

Table 73. Electric Generation by Electricity Market Module Region and Source (Billion Kilowatthours)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
East Central Area Reliability Coordination Agreement																										
Coal	477.61	479.75	493.17	494.17	503.92	510.92	513.61	512.01	511.59	514.21	517.82	528.49	529.96	529.37	533.63	532.03	534.72	537.09	543.59	543.52	546.49	550.24	550.04	552.48	0.6%	
Petroleum	1.77	1.37	1.20	1.23	1.24	1.35	1.38	1.35	1.31	1.34	1.23	1.26	1.34	1.31	1.31	1.30	1.26	1.20	1.28	1.29	1.25	1.27	1.27	1.25	-1.5%	
Natural Gas	2.28	24.46	12.81	6.53	7.29	7.96	9.29	13.09	17.37	22.09	28.46	35.43	40.70	47.50	53.43	60.41	65.57	72.93	88.55	101.44	113.12	119.76	127.68	131.61	19.3%	
Nuclear	47.40	48.19	49.66	50.07	50.44	50.74	50.91	51.09	51.26	50.51	43.86	28.47	28.58	28.68	28.78	28.88	28.96	28.92	16.22	14.89	6.10	0.00	0.00	0.00	N/A	
Pumped Storage/ Other 1/	-1.39	-0.01	-0.44	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-2.1%	
Renewables 2/	5.08	5.08	5.08	5.35	5.35	5.35	5.35	5.37	5.41	5.44	5.48	5.51	5.54	5.56	5.59	5.61	5.63	5.64	5.66	5.67	5.68	5.69	5.70	5.70	0.5%	
Total	532.76	558.84	561.48	556.49	567.38	575.45	579.68	582.05	586.07	592.73	595.98	598.30	605.26	611.56	621.87	627.37	635.28	644.92	654.43	665.94	671.79	676.10	683.82	690.17	1.1%	
Electric Reliability Council of Texas																										
Coal	103.27	106.51	106.09	110.36	111.39	111.45	111.47	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.61	111.73	112.00	112.44	113.18	114.24	115.50	0.5%	
Petroleum	0.17	0.91	0.95	0.94	0.93	0.87	0.15	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.12	0.08	0.08	0.08	0.08	0.08	-3.0%	
Natural Gas	82.89	87.96	91.89	94.34	98.40	101.44	104.36	106.51	109.91	114.18	118.59	122.56	126.79	130.92	136.13	140.93	145.50	149.96	154.32	158.04	161.52	164.50	166.84	169.02	3.1%	
Nuclear	37.36	31.98	33.28	33.94	34.54	35.14	35.29	35.44	35.59	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	-0.2%	
Pumped Storage/ Other 1/	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	0.00	0.00	0.00	0.00	N/A	
Renewables 2/	1.45	1.35	1.55	1.63	1.65	1.68	1.71	1.74	1.79	1.84	1.88	1.92	1.96	2.00	2.04	2.07	2.10	2.13	2.16	2.25	2.40	2.59	2.81	3.15	3.4%	
Total	225.13	228.70	233.76	241.22	246.92	250.58	252.98	255.29	258.88	263.31	267.76	271.77	276.05	280.21	285.46	290.29	294.89	299.49	304.04	308.09	312.15	316.06	319.68	323.47	1.6%	
Mid-Atlantic Area Council																										
Coal	110.24	108.24	112.40	114.92	115.08	112.38	111.06	108.55	105.56	107.14	106.20	107.83	108.15	106.89	108.71	108.84	108.90	109.44	110.89	110.79	111.62	112.37	112.87	114.35	0.2%	
Petroleum	5.81	7.61	7.05	4.93	4.24	3.01	2.13	1.55	1.18	1.32	1.11	1.25	1.27	1.26	1.17	1.01	0.91	0.97	0.93	0.87	0.87	0.86	0.89	0.89	-7.8%	
Natural Gas	7.66	10.56	11.58	20.14	26.96	37.16	42.14	51.40	63.17	66.77	78.60	81.55	83.12	88.34	97.75	103.99	107.79	121.89	136.30	139.16	146.89	149.27	149.74	146.89	13.7%	
