

Table 3. Summary results for AEO2015 Reference case and Clean Power Plan cases, selected years

	2005	2013	2020				2030				2040			
			AEO	CPP	CPPEXT	CPPNUC	AEO	CPP	CPPEXT	CPPNUC	AEO	CPP	CPPEXT	CPPNUC
ELECTRIC GENERATION (billion kWh)														
Coal	2,013	1,586	1,709	1,340	1,324	1,357	1,713	1,153	1,101	1,165	1,702	1,278	904	1,306
Natural Gas	761	1,118	1,117	1,382	1,359	1,371	1,371	1,429	1,464	1,401	1,569	1,456	1,560	1,400
Nuclear	782	789	804	804	804	804	808	808	808	900	833	813	811	962
Hydro	270	267	292	295	296	295	295	299	298	298	297	300	301	299
Wind	18	168	232	272	313	269	245	562	575	548	319	602	812	604
Solar	1	19	51	60	60	60	71	148	151	96	110	275	292	171
Other renewables	69	76	104	114	112	114	146	146	148	138	183	178	184	166
Oil/other	142	47	43	41	41	41	43	40	40	40	43	41	39	41
Total	4,055	4,070	4,351	4,308	4,308	4,311	4,691	4,584	4,586	4,586	5,056	4,942	4,903	4,948
ELECTRIC GENERATION CAPACITY (GW)														
Coal	313	304	263	217	210	222	260	209	200	214	260	209	197	214
Natural gas / Oil	442	470	482	490	491	490	519	518	528	521	595	579	582	578
Nuclear	100	99	101	101	101	101	102	101	101	113	105	102	102	121
Hydro	78	79	80	80	80	80	80	81	81	81	80	81	81	81
Wind	9	61	83	100	114	99	87	192	198	188	110	205	273	206
Solar	0	13	28	32	32	32	39	76	77	51	61	136	146	87
Other renewables	12	15	17	18	18	18	20	23	23	22	24	26	28	25
Other	24	25	26	26	26	26	26	26	26	26	26	26	26	26
Total	978	1,065	1,079	1,065	1,074	1,068	1,133	1,226	1,235	1,215	1,261	1,365	1,435	1,337
ELECTRICITY-RELATED CARBON DIOXIDE EMISSIONS (million metric tons)														
Power sector	2,416	2,053	2,107	1,814	1,794	1,825	2,177	1,596	1,553	1,598	2,195	1,691	1,329	1,696
ELECTRICITY PRICES (2013 cents per kWh)														
Residential	11.0	12.2	12.9	13.5	13.5	13.4	13.6	14.2	14.2	14.2	14.5	14.9	15.3	14.8
Commercial	10.1	10.1	10.6	11.1	11.1	11.1	11.1	11.5	11.5	11.5	11.8	12.1	12.5	12.1
Industrial	6.6	6.9	7.3	7.7	7.7	7.7	7.7	8.0	8.1	8.0	8.4	8.6	9.0	8.5
All Sectors ¹	9.4	10.1	10.5	11.0	11.0	11.0	11.1	11.5	11.5	11.5	11.8	12.1	12.5	12.1
ELECTRICITY EXPENDITURES (billion 2013 dollars)														
Residential	149.0	169.2	183.6	189.8	189.8	189.2	202.9	205.8	205.9	205.7	229.9	230.6	235.0	229.7
Commercial	128.3	135.7	150.1	155.9	156.1	155.4	169.2	170.9	170.8	170.7	195.4	192.8	196.7	192.1
Industrial	67.8	65.8	79.6	83.3	83.1	82.8	91.2	92.7	92.9	92.6	101.5	101.7	105.3	101.3
Total ²	345.1	370.7	413.3	429.1	429.0	427.4	463.3	469.4	469.5	469.0	526.7	525.1	537.0	523.1
ENERGY PRODUCTION (quadrillion Btu)														
Natural Gas	18.6	25.1	29.6	30.9	30.7	30.8	33.9	33.6	33.5	33.5	36.4	35.0	35.2	34.8
Coal	23.2	20.0	21.7	17.6	17.4	17.7	22.5	16.6	16.1	16.7	22.6	18.3	14.6	18.6
Oil	13.3	19.2	27.7	27.7	27.7	27.7	26.8	26.8	26.8	26.7	25.4	25.4	25.5	25.4
Nuclear	8.2	8.3	8.4	8.4	8.4	8.4	8.5	8.5	8.5	9.4	8.7	8.5	8.5	10.1
Renewable	6.2	9.0	10.4	11.0	11.4	11.0	11.0	14.8	15.0	14.1	12.5	16.7	18.9	15.5
Other	0.0	1.3	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9
Total	69.4	82.7	98.7	96.5	96.5	96.5	103.7	101.2	100.7	101.4	106.6	104.9	103.6	105.4

