

Table 67. Electric Power Projections for EMM Region
 Northeast Power Coordinating Council / New York - 06

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Electricity Generating Capacity 1/																				
(gigawatts)																				
Electric Power Sector																				
Coal Steam	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.50	3.78
Other Fossil Steam 2/	11.92	11.76	11.39	11.39	11.39	11.39	11.39	11.39	8.11	8.11	8.11	8.11	8.11	8.11	8.11	8.11	8.11	8.11	8.11	8.11
Combined Cycle	5.75	7.90	8.65	8.65	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.97	9.17	9.34	9.51	9.72	9.95	10.16	10.16	10.16
Combustion Turbine/Diesel	4.54	4.54	4.54	4.71	4.71	4.71	4.71	4.71	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.44
Nuclear Power	5.75	5.83	5.83	5.83	5.83	5.83	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92
Pumped Storage/Other 3/	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	6.88	7.02	7.13	7.13	7.13	7.13	7.13	7.13	7.13	7.13	7.16	7.16	7.16	7.16	7.16	7.16	7.16	7.16	7.16	7.16
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03
Total Capacity	39.36	41.57	42.06	42.23	42.38	42.38	42.47	42.47	37.92	37.87	37.96	38.13	38.32	38.50	38.67	38.89	39.12	39.33	39.61	39.90
Cumulative Planned Additions 6/																				
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Fossil Steam 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combined Cycle	0.00	0.00	0.80	0.80	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Combustion Turbine/Diesel	0.00	0.00	0.00	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	0.00	0.00	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Planned Additions	0.00	0.00	0.91	1.08	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Cumulative Unplanned Additions 6/																				
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.33	0.61
Other Fossil Steam 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.36	0.54	0.71	0.92	1.14	1.35	1.35	1.35
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.26	0.45	0.63	0.80	1.01	1.25	1.46	1.74	2.02
Total Unplanned Additions	0.00	0.00	0.91	1.08	1.24	1.24	1.24	1.24	1.24	1.24	1.33	1.50	1.69	1.87	2.04	2.25	2.48	2.70	2.97	3.26
Cumulative Retirements 7/																				
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05
Other Fossil Steam 3/	0.00	0.00	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Combined Cycle	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03
Total Unplanned Additions	0.00	0.00	0.91	1.08	1.24	1.24	1.24	1.24	1.24	1.24	1.33	1.50	1.69	1.87	2.04	2.25	2.48	2.70	2.97	3.26

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 DOSSIER R-3648-2007
 DÉPOSÉE EN AUDIENCE
 Phase I
 Date: 01/05/2008
 Pièces n°: A27

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.42	0.42	0.42	0.42	0.42	0.42	4.97	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02

End-Use Sectors 8/

Coal	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Petroleum	0.18	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Natural Gas	0.13	0.13	0.13	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.22	0.23	0.23	0.24
Other Gaseous Fuels	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.22
Renewable Sources 4/	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07
Other	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Total	0.81	0.79	0.80	0.81	0.83	0.83	0.84	0.87	0.87	0.88	0.89	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97

Electricity Demand
(billion kilowatt-hours)

Residential	49.58	53.11	52.65	53.27	54.24	54.75	55.38	55.81	56.29	56.40	56.64	56.90	57.33	57.45	57.71	58.02	58.48	58.52	58.80	59.06
Commercial/Other	71.38	72.97	71.77	71.21	71.70	73.00	74.28	75.69	76.80	77.80	78.74	79.64	80.56	81.47	82.33	83.23	84.19	85.17	86.21	87.25
Industrial	24.21	24.28	23.44	23.28	23.03	23.00	23.15	23.35	23.47	23.54	23.58	23.58	23.62	23.48	23.31	23.27	23.24	23.17	23.11	22.98
Transportation	1.42	1.43	1.39	1.40	1.41	1.42	1.43	1.44	1.45	1.45	1.46	1.47	1.47	1.48	1.48	1.49	1.49	1.50	1.50	1.50
Total Sales	146.59	151.78	149.24	149.15	150.38	152.17	154.24	156.30	158.01	159.19	160.42	161.59	162.98	163.88	164.84	166.01	167.40	168.35	169.62	170.79