Nuclear	84.62	88.04	90.59	86.69	86.91	87.12	87.14	87.16	86.95	84.14	78.89	78.56	78.22	77.88	70.25	69.96	68.45	55.19	44.03	42.94	38.20	38.10	38.01	37.91	-3.4%	
Pumped Storage/ Other 1/	-0.67	-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	-0.00	-0.00	-0.00	-23.0%	
Renewables 2/	4.89	10.28	9.90	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.30	10.37	10.42	10.50	10.62	10.69	10.85	10.96	11.03	11.03	3.6%	
Total	212.56	224.72	231.52	236.90	243.41	249.90	252.69	258.88	267.08	269.60	275.03	279.41	280.99	284.60	288.19	294.16	296.47	297.98	302.76	304.45	308.42	311.56	312.54	311.07	1.7%	
Mid-America Interconnected Network																										
Coal	142.79	154.17	160.92	166.69	170.03	169.93	171.78	171.14	171.52	173.62	175.67	176.72	178.48	179.12	181.36	182.03	183.42	185.70	186.79	188.83	189.95	192.28	193.57	196.39	1.4%	
Petroleum	0.67	1.27	0.99	0.76	0.73	0.64	0.54	0.52	0.52	0.53	0.54	0.56	0.57	0.57	0.58	0.57	0.58	0.57	0.57	0.57	0.56	0.57	0.57	0.57	-0.7%	
Natural Gas	4.61	1.83	1.73	4.82	5.35	5.83	6.38	6.48	6.97	9.46	11.40	12.38	13.12	14.89	15.69	18.30	19.72	24.42	24.88	26.15	27.36	28.56	30.70	30.32	8.5%	
Nuclear	61.90	80.75	82.15	82.95	83.46	83.97	79.58	80.14	81.02	78.85	78.29	78.26	78.22	78.19	75.63	75.14	75.14	71.31	71.31	71.31	71.31	71.31	71.31	71.31	71.31	0.6%
Pumped Storage/ Other 1/	-0.12	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	0.00	0.00	0.00	N/A	
Renewables 2/	3.94	3.30	3.11	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.38	3.38	3.41	3.47	3.60	3.75	4.06	4.17	4.39	4.62	4.78	5.04	5.42	1.4%	
Total	213.79	241.31	248.91	258.53	262.88	263.68	261.58	261.58	263.34	265.77	269.21	271.30	273.77	276.18	276.73	279.64	282.61	286.06	287.72	291.24	293.79	297.50	301.19	304.01	1.5%	
Mid-Continent Area Power Pool																										
Coal	111.68	113.67	117.02	119.41	120.34	121.37	124.08	131.31	135.79	136.68	137.18	137.68	138.17	138.61	139.87	140.16	140.69	141.03	141.42	141.97	142.33	142.92	143.33	143.83	1.1%	
Petroleum	1.04	0.44	0.47	0.30	0.31	0.30	0.21	0.23	0.26	0.25	0.27	0.28	0.29	0.30	0.28	0.24	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	-6.2%	
Natural Gas	1.16	2.38	1.34	1.00	1.26	1.46	2.35	4.65	9.02	10.52	11.58	12.52	13.67	15.46	19.16	21.05	22.24	23.93	25.52	26.70	28.07	29.16	30.26	31.26	15.4%	
Nuclear	26.28	24.46	25.03	25.03	25.03	25.01	22.73	14.44	11.64	11.57	11.50	11.61	11.59	10.93	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	-5.2%	
Pumped Storage/ Other 1/	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	0.00	0.00	0.00	0.00	N/A	
Renewables 2/	19.48	19.10	18.77	19.90	20.43	21.20	21.28	21.33	21.39	21.44	21.50	21.55	21.59	21.63	21.66	21.69	21.72	21.74	21.79	21.88	21.96	22.07	22.16	22.16	0.6%	
Total	159.64	160.04	162.63	165.64	167.37	169.34	170.61	171.90	178.05	180.41	181.98	183.59	185.26	186.90	188.73	190.89	192.63	194.69	196.70	198.47	200.30	202.06	203.67	205.26	1.1%	

