295.0	1198.9	636.4	49.8	7166.1	6.0
India	8.5	73.9	1167.3	39.1	139.6	122.8	0.2	1551.4	8.2
Indonesia	18.1	57.3	160.0	-	16.8	14.6	0.3	267.1	17.3
Japan	66.2	386.9	323.0	49.1	81.0	96.8	53.3	1056.2	44.7
Malaysia	1.3	64.8	73.5	-	26.5	1.3	-	167.3	2.6
South Korea	10.1	160.9	250.9	133.5	3.4	23.9	10.7	593.4	7.4
Taiwan	8.2	92.4	131.2	27.7	4.5	6.4	5.2	275.6	5.8
Thailand	0.2	116.3	35.8	-	7.6	17.8	-^	177.6	1.1
Vietnam	0.2	40.1	83.9	-	84.5	0.5	-	209.2	1.4
Other Asia Pacific	49.9	218.2	138.9	9.8	130.8	32.8	1.9	582.2	39.1
Total Asia Pacific	**173.5**	**1477.7**	**7286.1**	**554.1**	**1710.9**	**985.5**	**121.5**	**12309.3**	**139.5**
Total World	**890.4**	**6082.5**	**10091.3**	**2700.4**	**4171.4**	**2468.0**	**248.9**	**26652.7**	**825.3**
of which: OECD	196.4	3201.2	2829.6	1969.8	1423.0	1442.4	183.9	11246.1	164.9
Non-OECD	694.0	2881.3	7261.7	730.6	2748.4	1025.6	65.0	15406.6	660.4
European Union	52.6	621.2	643.6	827.0	346.9	700.9	77.9	3270.1	49.1

*Based on gross output.

Includes sources not specified elsewhere e.g. pumped hydro, non renewable waste and statistical discrepancies (which can be positiv

^ Less than 0.05.

Contents

Natural Gas	Coal	Nuclear energy	Hydro electric	Renew-ables	Other#	**2019 Total**
69.3	54.6	100.5	382.0	49.3	0.7	**660.4**
205.6	26.3	11.3	23.8	37.8	21.6	**364.0**
1700.9	1053.5	852.0	271.2	489.8	14.0	**4401.3**
1975.8	**1134.4**	**963.7**	**676.9**	**576.9**	**36.2**	**5425.7**
82.3	0.7	8.4	37.1	8.2	0.5	**139.9**
58.9	25.7	16.2	399.3	117.7	-	**625.6**
103.8	47.8	-	278.3	58.3	-0.1	**563.8**
245.0	**74.3**	**24.6**	**714.7**	**184.1**	**0.4**	**1329.3**
91.0	171.2	75.1	20.2	224.1	25.7	**612.4**
126.5	29.7	-	45.1	67.6	4.7	**283.8**
71.0	17.4	3.9	0.1	22.3	5.0	**121.0**
14.8	121.9	-	2.0	23.1	1.0	**163.9**
86.0	13.1	58.4	25.2	77.5	2.1	**275.8**
58.1	114.6	-	89.2	45.3	1.1	**308.5**
9.2	48.3	83.0	6.8	5.0	1.9	**154.5**
132.5	6.9	56.2	6.0	113.4	7.8	**323.7**
179.1	175.6	651.9	438.0	258.3	27.9	**1749.7**
768.1	**698.6**	**928.5**	**632.5**	**836.6**	**77.2**	**3993.3**
20.8	78.1	-	10.0	0.8	-2.1	**108.4**
519.5	182.2	209.0	194.4	1.8	4.3	**1118.1**
152.7	4.0	2.2	44.0	0.7	0.1	**204.5**
693.0	**264.2**	**211.2**	**248.4**	**3.3**	**2.3**	**1431.0**
199.5	0.6	6.4	29.0	0.6	-	**318.7**
206.0	-	-	-	1.8	-	**357.4**
133.9	-	-	-	4.2	-	**138.1**
253.5	21.9	-	4.3	6.8	-	**450.5**
792.9	**22.6**	**6.4**	**33.3**	**13.3**	**-**	**1264.7**
152.5	-	-	13.4	6.5	-	**200.6**
1.9	217.3	14.2	0.8	12.6	4.6	**252.6**
186.1	36.2	-	118.6	26.0	-1.8	**417.0**
340.5	**253.6**	**14.2**	**132.7**	**45.1**	**2.8**	**870.1**
54.4	149.5	-	14.3	41.1	0.1	**265.1**
236.5	4853.7	348.7	1269.7	732.3	56.5	**7503.4**
71.0	1137.4	45.2	161.8	134.9	0.2	**1558.7**
51.6	177.0	-	17.0	16.0	0.3	**279.1**
362.4	326.2	65.6	73.9	121.2	42.3	**1036.3**
68.6	71.1	-	27.0	1.7	-	**171.0**
150.8	238.7	146.0	2.8	29.2	9.7	**584.7**
91.1	126.4	32.3	5.5	8.0	5.0	**274.2**
121.8	35.8	-	6.3	21.4	-^	**186.5**
43.1	112.5	-	65.6	4.7	-	**227.4**
231.4	148.0	9.5	139.7	35.7	0.5	**604.0**
1482.6	**7376.4**	**647.3**	**1783.7**	**1146.2**	**114.8**	**12690.5**
6297.9	**9824.1**	**2796.0**	**4222.2**	**2805.5**	**233.6**	**27004.7**
3347.5	2471.0	1993.0	1380.2	1616.8	162.6	**11136.0**
2950.4	7353.1	803.0	2842.1	1188.8	71.0	**15868.7**
692.2	488.4	822.4	327.9	768.2	67.2	**3215.3**

e or negative).

Electricity generation from oil*

Terawatt-hours	1985	1986	1987	1988	1989	1990	1991	1992	1993
Canada	6.8	6.2	10.1	11.8	18.2	16.5	14.1	15.6	12.0
Mexico	55.1	60.9	66.2	69.4	72.0	64.0	67.7	66.8	65.9
US	107.7	146.9	127.4	160.1	176.7	136.0	128.8	107.7	121.3
Total North America	**169.6**	**213.9**	**203.7**	**241.3**	**266.9**	**216.5**	**210.6**	**190.1**	**199.2**
Argentina	5.7	7.9	10.1	8.6	7.2	4.9	7.6	7.7	6.7
Brazil	3.9	10.2	7.8	7.2	6.2	5.1	5.2	6.3	6.2
Other S. & Cent. America	49.2	49.7	51.3	52.9	56.9	56.9	53.3	60.3	58.8
Total S. & Cent. America	**58.8**	**67.8**	**69.2**	**68.7**	**70.3**	**66.9**	**66.2**	**74.3**	**71.7**
Germany	9.6	13.6	13.8	11.8	10.4	10.8	14.8	13.2	10.1
Italy	76.2	77.5	89.9	89.7	101.8	102.7	104.3	116.0	113.9
Netherlands	3.3	3.5	3.7	3.8	3.3	3.1	3.3	3.2	3.0
Poland	1.7	1.6	1.7	1.6	1.7	1.6	1.5	1.5	1.6
Spain	7.7	6.2	6.4	6.9	9.1	8.6	10.2	14.3	9.5
Turkey	7.1	7.0	5.5	3.3	4.2	3.9	3.3	5.3	5.2
Ukraine	47.1	49.7	50.2	48.3	49.5	48.0	38.5	22.6	16.9
United Kingdom	48.3	31.2	26.3	28.4	29.4	34.7	28.1	29.8	21.1
Other Europe	70.7	75.7	68.2	55.7	71.0	67.7	73.9	64.4	59.1
Total Europe	**271.6**	**266.1**	**265.7**	**249.6**	**280.6**	**281.1**	**277.9**	**270.2**	**240.5**
Kazakhstan	8.3	8.8	9.0	8.9	9.0	8.7	7.5	7.3	6.7
Russian Federation	113.3	118.0	122.5	124.1	125.8	128.5	124.0	100.1	82.9
Other CIS	30.9	35.8	36.8	36.1	36.7	36.5	37.6	30.5	23.2
Total CIS	**152.5**	**162.6**	**168.4**	**169.1**	**171.5**	**173.7**	**169.1**	**137.9**	**112.8**
Iran	19.2	19.3	23.6	18.6	18.3	19.9	22.1	20.7	23.8
Saudi Arabia	21.9	24.8	31.9	35.5	36.9	39.2	42.2	49.6	54.8
United Arab Emirates	^	^	^	^	^	^	^	^	^
Other Middle East	48.6	51.4	52.6	54.5	53.2	53.9	41.8	49.4	51.3
Total Middle East	**89.7**	**95.5**	**108.2**	**108.6**	**108.4**	**112.9**	**106.2**	**119.7**	**129.9**
Egypt	11.9	13.2	15.0	16.7	17.4	15.6	13.0	12.2	10.5
South Africa	^	^	^	0.1	-	-	-	-	-
Other Africa	22.4	23.9	23.7	25.8	25.9	27.6	29.2	30.5	31.4
Total Africa	**34.3**	**37.2**	**38.7**	**42.6**	**43.3**	**43.1**	**42.2**	**42.7**	**41.9**
Australia	4.7	3.8	2.8	2.4	3.0	3.5	2.9	2.4	2.4
China	56.7	53.7	54.6	60.3	57.6	50.4	51.9	53.2	65.5
India	11.9	11.5	12.4	12.3	12.8	13.3	13.4	14.8	14.2
Indonesia	6.6	6.7	7.8	9.6	10.7	12.3	14.2	14.9	14.7
Japan	183.9	180.8	191.8	213.0	231.8	287.5	275.4	282.1	238.8
Malaysia	9.0	9.2	9.2	9.4	10.0	10.6	10.9	10.6	10.7
South Korea	17.4	12.3	2.4	8.8	11.2	13.3	20.2	23.1	25.3
Taiwan	5.2	7.5	6.3	15.7	22.1	22.2	25.3	21.8	25.5
Thailand	3.4	3.3	2.2	3.1	4.8	10.4	12.7	15.1	18.2
Vietnam	1.2	1.4	1.5	1.5	1.2	1.3	1.5	1.6	2.0
Other Asia Pacific	32.3	32.9	36.3	38.1	40.5	45.6	49.0	53.0	52.5
Total Asia Pacific	**332.3**	**323.1**	**327.2**	**374.3**	**405.7**	**470.4**	**477.7**	**492.7**	**469.8**
Total World	**1108.8**	**1166.2**	**1181.0**	**1254.3**	**1346.7**	**1364.6**	**1349.8**	**1327.7**	**1265.8**
of which: OECD	582.7	606.2	599.1	658.8	733.8	742.1	743.2	745.2	687.5
Non-OECD	526.0	560.1	581.9	595.5	612.9	622.5	606.6	582.5	578.4
European Union	208.0	199.4	200.8	188.3	216.4	221.9	229.6	239.8	216.4

* Based on gross output.

♦ Less than 0.05%

Notes: Annual changes and share of total are calculated using terawatt-hours figures.

Contents

1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
10.1	6.3	7.4	12.0	16.9	14.8	13.4	15.9	15.3	19.1	19.0	16.5	10.4
79.7	70.0	71.5	82.5	92.3	89.7	96.6	92.7	79.3	70.8	73.9	72.7	53.8
113.9	80.2	87.5	99.5	138.5	126.9	119.6	134.3	101.7	128.4	130.3	131.4	69.0
203.7	**156.5**	**166.4**	**194.1**	**247.7**	**231.4**	**229.5**	**242.9**	**196.3**	**218.3**	**223.2**	**220.6**	**133.2**
4.6	4.6	4.6	2.0	3.8	3.8	2.9	1.0	0.8	1.0	4.0	5.7	8.0
6.4	7.6	9.3	10.0	11.2	16.6	15.2	15.9	13.5	10.8	12.3	11.7	12.4
62.1	67.4	69.2	76.0	83.8	85.4	84.5	90.7	92.8	94.2	90.8	96.7	100.7
73.1	**79.6**	**83.2**	**88.0**	**98.8**	**105.9**	**102.7**	**107.7**	**107.1**	**106.1**	**107.2**	**114.2**	**121.2**
10.1	9.1	8.2	7.4	6.7	6.3	5.9	6.1	8.7	10.3	10.8	12.0	10.9
116.3	120.8	117.1	113.3	107.3	91.4	85.9	75.0	87.8	76.0	58.9	47.1	45.9
3.3	2.8	2.8	2.8	3.0	2.8	2.6	2.6	2.4	2.5	2.4	2.3	2.1
1.7	1.5	1.8	1.9	1.9	1.9	1.9	2.4	2.4	2.5	2.9	2.8	2.9
10.5	14.6	13.9	14.1	17.5	24.4	22.6	24.6	28.6	24.0	26.8	29.4	24.2
5.5	5.8	6.5	7.2	7.9	8.1	9.3	10.4	10.7	9.2	7.7	5.5	4.3
10.4	10.4	4.9	2.3	2.2	1.4	1.2	1.1	0.8	0.7	0.6	0.6	0.7
14.8	17.3	17.2	10.7	8.2	6.5	6.5	5.3	4.8	4.6	4.6	5.3	6.2
59.4	66.0	66.8	67.0	77.3	72.7	57.1	61.1	57.8	53.0	47.6	51.1	46.7
232.2	**248.4**	**239.2**	**226.7**	**232.1**	**215.5**	**193.0**	**188.6**	**204.0**	**182.7**	**162.3**	**156.1**	**143.9**
4.8	4.9	4.2	3.8	3.6	3.0	2.7	2.3	3.1	2.6	1.2	2.6	6.6
73.3	67.8	56.5	51.8	52.9	40.9	33.1	30.0	27.4	27.1	23.9	21.3	24.2
23.5	25.1	22.2	21.0	21.1	21.2	19.9	12.6	11.8	13.0	11.4	9.1	10.4
101.5	**97.7**	**83.0**	**76.6**	**77.6**	**65.1**	**55.7**	**45.0**	**42.3**	**42.7**	**36.5**	**33.0**	**41.2**
26.8	29.3	31.7	32.1	23.0	27.3	33.5	33.5	31.6	31.7	35.7	37.4	49.1
55.6	60.1	62.6	66.2	72.6	76.1	74.8	69.4	68.4	75.2	74.7	83.1	91.8
^	^	^	^	^	^	^	^	^	^	^	^	^
56.5	58.4	58.1	63.4	75.2	82.5	86.8	91.5	101.7	96.8	97.0	92.6	90.0
138.8	**147.9**	**152.5**	**161.6**	**170.8**	**185.9**	**195.1**	**194.4**	**201.7**	**203.8**	**207.4**	**213.2**	**230.9**
8.5	9.0	10.6	12.3	16.1	15.1	16.9	17.6	14.6	14.9	13.5	14.0	15.3
-	-	-	-	-	-	-	-	-	-	-	-	-
31.4	27.1	26.8	26.2	26.8	29.6	29.4	29.5	31.8	32.9	35.3	36.8	39.4
39.9	**36.1**	**37.3**	**38.5**	**42.9**	**44.7**	**46.3**	**47.1**	**46.4**	**47.9**	**48.7**	**50.8**	**54.7**
2.5	2.8	2.5	2.0	1.8	1.8	1.9	2.2	2.1	1.5	2.1	2.9	3.0
48.2	55.1	50.4	47.1	53.4	50.3	47.3	48.5	50.7	54.8	65.5	50.5	37.9
15.7	16.8	19.8	20.9	21.0	24.8	29.2	26.8	27.9	31.1	28.3	25.4	19.1
11.2	8.6	9.2	12.0	9.5	9.8	12.5	13.2	16.3	17.4	18.6	17.3	17.7
281.1	248.7	237.3	208.9	192.4	193.2	179.4	151.0	170.2	182.6	167.2	182.6	152.3
9.7	10.9	11.1	11.7	11.3	5.0	2.9	3.4	5.2	3.4	2.8	2.7	2.3
37.6	29.6	29.8	28.1	10.5	11.9	32.5	33.9	28.7	28.0	25.8	23.5	21.2
26.0	31.1	27.1	28.8	30.1	31.4	30.7	25.7	20.7	19.4	17.5	17.2	19.9
21.0	24.0	25.6	21.7	18.5	15.9	9.7	2.7	2.1	2.5	5.7	7.8	7.9
2.0	1.3	1.5	2.2	3.7	3.3	4.5	4.8	4.4	2.7	1.7	2.2	1.4
57.1	63.8	69.0	75.4	72.7	71.1	71.3	71.1	63.2	48.6	49.5	50.8	58.0
512.2	**492.6**	**483.1**	**458.9**	**424.9**	**418.4**	**422.0**	**383.2**	**391.6**	**392.0**	**384.6**	**382.9**	**340.7**
1301.4	**1258.9**	**1244.7**	**1244.3**	**1294.9**	**1266.9**	**1244.1**	**1208.9**	**1189.4**	**1193.5**	**1169.9**	**1170.7**	**1065.8**
747.0	672.9	668.0	653.4	680.9	653.6	637.8	615.2	597.9	610.4	575.2	581.4	447.4
554.4	585.9	576.7	590.9	613.9	613.3	606.3	593.7	591.4	583.1	594.8	589.3	618.3
214.4	228.8	225.4	214.7	219.4	203.8	180.3	175.2	190.4	170.8	152.1	147.3	136.2