Net Energy for Load (billion kilowatt-hours) 7/

Gross International Imports	9.46	10.72	14.68	12.10	8.86	8.21	8.48	7.49	7.23	10.27	9.65	1.56	1.89	5.18	3.59	6.30	5.14	5.78	6.13	6.47
Gross International Exports	4.26	3.42	3.84	4.72	4.24	4.82	4.38	4.44	4.58	4.64	4.41	4.18	3.96	3.84	3.72	3.53	3.42	3.32	3.21	3.19
Gross Interregional Electricity Imports	4.98	18.70	11.32	5.68	3.26	5.19	5.19	5.19	3.45	0.57	1.13	5.01	3.94	0.83	1.07	2.10	4.30	5.99	7.82	10.21
Gross Interregional Electricity Exports	5.21	8.94	8.23	3.26	3.03	4.00	4.04	3.75	5.25	3.69	4.70	4.56	4.16	3.79	3.36	3.31	3.55	3.64	3.42	3.71
Purchases from Combined Heat and Power	0.52	0.49	0.53	0.66	0.67	0.68	0.70	0.71	0.73	0.74	0.76	0.77	0.79	0.81	0.82	0.84	0.86	0.88	0.90	0.92
Electric Power Sector Generation for Customer	138.99	147.00	145.51	149.16	155.31	157.32	158.75	161.54	166.89	166.45	168.42	173.31	174.99	175.27	177.07	174.32	174.87	173.53	172.36	171.12
Total Net Energy for Load	144.47	164.56	159.98	159.62	160.82	162.58	164.69	166.75	168.46	169.71	170.86	171.92	173.50	174.45	175.48	176.72	178.21	179.22	180.58	181.82

Generation by Fuel Type
(billion kilowatt-hours)

Coal	19.02	17.76	20.50	19.24	19.23	19.68	20.19	20.65	20.41	20.83	21.55	21.91	21.76	22.42	22.46	22.46	22.46	22.50	24.55	26.57
Petroleum	21.15	23.89	9.96	19.36	19.51	19.56	19.65	19.79	22.53	22.51	22.55	22.59	22.62	22.63	22.64	22.48	22.45	22.33	22.18	22.13
Natural Gas	28.48	33.61	35.49	30.08	36.62	39.17	39.98	42.37	45.19	44.56	45.49	50.01	51.66	51.24	53.04	50.44	51.03	49.81	46.76	43.48
Nuclear	46.58	47.92	46.64	46.64	46.41	45.93	46.59	46.59	46.59	46.59	46.59	46.59	46.59	46.59	46.59	46.59	46.59	46.59	46.59	46.59
Pumped Storage/Other 3/	-0.81	-0.78	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57
Renewable Sources 4/	26.30	26.40	35.04	35.97	35.66	35.11	34.47	34.27	34.23	34.03	34.30	34.28	34.42	34.46	34.41	34.41	34.41	34.36	34.34	34.41
Total Generation	140.77	148.80	147.07	150.72	156.87	158.88	160.32	163.11	168.38	167.95	169.92	174.81	176.49	176.77	178.57	175.82	176.37	175.03	173.86	172.62
Sales to Customers	138.99	147.00	145.51	149.16	155.31	157.32	158.75	161.54	166.89	166.45	168.42	173.31	174.99	175.27	177.07	174.32	174.87	173.53	172.36	171.12
Generation for Own Use	1.73	1.80	1.56	1.56	1.56	1.56	1.57	1.57	1.49	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01

End-Use Sectors 8/

Coal	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Petroleum	0.25	0.24	0.25	0.46	0.46	0.46	0.46	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.55
Natural Gas	1.20	1.12	1.13	1.26	1.32	1.37	1.42	1.48	1.54	1.59	1.65	1.71	1.77	1.83	1.91	1.98	2.07	2.15	2.22	2.32
Other Gaseous Fuels	0.24	0.20	0.15	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22
Renewable Sources 4/	0.44	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.50	0.50	0.51	0.52	0.53	0.54	0.55	0.56
Other	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Total	2.92	2.75	2.72	3.10	3.17	3.22	3.28	3.43	3.49	3.56	3.64	3.70	3.77	3.85	3.94	4.01	4.13	4.22	4.30	4.42
Sales to Utilities	0.52	0.49	0.53	0.66	0.67	0.68	0.70	0.71	0.73	0.74	0.76	0.77	0.79	0.81	0.82	0.84	0.86	0.88	0.90	0.92
Generation for Own Use	2.40	2.25	2.20	2.44	2.50	2.54	2.59	2.72	2.77	2.82	2.88	2.93	2.98	3.04	3.11	3.17	3.27	3.33	3.40	3.50