Table 73. Electric Generation by Electricity Market Module Region and Source (Billion Kilowatthours)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Northeast Power Coordinating Council/ New York																										
Coal	28.31	29.56	31.42	31.69	31.71	31.06	29.80	29.97	29.60	29.84	28.37	28.42	28.42	28.11	29.90	29.58	30.01	30.24	30.48	31.18	32.00	32.20	31.79	31.96	0.5%	
Petroleum	8.78	12.52	13.80	15.30	14.66	10.00	6.48	3.69	1.02	0.82	0.22	0.14	0.38	0.30	0.34	0.36	0.20	0.36	0.35	0.38	0.41	0.36	0.19	0.10	-17.6%	
Natural Gas	21.78	12.30	13.70	13.50	13.95	18.10	25.04	35.19	45.86	52.55	56.83	61.88	63.67	72.73	73.27	74.82	77.08	78.24	78.29	79.75	83.73	84.36	86.82	89.16	6.3%	
Nuclear	29.57	32.02	32.99	33.28	33.45	33.54	32.48	25.65	20.93	15.42	15.38	15.33	14.09	8.17	8.17	8.17	8.17	8.17	8.17	5.42	0.00	0.00	0.00	0.00	N/A	
Pumped Storage/ Other 1/	-1.09	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	0.00	0.00	0.00	0.00	N/A
Renewables 2/	31.68	21.44	20.13	21.62	21.62	21.80	22.16	22.35	22.53	22.71	22.71	22.71	22.71	22.71	22.71	22.71	22.71	22.72	22.74	22.75	22.78	22.83	22.86	22.94	-1.4%	
Total	119.02	107.85	112.05	115.39	115.38	114.50	115.97	116.84	119.94	121.34	123.50	128.48	129.27	132.02	134.39	135.63	138.17	139.73	140.03	139.47	138.93	139.75	141.66	144.16	0.8%	
Northeast Power Coordinating Council/ New England																										
Coal	19.12	18.60	18.94	18.84	18.99	18.94	18.96	18.76	18.23	18.08	17.52	15.15	13.93	12.88	13.32	13.76	13.83	13.98	14.31	14.80	15.00	15.21	15.23	15.36	-0.9%	
Petroleum	23.73	20.82	26.36	24.35	25.34	20.49	18.57	12.54	7.49	5.49	2.88	1.67	0.88	0.66	0.52	0.60	0.52	0.56	0.59	0.62	0.65	0.64	0.68	0.64	-14.6%	
Natural Gas	15.87	18.76	20.72	23.88	32.15	38.31	44.61	51.49	58.04	65.63	69.75	74.67	77.91	79.91	81.04	83.62	85.71	86.38	86.94	87.18	87.81	88.46	89.20	89.96	7.8%	
Nuclear	16.43	33.24	28.26	28.65	28.94	29.23	25.16	25.29	25.41	20.68	20.66	20.63	20.61	20.59	20.57	18.24	17.05	17.05	17.05	17.05	17.05	17.05	17.05	17.05	17.05	0.2%
Pumped Storage/ Other 1/	-0.48	-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	-0.00	-0.00	-0.00	-0.00	-26.1%
Renewables 2/	11.32	14.64	14.18	14.85	15.00	15.17	15.34	15.52	15.72	15.94	16.17	16.41	16.66	16.83	16.83	16.88	16.91	16.95	16.99	17.02	17.02	17.04	17.07	17.08	1.8%	
Total	85.99	106.06	108.46	110.57	120.41	122.14	122.64	123.59	124.88	125.81	126.97	128.54	129.99	130.87	132.28	133.06	134.00	134.88	135.83	136.64	137.54	138.40	139.23	140.09	2.1%	
Southeastern Electric Reliability Council/ Florida																										
Coal	62.26	65.70	66.19	66.95	68.88	68.98	69.06	69.56	69.28	70.54	71.33	71.72	72.17	72.37	75.07	77.25	80.32	84.38	88.32	95.25	104.11	109.36	112.36	116.81	2.8%	
Petroleum	26.13	27.24	26.48	24.32	24.17	22.58	16.52	13.43	11.57	10.28	9.54	10.95	10.79	10.48	9.73	9.38	9.10	8.17	7.74	6.61	6.43	6.13	6.58	6.24	-6.0%	
Natural Gas	33.44	22.91	24.77	27.72	29.87	34.40	44.30	50.89	57.28	64.91	71.01	72.86	75.72	80.68	83.21	86.14	91.64	95.74	95.29	96.97	93.92	92.59	92.61	92.53	4.5%	