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**
12.1	9.8	9.8	6.9	6.0	6.2	6.5	4.6	5.0	4.8	3.9	3.8	**4.1**
51.5	52.9	48.8	43.8	48.8	55.7	47.7	32.5	31.2	33.5	38.9	35.7	**37.7**
70.7	49.7	41.9	39.9	32.5	24.9	29.2	32.5	30.4	26.0	23.0	27.1	**20.0**
134.4	**112.4**	**100.4**	**90.5**	**87.3**	**86.9**	**83.4**	**69.6**	**66.6**	**64.3**	**65.8**	**66.7**	**61.8**
11.0	14.4	14.3	16.7	19.0	19.2	20.8	19.1	22.0	20.7	11.7	6.7	**2.8**
13.3	17.5	14.4	15.7	14.2	18.8	25.5	34.1	28.3	14.6	15.2	12.2	**7.9**
110.5	111.7	116.8	104.4	111.9	114.3	111.2	105.9	107.0	104.5	93.4	95.1	**75.6**
134.7	**143.5**	**145.5**	**136.8**	**145.1**	**152.3**	**157.6**	**159.1**	**157.2**	**139.9**	**120.3**	**113.9**	**86.3**
10.0	9.7	10.1	8.7	7.2	7.6	7.2	5.7	6.2	5.8	5.6	5.2	**5.1**
35.4	31.5	26.0	21.7	19.9	18.9	15.5	14.2	13.4	12.1	11.5	11.0	**10.2**
2.2	2.1	1.5	1.3	1.4	1.1	1.2	1.9	1.4	1.3	1.2	1.3	**1.4**
2.8	2.7	2.7	2.9	2.5	2.0	1.8	1.6	2.1	2.3	2.0	1.8	**1.2**
18.8	18.3	20.1	17.1	15.2	15.3	13.9	14.1	17.2	16.8	15.8	14.5	**13.4**
6.5	7.5	4.8	2.2	0.9	1.6	1.7	2.1	2.2	1.9	1.2	0.3	**0.2**
0.6	1.0	1.7	0.8	0.6	0.5	0.4	0.2	0.7	1.6	1.3	0.7	**0.2**
5.0	6.7	6.0	4.8	3.1	2.9	2.1	1.9	2.0	1.9	1.6	1.7	**1.0**
43.2	39.8	35.6	33.0	26.8	25.7	21.8	20.9	20.7	21.5	21.7	19.5	**19.0**
124.7	**119.3**	**108.5**	**92.6**	**77.5**	**75.7**	**65.5**	**62.6**	**66.1**	**65.3**	**61.9**	**56.1**	**51.8**
7.2	3.1	0.9	0.6	0.5	0.7	0.5	0.9	1.0	1.7	0.8	0.8	**0.8**
17.3	16.1	16.0	9.3	27.5	28.1	8.7	10.7	10.1	11.0	6.9	6.8	**6.9**
6.3	3.7	7.2	1.9	1.7	2.1	0.7	0.9	2.4	3.7	2.0	0.9	**0.9**
30.7	**22.8**	**24.1**	**11.9**	**29.7**	**30.9**	**9.9**	**12.5**	**13.5**	**16.3**	**9.8**	**8.5**	**8.6**
45.7	67.4	65.1	49.5	83.6	81.2	103.4	63.6	56.3	39.7	28.9	86.0	**82.6**
101.7	103.5	123.2	139.2	139.1	145.8	145.9	168.8	183.7	178.5	166.5	158.8	**149.6**
^	^	^	^	^	^	^	^	^	^	^	^	**^**
98.3	100.4	103.7	105.9	111.9	129.6	126.1	141.2	137.9	135.3	145.5	147.5	**163.9**
245.7	**271.3**	**292.0**	**294.6**	**334.7**	**356.6**	**375.4**	**373.6**	**377.8**	**353.5**	**340.9**	**392.3**	**396.1**
15.8	17.9	20.7	21.0	18.2	21.4	27.0	31.9	36.4	34.2	28.1	28.8	**28.2**
1.2	0.1	^	0.2	0.7	1.9	3.6	3.7	3.9	^	0.1	1.2	**1.2**
41.3	44.7	47.0	44.2	38.9	45.7	49.0	49.1	52.5	53.0	51.8	49.3	**51.9**
58.2	**62.8**	**67.7**	**65.4**	**57.8**	**68.9**	**79.6**	**84.7**	**92.8**	**87.2**	**80.0**	**79.3**	**81.3**
3.5	3.7	3.2	3.1	2.9	3.6	4.7	5.9	6.2	5.6	5.2	5.4	**5.8**
28.1	18.8	12.1	14.9	12.1	10.9	10.0	9.5	9.7	10.4	9.9	5.5	**6.0**
13.4	15.3	13.1	10.8	9.4	10.1	10.7	11.3	9.1	9.3	10.1	8.5	**8.2**
18.3	20.8	19.9	19.1	22.9	21.6	20.7	23.1	32.1	23.2	18.9	18.1	**17.3**
182.7	170.0	104.5	101.2	160.9	205.6	165.0	121.5	103.6	92.2	69.5	66.2	**44.7**
2.7	2.5	2.7	2.5	9.4	6.6	3.0	3.5	1.7	1.2	1.7	1.3	**2.6**
22.5	13.6	18.1	16.8	14.9	19.3	19.4	13.0	12.4	16.8	9.6	10.1	**7.4**
16.8	15.0	9.4	11.1	9.5	7.6	6.8	8.0	12.0	11.9	12.7	8.2	**5.8**
3.0	1.0	0.5	0.6	1.3	1.4	1.4	1.7	0.9	0.5	0.3	0.2	**1.1**
2.7	1.6	1.8	2.5	0.7	0.1	0.7	0.7	0.7	0.7	0.5	0.2	**1.4**
63.1	63.6	68.6	69.5	68.0	81.5	53.3	68.7	61.8	71.8	60.6	49.9	**39.1**
356.7	**326.1**	**253.7**	**252.1**	**312.0**	**368.4**	**295.7**	**266.9**	**250.2**	**243.5**	**199.0**	**173.5**	**139.5**
1085.1	**1058.1**	**992.0**	**943.8**	**1044.1**	**1139.8**	**1067.2**	**1029.0**	**1024.3**	**969.9**	**877.6**	**890.4**	**825.3**
473.1	425.1	332.9	301.3	341.0	397.3	333.1	266.2	248.3	236.1	204.0	196.4	**164.9**
612.0	633.0	659.0	642.5	703.0	742.5	734.1	762.8	776.0	733.8	673.6	694.0	**660.4**
114.3	108.4	99.7	87.4	73.8	71.4	61.3	58.1	60.9	59.4	56.9	52.6	**49.1**

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Growth rate per annum		Share
2019	2008-18	2019
8.0%	-8.9%	0.5%
5.6%	-3.9%	4.6%
-26.4%	-5.9%	2.4%
-7.3%	**-5.1%**	**7.5%**
-58.7%	-7.4%	0.3%
-35.1%	-3.6%	1.0%
-20.5%	-1.6%	9.2%
-24.3%	**-2.3%**	**10.5%**
-2.1%	-6.0%	0.6%
-7.1%	-10.0%	1.2%
4.5%	-4.5%	0.2%
-32.7%	-4.1%	0.1%
-7.5%	-2.3%	1.6%
-48.7%	-26.9%	♦
-64.8%	-3.2%	♦
-38.1%	-12.9%	0.1%
-2.7%	-6.9%	2.3%
-7.7%	**-7.3%**	**6.3%**
0.6%	-12.4%	0.1%
1.5%	-8.2%	0.8%
-0.8%	-13.4%	0.1%
1.1%	**-9.4%**	**1.0%**
-4.0%	2.5%	10.0%
-5.8%	4.4%	18.1%
-	-0.2%	♦
11.2%	3.9%	19.9%
1.0%	**3.8%**	**48.0%**
-2.1%	4.9%	3.4%
-	23.7%	0.1%
5.2%	1.0%	6.3%
2.5%	**2.4%**	**9.8%**
6.6%	3.8%	0.7%
9.7%	-11.6%	0.7%
-3.4%	-5.7%	1.0%
-4.4%	-1.4%	2.1%
-32.4%	-9.0%	5.4%
106.6%	-6.7%	0.3%
-26.4%	-3.0%	0.9%
-30.2%	-5.8%	0.7%
534.8%	-16.0%	0.1%
567.0%	-18.1%	0.2%
-21.5%	-2.4%	4.7%
-19.6%	**-6.1%**	**16.9%**
-7.3%	**-1.7%**	**100.0%**
-16.0%	-7.4%	20.0%
-4.8%	0.9%	80.0%
-6.7%	-7.0%	5.9%

Electricity generation from gas*

Terawatt-hours	1985	1986	1987	1988	1989	1990	1991	1992
Canada	6.8	6.9	6.2	9.4	14.8	9.7	8.6	13.1
Mexico	7.2	7.7	9.0	8.3	9.8	13.2	18.9	18.8
US	313.9	267.2	293.1	271.8	379.2	400.8	410.3	434.5
Total North America	**327.9**	**281.8**	**308.3**	**289.6**	**403.8**	**423.7**	**437.8**	**466.4**
Argentina	12.5	13.3	12.6	20.6	24.3	19.8	21.0	20.4
Brazil	-	-	-	^	0.2	0.3	0.4	0.4
Other S. & Cent. America	26.8	27.8	27.1	28.4	24.8	26.8	28.3	29.5
Total S. & Cent. America	**39.3**	**41.1**	**39.7**	**49.0**	**49.3**	**47.0**	**49.7**	**50.3**
Germany	28.0	29.8	33.0	33.1	38.6	35.9	36.3	33.0
Italy	24.7	26.9	31.7	32.4	34.4	39.1	35.9	35.2
Netherlands	38.2	41.5	41.3	36.4	39.9	36.5	41.0	43.5
Poland	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Spain	2.5	2.1	1.5	1.4	1.4	1.5	1.4	1.7
Turkey	0.1	1.3	2.5	3.2	9.5	10.2	12.6	10.8
Ukraine	49.0	51.6	52.1	50.2	51.5	49.9	46.4	42.2
United Kingdom	2.9	1.7	4.5	4.8	4.9	5.0	5.8	12.6
Other Europe	77.5	74.2	73.1	77.1	83.6	76.9	74.3	65.9
Total Europe	**222.9**	**229.2**	**239.9**	**238.8**	**264.0**	**255.1**	**253.8**	**245.0**
Kazakhstan	8.7	9.2	9.5	9.3	9.4	9.1	8.6	8.7
Russian Federation	451.3	469.8	487.9	494.2	501.0	511.6	501.3	460.2
Other CIS	94.9	103.7	105.2	102.1	110.4	110.4	104.8	99.5
Total CIS	**554.9**	**582.7**	**602.6**	**605.6**	**620.8**	**631.1**	**614.8**	**568.4**
Iran	13.7	15.8	13.5	20.0	26.4	30.3	35.0	37.2
Saudi Arabia	29.8	30.8	33.1	34.6	38.8	40.7	42.8	43.9
United Arab Emirates	12.2	12.8	13.7	14.8	15.6	17.1	17.2	18.7
Other Middle East	15.2	18.3	19.3	23.5	27.2	26.8	20.6	28.6
Total Middle East	**70.9**	**77.7**	**79.6**	**93.0**	**108.0**	**114.9**	**115.6**	**128.3**
Egypt	9.2	10.3	11.7	13.2	13.7	16.4	20.4	22.9
South Africa	-	-	-	-	-	-	-	-
Other Africa	18.7	18.1	19.9	20.9	23.2	26.2	25.2	27.6
Total Africa	**27.9**	**28.3**	**31.6**	**34.0**	**36.9**	**42.6**	**45.6**	**50.5**
Australia	11.5	13.8	14.0	14.7	15.1	12.6	11.2	12.0
China	1.0	1.7	2.7	2.1	3.7	2.8	2.4	2.5
India	2.2	3.7	4.2	3.6	7.3	10.0	13.4	16.3
Indonesia	1.8	1.9	2.2	2.6	3.0	3.4	4.3	3.2
Japan	128.0	130.8	135.0	141.9	149.6	172.9	184.3	184.2
Malaysia	2.2	2.9	3.3	4.0	4.1	5.5	7.7	12.7
South Korea	0.1	0.1	9.5	11.1	9.9	12.4	13.2	19.5
Taiwan	-	-	-	-	^	1.1	2.7	2.8
Thailand	10.7	10.3	15.6	18.7	19.2	17.8	19.1	22.9
Vietnam	0.1	0.1	0.1	0.1	^	^	^	^
Other Asia Pacific	21.0	22.9	24.6	27.9	29.6	32.2	35.3	37.8
Total Asia Pacific	**178.5**	**187.9**	**211.3**	**226.7**	**241.6**	**270.6**	**293.7**	**313.9**
Total World	**1422.4**	**1428.8**	**1512.9**	**1536.5**	**1724.4**	**1785.1**	**1811.1**	**1822.9**
of which: OECD	610.0	571.3	624.5	613.2	757.9	799.7	832.1	863.0
Non-OECD	812.3	857.5	888.4	923.4	966.5	985.3	979.0	959.9
European Union	169.0	171.3	181.4	181.3	198.1	190.1	190.7	186.7

* Based on gross output.

♦ Less than 0.05%

Notes: Annual changes and share of total are calculated using terawatt-hours figures.

Contents

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
15.3	15.4	20.0	18.6	22.8	26.4	27.9	35.4	41.8	38.4	38.3	40.0	40.1
19.1	21.4	22.4	21.2	23.1	30.0	32.9	40.3	50.9	69.6	80.6	92.4	86.5
446.2	494.9	533.4	489.3	515.5	571.2	598.3	646.3	687.2	743.0	698.8	763.5	818.2
480.5	**531.7**	**575.8**	**529.1**	**561.4**	**627.7**	**659.1**	**722.0**	**779.9**	**851.0**	**817.7**	**895.9**	**944.9**
22.3	22.1	24.9	29.4	26.9	28.0	40.2	43.3	38.1	34.8	42.3	50.2	50.2
0.4	0.5	0.6	1.0	1.2	1.3	2.7	4.1	9.9	12.4	13.1	19.3	18.8
31.5	31.9	36.6	37.3	40.8	47.5	42.2	49.3	58.1	58.2	61.2	64.5	64.7
54.2	**54.4**	**62.0**	**67.6**	**68.8**	**76.8**	**85.1**	**96.7**	**106.2**	**105.4**	**116.7**	**134.0**	**133.7**
32.8	36.1	41.1	45.6	48.1	50.7	51.8	49.2	55.5	56.3	62.9	63.0	72.7
39.6	40.4	46.4	49.7	60.6	70.2	86.2	101.4	104.2	99.4	117.3	129.8	149.3
44.1	43.5	42.0	47.1	50.7	52.1	52.6	52.5	54.4	55.1	56.2	60.5	58.2
0.1	0.1	0.3	0.3	0.2	0.3	0.6	0.9	1.4	2.2	2.4	3.2	5.2
1.2	3.2	3.8	6.8	18.2	16.2	19.1	20.2	23.4	32.4	39.4	55.5	79.0
10.8	13.8	16.6	17.2	22.1	24.8	36.3	46.2	49.5	52.5	63.5	62.2	73.4
38.9	34.3	32.7	33.3	31.0	29.2	30.3	29.9	30.4	30.5	34.2	37.5	34.2
34.0	53.3	63.7	84.1	111.0	117.8	142.9	148.1	141.9	152.3	148.9	157.1	152.6
65.9	70.4	73.1	81.3	74.0	85.7	103.0	108.8	116.9	132.2	146.0	151.5	154.4
267.5	**295.2**	**319.7**	**365.3**	**415.8**	**447.2**	**522.8**	**557.2**	**577.5**	**612.9**	**670.8**	**720.3**	**779.1**
7.8	5.4	5.5	4.8	4.2	4.1	4.1	5.5	5.9	6.2	6.8	7.1	7.3
429.2	363.7	353.5	364.1	356.9	346.5	358.6	370.4	376.7	384.8	406.8	422.6	440.1
89.3	79.5	76.2	74.9	79.4	76.7	78.2	80.9	89.8	90.6	90.8	99.5	101.5
526.2	**448.6**	**435.2**	**443.8**	**440.5**	**427.3**	**441.0**	**456.8**	**472.4**	**481.6**	**504.4**	**529.2**	**548.9**
40.3	47.2	46.6	49.1	58.9	71.8	77.2	81.6	89.5	98.0	109.9	114.6	124.6
47.9	50.5	49.8	49.5	52.9	53.6	54.9	63.8	76.7	86.5	91.4	98.7	107.9
21.7	23.7	25.0	26.6	28.5	33.4	37.1	39.9	43.2	46.9	49.4	52.4	60.7
36.4	38.9	40.6	46.0	46.8	46.5	46.6	49.7	52.4	52.8	56.7	66.5	80.8
146.2	**160.4**	**162.0**	**171.1**	**187.1**	**205.2**	**215.7**	**235.1**	**261.7**	**284.2**	**307.3**	**332.2**	**374.0**
26.2	29.3	30.5	31.5	32.7	32.5	37.2	42.2	48.5	57.5	64.0	71.5	77.8
-	-	-	-	-	-	-	-	-	-	^	^	0.1
29.0	32.8	35.9	38.5	43.2	44.8	48.9	49.7	52.5	58.5	60.0	66.7	74.8
55.1	**62.1**	**66.3**	**70.0**	**75.8**	**77.3**	**86.1**	**91.8**	**101.0**	**116.0**	**124.0**	**138.2**	**152.7**
12.2	13.6	13.7	11.9	12.2	14.5	16.1	16.8	24.5	30.6	30.1	27.4	23.3
3.1	3.2	3.0	2.8	8.1	6.1	4.8	5.8	4.9	4.2	5.2	7.5	12.1
17.9	21.9	29.4	32.0	40.2	50.2	59.0	56.0	55.9	62.9	72.8	76.6	75.5
4.3	12.3	20.7	21.9	29.6	31.1	33.5	31.9	33.1	32.8	33.7	37.0	41.1
182.3	199.1	201.2	212.9	219.7	230.1	244.7	253.8	251.7	248.6	269.3	254.1	249.9
15.5	19.4	25.4	33.0	41.6	44.7	51.1	55.9	60.1	60.0	60.4	63.9	63.9
18.9	17.9	29.2	34.8	42.0	27.9	29.9	29.4	33.3	42.5	45.0	62.7	64.0
2.4	5.2	5.6	6.0	9.0	14.3	15.4	17.7	20.5	26.2	28.4	36.2	38.9
28.0	31.5	33.9	36.4	44.6	49.0	53.8	61.1	71.2	78.9	85.7	90.3	94.5
^	^	0.7	1.1	2.0	3.4	3.6	4.4	4.4	8.3	12.0	19.5	22.3
41.9	41.0	44.3	50.5	59.9	61.6	65.1	67.1	79.3	95.4	113.5	125.4	134.3
326.6	**365.0**	**407.1**	**443.3**	**508.7**	**532.9**	**577.1**	**599.7**	**639.1**	**690.5**	**756.1**	**800.5**	**819.8**
1856.4	**1917.4**	**2028.1**	**2090.3**	**2258.3**	**2394.4**	**2586.9**	**2759.3**	**2937.8**	**3141.6**	**3297.1**	**3550.3**	**3753.0**
901.7	1002.2	1088.7	1103.9	1215.4	1315.3	1445.3	1553.7	1647.3	1763.2	1809.0	1935.1	2041.6
954.7	915.2	939.4	986.3	1042.9	1079.1	1141.6	1205.7	1290.5	1378.4	1488.1	1615.2	1711.3
213.5	242.1	267.8	312.3	360.2	390.5	453.7	477.9	494.5	527.6	570.5	617.6	668.5