Total Electricity Generation

	143.64	151.55	149.79	153.82	160.04	162.10	163.60	166.54	171.88	171.51	173.55	178.51	180.26	180.61	182.51	179.84	180.51	179.25	178.17	177.05
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End-Use Prices (2005 cents per kilowatthour)	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Residential	15.0	15.6	14.5	13.9	13.8	13.7	13.5	13.3	13.7	13.6	13.6	13.6	13.7	13.8	13.8	13.8	13.8	13.8	13.9	13.9
Commercial	13.4	14.3	13.7	13.0	12.7	12.1	11.5	10.9	11.2	11.1	11.0	11.1	11.1	11.2	11.3	11.3	11.3	11.3	11.3	11.3
Industrial	7.3	8.2	8.3	7.9	7.7	7.4	7.1	6.7	6.9	6.8	6.7	6.7	6.8	6.9	6.9	6.9	6.9	6.9	6.9	7.0
Transportation	11.3	11.3	11.7	11.6	11.5	11.3	11.0	10.7	10.9	10.8	10.7	10.7	10.8	10.9	10.9	10.9	10.9	10.9	10.9	11.0
All Sectors Average	12.9	13.9	13.1	12.5	12.3	11.9	11.5	11.1	11.5	11.3	11.3	11.3	11.4	11.5	11.6	11.6	11.6	11.6	11.6	11.7
Prices by Service Category (2005 cents per kilowatthour)																				
Generation	7.8	8.6	7.8	7.2	7.0	6.6	6.2	5.8	6.1	6.0	5.9	5.9	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.2
Transmission	1.5	1.6	1.6	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	1.5	1.5
Distribution	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Fuel Consumption (quadrillion Btu) 9/																				
Coal	0.19	0.22	0.22	0.20	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.26	0.27
Natural Gas	0.27	0.32	0.34	0.26	0.31	0.33	0.34	0.35	0.37	0.36	0.37	0.40	0.41	0.41	0.42	0.40	0.40	0.39	0.37	0.35
Oil	0.22	0.25	0.11	0.21	0.21	0.21	0.21	0.22	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24
Total	0.69	0.78	0.67	0.68	0.73	0.76	0.77	0.79	0.83	0.83	0.84	0.88	0.89	0.89	0.90	0.88	0.89	0.87	0.87	0.86
Fuel Prices (dollars per million Btu)																				
Coal	1.32	1.58	1.60	1.72	1.77	1.85	2.12	2.00	1.97	1.94	1.92	1.89	1.81	1.82	1.80	1.80	1.77	1.77	1.76	1.76
Natural Gas	6.90	9.32	7.91	7.70	7.22	6.64	6.36	5.95	5.78	5.55	5.57	5.52	5.61	5.80	5.78	5.74	5.81	5.75	5.84	5.94
Distillate Fuel Oil	9.13	11.39	14.13	16.53	14.19	13.10	12.16	11.34	10.69	9.92	9.86	9.94	9.98	10.07	10.16	10.38	10.47	10.59	10.74	10.68
Residual Fuel Oil	5.15	7.36	8.81	5.85	5.16	4.98	4.71	4.33	4.24	3.69	3.80	3.94	3.95	4.01	4.11	4.37	4.35	4.49	4.73	4.48
Biomass	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.78	0.73	0.73	0.84	0.84	0.89
Emissions 10/																				
Total Carbon (million tons)	14.98	14.83	14.19	15.07	15.84	16.32	16.59	17.03	17.78	17.83	18.13	18.78	18.92	19.09	19.30	18.95	18.97	18.81	18.84	18.88
Carbon Dioxide (million tons)	54.93	54.39	52.04	55.24	58.09	59.86	60.81	62.44	65.18	65.39	66.49	68.87	69.36	70.00	70.77	69.48	69.57	68.97	69.10	69.24
Sulfur Dioxide (million tons)	0.28	0.25	0.21	0.23	0.25	0.22	0.20	0.19	0.20	0.19	0.18	0.18	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Nitrogen Oxide (million tons)	0.05	0.05	0.06	0.06	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Mercury (tons)	0.85	0.71	0.72	0.81	0.73	0.70	0.45	0.37	0.28	0.28	0.27	0.26	0.25	0.24	0.22	0.22	0.23	0.23	0.27	0.27

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators.

2/ Includes oil-, gas-, and dual-fired capacity.

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Primarily peak-load capacity fueled by natural gas.

6/ Cumulative additions after December 31, 2005.

7/ Generation to meet system load by source.

8/ Includes combined heat and power plants and electricity-only plants in the commercial and industrial sectors, and small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).

O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.

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

Sources: 2005 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). Other 2005 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, August 2000) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

	2024	2025	2026	2027	2028	2029	2030	2030
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	5.02	5.02	5.02	5.02	5.02	5.02	5.60	N/A

End-Use Sectors 8/	2024	2025	2026	2027	2028	2029	2030	2030
Coal	0.18	0.18	0.18	0.18	0.18	0.18	0.18	N/A
Petroleum	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.7%
Natural Gas	0.25	0.25	0.26	0.27	0.28	0.28	0.29	3.3%
Other Gaseous Fuels	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.4%
Renewable Sources 4/	0.07	0.08	0.08	0.08	0.08	0.09	0.09	2.6%
Other	0.06	0.06	0.06	0.06	0.06	0.06	0.06	N/A
Total	0.98	0.99	1.01	1.02	1.03	1.04	1.06	1.2%