Nuclear	22.97	26.98	27.57	27.59	27.61	27.63	27.47	27.31	27.15	23.17	21.11	20.98	20.84	20.71	20.58	18.18	13.56	11.23	11.16	7.41	5.53	5.50	5.46	5.42	-6.1%	
Pumped Storage/ Other 1/	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	0.00	0.00	0.00	0.00	N/A	
Renewables 2/	3.37	4.47	4.45	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.55	4.55	4.65	5.10	5.54	5.70	5.87	6.01	6.20	6.39	6.52	6.61	6.69	3.0%	
Total	148.17	147.29	149.47	151.05	155.01	158.06	161.82	165.66	169.75	173.37	177.46	181.05	184.07	188.89	193.69	196.50	200.32	205.39	208.52	212.44	216.38	220.10	223.61	227.69	1.9%	
Southeastern Electric Reliability Council/ excluding Florida																										
Coal	371.29	380.76	393.25	402.10	408.50	413.83	416.23	411.69	408.09	416.22	415.41	424.46	428.74	424.77	434.36	434.09	444.32	442.39	447.40	450.81	456.01	456.14	457.86	463.68	1.0%	
Petroleum	1.81	3.44	3.12	2.33	1.97	2.44	1.71	1.42	1.39	1.41	1.43	1.49	1.33	1.46	1.47	1.29	1.35	1.33	1.23	1.25	1.27	1.32	1.25	1.25	-1.6%	
Natural Gas	7.94	8.60	9.56	18.90	22.40	24.06	31.93	41.66	57.79	65.12	76.80	80.72	96.12	113.56	125.59	148.40	159.13	180.27	196.76	199.39	210.75	223.90	228.26	231.41	15.8%	
Nuclear	190.17	176.22	181.05	182.17	182.89	183.32	183.53	183.77	178.85	174.96	172.73	171.26	165.75	161.06	149.54	140.78	129.90	116.54	103.63	101.27	94.54	90.62	90.47	90.29	-3.2%	
Pumped Storage/ Other 1/	-1.37	-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	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-0.16	-8.9%	
Renewables 2/	37.17	38.07	35.44	37.79	37.87	37.95	38.02	38.05	38.13	38.20	38.27	38.35	38.41	38.57	39.14	39.69	40.26	41.41	42.27	43.37	44.31	45.27	46.21	47.02	1.0%	
Total	607.01	606.93	622.25	643.13	653.47	661.43	671.25	676.44	684.09	695.74	704.49	716.12	730.20	739.25	749.94	764.09	774.80	781.77	791.13	795.93	806.72	817.09	823.88	833.49	1.4%	
Southwest Power Pool																										
Coal	170.23	185.67	189.57	193.69	193.72	193.80	193.71	193.83	193.86	194.33	194.50	194.72	194.83	194.89	194.88	195.17	195.43	195.99	197.10	199.67	204.00	207.80	218.39	223.34	1.2%	
Petroleum	3.55	13.18	12.73	8.23	6.95	3.37	1.38	0.79	0.59	0.53	0.32	0.57	0.40	0.58	0.66	0.74	0.76	0.89	1.01	0.60	0.63	0.64	0.61	0.60	-7.5%	
Natural Gas	65.71	43.38	41.03	45.52	55.57	65.70	71.01	77.49	85.19	89.06	93.27	97.13	100.06	104.03	109.75	112.68	115.09	123.72	132.94	139.96	139.28	140.32	137.36	135.99	3.2%	
Nuclear	45.88	42.72	43.74	43.92	44.03	44.15	44.15	44.15	44.07	44.00	43.93	43.87	43.79	43.72	43.63	43.56	43.48	40.47	35.17	30.52	30.48	28.47	24.59	24.59	-2.7%	
Pumped Storage/ Other 1/	-0.10	-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	-0.05	-0.05	-0.05	-0.05	-3.2%	
Renewables 2/	8.97	7.22	7.08	7.56	7.59	7.62	7.66	7.70	7.75	7.81	7.86	7.93	7.98	8.03	8.13	8.24	8.37	8.50	8.69	9.09	9.64	10.22	11.00	11.46	1.1%	
Total	294.24	292.12	294.10	298.88	307.81	314.60	317.87	323.90	331.41	335.67	339.83	344.17	347.02	351.20	357.00	360.34	363.09	369.53	374.87	379.80	383.98	387.41	391.90	395.92	1.3%	

