

Appendix H

Reference Case Projections for Electricity Capacity and Generation by Fuel

Table H1. World Total Installed Generating Capacity by Region and Country, 2005-2030
 (Gigawatts)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	1,146	1,235	1,253	1,327	1,423	1,523	1.1
United States ^a	974	1,035	1,025	1,073	1,142	1,213	0.9
Canada	120	138	157	171	186	200	2.1
Mexico	52	61	70	83	95	110	3.0
OECD Europe	746	829	884	945	988	1,054	1.4
OECD Asia	368	421	442	456	467	484	1.1
Japan	248	271	271	272	271	273	0.4
South Korea	62	86	101	110	117	128	2.9
Australia/New Zealand	58	65	70	74	79	83	1.4
Total OECD	2,260	2,485	2,579	2,729	2,878	3,062	1.2
Non-OECD							
Non-OECD Europe and Eurasia . . .	403	466	522	558	595	632	1.8
Russia	217	248	282	307	330	353	2.0
Other	186	218	240	251	266	278	1.6
Non-OECD Asia	781	1,128	1,438	1,777	2,128	2,472	4.7
China	442	692	890	1,132	1,384	1,618	5.3
India	138	201	249	296	347	398	4.3
Other Non-OECD Asia	201	235	299	349	397	457	3.3
Middle East	123	160	177	188	201	216	2.3
Africa	107	135	167	195	218	240	3.3
Central and South America	215	263	306	347	382	412	2.6
Brazil	91	119	152	179	204	226	3.7
Other Central and South America . .	124	144	155	169	178	186	1.6
Total Non-OECD	1,629	2,152	2,611	3,067	3,525	3,972	3.6
Total World	3,889	4,637	5,189	5,795	6,402	7,033	2.4

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H2. World Installed Liquids-Fired Generating Capacity by Region and Country, 2005-2030
(Gigawatts)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	141	141	116	116	116	115	-0.8
United States ^a	122	120	95	95	95	95	-1.0
Canada	4	5	5	5	5	5	1.1
Mexico	15	16	16	15	15	15	0.1
OECD Europe	54	57	57	55	54	53	-0.1
OECD Asia	67	67	67	66	64	63	-0.2
Japan	59	59	59	58	57	56	-0.2
South Korea	6	6	6	6	6	6	-0.1
Australia/New Zealand	1	1	1	1	1	1	0.1
Total OECD	261	265	240	237	234	231	-0.5
Non-OECD							
Non-OECD Europe and Eurasia . . .	30	31	32	32	31	31	0.1
Russia	9	10	10	10	10	10	0.4
Other	22	22	22	22	22	22	0.0
Non-OECD Asia	56	57	58	57	56	55	-0.1
China	15	15	15	15	14	14	-0.2
India	6	7	7	6	6	6	0.1
Other Non-OECD Asia	35	36	37	36	35	34	-0.1
Middle East	37	43	45	44	44	46	0.9
Africa	10	11	11	10	10	10	-0.1
Central and South America	28	28	28	27	27	26	-0.2
Brazil	4	4	4	4	4	3	-0.2
Other Central and South America . .	24	24	24	24	23	23	-0.2
Total Non-OECD	161	170	173	171	168	168	0.2
Total World	422	435	413	408	403	400	-0.2