Electricity Demand (billion kilowatt-hours)	2024	2025	2026	2027	2028	2029	2030	2030
Commercial/Residential	59.45	59.53	59.77	60.03	60.40	60.42	60.60	0.5%
Industrial	88.23	89.27	90.36	91.51	92.65	93.82	95.01	1.1%
Transportation	22.86	22.81	22.79	22.75	22.69	22.63	22.61	-0.3%
Total Sales	1.50	1.51	1.51	1.51	1.51	1.51	1.51	0.2%
Total	172.05	173.11	174.43	175.80	177.25	178.38	179.72	0.7%

Net Energy for Load (billion kilowatt-hours) 7/	2024	2025	2026	2027	2028	2029	2030	2030
Gross International Imports	6.78	5.02	4.72	2.76	2.45	2.18	2.60	-5.5%
Gross International Exports	3.18	3.16	3.16	3.16	3.16	3.16	3.16	-0.3%
Gross Interregional Electricity Imports	10.14	11.07	12.52	13.79	13.78	13.79	13.79	-1.2%
Gross Interregional Electricity Exports	4.14	4.39	4.32	4.08	5.27	5.53	5.58	-1.9%
Purchases from Combined Heat and Power 1/	0.94	0.96	0.99	1.00	1.02	1.05	1.07	3.1%
Electric Power Sector Generation for Customer 2/	172.61	174.78	174.95	176.84	179.88	181.57	182.61	0.9%
Total Net Energy for Load	183.16	184.29	185.69	187.16	188.71	189.90	191.34	0.6%

Generation by Fuel Type (billion kilowatt-hours)	2024	2025	2026	2027	2028	2029	2030	2030
Electric Power Sector	28.76	30.79	33.13	35.69	38.27	41.20	48.17	4.1%
Coal	22.10	22.11	22.01	21.97	22.00	21.97	21.97	-0.3%
Petroleum	42.82	42.95	40.88	40.24	40.67	39.45	38.26	0.5%
Natural Gas	46.59	46.59	46.59	46.59	46.59	46.59	41.87	-0.5%
Nuclear	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-0.57	-1.3%
Pumped Storage/Other 3/	34.41	34.41	34.41	34.41	34.42	34.42	34.41	1.1%
Renewable Sources 4/	174.11	176.28	176.45	178.34	181.38	183.07	184.11	0.9%
Total Generation	172.61	174.78	174.95	176.84	179.88	181.57	182.61	0.9%
Sales to Customers	1.50	1.50	1.50	1.50	1.50	1.50	1.50	-0.7%
Generation for Own Use	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Distributed Generation 5/								

End-Use Sectors 8/	2024	2025	2026	2027	2028	2029	2030	2030
Coal	0.70	0.70	0.70	0.70	0.70	0.70	0.70	N/A
Petroleum	0.55	0.55	0.56	0.56	0.56	0.56	0.56	3.4%
Natural Gas	2.39	2.47	2.57	2.65	2.73	2.83	2.92	3.9%
Other Gaseous Fuels	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.8%
Renewable Sources 4/	0.57	0.58	0.59	0.61	0.62	0.64	0.66	1.9%
Other	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.0%
Total	4.51	4.60	4.72	4.82	4.91	5.05	5.15	2.5%
Sales to Utilities	0.94	0.96	0.99	1.00	1.02	1.05	1.07	3.1%
Generation for Own Use	3.56	3.64	3.74	3.81	3.89	4.00	4.08	2.4%
Total Electricity Generation	178.63	180.89	181.19	183.18	186.30	188.13	189.27	0.9%

End-Use Prices (2005 cents per kilowatthour)		2024	2025	2026	2027	2028	2029	2030	2030	
Residential		14.0	14.0	14.0	14.1	14.2	14.3	14.3	-0.4%	
Commercial		11.4	11.4	11.4	11.4	11.4	11.5	11.5	-0.9%	
Industrial		7.1	7.1	7.1	7.1	7.2	7.2	7.2	-0.5%	
Transportation		11.1	11.1	11.1	11.1	11.2	11.2	11.2	0.0%	
All Sectors Average		11.7	11.7	11.7	11.8	11.8	11.9	11.9	-0.6%	
Prices by Service Category (2005 cents per kilowatthour)										
Generation		6.3	6.3	6.3	6.3	6.4	6.5	6.4	-1.1%	
Transmission		1.5	1.5	1.5	1.5	1.5	1.5	1.5	-0.2%	
Distribution		3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.2%	
Fuel Consumption (quadrillion Btu) 9/										
Coal		0.29	0.30	0.32	0.34	0.35	0.38	0.43	2.8%	
Natural Gas		0.34	0.34	0.33	0.32	0.32	0.32	0.31	-0.1%	
Oil		0.24	0.24	0.24	0.24	0.24	0.24	0.24	-0.1%	
Total		0.87	0.88	0.89	0.90	0.92	0.93	0.98	0.9%	
Fuel Prices (dollars per million Btu)										
Coal		1.77	1.80	1.82	1.81	1.84	1.85	1.88	0.7%	
Natural Gas		6.03	6.01	6.01	6.10	6.22	6.28	6.29	-1.6%	
Distillate Fuel Oil		10.83	10.87	10.93	11.11	11.20	11.36	11.43	0.0%	
Residual Fuel Oil		4.77	4.81	4.74	4.78	4.86	4.77	4.83	-1.7%	
Biomass		1.03	0.94	0.86	0.98	1.00	1.01	1.86	3.8%	
Emissions 10/										
Total Carbon (million tons)		19.24	19.67	19.89	20.32	20.91	21.35	22.71	1.7%	
Carbon Dioxide (million tons)		70.56	72.13	72.94	74.52	76.67	78.29	83.26	1.7%	
Sulfur Dioxide (million tons)		0.16	0.16	0.16	0.16	0.16	0.16	0.16	-1.8%	
Nitrogen Oxide (million tons)		0.04	0.04	0.04	0.04	0.04	0.04	0.04	-1.2%	
Mercury (tons)		0.27	0.27	0.27	0.28	0.28	0.29	0.31	-3.3%	