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	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Western Systems Coordinating Council/ Northwest Power Pool Area																										
Coal	74.40	68.09	80.49	78.72	80.55	81.58	81.83	82.25	83.24	85.60	86.62	86.88	87.07	87.07	87.59	88.29	89.54	90.39	92.15	93.91	96.26	98.54	101.28	107.22	1.6%	
Petroleum	0.10	0.33	0.33	0.31	0.32	0.27	0.24	0.21	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	2.6%
Natural Gas	5.91	10.03	16.61	21.81	29.94	42.17	50.04	52.21	53.68	58.51	58.38	58.25	58.52	57.82	55.38	59.74	58.09	64.16	66.36	71.21	74.67	77.77	79.15	81.71	12.1%	
Nuclear	6.24	5.96	6.24	6.38	6.53	6.68	6.82	6.97	7.12	7.25	7.40	7.55	7.70	7.84	7.99	8.13	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.21	1.2%
Pumped Storage/ Other 1/	0.00	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	N/A
Renewables 2/	178.51	167.70	155.56	166.02	166.19	166.51	166.72	167.15	167.73	168.08	168.45	168.92	169.41	170.01	170.38	170.89	171.61	172.62	173.13	173.68	174.70	175.69	176.18	176.93	-0.0%	
Total	265.17	251.89	259.01	273.02	283.31	296.98	305.44	308.58	311.73	319.41	320.83	321.57	322.67	322.72	321.30	327.03	327.47	335.41	339.87	347.03	353.87	360.24	364.85	374.05	1.5%	
Western Systems Coordinating Council/ Rocky Mountain Power Area & Arizona																										
Coal	89.41	92.03	93.27	94.44	94.44	94.44	94.44	94.52	94.52	94.72	94.93	95.43	95.81	96.28	97.09	97.96	99.00	99.89	101.14	102.48	104.27	105.74	107.29	108.45	0.8%	
Petroleum	0.11	1.51	1.44	0.82	0.42	0.15	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	-1.9%
Natural Gas	6.17	23.17	24.54	26.38	31.09	34.58	36.98	41.48	45.38	50.47	53.55	57.65	61.91	64.85	69.12	72.64	76.10	79.13	83.08	84.68	83.69	86.12	89.51	80.57	11.8%	
Nuclear	23.01	19.78	20.58	20.99	21.37	21.75	21.88	22.01	22.14	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	-0.1%
Pumped Storage/ Other 1/	0.37	-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	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	N/A
Renewables 2/	20.65	16.28	15.37	16.28	16.36	16.50	16.58	16.61	16.65	16.69	16.73	16.99	17.15	17.38	17.61	17.80	18.02	18.40	18.64	18.95	19.34	19.73	20.08	20.73	0.0%	
Total	139.71	152.73	155.17	158.87	163.65	167.38	169.91	174.65	178.71	184.16	187.48	192.35	197.15	200.78	206.09	210.66	215.39	219.69	225.13	228.38	229.58	233.86	239.15	232.03	2.2%	
Western Systems Coordinating Council/ California-Southern Nevada Power																										
Coal	34.90	37.57	38.11	38.62	38.62	38.61	39.30	40.74	42.94	46.14	53.26	53.26	57.84	63.72	71.05	73.60	79.39	82.14	84.87	88.43	93.12	95.33	103.43	108.71	5.1%	
Petroleum	1.03	11.99	13.46	8.51	7.78	3.93	1.99	0.92	0.82	0.81	0.82	0.42	0.43	0.09	0.11	0.09	0.10	0.10	0.09	0.08	0.11	0.11	0.08	0.04	-13.5%	
Natural Gas	40.57	38.90	43.17	29.91	28.10	29.55	33.24	34.41	35.57	33.40	34.91	41.23	42.17	44.22	44.72	42.81	43.31	40.43	39.39	37.35	38.79	36.70	30.85	34.64	-0.7%	