Table 3. Summary results for AEO2015 Reference case and Clean Power Plan cases, selected years (cont.)

	2005	2013	2020				2030				2040			
			AEO	CPP	CPPEXT	CPPNUC	AEO	CPP	CPPEXT	CPPNUC	AEO	CPP	CPPEXT	CPPNUC
OTHER PRICES (2013 \$/MMBtu, unless otherwise noted)														
Natural Gas (Henry Hub)	10.08	3.73	4.88	5.83	5.78	5.80	5.69	5.86	5.90	5.82	7.85	8.15	8.12	8.11
Average Delivered Natural Gas Price to Electric Power Sector	9.55	4.40	5.39	6.47	6.36	6.41	6.22	6.38	6.41	6.29	8.28	8.32	8.33	8.13
Steam Coal Minemouth Price (2013\$/short-ton)	24.79	31.31	32.64	32.75	32.80	32.82	36.49	32.78	33.65	32.77	40.94	37.48	36.06	37.51
Steam Coal Price Delivered to Electric Power Sector	1.79	2.34	2.38	2.29	2.29	2.30	2.67	2.33	2.32	2.32	2.92	2.61	2.41	2.63
Brent Spot Price (2013 dollars per barrel)	63.32	108.64	79.13	79.09	79.10	79.09	105.64	105.64	105.64	105.64	141.28	141.31	141.47	141.46
ECONOMIC INDICATORS (billion 2009 chain-weighted dollars, unless otherwise noted)														
Gross domestic product	14,234	15,710	18,801	18,739	18,732	18,744	23,894	23,866	23,855	23,862	29,898	29,886	29,831	29,899
Total industrial shipments	7,464	7,004	8,467	8,423	8,417	8,426	9,870	9,810	9,801	9,810	11,463	11,418	11,374	11,423
Non-farm employment (millions)	134	136	149	149	149	149	159	159	159	159	169	169	169	169
Average Annual Change in CPI from 2013 (%)	-	0.00%	1.75%	1.82%	1.83%	1.81%	1.85%	1.88%	1.88%	1.88%	1.98%	1.99%	2.00%	1.99%
END-USE ENERGY CONSUMPTION (quadrillion Btu)														
Liquids	39.1	35.6	36.9	36.7	36.7	36.7	36.3	36.0	36.0	36.1	36.0	35.9	35.8	35.9
Natural Gas	16.6	18.5	19.0	18.9	18.9	18.9	19.8	19.7	19.6	19.7	20.9	20.7	20.7	20.8
Electricity	12.5	12.6	13.4	13.3	13.3	13.3	14.3	14.0	14.0	14.0	15.3	14.8	14.7	14.8
Coal	2.1	1.5	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
PRIMARY ENERGY (quadrillion Btu)														
Consumption	100.2	97.1	100.8	99.0	99.0	99.0	102.9	100.4	100.2	100.6	105.7	104.0	102.7	104.4
Imports	34.7	24.5	20.2	20.2	20.1	20.2	21.7	21.3	21.3	21.3	24.1	23.7	23.5	23.7
Exports	4.5	11.7	18.1	17.7	17.7	17.8	22.4	21.9	21.7	21.9	24.6	24.3	24.1	24.4
Production	69.4	82.7	98.7	96.5	96.5	96.5	103.7	101.2	100.7	101.4	106.6	104.9	103.6	105.4

¹All sector average price includes transportation sector.

²Total expenditures exclude transportation sector.

Source: U.S. Energy Information Administration.