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.27	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49

End-Use Sectors 8/

Coal	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
Petroleum	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36
Natural Gas	0.18	0.17	0.18	0.20	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.32
Other Gaseous Fuels	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38
Renewable Sources 4/	0.67	0.65	0.67	0.69	0.70	0.72	0.74	0.75	0.77	0.79	0.80	0.81	0.83	0.84	0.85	0.87	0.89	0.91	0.92	0.95
Other	0.06	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	0.05	0.05	0.05	0.05	0.05	0.05
Total	1.56	1.54	1.56	1.60	1.63	1.65	1.68	1.74	1.76	1.79	1.81	1.83	1.85	1.88	1.90	1.92	1.96	1.99	2.02	2.06

Electricity Demand

(billion kilowatthours)

Residential	46.76	48.91	49.68	50.54	51.78	52.51	53.23	53.73	54.40	54.66	55.08	55.44	55.99	56.29	56.73	57.19	57.80	57.93	58.32	58.69
Commercial/Other	53.89	53.92	54.27	54.42	55.47	56.75	57.88	59.17	60.47	61.65	62.78	63.76	64.85	66.01	67.12	68.23	69.37	70.52	71.78	73.02
Industrial	24.29	24.72	23.63	23.79	23.63	23.60	23.76	23.95	24.06	24.10	24.15	24.14	24.16	24.01	23.82	23.76	23.72	23.64	23.57	23.44
Transportation	1.21	1.22	1.22	1.23	1.24	1.26	1.27	1.28	1.29	1.30	1.30	1.31	1.32	1.33	1.34	1.34	1.35	1.36	1.36	1.37
Total Sales	126.15	128.77	128.80	129.98	132.12	134.11	136.13	138.13	140.22	141.72	143.31	144.65	146.32	147.64	149.01	150.52	152.24	153.45	155.03	156.52

Net Energy for Load (billion kilowatthours) 7/

Gross International Exports	8.22	9.58	8.58	6.89	6.39	3.20	5.40	6.69	5.99	4.86	3.89	7.19	8.93	8.33	8.54	7.35	6.66	6.49	6.27	5.96
Gross International Imports	0.28	0.84	0.55	0.54	0.52	0.51	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Gross Interregional Electricity Imports	6.19	9.84	9.21	4.29	4.06	5.01	5.05	4.77	6.25	4.60	5.42	5.16	4.63	4.14	3.59	3.42	3.57	3.53	3.23	3.20
Gross Interregional Electricity Exports	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Purchases from Combined Heat and Power ¹	1.69	1.56	1.69	2.16	2.20	2.23	2.27	2.33	2.37	2.42	2.47	2.51	2.55	2.60	2.65	2.70	2.76	2.82	2.87	2.94
Electric Power Sector Generation for Customer ²	116.20	119.08	118.99	126.28	129.18	133.39	133.16	134.11	135.42	139.66	141.34	139.59	140.12	142.56	144.31	147.23	149.54	150.98	153.13	154.99
Total Net Energy for Load	132.00	139.20	137.92	139.09	141.30	143.31	145.38	147.41	149.54	151.04	152.62	153.95	155.73	157.14	158.59	160.20	162.04	163.32	165.01	166.59

Generation by Fuel Type

(billion kilowatthours)