Nuclear	36.81	36.63	37.60	37.81	37.92	38.03	38.06	38.10	38.13	38.16	38.16	38.16	38.16	38.16	38.16	38.15	38.15	38.14	38.14	38.13	38.13	38.12	38.12	38.02	0.1%	
Pumped Storage/ Other 1/	1.86	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	N/A
Renewables 2/	60.86	63.97	61.03	64.87	66.06	65.76	65.48	65.21	65.30	65.56	66.03	66.06	66.38	66.33	66.39	66.74	66.90	66.67	66.98	67.17	67.49	67.81	68.26	68.60	0.5%	
Total	176.03	188.62	192.92	179.29	178.04	175.43	177.64	178.93	182.31	183.64	192.74	198.67	204.53	212.07	219.99	220.95	227.39	227.04	229.02	230.72	237.20	237.64	240.30	249.57	1.5%	

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

2/ Renewables include conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

N/A = Not applicable.

Notes: Totals may not equal sum of components due to independent rounding. Values represent generation for utilities and nonutilities (excluding cogenerators). Net summer capability is the steady hourly output that generating equipment is expected to supply to system load as demonstrated by tests during summer peak load.

Sources: 1997 utility generation: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report." Other 1997 and Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (Gigawatts)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
East Central Area Reliability Coordination Agreement																									
Coal Steam	84.47	84.47	84.47	84.47	84.47	84.47	82.44	82.09	82.09	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	-0.1%
Other Fossil Steam 1/	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	N/A
Combined Cycle	0.43	0.43	0.43	0.74	0.74	0.74	0.87	1.34	1.87	2.49	3.12	3.43	3.84	4.49	5.19	6.10	6.96	7.79	9.40	11.46	13.47	14.44	15.34	16.58	17.2%
Combustion Turbine/ Diesel	8.34	13.24	14.21	14.90	15.11	15.46	16.12	16.94	17.94	18.37	18.57	19.01	19.85	20.63	21.46	21.72	22.07	22.93	24.80	25.42	25.96	26.22	27.03	27.20	5.3%
Nuclear Power	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	6.78	4.09	4.09	4.09	4.09	4.09	4.09	3.09	1.99	0.82	0.00	0.00	0.00	0.00	N/A
Pumped Storage/ Other 2/	3.28	3.28	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	1.6%
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	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	1.56	1.60	1.62	1.69	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.71	1.71	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.74	1.74	1.74	0.5%
Total	109.34	114.28	116.73	117.80	118.01	118.36	117.11	118.06	119.60	119.56	117.70	118.45	119.72	121.14	122.68	123.85	125.06	125.75	128.14	129.65	131.38	132.61	134.33	135.74	0.9%
Electric Reliability Council of Texas																									
Coal Steam	14.78	14.78	14.78	15.58	15.58	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.60	15.62	15.66	15.72	15.82	15.97	16.15	0.4%
Other Fossil Steam 1/	29.68	29.68	29.68	29.65	29.53	29.49	26.23	23.16	22.77	20.45	18.34	15.67	13.57	13.57	13.57	13.57	13.36	13.36	13.36	13.36	13.36	13.36	13.36	13.36	-3.4%