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H3. World Installed Natural-Gas-Fired Generating Capacity by Region and Country, 2005-2030
(Gigawatts)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	348	389	405	435	481	535	1.7
United States ^a	316	345	342	352	378	409	1.0
Canada	13	20	31	37	46	54	5.7
Mexico	18	23	32	45	57	72	5.7
OECD Europe	168	209	270	330	359	376	3.3
OECD Asia	101	131	139	146	152	160	1.9
Japan	72	85	82	83	82	84	0.6
South Korea	17	31	38	42	46	50	4.5
Australia/New Zealand	12	16	19	21	24	26	3.1
Total OECD	617	729	815	911	992	1,071	2.2
Non-OECD							
Non-OECD Europe and Eurasia ..	139	186	218	236	257	276	2.8
Russia	95	115	138	150	165	177	2.5
Other	44	71	80	86	92	99	3.2
Non-OECD Asia	104	188	301	450	583	715	8.0
China	16	58	102	191	270	339	13.0
India	15	37	58	78	106	133	9.1
Other Non-OECD Asia	73	93	141	181	207	243	4.9
Middle East	74	100	114	125	136	148	2.8
Africa	34	53	78	103	120	137	5.7
Central and South America	43	65	84	98	109	119	4.2
Brazil	8	17	28	33	38	43	7.0
Other Central and South America ..	35	48	56	65	71	76	3.1
Total Non-OECD	394	592	794	1,012	1,206	1,395	5.2
Total World	1,011	1,321	1,609	1,923	2,198	2,467	3.6

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H4. World Installed Coal-Fired Generating Capacity by Region and Country, 2005-2030
(Gigawatts)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	338	345	354	374	404	439	1.0
United States ^a	314	320	329	349	379	414	1.1
Canada	18	18	18	18	18	18	0.0
Mexico	6	7	7	7	7	7	0.4
OECD Europe	198	212	209	206	203	215	0.3
OECD Asia	97	105	108	109	111	115	0.7
Japan	46	45	44	44	43	42	-0.4
South Korea	21	28	30	30	30	33	1.9
Australia/New Zealand	30	31	33	36	38	40	1.2
Total OECD	634	661	671	690	718	769	0.8
Non-OECD							
Non-OECD Europe and Eurasia . . .	102	102	120	126	131	147	1.5
Russia	45	46	52	58	59	69	1.8
Other	58	57	68	68	72	78	1.2
Non-OECD Asia	425	628	803	961	1,130	1,304	4.6
China	299	478	619	756	897	1,034	5.1
India	79	96	120	140	155	173	3.2
Other Non-OECD Asia	47	54	64	66	79	97	2.9
Middle East	5	6	6	6	6	6	0.6
Africa	39	42	47	50	53	53	1.2
Central and South America	9	12	16	16	16	17	2.5
Brazil	2	4	4	5	5	6	4.5
Other Central and South America . .	7	9	11	11	11	11	1.7
Total Non-OECD	580	790	991	1,159	1,336	1,526	3.9
Total World	1,214	1,451	1,662	1,849	2,055	2,295	2.6

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H5. World Installed Nuclear Generating Capacity by Region and Country, 2005-2030
(Gigawatts)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	114	117	119	128	134	134	0.6
United States ^a	100	101	102	111	116	115	0.6
Canada	13	15	15	16	17	18	1.4
Mexico	1	1	1	1	1	1	0.1
OECD Europe	133	129	126	114	116	118	-0.5
OECD Asia	64	67	74	80	84	88	1.3
Japan	47	49	52	54	56	58	0.8
South Korea	17	18	22	26	28	30	2.4
Australia/New Zealand	0	0	0	0	0	0	—
Total OECD	311	313	318	323	334	341	0.4
Non-OECD							
Non-OECD Europe and Eurasia ..	43	42	46	57	65	66	1.7
Russia	23	23	27	33	40	41	2.3
Other	20	19	19	24	25	25	1.0
Non-OECD Asia	15	21	40	59	75	83	7.0
China	7	9	22	35	45	52	8.5
India	3	5	9	14	18	20	8.2
Other Non-OECD Asia	6	6	8	10	12	11	2.8
Middle East	0	0	1	1	1	1	—
Africa	2	2	2	2	3	3	1.9
Central and South America	3	3	4	5	5	5	1.6
Brazil	2	2	3	3	3	3	1.6
Other Central and South America ..	1	1	1	2	2	2	1.6
Total Non-OECD	63	68	93	124	148	157	3.7
Total World	374	381	411	446	482	498	1.1