Coal	22.16	22.86	21.82	22.16	22.61	23.31	23.15	23.68	24.34	24.46	25.21	25.24	25.33	25.36	25.35	25.39	25.39	25.31	25.32	25.16
Petroleum	11.07	11.60	5.58	6.80	7.09	7.07	7.62	8.01	7.46	11.42	11.43	9.80	8.20	7.82	7.29	7.07	7.05	6.61	6.57	6.56
Natural Gas	43.67	46.42	52.87	56.87	59.49	63.30	62.12	62.39	63.24	63.26	63.46	63.28	65.44	68.21	70.45	73.60	75.87	77.80	79.95	81.81
Nuclear	30.58	29.09	29.53	29.53	29.43	29.30	30.11	30.11	30.11	30.11	30.11	30.11	30.11	30.11	30.11	30.11	30.11	30.11	30.11	30.11
Pumped Storage/Other 3/	-0.45	-0.45	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52
Renewable Sources 4/	13.36	13.80	13.16	14.91	14.56	14.38	14.20	13.97	14.05	14.17	14.91	14.94	14.82	14.84	14.90	14.84	14.90	14.93	14.97	15.13
Total Generation	120.34	123.34	122.43	129.74	132.65	136.87	136.67	137.63	138.68	142.90	144.59	142.85	143.37	145.81	147.57	150.49	152.79	154.24	156.39	158.25
Sales to Customers	116.20	119.08	118.99	126.28	129.18	133.39	133.16	134.11	135.42	139.66	141.34	139.59	140.12	142.56	144.31	147.23	149.54	150.98	153.13	154.99
Generation for Own Use	4.14	4.26	3.45	3.46	3.47	3.48	3.51	3.52	3.25	3.24	3.25	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.07	0.09	0.12	0.14

End-Use Sectors 8/

Coal	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Petroleum	1.25	1.24	1.25	2.34	2.37	2.37	2.37	2.73	2.73	2.73	2.74	2.74	2.74	2.75	2.77	2.77	2.79	2.79	2.79	2.82
Natural Gas	2.75	2.58	2.60	2.91	3.03	3.14	3.27	3.42	3.53	3.66	3.80	3.94	4.07	4.22	4.39	4.55	4.76	4.94	5.12	5.33
Other Gaseous Fuels	1.20	1.00	0.77	0.86	0.91	0.91	0.91	0.94	0.94	0.94	0.96	0.96	0.96	0.99	1.01	1.01	1.06	1.06	1.06	1.11
Renewable Sources 4/	3.42	3.18	3.24	3.31	3.33	3.36	3.42	3.49	3.56	3.63	3.70	3.75	3.82	3.87	3.92	3.98	4.05	4.12	4.19	4.27
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.83	8.20	8.08	9.63	9.86	10.00	10.18	10.78	10.98	11.17	11.42	11.61	11.81	12.05	12.30	12.53	12.88	13.14	13.38	13.75
Sales to Utilities	1.69	1.56	1.69	2.16	2.20	2.23	2.27	2.33	2.37	2.42	2.47	2.51	2.55	2.60	2.65	2.70	2.76	2.82	2.87	2.94
Generation for Own Use	7.14	6.64	6.39	7.47	7.66	7.77	7.91	8.45	8.60	8.76	8.95	9.10	9.25	9.44	9.65	9.83	10.12	10.32	10.51	10.81