2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
43.3	45.0	38.6	44.1	51.3	60.7	61.5	58.6	62.5	68.6	63.7	58.8	64.1
116.1	128.8	131.3	138.2	143.8	151.7	153.6	165.5	174.0	186.2	192.3	193.6	194.6
877.9	964.1	949.4	990.3	1062.0	1090.0	1318.2	1209.5	1211.4	1433.9	1482.1	1394.0	1579.3
1037.3	**1137.9**	**1119.3**	**1172.5**	**1257.1**	**1302.4**	**1533.4**	**1433.6**	**1448.0**	**1688.6**	**1738.0**	**1646.4**	**1838.0**
50.2	53.2	58.9	55.1	56.2	59.0	67.5	65.8	66.8	68.4	74.8	80.6	84.9
18.3	15.5	28.8	13.3	36.5	25.1	46.8	69.0	81.1	79.5	56.5	65.6	54.6
63.2	64.4	62.9	71.3	84.3	82.6	89.9	96.5	100.1	113.6	120.2	106.4	104.0
131.6	**133.2**	**150.6**	**139.8**	**177.0**	**166.7**	**204.1**	**231.3**	**247.9**	**261.5**	**251.5**	**252.6**	**243.5**
75.3	78.1	89.1	80.9	89.3	86.1	76.4	67.5	61.1	62.0	81.3	86.7	82.5
158.1	172.6	172.7	147.3	152.7	144.5	129.1	108.9	93.6	110.9	126.1	140.3	128.5
57.1	60.9	64.6	68.5	73.6	67.9	54.1	54.0	51.0	45.9	52.6	57.9	57.7
4.6	4.5	4.7	4.8	4.8	5.8	6.3	5.3	5.3	6.4	7.8	10.0	12.6
90.6	94.8	120.8	109.6	97.2	84.5	73.3	57.1	47.3	52.5	52.8	64.0	58.0
80.7	95.0	98.7	96.1	98.1	104.0	104.5	105.1	120.6	99.2	89.2	110.5	92.5
24.5	22.4	19.3	11.7	15.7	18.5	16.0	14.0	12.7	10.1	9.8	7.4	9.0
140.8	165.8	176.2	166.5	175.7	146.5	100.2	95.8	100.9	99.9	143.1	136.8	131.5
160.4	166.0	166.0	162.2	179.0	174.0	148.4	124.9	102.8	124.2	151.4	172.2	157.5
792.0	**860.1**	**912.0**	**847.5**	**886.1**	**832.0**	**708.3**	**632.6**	**595.3**	**611.0**	**714.2**	**786.0**	**729.9**
8.0	5.0	8.2	12.9	7.3	7.9	14.6	15.3	18.0	16.6	19.3	19.6	20.7
455.2	489.1	494.4	469.8	520.5	521.3	526.1	530.0	534.8	529.8	521.8	516.5	511.1
106.0	108.0	117.3	104.5	114.2	118.5	120.9	123.2	131.2	132.5	133.0	135.4	148.6
569.3	**602.1**	**620.0**	**587.2**	**642.1**	**647.7**	**661.7**	**668.5**	**684.0**	**678.9**	**674.2**	**671.5**	**680.4**
125.1	138.8	135.1	149.4	175.4	140.5	153.0	135.8	192.7	206.4	223.7	251.2	209.0
104.5	102.7	100.7	94.1	100.9	111.0	125.8	138.1	143.0	154.7	167.0	188.5	200.0
62.4	78.8	80.5	85.7	93.9	99.1	106.2	109.9	116.2	127.0	129.2	133.8	134.7
98.9	106.7	125.6	139.5	156.4	149.8	143.6	161.2	171.0	191.3	214.6	226.9	238.0
391.0	**426.9**	**441.8**	**468.7**	**526.6**	**500.4**	**528.6**	**545.0**	**622.9**	**679.5**	**734.5**	**800.3**	**781.6**
82.9	89.2	94.9	98.8	109.1	116.6	126.6	123.2	124.6	129.8	138.2	149.3	153.7
^	0.1	0.1	^	0.8	0.9	1.8	3.0	3.1	4.0	1.7	1.9	1.9
81.5	85.5	89.5	93.7	108.4	118.2	132.9	142.3	149.4	158.9	167.0	175.7	175.8
164.4	**174.8**	**184.5**	**192.5**	**218.3**	**235.7**	**261.2**	**268.5**	**277.1**	**292.7**	**306.9**	**326.9**	**331.3**
27.3	33.4	36.3	41.1	46.8	48.8	49.8	52.7	53.7	50.9	48.5	55.3	51.4
23.8	33.9	34.6	56.6	77.7	108.8	110.3	116.4	133.3	166.9	188.3	203.2	215.5
74.7	90.0	85.9	104.4	118.0	117.6	96.3	66.3	64.0	64.8	72.6	73.5	73.9
40.4	41.9	47.2	50.3	55.3	57.4	54.0	57.7	60.5	52.9	59.3	55.7	57.3
276.6	292.8	322.2	322.2	321.9	375.2	430.9	419.7	447.7	414.0	394.5	401.5	386.9
67.4	67.9	71.5	67.3	65.2	55.7	61.0	71.2	73.8	70.0	65.2	62.1	64.8
74.3	83.9	81.0	70.6	102.9	114.1	126.7	139.5	128.2	119.7	127.2	133.8	160.9
40.1	45.0	48.5	47.3	60.2	64.2	66.3	68.4	73.1	79.0	83.3	91.5	92.4
94.4	98.2	104.5	106.3	118.4	108.3	119.4	119.2	120.3	128.5	126.1	121.0	116.3
24.5	26.6	31.1	36.4	44.7	39.7	40.4	41.7	43.4	47.1	44.8	39.5	40.1
137.3	140.9	143.3	143.0	152.8	150.9	164.2	151.4	167.3	182.1	194.4	204.9	218.2
880.8	**954.8**	**1005.9**	**1045.4**	**1164.1**	**1240.5**	**1319.2**	**1304.2**	**1365.2**	**1375.8**	**1404.4**	**1441.9**	**1477.7**
3966.3	**4289.8**	**4434.3**	**4453.6**	**4871.3**	**4925.4**	**5216.5**	**5083.7**	**5240.5**	**5588.0**	**5823.7**	**5925.6**	**6082.5**
2195.4	2394.6	2462.9	2461.0	2629.0	2679.9	2847.8	2694.4	2693.2	2909.8	3054.5	3056.8	3201.2
1770.8	1895.2	1971.4	1992.6	2242.3	2245.6	2368.7	2389.3	2547.2	2678.2	2769.2	2868.8	2881.3
683.1	738.8	790.7	733.1	764.8	701.3	580.6	507.4	456.0	495.3	608.1	660.7	621.2

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	Growth rate per annum		Share
2019	2019	2008-18	2019
69.3	8.0%	5.2%	1.1%
205.6	5.7%	4.0%	3.3%
1700.9	7.7%	5.2%	27.0%
1975.8	**7.5%**	**5.1%**	**31.4%**
82.3	-3.1%	3.7%	1.3%
58.9	7.8%	6.6%	0.9%
103.8	-0.2%	5.2%	1.6%
245.0	**0.6%**	**4.9%**	**3.9%**
91.0	10.3%	-0.8%	1.4%
126.5	-1.6%	-2.9%	2.0%
71.0	23.0%	-1.1%	1.1%
14.8	17.0%	10.4%	0.2%
86.0	48.2%	-7.1%	1.4%
58.1	-37.2%	-0.6%	0.9%
9.2	1.8%	-7.3%	0.1%
132.5	0.7%	-2.9%	2.1%
179.1	13.7%	-0.5%	2.8%
768.1	**5.2%**	**-2.2%**	**12.2%**
20.8	0.6%	9.7%	0.3%
519.5	1.7%	0.3%	8.2%
152.7	2.7%	2.4%	2.4%
693.0	**1.9%**	**0.9%**	**11.0%**
199.5	-4.5%	4.5%	3.2%
206.0	3.0%	7.1%	3.3%
133.9	-0.6%	5.3%	2.1%
253.5	6.5%	6.6%	4.0%
792.9	**1.4%**	**5.9%**	**12.6%**
152.5	-0.8%	4.9%	2.4%
1.9	0.5%	35.9%	♦
186.1	5.9%	7.0%	3.0%
340.5	**2.8%**	**6.0%**	**5.4%**
54.4	5.8%	3.5%	0.9%
236.5	9.7%	20.1%	3.8%
71.0	-3.9%	-1.5%	1.1%
51.6	-9.9%	2.0%	0.8%
362.4	-6.3%	1.8%	5.8%
68.6	5.8%	-1.0%	1.1%
150.8	-6.3%	7.1%	2.4%
91.1	-1.4%	6.7%	1.4%
121.8	4.8%	1.1%	1.9%
43.1	7.6%	2.6%	0.7%
231.4	6.1%	4.3%	3.7%
1482.6	**0.3%**	**3.9%**	**23.5%**
6297.9	**3.5%**	**3.2%**	**100.0%**
3347.5	4.6%	2.7%	53.2%
2950.4	2.4%	3.9%	46.8%
692.2	11.4%	-2.4%	11.0%

Electricity generation from coal*

Terawatt-hours	1985	1986	1987	1988	1989	1990	1991	1992
Canada	79.4	71.6	84.2	91.8	91.7	82.2	88.5	90.0
Mexico	3.9	6.4	7.3	8.1	7.9	7.8	9.2	9.5
US	1507.7	1490.1	1574.0	1656.6	1711.4	1725.2	1722.5	1757.5
Total North America	**1591.0**	**1568.1**	**1665.5**	**1756.4**	**1811.1**	**1815.2**	**1820.3**	**1857.1**
Argentina	0.6	1.0	1.0	1.6	0.9	0.7	0.9	0.8
Brazil	4.9	6.2	5.4	4.7	5.4	4.6	5.5	5.0
Other S. & Cent. America	5.4	4.7	5.2	6.5	9.0	10.3	8.5	7.7
Total S. & Cent. America	**11.0**	**11.9**	**11.6**	**12.8**	**15.3**	**15.6**	**15.0**	**13.6**
Germany	312.9	315.3	308.5	310.4	313.1	311.7	308.1	296.4
Italy	30.0	31.0	33.0	33.9	31.9	35.6	32.0	24.8
Netherlands	14.8	15.1	16.9	22.3	22.2	27.5	25.2	25.2
Poland	131.5	134.3	139.6	138.2	139.7	131.0	129.2	127.2
Spain	54.6	54.8	54.7	43.1	59.6	60.7	59.7	65.1
Turkey	15.0	19.4	17.7	12.5	20.3	20.2	21.6	24.6
Ukraine	111.9	118.0	119.2	114.8	117.6	114.0	106.7	105.8
United Kingdom	177.2	201.4	209.9	203.4	199.9	206.4	211.5	193.6
Other Europe	291.4	285.8	292.4	294.9	305.6	311.3	315.2	296.2
Total Europe	**1139.3**	**1175.2**	**1192.0**	**1173.3**	**1209.9**	**1218.5**	**1209.1**	**1159.0**
Kazakhstan	59.1	62.4	64.3	63.2	63.9	62.1	62.1	59.8
Russian Federation	138.4	144.0	149.6	151.5	153.6	156.9	154.7	154.1
Other CIS	10.2	11.0	11.0	10.3	11.0	11.2	10.5	7.5
Total CIS	**207.6**	**217.4**	**224.8**	**225.1**	**228.5**	**230.2**	**227.4**	**221.4**
Iran	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Saudi Arabia	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-
Other Middle East	8.4	8.9	9.1	9.0	9.7	10.5	11.3	14.0
Total Middle East	**8.5**	**9.0**	**9.2**	**9.1**	**9.8**	**10.5**	**11.4**	**14.1**
Egypt	-	-	-	-	-	-	-	-
South Africa	135.4	136.0	142.8	143.0	148.5	155.9	155.4	156.7
Other Africa	4.1	6.1	9.5	9.4	8.7	8.7	9.4	8.7
Total Africa	**139.5**	**142.1**	**152.2**	**152.4**	**157.2**	**164.7**	**164.8**	**165.4**
Australia	89.4	92.6	100.3	106.0	113.6	123.4	127.2	130.0
China	260.6	299.6	339.9	373.7	405.1	441.3	498.4	567.3
India	116.0	129.9	152.8	164.7	185.0	191.6	214.1	229.4
Indonesia	5.2	5.3	6.2	7.6	8.5	9.8	11.0	11.4
Japan	99.3	98.8	107.3	112.2	116.9	119.3	125.6	132.0
Malaysia	-	-	-	0.3	2.2	2.9	3.5	3.8
South Korea	24.8	25.0	23.6	29.6	30.6	33.5	36.8	42.4
Taiwan	13.9	19.7	21.9	22.3	26.7	25.5	30.0	38.3
Thailand	5.3	5.5	6.7	6.8	7.9	11.1	13.8	14.8
Vietnam	2.3	2.7	3.1	3.4	2.7	2.0	1.4	0.9
Other Asia Pacific	33.8	35.5	40.2	43.5	46.3	45.5	47.5	49.8
Total Asia Pacific	**650.7**	**714.6**	**802.0**	**870.0**	**945.4**	**1005.8**	**1109.3**	**1220.0**
Total World	**3747.6**	**3838.3**	**4057.3**	**4199.2**	**4377.1**	**4460.4**	**4557.4**	**4650.6**
of which: OECD	2762.2	2768.5	2892.0	2983.5	3085.4	3128.5	3152.8	3162.7
Non-OECD	985.4	1069.8	1165.3	1215.7	1291.7	1331.9	1404.5	1487.9
European Union	969.7	994.9	1010.0	998.7	1022.5	1040.2	1042.8	996.3

* Based on gross output.

♦ Less than 0.05%

Notes: Annual changes and share of total are calculated using terawatt-hours figures.