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H6. World Installed Hydroelectric and Other Renewable Generating Capacity by Region and Country, 2005-2030
(Gigawatts)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	208	242	259	274	289	300	1.5
United States ^a	121	149	157	166	175	181	1.6
Canada	75	80	88	94	100	105	1.3
Mexico	12	14	14	14	14	14	0.7
OECD Europe	212	223	223	240	255	292	1.3
OECD Asia	45	52	53	54	55	57	0.9
Japan	28	33	33	33	33	34	0.8
South Korea	2	3	4	5	6	7	5.9
Australia/New Zealand	16	16	16	16	16	16	0.0
Total OECD	465	517	535	568	599	649	1.3
Non-OECD							
Non-OECD Europe and Eurasia . . .	94	105	106	107	111	112	0.7
Russia	46	55	55	56	56	56	0.8
Other	48	50	51	51	54	55	0.6
Non-OECD Asia	203	234	237	250	284	316	1.8
China	106	132	132	136	158	179	2.1
India	53	56	56	57	62	66	0.8
Other Non-OECD Asia	43	47	49	57	64	72	2.1
Middle East	8	11	11	12	13	14	2.6
Africa	23	27	29	30	32	38	2.0
Central and South America	132	154	175	202	226	245	2.5
Brazil	75	92	113	135	154	170	3.4
Other Central and South America . .	57	62	62	67	72	75	1.1
Total Non-OECD	458	532	559	601	666	725	1.8
Total World	923	1,049	1,094	1,170	1,265	1,373	1.6

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H7. World Total Net Electricity Generation From Central Producers by Region and Country, 2005-2030
(Billion Kilowatthours)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	4,886	5,222	5,543	5,898	6,247	6,620	1.2
United States ^a	4,054	4,294	4,485	4,723	4,973	5,235	1.0
Canada	610	672	741	793	836	880	1.5
Mexico	222	256	316	381	439	505	3.3
OECD Europe	3,304	3,696	3,971	4,213	4,439	4,666	1.4
OECD Asia	1,669	1,845	1,996	2,077	2,147	2,239	1.2
Japan	1,025	1,097	1,138	1,160	1,176	1,192	0.6
South Korea	366	448	536	573	603	653	2.3
Australia/New Zealand	278	300	322	344	368	393	1.4
Total OECD	9,859	10,764	11,510	12,188	12,834	13,525	1.3
Non-OECD							
Non-OECD Europe and Eurasia . . .	1,498	1,801	2,140	2,386	2,608	2,846	2.6
Russia	884	1,059	1,265	1,409	1,539	1,677	2.6
Other	614	741	874	977	1,069	1,169	2.6
Non-OECD Asia	3,917	5,925	7,828	9,565	11,280	12,906	4.9
China	2,368	3,921	5,212	6,428	7,660	8,814	5.4
India	662	919	1,197	1,444	1,677	1,891	4.3
Other Non-OECD Asia	886	1,084	1,419	1,693	1,944	2,200	3.7
Middle East	603	742	845	934	1,033	1,132	2.6
Africa	533	649	799	956	1,062	1,138	3.1
Central and South America	905	1,118	1,289	1,445	1,583	1,716	2.6
Brazil	392	497	606	699	791	880	3.2
Other Central and South America . .	513	621	683	746	791	835	2.0
Total Non-OECD	7,455	10,234	12,902	15,286	17,565	19,738	4.0
Total World	17,315	20,998	24,412	27,474	30,399	33,264	2.6