Combined Cycle	0.79	0.79	0.79	1.02	1.24	1.80	3.05	7.03	9.07	10.83	12.53	12.96	15.12	15.88	16.76	17.76	18.67	19.81	20.83	22.01	23.16	23.98	24.58	25.37	16.3%
Combustion Turbine/ Diesel	6.11	6.47	6.70	7.03	7.59	8.58	10.31	12.32	12.86	12.86	12.86	12.97	13.64	14.23	14.77	14.77	14.92	15.71	16.48	16.49	16.51	16.53	16.68	16.71	4.5%
Nuclear Power	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	N/A
Pumped Storage/ Other 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	0.00	0.00	0.00	0.00	N/A
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	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	0.64	0.64	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.88	0.90	0.93	0.96	1.01	2.0%
Total	56.80	57.16	57.51	58.84	59.50	61.04	60.76	63.69	65.88	65.32	64.92	62.80	63.54	64.89	66.32	67.33	68.39	70.13	71.95	73.20	74.45	75.43	76.36	77.41	1.4%
Mid-Atlantic Area Council																									
Coal Steam	18.50	18.50	18.50	18.50	18.46	18.46	18.46	18.46	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.42	18.43	18.44	18.45	18.45	-0.0%
Other Fossil Steam 1/	8.76	8.76	8.76	8.76	8.76	8.76	5.59	4.03	3.38	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.53	-5.3%
Combined Cycle	1.80	1.80	1.80	3.27	4.07	5.93	6.87	8.46	10.19	10.80	12.38	12.75	12.88	13.65	15.32	16.11	17.24	18.90	20.61	21.24	21.90	22.42	22.42	22.54	11.6%
Combustion Turbine/ Diesel	9.59	9.80	10.47	11.02	11.15	11.75	12.41	13.15	13.15	13.15	13.22	13.22	13.30	13.30	13.50	13.88	14.20	14.53	15.15	15.15	15.69	15.69	15.69	15.69	2.2%
Nuclear Power	12.81	12.81	12.81	12.19	12.19	12.19	12.19	12.19	12.19	11.08	11.08	11.08	11.08	9.97	9.97	9.97	8.88	6.23	6.23	5.39	5.39	5.39	5.39	5.39	-3.7%
Pumped Storage/ Other 2/	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	N/A
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	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.10	2.11	2.12	2.12	0.2%
Total	54.79	55.01	55.68	57.08	57.97	60.43	58.85	59.63	61.32	60.18	61.20	61.58	61.79	61.45	63.34	64.52	64.87	64.21	66.57	66.38	67.61	68.16	68.17	68.06	0.9%
Mid-America Interconnected Network																									
Coal Steam	27.68	27.68	27.68	27.65	27.67	27.67	27.67	27.76	27.76	27.76	27.76	27.77	27.77	27.77	27.78	27.80	27.83	27.90	27.96	28.06	28.17	28.27	28.42	28.70	0.2%
Other Fossil Steam 1/	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.65	3.53	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	1.29	-5.5%
Combined Cycle	0.02	0.02	0.02	1.25	1.25	1.51	1.51	1.65	1.86	2.40	2.66	2.81	2.87	3.07	3.38	3.89	4.15	5.02	5.34	5.84	6.20	6.31	7.36	7.52	30.1%
Combustion Turbine/ Diesel	11.25	13.50	14.42	14.58	14.66	16.26	17.17	18.15	18.93	19.02	19.08	19.10	19.17	19.43	19.62	20.56	20.85	21.66	21.92	22.35	22.35	22.53	22.88	22.93	3.1%
Nuclear Power	14.80	12.72	12.72	12.72	12.72	12.72	11.57	11.57	11.57	10.80	10.80	10.80	10.80	10.80	10.02	10.02	9.51	9.51	9.51	9.51	9.51	9.51	9.51	9.51	-1.9%