Contents

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
82.4	86.7	91.6	89.6	96.9	106.0	106.2	114.9	110.5	109.4	108.4	98.7	101.6
11.6	14.3	15.5	18.5	18.4	18.7	18.6	19.1	23.2	26.1	30.9	23.8	32.8
1831.2	1832.3	1853.0	1945.8	1998.2	2029.0	2037.9	2129.3	2057.0	2091.0	2139.1	2143.6	2178.9
1925.2	**1933.2**	**1960.1**	**2053.9**	**2113.6**	**2153.7**	**2162.7**	**2263.3**	**2190.6**	**2226.5**	**2278.4**	**2266.1**	**2313.3**
1.2	2.3	1.9	1.9	1.9	1.8	2.1	1.8	1.4	0.8	0.9	1.7	2.2
4.9	5.0	5.4	6.0	7.3	7.0	10.1	11.3	11.5	9.5	9.5	10.9	11.5
8.2	8.4	10.9	11.7	12.7	14.1	15.6	13.1	10.1	12.7	15.9	18.0	17.6
14.2	**15.7**	**18.2**	**19.6**	**21.9**	**22.9**	**27.8**	**26.2**	**23.0**	**23.0**	**26.3**	**30.5**	**31.3**
293.7	290.7	289.7	297.0	284.8	292.8	279.1	291.4	293.2	292.5	304.6	298.8	288.1
18.4	22.9	27.6	25.3	24.8	27.8	28.2	30.5	36.8	40.5	44.1	50.9	49.4
24.2	27.0	30.0	28.5	27.4	25.8	20.8	23.4	24.9	25.0	25.9	24.4	23.1
128.3	129.4	133.0	136.8	136.3	136.0	135.1	137.9	137.1	135.0	142.8	143.2	143.5
63.4	62.6	67.1	54.7	64.0	63.2	75.4	80.9	71.7	82.5	76.0	80.3	80.8
23.8	28.2	28.0	30.4	33.9	35.7	37.0	38.2	38.4	32.1	32.3	34.4	43.2
87.6	77.1	70.2	56.4	55.2	50.2	53.9	51.5	53.2	54.6	54.6	45.1	50.0
171.2	161.3	155.2	147.3	122.0	123.0	106.2	119.9	131.5	124.3	138.5	131.8	134.6
281.5	291.4	292.9	317.5	303.1	300.1	282.5	299.5	301.6	303.7	332.8	314.6	302.3
1092.0	**1090.6**	**1093.8**	**1093.7**	**1051.4**	**1054.5**	**1018.2**	**1073.3**	**1088.3**	**1090.2**	**1151.6**	**1123.6**	**1115.1**
55.3	47.1	48.0	42.3	37.2	35.9	34.1	35.9	39.1	40.1	45.8	50.6	50.2
148.4	162.5	160.3	160.6	157.0	163.0	161.3	175.6	168.8	170.4	172.2	160.9	165.7
8.1	8.3	4.2	4.0	3.3	3.3	2.6	2.7	2.7	2.7	2.3	2.9	2.2
211.8	**217.8**	**212.5**	**207.0**	**197.5**	**202.1**	**198.0**	**214.2**	**210.6**	**213.2**	**220.4**	**214.3**	**218.1**
0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.5	0.5	0.5	0.5	0.5	0.6
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
16.0	17.0	18.7	22.4	24.8	26.4	26.2	29.2	32.9	35.1	36.1	36.9	36.1
16.1	**17.1**	**18.8**	**22.5**	**24.9**	**26.5**	**26.6**	**29.7**	**33.4**	**35.6**	**36.5**	**37.4**	**36.7**
-	-	-	-	-	-	-	-	-	-	-	-	-
166.0	169.4	173.6	184.7	192.9	187.5	186.7	193.2	195.3	204.0	217.3	226.2	228.9
10.0	10.4	13.3	12.6	13.2	14.2	13.1	15.0	19.1	18.9	17.7	19.0	19.9
176.0	**179.8**	**186.9**	**197.3**	**206.0**	**201.7**	**199.8**	**208.2**	**214.4**	**222.9**	**235.0**	**245.2**	**248.8**
133.3	136.9	141.9	148.4	157.5	165.9	171.2	180.3	179.9	171.9	173.6	179.0	183.0
589.2	693.4	741.9	824.2	867.0	891.7	969.7	1060.3	1129.1	1282.6	1520.0	1722.4	1980.1
252.8	264.6	296.3	312.2	325.8	336.5	365.4	390.2	408.3	426.7	441.5	463.0	478.5
10.7	12.8	14.4	16.7	20.5	22.4	26.3	34.0	37.7	42.9	46.5	48.2	51.8
140.2	156.8	168.6	178.4	188.1	192.2	211.6	233.9	249.2	260.1	288.0	291.1	315.1
3.9	4.1	4.0	4.2	2.5	3.7	4.5	4.0	6.2	9.6	13.4	22.6	25.2
53.5	65.1	71.5	80.9	93.7	102.8	110.8	113.8	126.1	136.0	137.7	142.3	149.2
45.9	49.3	51.5	61.2	66.1	70.4	74.1	87.3	95.3	102.9	112.3	115.3	120.0
13.5	14.1	15.2	17.6	19.0	16.6	16.6	18.2	20.3	19.3	19.3	20.4	20.6
0.6	1.1	2.0	2.4	3.3	3.5	2.9	3.1	3.2	4.9	7.2	7.2	11.0
48.2	40.3	41.8	39.9	36.9	40.2	40.7	49.4	53.4	51.6	57.5	57.4	60.2
1291.8	**1438.5**	**1549.1**	**1686.1**	**1780.5**	**1845.9**	**1993.9**	**2174.5**	**2308.7**	**2508.4**	**2816.9**	**3068.9**	**3394.9**
4727.1	**4892.8**	**5039.4**	**5280.0**	**5395.7**	**5507.3**	**5626.9**	**5989.4**	**6069.0**	**6319.8**	**6765.1**	**6986.0**	**7358.1**
3210.1	3261.3	3323.0	3463.6	3512.3	3587.5	3599.3	3780.4	3745.2	3798.7	3937.0	3925.7	3992.3
1517.0	1631.5	1716.4	1816.4	1883.4	1919.8	2027.6	2209.0	2323.8	2521.1	2828.2	3060.3	3365.8
951.7	955.8	965.2	976.6	926.2	931.4	896.3	948.5	960.7	967.7	1025.5	1005.1	981.1

2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
94.4	104.6	98.3	82.5	84.0	77.6	67.5	68.6	66.2	62.1	62.3	60.1	50.6
31.7	31.6	21.3	29.4	32.4	33.8	34.2	31.7	33.8	33.8	34.4	30.9	29.0
2155.6	2182.7	2147.9	1899.5	1998.5	1876.3	1640.8	1713.9	1713.7	1468.3	1346.2	1310.0	1246.7
2281.7	**2318.8**	**2267.5**	**2011.4**	**2114.9**	**1987.7**	**1742.5**	**1814.3**	**1813.7**	**1564.2**	**1442.9**	**1401.0**	**1326.3**
2.0	2.3	1.9	1.8	3.0	2.9	2.6	2.4	2.5	2.4	1.9	2.1	2.1
11.2	11.3	12.2	10.3	11.7	13.2	14.8	22.3	27.3	27.4	26.1	25.8	23.7
23.2	26.3	26.5	27.2	29.6	32.5	39.5	48.0	45.2	45.3	49.7	42.0	44.6
36.4	**39.9**	**40.6**	**39.3**	**44.3**	**48.6**	**56.9**	**72.7**	**75.1**	**75.1**	**77.7**	**69.9**	**70.4**
288.9	297.1	275.2	253.4	262.9	262.5	277.1	288.2	274.4	272.2	261.7	241.9	228.2
50.5	49.8	48.6	43.4	44.5	50.2	54.1	48.5	46.6	45.4	38.4	35.1	31.0
23.1	24.6	22.5	23.4	21.9	20.8	24.2	24.6	28.8	39.5	36.7	31.3	27.5
148.9	146.0	140.6	134.9	138.4	141.6	136.4	139.8	131.6	133.0	132.9	133.8	133.3
68.0	74.1	50.0	36.9	24.2	44.9	56.0	41.6	45.3	52.7	37.4	46.3	38.7
46.6	53.4	57.7	55.7	55.0	66.2	68.0	63.8	76.3	76.2	92.3	97.5	113.2
64.9	70.0	70.6	65.2	69.8	74.5	80.4	81.0	70.5	56.1	61.2	49.3	52.1
148.9	135.9	124.4	103.0	107.6	108.4	142.8	130.3	100.2	75.9	30.7	22.5	16.8
318.7	323.1	306.3	288.4	291.9	293.3	277.9	270.8	242.6	241.6	232.6	232.6	215.8
1158.5	**1174.0**	**1096.0**	**1004.3**	**1016.1**	**1062.4**	**1117.0**	**1088.5**	**1016.2**	**992.5**	**924.0**	**890.4**	**856.6**
49.3	56.2	61.6	58.1	66.7	70.2	67.6	69.0	67.5	64.6	61.6	71.1	79.6
177.8	170.7	196.6	164.4	166.1	165.0	169.2	161.9	158.7	158.6	171.5	173.8	190.3
2.8	2.7	2.7	2.9	2.3	2.5	3.1	4.8	4.6	5.2	3.9	3.4	4.1
229.9	**229.7**	**260.9**	**225.4**	**235.0**	**237.7**	**239.9**	**235.6**	**230.7**	**228.3**	**236.9**	**248.3**	**274.0**
0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
35.7	37.2	35.4	34.4	34.3	35.2	38.8	32.2	30.2	29.2	24.2	22.1	20.6
36.3	**37.8**	**35.7**	**34.7**	**34.6**	**35.6**	**39.2**	**32.6**	**30.7**	**29.7**	**24.7**	**22.7**	**21.3**
-	-	-	-	-	-	-	-	-	-	-	-	-
237.5	244.6	240.5	232.0	240.5	241.5	236.7	230.7	226.6	220.0	223.2	221.4	224.6
18.4	17.9	17.0	15.7	16.8	18.5	18.8	20.6	25.2	26.8	26.6	28.4	32.0
255.9	**262.5**	**257.5**	**247.7**	**257.3**	**260.0**	**255.5**	**251.3**	**251.9**	**246.8**	**249.8**	**249.7**	**256.6**
185.8	185.5	184.2	182.0	176.0	172.0	165.4	155.4	155.2	162.2	162.3	159.1	156.5
2302.4	2656.7	2708.9	2911.5	3233.6	3690.9	3748.2	4077.4	4203.1	4046.2	4156.4	4430.0	4765.0
505.5	533.3	573.1	611.1	643.0	701.3	787.1	848.0	949.9	1006.6	1073.6	1117.6	1167.3
58.7	63.9	61.5	65.9	68.5	81.1	102.2	111.3	119.5	124.7	135.4	148.0	160.0
307.5	313.0	331.0	309.6	312.7	281.6	330.8	359.2	353.1	346.7	337.0	331.9	323.0
26.6	30.9	31.0	37.6	49.4	52.3	55.6	53.7	55.8	63.5	69.2	68.9	73.5
152.7	169.8	189.7	208.1	215.0	217.6	217.1	217.7	218.4	225.5	226.5	250.8	250.9
124.0	128.4	122.2	120.7	122.3	124.5	122.4	121.5	123.4	117.1	121.2	127.9	131.2
24.5	30.9	30.8	29.8	29.8	31.7	34.6	35.4	37.6	34.6	37.1	35.7	35.8
12.2	12.4	12.3	12.4	15.9	19.9	21.3	24.0	34.9	52.7	63.9	62.5	83.9
61.6	63.7	63.0	63.4	65.6	70.7	75.4	81.0	86.0	89.0	103.3	121.8	138.9
3761.5	**4188.3**	**4307.8**	**4552.3**	**4931.8**	**5443.5**	**5660.0**	**6084.5**	**6336.9**	**6268.6**	**6485.9**	**6854.3**	**7286.1**
7760.2	**8251.1**	**8266.0**	**8115.2**	**8634.0**	**9075.4**	**9111.0**	**9579.4**	**9755.2**	**9405.3**	**9442.0**	**9736.3**	**10091.3**
3984.9	4052.3	3953.3	3612.1	3728.1	3598.8	3465.2	3530.8	3462.0	3202.8	3002.2	2948.2	2829.6
3775.3	4198.9	4312.7	4503.1	4906.0	5476.6	5645.8	6048.7	6293.2	6202.5	6439.8	6788.1	7261.7
1003.8	1006.6	919.2	836.3	846.1	869.7	920.1	892.8	825.7	811.1	721.2	694.2	643.6

Contents

	Growth rate per annum		Share
2019	2019	2008-18	2019
54.6	8.0%	-6.4%	0.6%
26.3	-9.5%	3.1%	0.3%
1053.5	-15.5%	-5.3%	10.7%
1134.4	**-14.5%**	**-5.2%**	**11.5%**
0.7	-66.3%	0.8%	♦
25.7	8.7%	6.8%	0.3%
47.8	7.2%	5.4%	0.5%
74.3	**5.5%**	**5.6%**	**0.8%**
171.2	-25.0%	-1.9%	1.7%
29.7	-4.2%	-4.4%	0.3%
17.4	-36.6%	2.0%	0.2%
121.9	-8.6%	-0.5%	1.2%
13.1	-66.1%	-2.5%	0.1%
114.6	1.2%	7.0%	1.2%
48.3	-7.4%	-3.0%	0.5%
6.9	-59.1%	-18.1%	0.1%
175.6	-18.6%	-3.4%	1.8%
698.6	**-18.4%**	**-2.4%**	**7.1%**
78.1	-1.9%	2.6%	0.8%
182.2	-4.3%	-0.3%	1.9%
4.0	-2.0%	4.3%	♦
264.2	**-3.5%**	**0.5%**	**2.7%**
0.6	-	4.9%	♦
-	-	-	-
-	-	-	-
21.9	6.2%	-5.2%	0.2%
22.6	**6.1%**	**-5.1%**	**0.2%**
-	-	-	-
217.3	-3.2%	-0.7%	2.2%
36.2	13.3%	6.5%	0.4%
253.6	**-1.2%**	♦	**2.6%**
149.5	-4.5%	-1.6%	1.5%
4853.7	1.9%	5.8%	49.4%
1137.4	-2.6%	7.4%	11.6%
177.0	10.6%	10.0%	1.8%
326.2	1.0%	-0.2%	3.3%
71.1	-3.2%	9.0%	0.7%
238.7	-4.8%	2.8%	2.4%
126.4	-3.7%	0.7%	1.3%
35.8	0.1%	1.5%	0.4%
112.5	34.1%	21.2%	1.1%
148.0	6.6%	8.2%	1.5%
7376.4	**1.2%**	**5.4%**	**75.1%**
9824.1	**-2.6%**	**2.0%**	**100.0%**
2471.0	-12.7%	-3.3%	25.2%
7353.1	1.3%	5.3%	74.8%
488.4	-24.1%	-3.5%	5.0%

Electricity generation from other*

Terawatt-hours	1985	1986	1987	1988	1989	1990	1991	1992
Canada	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2
Mexico	-	-	-	-	-^	^	^	^
US	0.3	0.4	0.4	0.4	4.9	10.7	13.0	13.8
Total North America	**0.5**	**0.5**	**0.5**	**0.6**	**5.0**	**10.8**	**13.2**	**14.0**
Argentina	^	^	^	0.8	0.4	0.3	0.2	0.2
Brazil	-	-	-	-	-	-	^	-
Other S. & Cent. America	^	^	^	0.1	0.1	^	^	^
Total S. & Cent. America	**^**	**^**	**0.1**	**0.9**	**0.4**	**0.3**	**0.2**	**0.3**
Germany	14.4	14.1	13.7	15.6	16.1	20.2	16.2	16.3
Italy	3.5	3.6	3.3	3.1	5.4	4.6	4.3	4.5
Netherlands	2.3	2.3	2.3	2.6	2.7	0.5	0.5	0.6
Poland	2.2	2.4	2.5	2.5	2.3	2.1	2.3	2.4
Spain	1.8	0.9	0.8	1.0	0.8	0.9	1.1	2.1
Turkey	-	-	-	-	-	-	-	-
Ukraine	-	-	-	-	-	0.2	0.2	0.2
United Kingdom	4.7	2.9	2.0	3.9	3.7	2.2	1.7	1.9
Other Europe	11.5	11.7	11.1	12.2	12.8	10.9	11.4	12.0
Total Europe	**40.3**	**37.9**	**35.7**	**41.0**	**43.9**	**41.5**	**37.8**	**40.0**
Kazakhstan	-	-	-	-	-	-	-^	-^
Russian Federation	-	-	-	-	-	-	-	1.8
Other CIS	^	^	^	^	^	-^	^	^
Total CIS	**^**	**^**	**^**	**^**	**^**	**-^**	**^**	**1.8**
Iran	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-
Other Middle East	0.1	0.1	0.1	0.1	0.2	^	^	-^
Total Middle East	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**^**	**^**	**-^**
Egypt	-	-	-	-	-	-	-	-
South Africa	2.1	1.8	1.8	1.4	1.0	1.8	1.8	1.3
Other Africa	0.1	0.1	0.1	0.1	0.1	0.2	^	^
Total Africa	**2.2**	**1.9**	**1.9**	**1.5**	**1.2**	**2.0**	**1.8**	**1.3**
Australia	3.7	4.9	4.6	5.1	4.7	0.7	0.3	0.4
China	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	^	^	^
Japan	5.6	5.9	6.7	6.4	6.9	8.9	11.2	9.6
Malaysia	-^	-^	-^	-^	-^	-^	-^	-
South Korea	0.5	0.9	1.4	1.6	1.6	1.7	1.6	1.8
Taiwan	0.9	1.3	1.6	1.5	1.8	1.8	1.7	1.8
Thailand	^	-	-	-	-	-	^	-
Vietnam	-	-	-	-	-	-	-	-
Other Asia Pacific	0.2	0.2	0.2	0.3	0.3	0.2	0.4	0.5
Total Asia Pacific	**10.8**	**13.2**	**14.5**	**14.8**	**15.2**	**13.4**	**15.1**	**14.1**
Total World	**53.9**	**53.7**	**52.8**	**58.8**	**65.9**	**67.0**	**68.2**	**71.5**
of which: OECD	50.8	50.2	49.0	54.8	62.8	63.5	63.8	65.3
Non-OECD	3.1	3.5	3.8	4.1	3.1	3.5	4.3	6.1
European Union	39.0	36.3	34.1	39.3	43.2	39.3	35.3	37.5

* Based on gross output. Includes pumped hydro, other fossil generation and statistical differences.