Total Electricity Generation

	129.16	131.54	130.51	139.37	142.50	146.86	146.85	148.41	149.65	154.07	156.01	154.47	155.20	157.89	159.91	163.06	165.75	167.46	169.88	172.14
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End-Use Prices (2005 cents per kilowatt-hour)	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Residential	12.3	13.4	13.2	12.0	11.8	11.8	11.8	11.6	11.5	11.6	11.5	11.7	11.6	11.6	11.7	11.7	11.7	11.8	11.7	11.8
Commercial	11.0	11.9	12.1	10.8	10.5	10.2	10.0	9.5	9.4	9.4	9.3	9.6	9.5	9.5	9.7	9.6	9.6	9.7	9.6	9.7
Industrial	8.5	9.1	10.8	10.1	9.9	9.3	8.7	8.0	7.5	7.5	7.3	7.5	7.4	7.4	7.5	7.5	7.5	7.6	7.5	7.6
Transportation	11.0	10.1	11.3	10.4	10.2	10.1	10.0	9.7	9.5	9.6	9.4	9.5	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5
All Sectors Average	11.0	12.0	12.3	11.2	10.9	10.7	10.5	10.1	9.9	10.0	9.8	10.0	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.1
Prices by Service Category (2005 cents per kilowatt-hour)																				
Generation	6.6	7.7	8.0	6.8	6.6	6.3	6.1	5.7	5.5	5.6	5.4	5.7	5.6	5.6	5.7	5.7	5.7	5.8	5.7	5.8
Transmission	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	1.1	1.2	1.2	1.2	1.2	1.2	1.1
Distribution	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Fuel Consumption (quadrillion Btu) 9/																				
Coal	0.20	0.23	0.23	0.24	0.24	0.25	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Natural Gas	0.35	0.36	0.40	0.43	0.45	0.47	0.46	0.47	0.47	0.47	0.48	0.48	0.49	0.51	0.52	0.54	0.55	0.57	0.58	0.59
Oil	0.11	0.12	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.12	0.12	0.10	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.07
Total	0.66	0.71	0.69	0.73	0.76	0.80	0.79	0.79	0.80	0.84	0.85	0.84	0.84	0.85	0.86	0.88	0.89	0.90	0.91	0.92
Fuel Prices (dollars per million Btu)																				
Coal	2.13	2.37	1.98	2.12	2.20	2.26	2.74	2.82	2.87	2.90	2.91	2.87	2.87	2.89	2.89	2.85	2.85	2.83	2.84	2.85
Natural Gas	6.80	9.38	8.00	7.91	7.40	6.79	6.47	6.10	5.95	5.66	5.69	5.61	5.68	5.91	5.85	5.80	5.91	5.81	5.95	6.08
Distillate Fuel Oil	9.24	11.52	14.40	14.49	12.37	11.25	10.29	9.45	8.79	8.00	7.94	8.02	8.06	8.14	8.23	8.45	8.54	8.65	8.81	8.75
Residual Fuel Oil	4.85	6.89	8.24	6.16	5.43	5.25	4.98	4.59	4.50	3.96	4.07	4.20	4.21	4.28	4.37	4.64	4.62	4.76	4.99	4.75
Biomass	2.24	2.40	2.47	2.42	2.31	2.24	2.22	2.23	2.24	2.21	2.24	2.25	2.25	2.25	2.26	2.23	2.22	2.20	2.19	2.20
Emissions 10/																				
Total Carbon (million tons)	16.64	14.83	14.42	15.23	15.75	16.43	16.20	16.42	16.61	17.57	17.86	17.44	17.31	17.51	17.60	17.89	18.10	18.15	18.35	18.48
Carbon Dioxide (million tons)	61.02	54.38	52.88	55.85	57.74	60.23	59.39	60.19	60.89	64.44	65.47	63.96	63.48	64.21	64.55	65.59	66.36	66.56	67.27	67.75
Sulfur Dioxide (million tons)	0.26	0.19	0.17	0.17	0.18	0.17	0.15	0.15	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Nitrogen Oxide (million tons)	0.04	0.04	0.06	0.06	0.06	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Mercury (tons)	0.82	0.65	0.69	0.83	0.83	0.81	0.72	0.69	0.70	0.55	0.40	0.39	0.41	0.39	0.43	0.37	0.35	0.35	0.34	0.33

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators.

2/ Includes oil-, gas-, and dual-fired capacity.

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Primarily peak-load capacity fueled by natural gas.

6/ Cumulative additions after December 31, 2005.

7/ Generation to meet system load by source.

8/ Includes combined heat and power plants and electricity-only plants in the commercial and industrial sectors; and small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).

O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.

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

Sources: 2005 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). Other 2005 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, August 2000) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

	2024	2025	2026	2027	2028	2029	2030	2030
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	2.49	2.49	2.49	2.49	2.49	2.50	2.50	N/A

	2024	2025	2026	2027	2028	2029	2030	2030
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Petroleum	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.7%
Natural Gas	0.33	0.34	0.35	0.36	0.36	0.38	0.39	3.3%
Other Gaseous Fuels	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.4%
Renewable Sources 4/	0.98	1.01	1.04	1.08	1.13	1.17	1.24	2.6%
Other	0.05	0.05	0.05	0.05	0.05	0.05	0.05	N/A
Total	2.10	2.14	2.19	2.24	2.29	2.36	2.44	1.9%

	2024	2025	2026	2027	2028	2029	2030	2030
Residential	59.20	59.38	59.71	60.03	60.45	60.50	60.75	0.9%
Commercial/Other	74.29	75.59	76.92	78.29	79.54	80.88	82.38	1.7%
Industrial	23.31	23.25	23.21	23.17	23.08	23.00	22.96	-0.3%
Transportation	1.37	1.38	1.38	1.38	1.39	1.39	1.39	0.5%
Total Sales	158.17	159.59	161.22	162.88	164.46	165.76	167.48	1.1%

	2024	2025	2026	2027	2028	2029	2030	2030
Gross International Imports	6.22	6.26	6.58	6.67	6.90	6.90	6.90	-0.3%
Gross International Exports	0.49	0.49	0.49	0.49	0.49	0.49	0.49	-2.1%
Gross Interregional Electricity Imports	2.93	3.29	3.30	3.18	4.41	4.25	4.66	-2.9%
Gross Interregional Electricity Exports	0.00	0.00	0.01	0.02	0.01	0.02	0.02	6.1%
Purchases from Combined Heat and Power 1	2.99	3.05	3.12	3.18	3.24	3.32	3.38	3.2%
Electric Power Sector Generation for Customer	156.71	157.76	159.08	158.82	158.87	160.15	161.90	1.2%
Total Net Energy for Load	168.35	169.86	171.58	173.34	175.02	176.43	178.23	1.0%