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H8. World Net Liquids-Fired Electricity Generation From Central Producers by Region and Country, 2005-2030
(Billion Kilowatthours)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	195	126	123	123	125	123	-1.8
United States ^a	122	55	57	60	64	66	-2.4
Canada	14	13	12	11	10	8	-2.2
Mexico	58	57	55	52	51	48	-0.8
OECD Europe	73	61	52	42	35	32	-3.3
OECD Asia	104	92	81	69	58	46	-3.2
Japan	84	74	64	55	45	35	-3.5
South Korea	18	17	15	14	12	10	-2.3
Australia/New Zealand	1	1	1	1	1	1	-0.7
Total OECD	372	279	256	234	218	200	-2.4
Non-OECD							
Non-OECD Europe and Eurasia ..	57	49	46	45	42	39	-1.5
Russia	27	25	21	19	17	15	-2.4
Other	30	24	25	26	26	24	-0.8
Non-OECD Asia	160	154	145	137	133	122	-1.1
China	45	43	41	39	38	35	-1.1
India	20	21	20	20	20	20	0.0
Other Non-OECD Asia	95	90	85	78	75	68	-1.4
Middle East	218	241	262	282	303	323	1.6
Africa	61	56	51	46	43	37	-1.9
Central and South America	88	80	70	61	53	43	-2.9
Brazil	8	8	8	7	7	7	-0.8
Other Central and South America ..	80	72	62	53	45	36	-3.1
Total Non-OECD	584	579	576	571	574	563	-0.1
Total World	956	858	831	804	791	764	-0.9

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H9. World Net Natural-Gas-Fired Electricity Generation From Central Producers by Region and Country, 2005-2030
(Billion Kilowatthours)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	877	1,062	1,147	1,158	1,162	1,216	1.3
United States ^a	756	908	905	833	768	741	-0.1
Canada	42	52	78	95	106	118	4.2
Mexico	78	102	164	230	288	357	6.3
OECD Europe	710	940	1,249	1,533	1,697	1,863	3.9
OECD Asia	352	447	526	554	579	597	2.1
Japan	261	315	348	367	374	379	1.5
South Korea	56	89	123	126	137	141	3.8
Australia/New Zealand	35	44	55	61	69	76	3.1
Total OECD	1,939	2,449	2,922	3,246	3,438	3,675	2.6
Non-OECD							
Non-OECD Europe and Eurasia ..	506	728	885	997	1,104	1,202	3.5
Russia	350	456	590	646	721	774	3.2
Other	156	272	295	351	383	427	4.1
Non-OECD Asia	392	605	962	1,353	1,549	1,713	6.1
China	51	82	149	232	253	270	6.9
India	35	86	148	213	278	313	9.2
Other Non-OECD Asia	306	437	665	908	1,018	1,130	5.4
Middle East	335	439	512	578	653	731	3.2
Africa	120	211	310	448	516	573	6.5
Central and South America	129	259	334	391	445	495	5.5
Brazil	26	75	102	115	134	151	7.3
Other Central and South America ..	103	185	232	276	310	345	4.9
Total Non-OECD	1,483	2,241	3,002	3,767	4,267	4,714	4.7
Total World	3,422	4,691	5,925	7,013	7,705	8,389	3.7

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H11. World Net Nuclear Electricity Generation From Central Producers by Region and Country, 2005-2030
(Billion Kilowatthours)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	880	917	931	998	1,048	1,063	0.8
United States ^a	782	797	807	868	911	917	0.6
Canada	87	110	113	120	127	135	1.7
Mexico	10	11	11	11	11	11	0.1
OECD Europe	929	914	902	829	854	879	-0.2
OECD Asia	418	440	494	546	583	624	1.6
Japan	278	299	319	336	358	381	1.3
South Korea	139	142	175	210	225	243	2.2
Australia/New Zealand	0	0	0	0	0	0	—
Total OECD	2,227	2,271	2,326	2,373	2,485	2,565	0.6
Non-OECD							
Non-OECD Europe and Eurasia ..	264	289	327	409	472	485	2.5
Russia	140	155	190	236	293	305	3.2
Other	124	134	136	172	180	180	1.5
Non-OECD Asia	106	150	293	446	573	643	7.5
China	50	65	164	267	351	410	8.8
India	16	37	66	104	134	149	9.4
Other Non-OECD Asia	40	47	64	75	88	84	3.0
Middle East	0	0	6	6	6	6	—
Africa	12	14	15	15	21	21	2.2
Central and South America	16	23	28	34	34	34	2.0
Brazil	10	15	18	22	22	22	1.8
Other Central and South America ..	6	8	10	12	11	11	2.4
Total Non-OECD	399	476	669	910	1,106	1,189	4.4
Total World	2,626	2,747	2,996	3,283	3,591	3,754	1.4