♦ Less than 0.05%

Notes: Annual changes and share of total are calculated using terawatt-hours figures.

Contents

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
0.2	0.2	1.6	1.6	1.7	1.8	1.8	1.9	1.8	1.9	1.8	1.9	1.9
^	^	^	^	^	-^	^	^	^	-	5.3	3.6	9.3
13.9	13.7	13.7	14.4	15.8	16.6	18.3	18.0	12.2	14.0	14.5	14.8	13.4
14.1	**13.9**	**15.3**	**16.0**	**17.4**	**18.4**	**20.1**	**19.9**	**14.1**	**15.9**	**21.6**	**20.3**	**24.6**
0.3	0.3	0.2	0.1	0.2	0.2	0.3	0.1	^	^	^	0.1	0.3
-	^	^	-	^	^	^	^	^	^	-	-	^
^	0.1	0.1	0.1	0.2	0.2	0.1	^	-^	^	^	^	^
0.3	**0.4**	**0.2**	**0.2**	**0.4**	**0.4**	**0.4**	**0.1**	**^**	**^**	**0.1**	**0.1**	**0.3**
15.8	17.4	17.7	17.4	17.5	18.6	19.3	21.3	21.3	18.6	20.3	21.2	24.1
5.7	4.0	5.2	6.1	6.5	7.9	8.5	8.0	8.7	8.4	9.6	9.9	9.4
0.5	0.6	0.8	0.9	1.4	4.9	5.1	4.7	4.8	4.7	5.6	5.7	5.8
2.4	2.4	2.3	2.3	2.3	2.0	2.2	2.1	2.0	1.8	1.7	1.7	1.7
1.5	1.2	1.8	1.5	1.8	2.4	3.3	2.8	3.2	3.6	3.2	3.1	5.6
-	-	-	-	-	^	0.1	0.1	^	^	^	^	0.1
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
1.6	1.9	5.5	2.0	1.7	5.6	7.8	7.5	6.5	6.9	6.9	6.3	7.2
10.7	10.8	12.0	13.5	14.7	15.7	15.4	18.7	17.9	20.3	21.7	22.2	22.5
38.4	**38.3**	**45.5**	**43.9**	**46.2**	**57.5**	**61.8**	**65.4**	**64.6**	**64.7**	**69.2**	**70.2**	**76.5**
-^	-^	-^	-^	^	-^	^	-	-	-	-	-	-
2.6	2.6	2.5	2.5	2.5	2.5	2.9	3.8	4.8	4.8	3.7	3.7	4.5
-^	-^	-^	-^	-^	-^	-^	-^	^	-^	^	^	^
2.6	**2.6**	**2.5**	**2.5**	**2.4**	**2.5**	**2.9**	**3.8**	**4.8**	**4.8**	**3.7**	**3.7**	**4.5**
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
^	-^	^	^	-^	^	0.1	0.1	0.1	0.1	0.1	0.1	0.1
^	**-^**	**^**	**^**	**-^**	**^**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**
-	-	-	-	-	-	-	-	-	-	-	-	-
1.3	1.5	1.3	2.2	2.6	2.4	2.6	2.8	1.9	2.0	3.0	3.7	2.9
^	^	^	^	^	^	^	-^	-^	-^	-^	-^	-^
1.3	**1.5**	**1.3**	**2.2**	**2.6**	**2.4**	**2.6**	**1.5**	**-^**	**-^**	**-^**	**-^**	**-^**
0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.4	1.1	2.0	1.4	0.8
^	^	^	^	^	^	^	^	^	^	^	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
^	^	^	^	^	^	^	^	^	^	^	^	^
12.9	11.2	12.4	12.3	14.0	13.6	11.8	12.4	12.4	11.2	10.5	10.5	9.6
-	-	-	-	-	-	-	-^	-^	0.3	0.6	0.6	0.4
1.8	1.8	3.2	3.6	2.7	2.0	2.2	1.7	2.0	2.3	2.2	1.9	1.8
2.6	3.9	4.2	4.5	4.6	4.8	4.4	5.1	5.1	4.9	5.2	4.8	5.4
-	^	^	-^	-^	-^	^	0.1	-^	^	-^	^	^
-	-	-	-	-	-	-	-	-	-	-	-	-
0.4	0.5	0.5	0.9	1.0	0.5	0.6	1.1	1.3	1.9	0.9	1.2	0.5
18.1	**17.6**	**20.7**	**21.6**	**22.6**	**21.2**	**19.4**	**20.2**	**20.5**	**21.6**	**21.5**	**20.5**	**18.5**
74.9	**74.3**	**85.6**	**86.5**	**91.6**	**102.3**	**107.2**	**111.0**	**103.5**	**105.9**	**115.7**	**114.4**	**123.8**
67.3	65.2	76.5	75.6	79.9	90.9	95.7	99.1	92.5	94.3	104.9	104.1	112.9
7.6	9.1	9.1	10.9	11.7	11.4	11.5	11.9	11.1	11.7	10.9	10.3	11.0
36.4	35.4	42.9	41.6	42.9	54.6	59.1	62.3	61.2	61.2	65.2	66.6	72.3

2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
2.4	2.9	3.8	3.8	4.1	4.2	3.7	3.8	0.4	0.5	0.6	0.5	0.7
5.7	5.1	6.6	6.0	3.9	2.4	1.6	0.8	0.7	0.3	0.9	3.5	20.6
13.5	12.7	12.3	12.5	13.5	14.8	14.5	14.3	14.1	14.8	14.4	13.7	13.6
21.6	**20.7**	**22.7**	**22.3**	**21.4**	**21.4**	**19.8**	**18.9**	**15.1**	**15.5**	**15.8**	**17.7**	**34.9**
0.2	0.3	0.3	0.4	0.3	0.3	0.6	0.6	0.8	0.9	0.7	0.5	0.5
-^	-^	-	-	^	-	^	^	-	-	-	-	-
^	^	^	0.1	8.3	^	0.4	0.1	8.5	1.4	0.1	-^	-^
0.2	**0.4**	**0.3**	**0.5**	**8.6**	**0.4**	**1.0**	**0.7**	**9.4**	**2.3**	**0.8**	**0.2**	**0.5**
25.4	26.6	24.7	21.1	26.4	25.3	26.1	26.2	26.9	27.1	27.5	26.7	26.8
9.0	8.4	8.2	6.6	6.2	5.0	5.0	4.9	4.8	5.9	6.9	6.8	6.5
5.0	5.7	5.4	5.0	6.2	6.4	6.7	6.0	6.0	5.5	5.9	6.1	5.6
1.1	0.7	0.7	0.7	0.7	0.6	0.5	0.7	0.7	0.8	0.8	0.5	0.7
4.5	4.0	3.4	3.3	3.7	3.2	4.5	5.1	4.5	4.2	4.4	3.4	2.9
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.4	0.5	0.7	0.8	1.0
0.1	0.1	-	-	^	^	0.5	0.7	0.8	2.0	1.7	1.6	0.7
7.9	7.3	7.2	6.9	5.7	5.7	6.4	6.3	6.8	7.4	8.5	8.0	7.8
23.3	24.3	24.6	25.9	26.5	27.9	28.7	29.1	29.5	30.4	31.1	32.4	35.2
76.5	**77.1**	**74.3**	**69.6**	**75.6**	**74.2**	**78.5**	**79.1**	**80.4**	**83.8**	**87.6**	**86.4**	**87.1**
-	-	-	-	-	-	-^	-^	-	-	-	-	-^
4.6	3.9	4.5	4.5	4.7	4.5	4.4	4.4	5.0	4.7	4.5	4.4	4.4
-	-	^	^	^	^	^	0.3	0.3	0.3	0.3	0.3	0.3
4.6	**3.9**	**4.5**	**4.6**	**4.7**	**4.5**	**4.4**	**4.7**	**5.3**	**5.0**	**4.7**	**4.7**	**-^**
-	-	-	-	-	-	-	-	-^	-^	0.1	-^	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	^	0.1	-	-	^	^	^	^	-	-
-	**-**	**-**	**^**	**0.1**	**-**	**-**	**^**	**-^**	**-^**	**0.1**	**-^**	**-**
-	-	-	-	-	-	-	-	-	-	-^	-	-
2.9	3.0	2.8	2.7	3.0	3.0	3.0	2.9	3.1	2.9	3.3	4.5	4.6
-^	-^	-^	-^	0.3	2.3	0.4	0.5	0.5	0.4	0.5	0.4	0.3
-^	**-^**	**-^**	**1.3**	**3.3**	**5.3**	**3.4**	**3.4**	**3.6**	**3.3**	**3.5**	**4.9**	**4.9**
0.8	0.5	2.0	3.4	2.9	2.0	1.6	1.1	0.1	0.1	0.3	0.2	0.1
-	-	-	-	19.9	21.7	20.3	23.0	26.1	26.8	42.2	46.2	49.8
-	-	-	-	-	-	-	-	0.2	0.1	0.1	0.2	0.2
^	^	^	^	^	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3
9.2	10.8	6.8	5.9	9.7	10.1	10.2	8.7	6.6	7.4	46.8	49.6	53.3
0.7	0.3	0.2	0.2	0.3	^	0.1	0.1	-	-	-	^	-
2.1	1.8	2.7	2.5	4.8	8.4	9.6	11.8	13.9	12.4	11.7	12.0	10.7
5.4	5.5	5.0	4.8	4.6	4.5	4.5	4.8	4.8	4.7	5.0	5.0	5.2
-^	-^	-^	-^	-^	-^	-^	-^	-^	-^	-^	-^	-^
-	-	-	-	^	^	^	^	^	^	^	-	-
0.6	0.5	0.4	0.5	0.5	0.7	0.8	0.6	1.0	0.8	0.7	1.1	1.9
18.9	**19.5**	**17.2**	**17.2**	**42.7**	**47.6**	**47.3**	**50.2**	**52.8**	**52.5**	**107.1**	**114.5**	**121.5**
121.3	**120.7**	**118.9**	**115.5**	**156.4**	**153.5**	**154.5**	**156.9**	**164.5**	**161.6**	**219.5**	**228.3**	**248.9**
109.5	110.2	107.4	101.8	112.7	114.6	117.4	117.0	113.8	115.3	158.4	162.4	183.9
11.9	10.4	11.5	13.7	43.7	38.9	37.1	39.9	50.7	46.4	61.2	65.9	65.0
72.6	73.0	69.4	64.8	71.3	69.1	73.0	73.9	74.3	76.0	79.6	77.5	77.9

Contents

2019	Growth rate per annum 2019	2008-18	Share 2019
0.7	-9.2%	-15.1%	0.3%
21.6	4.8%	12.0%	9.2%
14.0	2.5%	1.0%	6.0%
36.2	**3.6%**	**4.4%**	**15.5%**
0.5	-11.0%	5.2%	0.2%
-	-	-	-
-^	59.0%	-	-0.1%
0.4	**-22.2%**	**3.6%**	**0.2%**
25.7	-4.2%	0.8%	11.0%
4.7	-27.1%	-2.4%	2.0%
5.0	-10.6%	0.3%	2.1%
1.0	38.0%	0.2%	0.4%
2.1	-25.1%	-1.7%	0.9%
1.1	15.6%	28.5%	0.5%
1.9	182.8%	-	0.8%
7.8	-0.3%	0.8%	3.3%
27.9	-20.9%	3.7%	11.9%
77.2	**-11.4%**	**1.6%**	**33.1%**
-^	-55.9%	-	-0.9%
4.3	-1.9%	-0.2%	1.8%
0.1	-71.5%	49.8%	♦
2.3	**-5215.3%**	**-**	**1.0%**
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	**-**	**-**	**-**
-	-	-	-
4.6	-	5.2%	2.0%
-^	-629.7%	-	-0.8%
2.8	**-43.5%**	**-**	**1.2%**
0.1	-	-23.5%	0.1%
56.5	13.5%	-	24.2%
0.2	-7.1%	-	0.1%
0.3	0.1%	27.4%	0.1%
42.3	-20.5%	22.9%	18.1%
-	-	-100.0%	-
9.7	-9.3%	14.7%	4.2%
5.0	-2.5%	0.3%	2.2%
-^	-15.7%	1.3%	♦
-	-	-	-
0.5	-72.9%	15.9%	0.2%
114.8	**-5.5%**	**21.6%**	**49.1%**
233.6	**-6.1%**	**7.7%**	**100.0%**
162.6	-11.6%	5.5%	69.6%
71.0	9.3%	18.9%	30.4%
67.2	-13.8%	1.2%	28.7%

Cobalt: Production and Reserves

Mine production

Thousand tonnes	1995	1996	1997	1998	1999	2000	2001	2002	2003
Australia	0.8	0.9	1.2	1.3	1.0	3.6	4.3	4.9	5.1
Canada	5.3	5.7	5.7	5.9	5.3	5.3	5.3	5.1	4.3
DR Congo	1.7	2.0	3.5	5.0	7.0	11.0	12.0	14.6	14.8
Cuba	1.6	2.0	2.4	2.7	2.5	2.9	3.4	3.4	3.3
Madagascar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Morocco	0.5	0.6	0.7	0.3	0.9	1.0	1.2	1.5	1.4
New Caledonia	1.1	1.1	1.0	1.0	1.1	1.2	1.4	2.8	2.6
Papua New Guinea	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Philippines	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.1
Russian Federation	3.5	3.3	3.3	3.6	3.9	4.0	4.6	4.6	6.1
South Africa	0.3	0.4	0.5	0.4	0.5	0.6	0.6	0.5	0.5
Zambia	2.9	4.8	4.0	5.0	4.4	2.9	4.2	4.0	3.2
Rest of World	2.9	2.2	2.0	1.9	2.5	2.4	2.6	3.5	3.2
Total World	**20.7**	**23.0**	**24.3**	**26.9**	**29.0**	**34.8**	**39.7**	**44.9**	**44.6**

♦ less than 0.05%
Rest of World is the sum of only recorded reserves.

Contents

2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4.6	4.1	5.1	4.7	4.8	4.6	3.9	3.9	5.9	6.4	6.2
5.1	5.8	7.1	8.7	9.0	3.9	4.6	6.8	3.7	4.0	3.9
20.2	24.5	27.1	25.4	42.5	56.1	84.0	99.5	86.4	76.6	76.5
3.6	4.8	5.6	4.5	4.0	4.6	4.8	5.1	4.7	4.0	3.7
n/a	n/a	-	-	-	-	0.2	0.5	0.6	2.4	3.4
1.6	1.6	2.6	1.8	1.7	2.6	3.1	2.2	2.0	2.0	2.2
2.7	1.8	1.6	2.3	2.1	2.0	2.9	3.1	2.7	3.2	4.0
n/a	n/a	n/a	n/a	-	-	-	n/a	0.5	1.0	2.1
0.1	0.3	0.9	1.0	1.2	1.4	2.1	2.0	2.7	2.8	4.6
6.0	6.3	6.3	6.3	6.2	6.1	6.2	6.1	6.3	6.3	6.3
0.6	0.6	0.6	0.6	0.6	0.6	1.8	1.6	2.5	3.0	3.0
6.1	5.5	4.7	4.7	4.6	5.9	8.6	7.7	5.4	5.9	4.6
3.8	5.3	4.8	6.4	6.3	5.7	7.3	9.8	11.4	12.9	9.0
54.3	**60.6**	**66.3**	**66.4**	**82.9**	**93.5**	**129.5**	**148.2**	**134.7**	**130.5**	**129.4**

					Growth rate per annum		Share	Reserves at end		
2015	2016	2017	2018	**2019**	2019	2008-18	2019	2019	Share	R/P ratio
6.0	5.5	5.8	4.9	**5.1**	4.5%	0.2%	4.2%	1200	17.8%	234
4.3	4.2	3.7	3.5	**3.3**	-5.3%	-8.9%	2.7%	230	3.4%	69
84.4	69.0	90.3	109.4	**78.0**	-28.7%	9.9%	64.0%	3600	53.3%	46
4.3	5.1	5.0	4.5	**4.7**	4.4%	1.2%	3.8%	500	7.4%	107
4.0	3.8	3.4	3.3	**3.4**	1.8%	n/a	2.8%	120	1.8%	36
2.3	2.7	2.5	2.1	**2.1**	-	2.1%	1.7%	18	0.3%	9
3.7	3.4	2.8	1.7	**1.2**	-25.3%	-2.4%	1.0%	64	0.9%	52
2.5	2.2	3.3	3.3	**3.1**	-5.5%	n/a	2.5%	56	0.8%	18
4.3	4.1	4.6	4.4	**4.6**	4.3%	14.0%	3.8%	260	3.9%	56
6.2	5.5	5.9	6.1	**6.1**	-	-0.2%	5.0%	250	3.7%	41
2.9	2.3	2.3	2.3	**2.4**	4.3%	14.6%	2.0%	50	0.7%	21
3.0	5.0	2.6	1.6	**1.3**	-20.0%	-10.1%	1.0%	270	4.0%	213
8.6	6.3	5.5	7.5	**6.5**	-13.9%	1.7%	5.3%	135	2.0%	21
136.5	**119.1**	**137.8**	**154.6**	**121.8**	**-21.2%**	**6.4%**	**100.0%**	**6753**	**100.0%**	**55**

Sources: includes data from US Geological Survey, British Geological Survey © UKRI and World Mining Data.