Generation by Fuel Type
(billion kilowatt-hours)

	2024	2025	2026	2027	2028	2029	2030	2030
Coal	25.16	25.17	25.10	25.03	25.01	24.85	24.77	0.3%
Petroleum	6.53	6.49	6.48	6.41	6.53	6.32	6.31	-2.4%
Natural Gas	83.57	84.66	86.01	85.80	85.65	81.69	77.10	2.0%
Nuclear	30.11	30.11	30.11	30.11	30.11	34.96	41.29	1.4%
Pumped Storage/Other 3/	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	0.6%
Renewable Sources 4/	15.13	15.12	15.16	15.25	15.34	16.10	16.20	0.6%
Total Generation	159.97	161.02	162.34	162.08	162.13	163.40	165.16	1.2%
Sales to Customers	156.71	157.76	159.08	158.82	158.87	160.15	161.90	1.2%
Generation for Own Use	3.26	3.26	3.26	3.26	3.26	3.26	3.26	-1.1%
Distributed Generation 5/	0.17	0.20	0.22	0.26	0.26	0.27	0.29	N/A

End-Use Sectors 8/

	2024	2025	2026	2027	2028	2029	2030	2030
Coal	0.21	0.21	0.21	0.21	0.21	0.21	0.21	N/A
Petroleum	2.82	2.82	2.85	2.85	2.85	2.87	2.87	3.4%
Natural Gas	5.50	5.68	5.91	6.10	6.28	6.51	6.71	3.9%
Other Gaseous Fuels	1.11	1.11	1.16	1.16	1.16	1.21	1.21	0.8%
Renewable Sources 4/	4.36	4.45	4.55	4.67	4.79	4.91	5.05	1.9%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total	14.00	14.28	14.69	14.99	15.29	15.72	16.06	2.7%
Sales to Utilities	2.99	3.05	3.12	3.18	3.24	3.32	3.38	3.2%
Generation for Own Use	11.01	11.24	11.57	11.81	12.05	12.41	12.68	2.6%

Total Electricity Generation

	2024	2025	2026	2027	2028	2029	2030	2030
Total Electricity Generation	174.14	175.49	177.25	177.32	177.68	179.40	181.51	1.3%

End-Use Prices (2005 cents per kilowatthour)		2024	2025	2026	2027	2028	2029	2030	2030
Residential		11.8	11.8	11.9	11.9	12.0	12.1	12.0	-0.4%
Commercial		9.6	9.7	9.6	9.6	9.9	9.9	9.7	-0.8%
Industrial		7.6	7.7	7.7	7.7	7.9	7.9	7.8	-0.6%
Transportation		9.6	9.6	9.6	9.6	9.7	9.8	9.7	-0.2%
All Sectors Average		10.1	10.2	10.2	10.2	10.4	10.4	10.3	-0.6%
Prices by Service Category (2005 cents per kilowatthour)									
Generation		5.8	5.8	5.8	5.8	6.1	6.1	5.9	-1.0%
Transmission		1.1	1.1	1.1	1.1	1.1	1.1	1.2	0.3%
Distribution		3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0%
Fuel Consumption (quadrillion Btu) 9/									
Coal		0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.5%
Natural Gas		0.60	0.61	0.61	0.61	0.61	0.58	0.55	1.7%
Oil		0.07	0.07	0.07	0.07	0.07	0.07	0.07	-2.4%
Total		0.93	0.93	0.94	0.93	0.94	0.90	0.87	0.8%
Fuel Prices (dollars per million Btu)									
Coal		2.84	2.87	2.85	2.83	2.83	2.82	2.84	0.7%
Natural Gas		6.13	6.14	6.17	6.26	6.39	6.45	6.45	-1.5%
Distillate Fuel Oil		8.90	8.94	9.01	9.24	9.34	9.50	9.57	-0.7%
Residual Fuel Oil		5.03	5.07	5.00	5.05	5.13	5.04	5.10	-1.2%
Biomass		2.22	2.21	2.22	2.23	2.25	2.32	2.39	0.0%
Emissions 10/									
Total Carbon (million tons)		18.64	18.72	18.82	18.72	18.73	18.17	17.61	0.7%
Carbon Dioxide (million tons)		68.33	68.64	69.01	68.63	68.69	66.62	64.56	0.7%
Sulfur Dioxide (million tons)		0.12	0.12	0.12	0.12	0.12	0.11	0.11	-1.9%
Nitrogen Oxide (million tons)		0.06	0.06	0.06	0.06	0.06	0.05	0.05	1.1%
Mercury (tons)		0.34	0.33	0.24	0.23	0.21	0.16	0.13	-6.2%