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H11. World Net Nuclear Electricity Generation From Central Producers by Region and Country, 2005-2030
(Billion Kilowatthours)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	880	917	931	998	1,048	1,063	0.8
United States ^a	782	797	807	868	911	917	0.6
Canada	87	110	113	120	127	135	1.7
Mexico	10	11	11	11	11	11	0.1
OECD Europe	929	914	902	829	854	879	-0.2
OECD Asia	418	440	494	546	583	624	1.6
Japan	278	299	319	336	358	381	1.3
South Korea	139	142	175	210	225	243	2.2
Australia/New Zealand	0	0	0	0	0	0	—
Total OECD	2,227	2,271	2,326	2,373	2,485	2,565	0.6
Non-OECD							
Non-OECD Europe and Eurasia ..	264	289	327	409	472	485	2.5
Russia	140	155	190	236	293	305	3.2
Other	124	134	136	172	180	180	1.5
Non-OECD Asia	106	150	293	446	573	643	7.5
China	50	65	164	267	351	410	8.8
India	16	37	66	104	134	149	9.4
Other Non-OECD Asia	40	47	64	75	88	84	3.0
Middle East	0	0	6	6	6	6	—
Africa	12	14	15	15	21	21	2.2
Central and South America	21	23	28	34	34	34	2.0
Brazil	14	15	18	22	22	22	1.8
Other Central and South America ..	6	8	10	12	11	11	2.4
Total Non-OECD	403	476	669	910	1,106	1,189	4.4
Total World	2,630	2,747	2,996	3,283	3,591	3,754	1.4

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).

Table H12. World Net Hydroelectric and Other Renewable Electricity Generation From Central Producers by Region and Country, 2005-2030
(Billion Kilowatthours)

Region/Country	History	Projections					Average Annual Percent Change, 2005-2030
	2005	2010	2015	2020	2025	2030	
OECD							
OECD North America	779	913	1,012	1,113	1,190	1,236	1.9
United States ^a	380	478	534	604	655	675	2.3
Canada	363	395	436	466	491	517	1.4
Mexico	35	40	41	43	44	45	0.9
OECD Europe	611	685	686	741	797	848	1.3
OECD Asia	140	168	176	180	186	193	1.3
Japan	98	111	114	116	118	120	0.8
South Korea	3	9	13	17	21	25	8.2
Australia/New Zealand	39	49	49	48	48	48	0.9
Total OECD	1,530	1,766	1,873	2,034	2,174	2,277	1.6
Non-OECD							
Non-OECD Europe and Eurasia ..	279	343	348	348	361	366	1.1
Russia	154	209	209	209	209	209	1.2
Other	126	134	139	139	152	157	0.9
Non-OECD Asia	622	781	796	849	991	1,125	2.4
China	386	486	490	508	605	696	2.4
India	104	149	150	155	173	187	2.4
Other Non-OECD Asia	131	146	156	186	213	241	2.5
Middle East	19	24	27	30	33	36	2.6
Africa	89	103	111	113	125	148	2.0
Central and South America	620	686	764	864	956	1,045	2.1
Brazil	341	386	463	537	608	678	2.8
Other Central and South America ..	279	300	301	328	348	367	1.1
Total Non-OECD	1,630	1,937	2,045	2,205	2,466	2,719	2.1
Total World	3,160	3,703	3,918	4,239	4,640	4,996	1.8

^aIncludes the 50 States and the District of Columbia.

Note: Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 2005* (June-October 2007), web site www.eia.doe.gov/iea. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), AEO2008 National Energy Modeling System, run AEO2008.D030208F, web site www.eia.doe.gov/oiaf/aeo; and World Energy Projection System (2008).