Contents

Lithium: Production and Reserves

Mine production

Thousand tonnes of Lithium content	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Argentina	^	^	^	1.1	0.2	0.2	0.2	0.9	1.0	2.0
Australia	2.2	3.9	1.6	1.2	1.5	1.8	2.2	2.2	3.5	3.3
Brazil	^	^	^	^	^	^	0.2	0.2	0.2	0.2
Chile	2.0	2.7	4.6	5.5	5.7	6.7	5.9	6.6	7.8	8.3
China	0.3	2.8	2.9	3.0	2.3	2.4	2.4	2.4	2.5	2.6
Portugal	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3
US	3.5	4.0	4.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Zimbabwe	0.5	0.5	0.7	1.0	0.7	0.7	0.7	0.6	0.5	0.2
Rest of World	0.7	0.7	1.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Total World	**9.5**	**14.8**	**15.6**	**14.2**	**12.8**	**14.3**	**14.0**	**15.4**	**17.9**	**19.3**

^ less than 0.05
Rest of World is the sum of only recorded reserves.

Contents

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
2.0	2.9	3.0	3.2	2.2	3.0	3.0	2.7	2.5	3.2	3.6	5.8	5.7
4.8	6.2	6.8	6.7	5.5	8.5	11.7	12.7	10.1	12.4	11.9	14.0	21.3
0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.4	0.2	0.2	0.2	0.2
8.4	10.0	11.5	11.0	6.0	10.4	13.6	13.9	11.7	12.0	10.9	15.2	15.8
2.8	2.8	3.0	3.3	3.8	4.0	4.1	4.5	4.7	2.3	2.0	2.3	6.8
0.3	0.3	0.6	0.7	-	0.8	0.8	0.6	0.6	0.3	0.2	0.4	0.8
1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9
0.3	0.6	0.3	0.5	0.4	0.5	0.5	1.1	1.0	0.9	0.9	1.0	0.8
0.7	0.7	0.7	0.7	0.3	n/a	n/a	-	-	-	-	0.2	1.1
21.0	**25.3**	**27.6**	**27.7**	**19.8**	**28.2**	**35.0**	**36.6**	**31.9**	**32.2**	**30.7**	**40.0**	**53.3**

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Contents

		Growth rate per annum		Share	Reserves At end of		
2018	**2019**	2019	2008-18	2019	2019	Share	R/P ratio
6.4	**6.4**	-	7.3%	8.3%	1700	11.0%	266
57.0	**40.7**	-28.6%	23.9%	52.9%	2800	18.1%	69
0.3	**0.3**	-	6.5%	0.4%	95	0.6%	317
18.8	**16.6**	-12.0%	5.5%	21.5%	8600	55.5%	519
7.1	**7.5**	5.6%	8.0%	9.7%	1000	6.5%	133
0.8	**1.2**	50.0%	1.3%	1.6%	60	0.4%	50
0.9	**0.9**	-	-5.0%	1.2%	630	4.1%	700
1.6	**1.6**	-	12.3%	2.1%	230	1.5%	144
2.3	**1.8**	-21.8%	12.8%	2.3%	370	2.4%	206
95.2	**77.0**	**-19.2%**	**13.2%**	**100.0%**	**15485**	**100.0%**	**201**

Natural Graphite: Production and Reserves

Mine production

Thousand tonnes	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Brazil[1]	33.6	40.5	41.4	61.4	53.5	71.2	60.7	60.9	70.7	76.3
Canada	25.0	25.0	25.0	25.0	25.0	25.0	35.0	25.0	25.0	28.0
China	204.0	185.0	310.0	224.0	300.0	430.0	450.0	629.0	710.0	700.0
India[2]	136.3	117.8	111.5	135.7	108.8	124.8	105.8	106.1	87.2	108.2
Madagascar	16.1	12.1	14.1	20.6	16.1	40.3	2.0	2.0	15.0	7.8
Mexico	34.4	40.4	48.0	43.5	27.8	30.3	21.4	13.9	8.7	14.8
Mozambique	3.0	3.3	5.1	5.9	4.0	n/a	n/a	n/a	n/a	n/a
Russian Federation	13.7	13.9	14.3	6.0	15.7	20.1	16.6	14.2	12.8	13.6
Sri Lanka	4.8	5.6	5.4	5.9	4.6	5.9	6.6	3.6	3.4	5.4
Ukraine	8.8	5.4	4.3	5.1	7.5	7.4	6.4	9.4	11.0	11.0
Zimbabwe	11.4	7.7	12.8	13.8	11.4	11.8	11.8	9.9	7.7	10.3
Rest of World[3]	96.3	108.0	106.0	92.6	75.9	69.3	56.9	55.1	38.9	45.8
Total World	**587.4**	**564.7**	**697.9**	**639.5**	**650.3**	**836.3**	**773.2**	**929.1**	**990.4**	**1021.0**

[1] Including beneficiated and directly shipped material.

[2] Run of the mine.

[3] Rest of World is the sum of only recorded reserves.

Contents

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
75.5	76.2	77.2	80.5	59.4	92.4	105.2	88.1	91.9	87.0	75.1	85.0	85.0
28.0	28.0	28.0	27.0	15.0	20.0	25.0	24.0	20.0	30.0	30.0	30.0	40.0
720.0	720.0	800.0	650.0	450.0	700.0	800.0	820.0	750.0	780.0	780.0	780.0	625.0
125.7	162.3	170.8	117.8	124.6	115.7	153.3	134.7	146.4	116.7	134.6	122.4	35.0
6.4	4.9	5.4	4.9	3.4	3.8	3.6	2.9	4.3	5.3	8.1	9.2	13.3
12.4	11.8	9.9	7.2	5.1	6.6	7.3	7.5	7.0	9.2	6.5	3.8	1.7
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.3
14.0	14.0	14.0	14.0	14.0	7.7	20.7	14.3	20.2	17.6	15.9	19.4	25.2
4.4	5.8	9.6	6.6	3.2	3.4	3.4	4.2	3.1	4.0	4.2	4.0	3.5
10.4	10.7	10.6	11.3	4.3	2.8	0.6	4.6	6.9	13.8	14.5	14.6	14.9
4.3	6.6	5.4	5.1	2.5	4.0	7.0	6.0	4.0	7.0	7.0	6.0	1.6
48.0	44.9	36.9	40.7	58.5	24.7	25.2	49.7	51.6	37.1	22.8	21.6	22.9
1049.0	**1085.1**	**1167.8**	**965.2**	**740.0**	**981.1**	**1151.3**	**1156.1**	**1105.5**	**1107.7**	**1098.7**	**1096.1**	**868.4**

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Contents

		Growth rate per annum		Share	Reserves At end of		
2018	**2019**	2019	2008-18	2019	2019	Share	R/P ratio
95.0	**96.0**	1.1%	1.7%	8.3%	72000	22.8%	750
40.0	**40.0**	-	4.0%	3.4%	n/a	n/a	n/a
630.0	**700.0**	11.1%	-0.3%	60.2%	73000	23.1%	104
35.0	**35.0**	-	-11.4%	3.0%	8000	2.5%	229
48.1	**48.1**	-	25.6%	4.1%	1600	0.5%	33
4.2	**4.2**	-	-5.3%	0.4%	3100	1.0%	738
104.0	**153.0**	47.1%	n/a	13.2%	25000	7.9%	163
17.8	**16.6**	-6.7%	2.4%	1.4%	14800	4.7%	892
4.0	**4.0**	-	-4.9%	0.3%	n/a	n/a	n/a
15.0	**15.0**	-	2.9%	1.3%	n/a	n/a	n/a
2.0	**2.0**	-	-9.0%	0.2%	n/a	n/a	n/a
44.4	**48.4**	9.1%	0.9%	4.2%	118200	37.4%	2440
1039.5	**1162.3**	**11.8%**	**0.7%**	**100.0%**	**315700**	**100.0%**	**272**

ırces: includes data from US Geological Survey, British Geological Survey © UKRI and World Mining Data.

Rare Earth metals: Production and Reserves

Contents

Mine production

Thousand tonnes[1]	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Australia	0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Brazil	0.1	n/a	n/a	n/a	n/a	n/a	-	-	-	0.4	0.5	0.5
China	48.0	55.0	53.0	60.0	70.0	73.0	80.6	88.0	92.0	98.0	119.0	133.0
India	5.0	5.0	5.0	3.2	1.7	1.9	2.7	2.9	2.9	0.1	0.1	^
Malaysia	0.4	0.3	0.4	0.3	0.6	0.4	0.4	0.2	0.4	0.8	0.2	0.4
Russian Federation	1.7	1.7	1.7	1.7	2.6	2.6	3.5	2.6	1.7	2.2	2.2	2.9
Thailand	-	-	^	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
US	22.2	20.4	10.0	5.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rest of World[2]	0.1	0.1	0.1	0.1	0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total World	**77.7**	**82.6**	**70.3**	**70.3**	**75.1**	**77.9**	**87.1**	**93.7**	**97.0**	**101.6**	**121.9**	**136.9**

^ less than 0.05

♦ less than 0.05%

[1] Thousand tonnes of rare earth oxide equivalent.

[2] Rest of World is the sum of only recorded reserves.

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth rate p 2019
-	-	-	-	2.2	3.2	1.3	6.2	11.9	13.9	17.3	18.6	**17.6**	-5.1%
0.6	0.5	0.2	0.1	0.1	1.6	0.3	-	0.9	2.2	1.7	1.1	**1.0**	-9.1%
120.0	125.0	129.0	89.2	93.8	93.8	93.8	105.0	105.0	105.0	105.0	120.0	**132.0**	10.0%
^	^	^	n/a	n/a	n/a	0.3	1.7	1.0	1.5	1.5	2.9	**3.0**	3.4%
0.4	0.1	^	0.4	0.4	0.1	0.2	0.2	0.3	1.9	0.3	0.1	**0.1**	-
2.7	2.5	1.9	1.5	1.4	2.1	1.4	2.1	2.3	3.1	2.5	2.6	**2.6**	-
n/a	n/a	4.0	5.6	3.1	0.1	0.1	1.9	0.8	1.6	1.3	-	**-**	n/a
n/a	-	-	-	-	3.0	5.5	5.4	5.9	-	-	18.0	**26.0**	44.4%
n/a	n/a	-	0.2	0.2	0.2	0.1	-	0.3	0.2	0.3	23.9	**27.3**	14.1%
123.8	**128.1**	**135.1**	**97.0**	**101.3**	**104.2**	**103.0**	**122.6**	**128.3**	**129.4**	**129.8**	**187.2**	**209.6**	**12.0%**

Sources: includes data from US Geological Surve

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›er annum 2008-18	Share 2019	Reserves of 2019	Share	R/P ratio
n/a	8.4%	3300	2.7%	187
9.1%	0.5%	22000	17.7%	22000
-0.4%	63.0%	44000	35.4%	333
62.9%	1.4%	6900	5.5%	2300
-3.3%	♦	30	♦	349
0.5%	1.2%	20695	16.6%	7960
n/a	-	890	0.7%	n/a
n/a	12.4%	1400	1.1%	54
n/a	13.0%	25120	20.2%	920
3.9%	**100.0%**	**124335**	**100.0%**	**593**

Cobalt and Lithium prices

Contents

	Cobalt	Lithium Carbonate
US dollars per tonne	$/tonne*	$/tonne†
2000	33.42	4.47
2001	23.26	1.49
2002	15.23	1.59
2003	23.37	1.55
2004	52.76	1.72
2005	35.19	1.46
2006	37.96	2.32
2007	67.35	3.53
2008	86.00	4.44
2009	39.38	5.17
2010	45.97	4.30
2011	39.66	4.29
2012	31.02	4.45
2013	27.70	4.75
2014	31.23	4.68
2015	28.61	5.11
2016	25.67	8.84
2017	56.04	12.07
2018	72.92	14.66
2019	33.31	10.04

* 2000-2012 spot grade for cathodes, source US Geological Survey. Data from 2013 onwards: min purity 99.8%, source London Metal E
† 2000-2008 unit value, data series 140, source US Geological Survey. Data from 2009 onwards: FOB South America, source Benchma

xchange.
rk Mineral Intelligence.

Renewable energy - geothemal

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Cumulative installed geothermal power capacity*

Megawatts	1975	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	Growth rate per annum 2008-2018	Share 2019
Mexico				743	743	855	838	843	960	960	960	960	960	963	965	965	887	824	823	813	906	926	926	951	936	-1.6%	-0.1%	6.7%
US				2914	3171	2793	2216	2252	2133	2152	2285	2274	2214	2229	2382	2405	2409	2592	2607	2514	2542	2517	2483	2541	**2555**	0.6%	1.3%	18.3%
Total North America				**3657**	**3914**	**3648**	**3054**	**3095**	**3093**	**3112**	**3245**	**3234**	**3174**	**3192**	**3347**	**3370**	**3296**	**3416**	**3430**	**3327**	**3448**	**3443**	**3409**	**3491**	**3491**	**0.0%**	**0.9%**	**25.1%**
Chile				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	48	**40**	-17.3%	---	0.3%
Costa Rica				-	55	145	145	145	163	166	166	166	166	166	166	166	218	218	218	218	217	207	207	207	**262**	26.6%	2.2%	1.9%
El Salvador				95	105	161	161	161	161	151	151	151	204	204	204	204	151	204	204	204	204	204	204	204	**204**	0.0%	0.0%	1.5%
Guatemala				-	-	29	29	29	29	29	29	54	54	54	54	54	54	54	49	49	49	49	49	49	**52**	5.7%	---	0.4%
Honduras				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	35	**35**	0.0%	---	0.3%
Nicaragua				35	70	21	26	78	78	78	88	88	88	88	88	88	88	165	155	155	155	155	155	155	**153**	-0.8%	5.9%	1.1%
Other S. and Cent. America				-	-	5	5	5	5	5	16	16	16	16	15	15	15	15	15	12	15	15	15	15	**15**	0.0%	-0.4%	0.1%
Total S. & Cent. America				**130**	**230**	**361**	**366**	**417**	**435**	**428**	**449**	**474**	**527**	**527**	**527**	**527**	**525**	**656**	**641**	**637**	**640**	**629**	**689**	**713**	**761**	**6.8%**	**3.1%**	**5.5%**
Croatia				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	**10**	0.0%	---	0.1%
France				4	4	-	-	-	-	-	-	-	-	-	-	-	16	15	16	16	16	16	16	16	**16**	0.0%	---	0.1%
Germany				-	-	-	-	-	-	^	^	^	3	3	8	8	8	12	24	29	29	33	32	36	**42**	16.7%	28.2%	0.3%
Iceland				45	50	172	202	202	202	202	232	422	485	575	575	575	665	665	665	665	665	663	708	753	**753**	0.0%	2.7%	5.4%
Italy				545	632	590	573	666	707	642	671	671	671	671	695	728	728	728	729	768	768	767	767	767	**800**	4.3%	1.3%	5.7%
Portugal				3	5	14	14	14	14	14	14	25	25	25	25	25	25	25	25	25	25	25	29	29	**29**	0.0%	1.5%	0.2%
Turkey				21	20	18	18	18	15	15	15	23	23	30	77	94	114	162	311	405	624	821	1064	1283	**1515**	18.1%	45.6%	10.9%
Other Europe				-	-	-	-	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	4	4	**4**	0.0%	16.0%	0.0%
Total Europe				**618**	**711**	**794**	**807**	**902**	**940**	**875**	**933**	**1142**	**1208**	**1305**	**1381**	**1431**	**1557**	**1608**	**1771**	**1909**	**2128**	**2325**	**2620**	**2898**	**3169**	**9.4%**	**8.3%**	**22.7%**
Russian Federation				11	11	23	21	70	70	56	79	87	90	80	81	81	81	81	79	78	78	78	74	74	**74**	0.0%	-0.8%	0.5%
Total CIS						**23**	**21**	**70**	**70**	**56**	**79**	**87**	**90**	**80**	**81**	**81**	**81**	**81**	**79**	**78**	**78**	**78**	**78**	**78**	**74**	**-5.1%**	**-0.3%**	**0.5%**
Ethiopia				-	-	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	**7**	0.0%	0.0%	0.1%
Kenya				45	45	58	58	58	58	128	128	128	128	128	163	198	198	206	206	366	619	663	673	663	**823**	24.1%	17.9%	5.9%
Total Africa				**45**	**45**	**65**	**65**	**65**	**65**	**135**	**135**	**135**	**135**	**135**	**170**	**205**	**205**	**213**	**213**	**373**	**626**	**670**	**680**	**670**	**830**	**23.9%**	**17.4%**	**6.0%**
China				29	26	22	22	22	22	22	22	22	22	25	25	24	26	26	26	26	26	26	26	26	**26**	0.0%	0.4%	0.2%
Indonesia						525	785	785	805	820	850	850	980	1052	1189	1189	1226	1336	1344	1404	1439	1644	1809	1946	**2131**	9.5%	6.3%	15.3%
Japan				215	414	533	533	533	535	535	535	532	532	532	535	537	537	512	512	508	516	526	481	482	**525**	8.9%	-1.0%	3.8%
New Zealand				261	265	418	417	373	378	378	433	433	451	593	633	731	731	731	813	924	941	941	941	965	**965**	0.0%	5.0%	6.9%
Philippines				888	1154	1847	1847	1847	1847	1847	1847	1847	1847	1847	1847	1847	1847	1847	1847	1916	1916	1916	1916	1928	**1928**	0.0%	0.4%	13.8%
Papua New Guinea				-	-	-	-	-	6	6	36	36	56	56	56	56	56	56	56	56	56	56	56	56	**56**	0.0%	0.0%	0.4%
Other Asia Pacific				1	1	1	1	1	^	^	1	^	^	^	^	^	^	^	^	^	^	^	^	^	**1**	251.5%	-1.9%	0.0%
Total Asia Pacific				**1393**	**1860**	**3345**	**3604**	**3560**	**3593**	**3608**	**3723**	**3720**	**3888**	**4105**	**4285**	**4384**	**4423**	**4508**	**4597**	**4834**	**4894**	**5109**	**5229**	**5403**	**5632**	**3.8%**	**2.8%**	**40.2%**
Total World	1300	3887	4764	5854	6770	8236	7917	8109	8196	8214	8564	8792	9022	9344	9791	9998	10088	10482	10731	11159	11814	12255	12704	13253	13931	5.1%	3.6%	100.0%

Source: IRENA, BNEF, IHS

* End of year.

^ Less than 0.5.

Renewable energy - solar

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Contents

Cumulative installed photovoltaic (PV) power*

Megawatts	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum 2019	2008-18	Share 2019
Canada	3	3	5	6	7	9	10	12	14	17	21	26	33	95	221	497	766	1210	1843	2517	2661	2913	3100	**3310**	6.8%	57.5%	0.6%
Mexico	10	11	12	13	14	15	16	16	16	16	16	19	19	25	29	39	60	82	116	173	389	674	2555	**4440**	73.8%	63.3%	0.8%
US	14	15	15	17	19	22	28	73	111	190	295	455	753	1188	2040	3382	7328	13045	17651	23442	34716	43115	53184	**62298**	17.1%	53.1%	10.6%
Total North America	**27**	**29**	**32**	**36**	**40**	**46**	**54**	**101**	**141**	**223**	**332**	**500**	**805**	**1308**	**2290**	**3918**	**8154**	**14337**	**19610**	**26132**	**37766**	**46702**	**58839**	**70048**	**19.1%**	**53.6%**	**11.9%**
Brazil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	5	16	27	84	1104	2078	**2485**	19.6%	---	0.4%
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	15	221	576	1125	1809	2137	**2648**	23.9%	---	0.5%
Honduras	-	-	-	1	2	2	2	2	2	3	3	3	3	4	4	5	5	5	5	393	414	454	485	**511**	5.4%	65.2%	0.1%
Other S. & Cent. America	-	-	-	1	3	5	7	9	11	14	19	26	35	59	112	163	315	429	684	964	1190	1669	2419	**3107**	28.4%	52.6%	0.5%
Total S. & Cent. America	**-**	**-**	**-**	**2**	**4**	**7**	**9**	**11**	**14**	**16**	**22**	**29**	**39**	**62**	**117**	**169**	**324**	**455**	**926**	**1960**	**2814**	**5036**	**7119**	**8750**	**22.9%**	**68.5%**	**1.5%**
Austria	2	2	3	4	5	7	9	23	27	21	22	24	30	49	89	174	338	626	785	937	1096	1269	1438	**1578**	9.7%	47.2%	0.3%
Belgium	-	-	-	-	-	-	1	1	1	2	2	20	62	386	1007	1979	2647	2902	3015	3132	3327	3616	3987	**4531**	13.6%	51.6%	0.8%
Bulgaria	-	-	-	-	-	-	-	-	-	-	-	-	-	2	25	154	1013	1020	1026	1029	1028	1036	1033	**1065**	3.1%	---	0.2%
Czech Republic	-	-	-	-	^	^	^	^	^	1	1	4	40	465	1727	1913	2022	2064	2067	2075	2068	2070	2075	**2070**	-0.2%	48.4%	0.4%
Denmark	-	-	-	-	1	1	2	2	2	3	3	3	3	5	7	17	402	571	607	782	851	906	998	**1079**	8.1%	78.7%	0.2%
France	4	6	8	9	7	7	8	9	11	13	15	26	80	277	1044	3004	4359	5277	6034	7138	7702	8610	9617	**10571**	9.9%	61.4%	1.8%
Germany	28	42	54	70	114	195	260	435	1105	2056	2899	4170	6120	10567	18007	25917	34077	36711	37900	39224	40679	42293	45181	**48962**	8.4%	22.1%	8.3%
Greece	-	-	-	-	-	1	1	1	1	1	5	9	12	46	202	612	1536	2579	2596	2604	2604	2606	2652	**2763**	4.2%	71.6%	0.5%
Hungary	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	4	12	35	89	172	235	344	726	**1277**	75.9%	93.2%	0.2%
Italy	16	17	18	18	19	20	22	26	31	34	45	110	483	1264	3597	13136	16790	18190	18600	18907	19289	19688	20114	**20906**	3.9%	45.2%	3.6%
Netherlands	1	1	1	5	13	21	26	46	50	51	53	54	59	69	90	149	369	746	1048	1515	2049	2903	4522	**6725**	48.7%	54.3%	1.1%
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	27	108	187	287	562	**1300**	131.3%	---	0.2%
Romania	^	^	1	1	1	1	1	2	2	2	3	24	59	115	134	172	238	296	415	447	513	579	667	**828**	24.0%	27.5%	0.1%
Slovakia	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	1	41	761	1293	1326	1372	1374	1386	**1386**	0.0%	159.5%	0.2%
Spain	1	1	1	2	10	13	17	22	33	52	141	505	3445	3705	4605	5432	6569	6994	7001	7008	7017	7027	7068	**11065**	56.6%	7.5%	1.9%
Sweden	2	2	2	3	3	3	3	4	4	4	5	6	8	9	11	12	24	43	60	104	153	402	492	**644**	30.9%	51.0%	0.1%
Switzerland	8	10	12	13	16	18	20	22	24	28	30	37	49	79	125	223	437	756	1061	1394	1664	1906	2171	**2524**	16.3%	46.1%	0.4%
Turkey	-	-	-	-	^	^	1	1	2	2	3	3	4	5	6	7	12	19	41	250	834	3422	5064	**5996**	18.4%	105.9%	1.0%
Ukraine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	188	372	748	819	841	955	1200	2003	**5936**	196.4%	---	1.0%
United Kingdom	^	^	^	1	2	3	4	6	8	11	14	18	23	27	95	1000	1753	2937	5528	9601	11930	12782	13118	**13398**	2.1%	88.6%	2.3%
Other Europe	5	5	5	6	9	10	12	26	37	38	41	42	47	57	113	678	852	1055	1213	1323	1453	1708	1791	**2064**	15.2%	44.0%	0.4%
Total Europe	**67**	**87**	**105**	**132**	**200**	**300**	**387**	**626**	**1338**	**2319**	**3281**	**5056**	**10524**	**17128**	**30888**	**54772**	**73862**	**84334**	**91227**	**99916**	**107006**	**116028**	**126663**	**146666**	**15.8%**	**28.2%**	**25.0%**
Russian Federation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	1	5	61	76	275	535	**1064**	98.7%	---	0.2%
Other CIS	-	-	-	-	-	-	-	-	-	-	-	^	^	^	^	1	1	2	9	63	86	93	265	**633**	138.8%	119.9%	0.1%
Total CIS	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**^**	**^**	**^**	**^**	**1**	**1**	**4**	**14**	**125**	**162**	**368**	**800**	**1697**	**112.0%**	**145.7%**	**0.3%**
Israel	-	^	^	^	-	-	-	-	-	1	1	2	9	31	76	196	243	426	676	772	872	975	1076	**1438**	33.6%	61.3%	0.2%
Jordan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	^	^	^	29	298	471	829	**998**	20.5%	---	0.2%
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	10	11	13	14	130	134	135	142	355	594	**1883**	217.2%	---	0.3%
Other Middle East	-	-	-	-	^	^	^	^	^	^	^	^	1	2	4	6	18	61	95	168	277	480	813	**1263**	55.3%	89.0%	0.2%
Total Middle East	**-**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**^**	**1**	**2**	**2**	**10**	**42**	**91**	**215**	**275**	**618**	**905**	**1103**	**1589**	**2281**	**3312**	**5583**	**68.6%**	**78.0%**	**1.0%**
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	25	25	25	26	74	244	425	448	**448**	0.0%	---	0.1%
Egypt	^	^	^	^	^	^	1	1	1	1	1	1	1	1	15	35	35	35	35	45	68	189	771	**1668**	116.3%	96.5%	0.3%
Morocco	-	-	-	-	7	7	8	8	9	10	11	12	13	13	34	34	35	35	40	200	202	205	735	**736**	0.0%	49.9%	0.1%
South Africa	-	2	4	6	-	-	-	-	-	-	-	-	-	-	2	6	11	262	1163	1352	2174	2486	2959	**3061**	3.4%	---	0.5%
Other Africa	1	1	1	2	4	6	7	9	12	15	20	28	40	50	74	100	150	209	288	386	514	746	1055	**1324**	25.5%	38.8%	0.2%
Total Africa	**1**	**3**	**5**	**8**	**11**	**13**	**15**	**18**	**22**	**26**	**32**	**41**	**54**	**65**	**150**	**200**	**257**	**566**	**1552**	**2056**	**3202**	**4052**	**5968**	**7236**	**21.3%**	**60.2%**	**1.2%**
Australia	16	19	23	25	25	29	34	39	46	52	61	73	85	332	1091	2473	3799	4568	5287	5946	6689	7354	11305	**15930**	40.9%	63.1%	2.7%
China	1	3	5	10	34	38	57	67	77	141	160	199	253	415	1022	3108	6719	17759	28399	43549	77809	130822	175237	**205493**	17.3%	92.3%	35.0%
India	-	-	-	-	-	1	6	7	8	8	12	10	25	28	39	65	566	926	3673	5593	9879	18152	27355	**35060**	28.2%	101.3%	6.0%
Japan	60	91	133	209	330	453	637	860	1132	1421	1700	1909	2131	2611	3599	4890	6430	12107	19334	28615	38438	44226	55500	**61840**	11.4%	38.5%	10.5%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	^	1	1	1	1	25	97	166	229	279	370	536	**882**	64.6%	99.4%	0.2%
Pakistan	-	-	-	-	-	-	-	-	-	-	-	^	1	4	9	19	46	101	165	230	546	1018	1169	**1329**	13.7%	100.7%	0.2%
Philippines	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	23	166	775	897	897	**922**	2.8%	97.4%	0.2%
South Korea	-	-	-	-	4	5	5	6	9	14	36	81	357	524	650	730	1024	1555	2481	3615	4502	5835	7130	**10505**	47.3%	34.9%	1.8%
Taiwan	-	-	-	-	^	^	^	^	1	1	1	2	6	10	22	118	223	392	620	842	1245	1768	2738	**4150**	51.5%	85.7%	0.7%
Thailand	-	-	-	-	-	-	-	-	-	-	30	32	32	37	49	79	382	829	1304	1425	2451	2702	2967	**2987**	0.7%	57.1%	0.5%
Other Asia Pacific	-	-	1	2	4	9	8	11	12	21	27	46	47	73	111	612	589	811	330	486	665	939	1205	**7343**	509.3%	38.2%	1.3%
Total Asia Pacific	**77**	**113**	**162**	**246**	**396**	**535**	**746**	**990**	**1285**	**1659**	**2030**	**2354**	**2939**	**4034**	**6594**	**12095**	**19803**	**39145**	**61781**	**90696**	**143277**	**214084**	**286040**	**346441**	**21.1%**	**58.1%**	**59.1%**
Total World	**172**	**232**	**305**	**424**	**651**	**902**	**1211**	**1746**	**2800**	**4244**	**5698**	**7982**	**14371**	**22639**	**40129**	**71370**	**102676**	**139458**	**176015**	**221988**	**295816**	**388550**	**488741**	**586421**	**20.0%**	**42.3%**	**100.0%**

Source: IRENA, BNEF, IHS

*End of year.

^ Less than 0.5.

Renewable energy - wind

Cumulative installed wind turbine capacity*

Contents

Contents

Megawatts	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	**2019**	Growth rate per annum 2019	Growth rate per annum 2008-2018	Share 2019
Canada			26	83	126	139	214	270	351	444	677	1423	1840	2336	3282	3967	5265	6201	7801	9694	11214	11973	12403	12816	**13413**	4.7%	18.6%	2.2%
Mexico			2	2	2	17	17	18	18	18	18	101	101	101	425	519	601	1815	2122	2569	3271	4051	4199	4875	**6591**	35.2%	47.4%	1.1%
US			1611	2141	2445	2377	3864	4417	5995	6456	8706	11329	16515	24651	34296	39135	45676	59075	59973	64232	72573	81286	87597	94417	**103584**	9.7%	14.4%	16.6%
Total North America			**1639**	**2226**	**2573**	**2533**	**4095**	**4705**	**6364**	**6918**	**9401**	**12853**	**18456**	**27088**	**38003**	**43621**	**51542**	**67091**	**69896**	**76495**	**87058**	**97310**	**104199**	**112109**	**123588**	**10.2%**	**15.3%**	**19.8%**
Argentina			9	14	14	14	25	26	26	28	28	28	28	28	28	28	60	137	190	215	215	215	257	750	**1609**	114.6%	39.0%	0.3%
Brazil			4	19	22	22	24	22	24	24	29	237	247	398	602	927	1426	1894	2202	4888	7633	10124	12294	14833	**15364**	3.6%	43.6%	2.5%
Chile			-	-	-	-	2	2	2	2	2	2	20	20	163	163	184	202	301	736	910	1039	1305	1524	**1620**	6.3%	54.2%	0.3%
Costa Rica			23	27	35	43	62	62	69	69	69	69	70	70	120	120	133	148	148	197	278	319	378	408	**411**	0.8%	19.3%	0.1%
Uruguay			-	-	-	-	-	-	-	-	-	-	-	15	31	41	44	53	59	481	857	1212	1516	1516	**1561**	3.0%	59.1%	0.3%
Other S. & Cent. America			6	6	7	12	21	24	32	74	66	76	80	83	164	211	351	638	719	964	1422	1597	1640	1848	**2067**	11.9%	36.4%	0.3%
Total S. & Cent. America			**42**	**66**	**78**	**90**	**134**	**136**	**153**	**196**	**193**	**411**	**445**	**613**	**1107**	**1489**	**2197**	**3071**	**3619**	**7481**	**11315**	**14506**	**17390**	**20878**	**22633**	**8.4%**	**42.3%**	**3.6%**
Austria			20	30	42	50	67	109	322	581	825	968	991	992	1001	1016	1106	1337	1675	2110	2489	2730	2887	3133	**3159**	0.8%	12.2%	0.5%
Belgium			9	10	11	14	26	31	67	96	167	212	276	324	608	912	1069	1370	1780	1944	2176	2370	2797	3261	**3780**	15.9%	26.0%	0.6%
Bulgaria			-	-	-	-	-	-	-	1	8	27	30	114	333	488	541	677	683	699	699	699	698	699	**699**	0.0%	19.9%	0.1%
Denmark			1116	1420	1738	2390	2497	2895	3120	3124	3128	3136	3124	3163	3482	3802	3952	4162	4819	4887	5077	5246	5490	6121	**6117**	-0.1%	6.8%	1.0%
Finland			12	18	39	38	39	43	52	82	82	86	110	143	147	197	199	257	447	627	1005	1565	2044	2041	**2282**	11.8%	30.5%	0.4%
France			13	21	25	38	66	138	218	358	690	1412	2223	3403	4582	5912	6758	7607	8156	9201	10298	11567	13499	14900	**16260**	9.1%	15.9%	2.6%
Germany			2089	2877	4435	6095	8754	12001	14381	16419	18248	20474	22116	22794	25732	26903	28712	30979	33477	38614	44580	49435	55580	58843	**60822**	3.4%	9.9%	9.8%
Greece			29	38	106	226	270	287	371	470	491	749	846	1022	1171	1298	1640	1753	1809	1978	2091	2370	2624	2877	**3547**	23.3%	10.9%	0.6%
Ireland			53	64	74	117	123	135	210	336	493	677	741	942	1251	1390	1585	1704	2008	2283	2451	2786	3318	3676	**4172**	13.5%	14.6%	0.7%
Italy			103	197	277	363	664	780	874	1127	1635	1902	2702	3525	4879	5794	6918	8102	8542	8683	9137	9384	9737	10230	**10758**	5.2%	11.2%	1.7%
Netherlands			329	379	433	447	486	672	905	1075	1224	1561	1749	2149	2222	2237	2316	2433	2713	2865	3391	4257	4202	4393	**4463**	1.6%	7.4%	0.7%
Norway			5	8	13	13	13	97	97	152	265	284	348	395	423	425	512	705	818	863	867	883	1207	1710	**2444**	42.9%	15.8%	0.4%
Poland			2	2	2	4	19	32	35	40	121	172	306	526	709	1108	1800	2564	3429	3836	4886	5747	5759	5766	**5917**	2.6%	27.1%	1.0%
Portugal			39	51	61	83	125	190	268	553	1064	1681	2201	2857	3326	3796	4256	4412	4610	4857	4937	5124	5124	5172	**5233**	1.2%	6.1%	0.8%
Romania			-	-	-	-	-	-	-	-	1	1	3	5	15	389	988	1822	2773	3244	3130	3025	3030	3032	**3040**	0.3%	89.8%	0.5%
Spain			512	723	1408	2206	3397	4891	5945	8317	9918	11722	14820	16555	19176	20693	21529	22789	22958	22925	22943	22990	23124	23405	**25553**	9.2%	3.5%	4.1%
Sweden			122	176	220	209	295	357	417	475	522	585	823	1089	1475	2017	2764	3606	4194	5088	5819	6435	6611	7300	**8888**	21.8%	24.5%	1.4%
Turkey			9	9	9	19	19	19	19	19	21	59	146	364	792	1320	1729	2261	2760	3630	4503	5751	6516	7005	**7591**	8.4%	34.4%	1.2%
Ukraine						5	36	46	54	71	77	77	82	83	86	88	146	248	362	514	514	526	553	621	**1258**	102.6%	22.3%	0.2%
United Kingdom			328	338	362	412	493	534	742	933	1565	1955	2477	3446	4422	5421	6596	9030	11282	13074	14306	16126	19585	21770	**24128**	10.8%	20.2%	3.9%
Other Europe			20	22	25	21	23	51	72	108	156	235	369	524	763	1030	1323	1625	1719	1892	2218	2472	2744	2918	**3372**	15.6%	19.9%	0.5%
Total Europe			**4810**	**6383**	**9280**	**12750**	**17412**	**23307**	**28170**	**34337**	**40701**	**47974**	**56483**	**64416**	**76596**	**86236**	**96439**	**109444**	**121014**	**133814**	**147516**	**161487**	**177129**	**188875**	**203483**	**7.7%**	**11.4%**	**32.7%**
Russian Federation						3	3	7	9	9	10	10	10	10	10	10	10	10	10	10	11	11	11	52	**102**	96.3%	17.9%	0.0%
Other CIS						-	-	-	-	-	3	3	3	3	5	5	3	4	9	58	82	137	152	212	**374**	76.6%	55.3%	0.1%
Total CIS						**3**	**3**	**7**	**9**	**9**	**13**	**13**	**13**	**13**	**15**	**15**	**13**	**14**	**19**	**68**	**93**	**148**	**163**	**264**	**476**	**80.5%**	**35.5%**	**0.1%**
Iran			9	9	9	11	11	12	16	25	37	47	63	63	92	95	98	106	108	149	153	191	259	282	**302**	7.2%	16.2%	0.0%
Jordan						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	118	184	198	285	**374**	31.3%	70.1%	0.1%
Other Middle East			-	-	-	-	-	6	6	7	7	7	7	7	7	7	7	8	10	12	14	35	48	48	**48**	0.0%	20.6%	0.0%
Total Middle East			**9**	**9**	**9**	**12**	**12**	**19**	**23**	**33**	**45**	**55**	**71**	**72**	**101**	**104**	**107**	**115**	**119**	**162**	**286**	**410**	**505**	**614**	**723**	**17.8%**	**24.0%**	**0.1%**
Egypt			6	6	36	69	69	69	69	145	145	230	310	390	435	550	550	550	550	750	750	750	1125	**1375**	22.2%	11.2%	0.2%
Morocco			-	2	20	54	54	54	54	54	54	54	114	114	221	221	255	255	495	797	797	897	1017	1220	**1220**	0.0%	26.7%	0.2%
South Africa			-	-	-	-	-	3	3	3	3	3	3	8	8	10	10	10	257	569	1079	1473	2094	2094	**2094**	0.0%	73.6%	0.3%
Tunisia			-	2	8	10	10	10	19	19	19	19	19	19	53	53	53	173	200	233	240	245	245	245	**245**	0.0%	29.1%	0.0%
Other Africa			-	-	-	^	^	3	5	5	5	5	6	6	7	12	109	122	222	234	438	448	454	764	**814**	6.5%	63.1%	0.1%
Total Africa			**6**	**10**	**64**	**133**	**133**	**140**	**150**	**226**	**226**	**311**	**452**	**537**	**724**	**846**	**977**	**1110**	**1724**	**2383**	**3304**	**3813**	**4560**	**5448**	**5748**	**5.5%**	**26.1%**	**0.9%**
Australia			4	10	10	33	76	106	190	379	740	819	1249	1441	1703	1864	2127	2561	3221	3797	4234	4327	4816	5818	**7272**	25.0%	15.0%	1.2%
China			146	200	262	341	383	449	547	763	1060	2070	4200	8388	17599	29633	46355	61597	76731	96819	131048	148517	164374	184665	**210478**	14.0%	36.2%	33.8%
India			940	992	1035	1267	1456	1702	2125	3000	4434	6315	7845	10243	10925	13184	16179	17300	18420	22465	25088	28700	32848	35288	**37505**	6.3%	13.2%	6.0%
Japan			17	30	68	84	175	277	508	769	1227	1805	1527	1756	1997	2294	2419	2562	2646	2753	2808	3247	3483	3667	**3786**	3.2%	7.6%	0.6%
New Zealand			4	4	36	36	36	54	72	166	168	169	320	322	497	524	524	623	623	682	689	689	689	689	**689**	0.0%	7.9%	0.1%
Pakistan			-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	56	106	206	308	591	789	1186	**1236**	4.2%	69.7%	0.2%
Philippines			-	-	-	-	-	-	-	-	33	33	33	33	33	33	33	33	33	337	427	427	427	427	**427**	0.0%	29.2%	0.1%
South Korea			1	1	5	7	11	13	19	29	99	178	196	304	351	382	425	464	576	612	847	1067	1215	1420	**1512**	6.5%	16.7%	0.2%
Taiwan			1	1	1	3	5	9	9	9	24	102	186	250	374	476	523	571	614	637	647	682	692	713	**845**	18.5%	11.0%	0.1%
Thailand			-	-	-	-	-	-	-	-	-	^	1	1	5	6	7	112	223	225	234	507	628	1103	**1507**	36.6%	99.6%	0.2%
Other Asia Pacific			4	4	6	7	8	10	14	26	26	32	47	54	67	117	128	161	237	279	374	398	494	657	**796**	21.2%	28.3%	0.1%
Total Asia Pacific			**1117**	**1242**	**1423**	**1778**	**2150**	**2619**	**3484**	**5140**	**7811**	**11524**	**15604**	**22798**	**33557**	**48519**	**68726**	**86040**	**103430**	**128812**	**166704**	**189152**	**210456**	**236633**	**266053**	**12.9%**	**26.3%**	**42.7%**
Total World	4778	6070	7623	9936	13427	17304	23976	30979	39392	46911	58441	73152	91496	118348	160166	190924	229129	267097	300287	349671	416276	466827	514402	563820	622704	10.4%	17.2%	100.0%

Source: IRENA, BNEF, IHS

*End of year.
^ Less than 0.5.

Approximate conversion factors

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Crude oil*

From	To tonnes (metric)	kilolitres	barrels	US gallons	tonnes/ year
	Multiply by				
Tonnes (metric)	1	1.165	7.33	307.86	–
Kilolitres	0.8581	1	6.2898	264.17	–
Barrels	0.1364	0.159	1	42	–
US gallons	0.00325	0.0038	0.0238	1	–
Barrels/day	–	–	–	–	49.8

*Based on worldwide average gravity.

Oil products

From	To convert barrels to tonnes	tonnes to barrels	kilolitres to tonnes	tonnes to kilolitres	tonnes to gigajoules	tonnes to barrels oil equiv.
	Multiply by					
Ethane	0.059	16.850	0.373	2.679	49.400	8.073
Liquefied petroleum gas (LPG)	0.086	11.600	0.541	1.849	46.150	7.542
Gasoline	0.120	8.350	0.753	1.328	44.750	7.313
Kerosene	0.127	7.880	0.798	1.253	43.920	7.177
Gas oil/ diesel	0.134	7.460	0.843	1.186	43.380	7.089
Residual fuel oil	0.157	6.350	0.991	1.010	41.570	6.793
Product basket	0.124	8.058	0.781	1.281	43.076	7.039

Natural gas (NG) and liquefied natural gas (LNG)

From	To billion cubic metres NG	billion cubic feet NG	petajoules NG	million tonnes oil equivalent	million tonnes LNG	trillion British thermal units	on barrels equivalent
	Multiply by						
1 billion cubic metres NG	1.000	35.315	36.000	0.860	0.735	34.121	5.883
1 billion cubic feet NG	0.028	1.000	1.019	0.024	0.021	0.966	0.167
1 petajoule NG	0.028	0.981	1.000	0.024	0.021	0.952	0.164
1 million tonnes oil equivalent	1.163	41.071	41.868	1.000	0.855	39.683	6.842
1 million tonnes LNG	1.360	48.028	48.747	1.169	1.000	46.405	8.001
1 trillion British thermal units	0.029	1.035	1.050	0.025	0.022	1.000	0.172
1 million barrels oil equivalent	0.170	6.003	6.093	0.146	0.125	5.800	1.000

Thermal equivalent efficiency factors used to convert non-fossil electricity to primary energy

Year(s)	Efficiency factor		Year(s)	Efficiency factor
1965-2000	36%		2010	38.40%
2001	36.20%		2011	38.60%
2002	36.50%		2012	38.80%
2003	36.70%		2013	39.10%
2004	36.90%		2014	39.30%
2005	37.20%		2015	39.50%
2006	37.40%		2016	39.80%
2007	37.60%		2017	40.00%
2008	37.90%		2018	40.20%
2009	38.10%		2019	40.40%

Units

1 metric tonne = 2204.62 lb.
= 1.1023 short tons
1 kilolitre = 6.2898 barrels
1 kilolitre = 1 cubic metre
1 kilocalorie (kcal) = 4.1868 kJ = 3.968 Btu
1 kilojoule (kJ) = 1,000 joules = 0.239 kcal = 0.948 Btu
1 petajoule (PJ) = 1 quadrillion joules (1×10^{15})
1 exajoule (EJ) = 1 quintillion joules (1×10^{18})
1 British thermal unit (Btu) = 0.252 kcal = 1.055 kJ
1 barrel of oil equivalent (boe) = 5.8 million Btu = 6.119 million kJ
1 kilowatt-hour (kWh) = 860 kcal = 3600 kJ = 3412 Btu

Calorific equivalents

One exajoule equals approximately:

Heat units	239 trillion kilocalories
	948 trillion Btu
Solid fuels	40 tonnes of hard coal
	95 tonnes of lignite and sub-bituminous coal
Gaseous fuels	See Natural gas and LNG table
Electricity	278 terawatt-hours

All fuel energy content is net or lower heating value (i.e., net of heat of vaporisation of water generated from combustion).

1 barrel of ethanol = 0.58 barrels of oil equivalent
1 barrel of biodisel = 0.86 barrels of oil equivalent

1 tonne of ethanol = 0.68 tonne of oil equivalent
1 tonne of biodiesel = 0.88 tonne of oil equivalent

Other terms

Tonnes: Metric equivalent of tons

Percentages

Calculated before rounding of actuals.

Rounding differences

Because of rounding, some totals may not agree exactly with the sum of their component parts.

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Definitions

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Statistics published in this Review are taken from government sources and published data.
No use is made of confidential information obtained by bp in the course of its business

Country groupings are made purely for statistical purposes and are not intended to imply any judgement about political or economic standings.

Country and geographical groupings

North America:
US (excluding US territories), Canada and Mexico.

Caribbean
Atlantic islands between the US Gulf Coast and and South America, including Puerto Rico, US Virgin Islands and Bermuda.

Central America
Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama

South and Central America:
Caribbean (including Puerto Rico and US Virgin Islands), Bermuda, Central and South America.

Europe:
European members of the OECD plus Albania, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, the former Yugoslav Republic of Macedonia, Georgia, Gibraltar, Latvia, Lithuania, Malta, Montenegro, North Macedonia, Romania and Serbia.

Commonwealth of Independent States (CIS):
Armenia, Azerbaijan, Belarus, Kazakhstan, Kyrgyzstan, Moldova, Russian Federation, Tajikistan, Turkmenistan, Ukraine, Uzbekistan.

Middle East:
Arabian Peninsula, Iran, Iraq, Israel, Jordan, Lebanon, Syria.

Northern Africa:
Territories on the north coast of Africa from Egypt to Western Sahara.

Eastern Africa:
Territories on the east coast of Africa from Sudan to Mozambique. Also Madagascar, Malawi, Uganda, Zambia, Zimbabwe.

Middle Africa:
Angola, Cameroon, Central African Republic, Chad, Democratic Republic of Congo, Republic of Congo, Equatorial Guinea, Gabon, Sao Tome & Principe.

Western Africa:
Territories on the west coast of Africa from Mauritania to Nigeria, including Burkina Faso, Cape Verde, Mali and Niger.

Southern Africa:
Botswana, Lesotho, Namibia, South Africa, Swaziland.

Asia Pacific:
Brunei, Cambodia, China†, China Hong Kong SAR*, China Macau SAR*, Indonesia, Japan, Laos, Malaysia, Mongolia, North Korea, Philippines, Singapore, South Asia (Afghanistan, Bangladesh, India, Myanmar, Nepal, Pakistan and Sri Lanka), South Korea, Taiwan, Thailand, Vietnam, Australia, New Zealand, Papua New Guinea and Oceania.
† Mainland China
*Special Administrative Region

Australasia:
Australia, New Zealand.

OECD members (Organization For Economic Co-operation and Development)
Europe: Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom. Other member countries: Australia, Canada, Chile, Israel, Japan, Mexico, New Zealand, South Korea, US.

OPEC members (Organization of the Petroleum Exporting Countries)
Middle East: Iran, Iraq, Kuwait, Saudi Arabia, United Arab Emirates. North Africa: Algeria, Libya. West Africa: Angola, Equatorial Guinea, Gabon, Nigeria, Republic of Congo. South America: Ecuador, Venezuela.

European Union members
Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, North Macedonia, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, UK.

Non-OECD
All countries that are not members of the OECD.

Methodology

This year we have made the following two methodological changes: first, energy units have been changed from million tonnes of oil equivalent to exajoules.
Second, the method for estimating primary energy consumption of non-fossil sources of electricity, has been revised.
This is still based on an 'input-equivalence' method, i.e. on the amount of fuel that would be required by a standard thermal power station to generate the reported electricity output.
However the thermal efficiency assumed for that standard power plant is no longer fixed.
The efficiency assumption rises each year to better reflect real world improvements in the average power station thermal efficiency.
For more details see Methodology

As well as the change to reported energy units (from million tonnes of oil equivalent to exajoules) there have been the following changes in the tables: biofuels consumption has been broken out of oil consumption and is now included in renewables consumption (as well as reported separately in its own table). Oil consumption as defined in previous Statistical Reviews (i.e. including biofuels) has been renamed 'liquids' consumption and a table is still included on this original basis. In addition, more granularity has been included on the product split of both oil products and biofuels (breaking out ethane & LPG and naphtha in oil products and the ethanol/biodiesel split of biofuels).

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Updated methodology for converting non-fossil electricity generation to primary energy

Traditionally, in bp's Statistical Review of World Energy, the primary energy of non-fossil based electricity (nuclear, hydro, wind, s
has been calculated on an 'input-equivalent' basis – i.e. based on the equivalent amount of fossil fuel input required to generate t
For example, if nuclear power output for a country was 100 TWh, and the efficiency of a standard thermal power plant was 38%, t

For many years, the efficiency of this standard power plant has been assumed to be 38%. However, in reality, the world average
Moreover, given the much higher efficiency of the most modern power plant (e.g. the thermal efficiency of a modern gas turbine p

Therefore, to better assess primary energy trends, we have decided to move to a time-dependent thermal equivalence model.
The conversion factor used each year to calculate the 'input-equivalent' consumption for a given level of generation is based on a

1965-2000: assumed constant efficiency of 36%
2000-2017: a linear increase from 36% to 40% based on observed data
2018 onwards: the annual rate of efficiency improvement is based on the simplified assumption that efficiency will increase linearl

The table below quantifies these assumptions:

Thermal equivalent efficiency factors used to convert non-fossil electricity to primary energy

Year(s)	Efficiency factor		Year(s)	Efficiency factor
1965-2000	36%		2010	38.40%
2001	36.20%		2011	38.60%
2002	36.50%		2012	38.80%
2003	36.70%		2013	39.10%
2004	36.90%		2014	39.30%
2005	37.20%		2015	39.50%
2006	37.40%		2016	39.80%
2007	37.60%		2017	40.00%
2008	37.90%		2018	40.20%
2009	38.10%		2019	40.40%

olar, geothermal, biomass in power and other renewables sources)
that amount of electricity in a standard thermal power plant.
the input-equivalent primary energy would be 100/0.38 = 263 TWh or about 0.95 EJ.

efficiency of fossil fuel-based power changes over time and has risen from around 36% in 2000 to over 40% today.
lant is above 55%), the global average is expected to increase in the future.

ı simplified representation of measured average efficiency levels:

ly to 45% by 2050.