Pumped Storage/ Other 2/	0.35	0.35	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	2.0%
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	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	0.75	0.75	0.76	0.80	0.80	0.80	0.80	0.80	0.82	0.82	0.82	0.83	0.83	0.84	0.85	0.87	0.89	0.93	0.95	0.98	1.01	1.03	1.07	1.13	1.8%
Total	59.60	59.77	60.91	62.30	62.41	64.26	64.02	65.14	65.03	64.36	64.68	64.87	65.00	65.47	65.20	66.70	67.30	68.57	69.22	70.29	70.78	71.21	71.08	71.64	0.8%

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (Gigawatts)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Mid-Continent Area Power Pool																										
Coal Steam	20.73	21.20	20.75	20.75	20.75	20.75	20.75	20.75	20.75	20.75	20.72	20.72	20.72	20.72	20.73	20.73	20.74	20.74	20.75	20.76	20.79	20.82	20.86	20.89	0.0%	
Other Fossil Steam 1/	0.61	0.61	0.61	0.61	0.61	0.61	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	-0.0%	
Combined Cycle	0.15	0.15	0.15	0.38	0.38	0.38	0.62	1.06	1.71	2.11	2.13	2.13	2.15	2.42	3.02	3.31	3.47	3.69	3.94	4.29	4.53	4.87	5.12	5.37	16.9%	
Combustion Turbine/ Diesel	6.03	7.39	7.82	7.86	7.89	8.22	9.13	10.08	10.17	10.17	10.17	10.17	10.27	10.40	10.71	10.83	11.06	11.37	11.87	12.04	12.29	12.34	12.56	12.59	3.2%	
Nuclear Power	3.74	3.74	3.74	3.74	3.74	3.74	2.88	1.57	1.57	1.57	1.57	1.57	1.57	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	-5.5%	
Pumped Storage/ Other 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	0.00	0.00	0.00	0.00	N/A	
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	0.00	0.00	0.00	0.00	N/A	
Renewable Sources 3/	3.68	3.80	4.20	4.20	4.28	4.49	4.50	4.50	4.51	4.52	4.53	4.54	4.54	4.55	4.56	4.56	4.56	4.57	4.57	4.58	4.59	4.60	4.62	4.63	1.0%	
Total	34.94	36.89	37.27	37.54	37.66	38.19	38.48	38.57	39.33	39.72	39.73	39.74	39.87	39.73	40.65	41.06	41.47	42.00	42.77	43.29	43.84	44.26	44.78	45.12	1.1%	
Northeast Power Coordinating Council/ New York																										
Coal Steam	4.82	4.82	4.82	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	-0.1%	
Other Fossil Steam 1/	12.39	12.39	12.39	12.39	12.39	12.39	9.96	7.61	6.22	6.22	4.86	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.36	3.36	2.62	-6.5%	
Combined Cycle	0.55	0.55	0.55	0.55	0.55	1.73	2.92	4.11	5.06	6.43	6.73	7.85	8.09	9.01	9.16	9.45	9.53	9.53	9.59	9.71	9.98	10.00	10.34	11.32	14.1%	
Combustion Turbine/ Diesel	3.81	3.81	3.81	3.81	3.81	3.81	3.81	4.35	6.72	6.72	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.85	8.36	8.36	3.5%	
Nuclear Power	4.91	4.91	4.91	4.91	4.91	4.91	3.98	3.16	2.18	2.18	2.18	2.18	1.09	1.09	1.09	1.09	1.09	1.09	1.09	0.00	0.00	0.00	0.00	0.00	N/A	
Pumped Storage/ Other 2/	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	N/A	
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	0.00	0.00	0.00	0.00	N/A	
Renewable Sources 3/	4.74	4.80	4.85	4.92	4.92	4.98	5.09	5.14	5.20	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.26	5.26	5.26	5.26	5.27	5.28	5.29	0.5%	
Total	32.51	32.57	32.62	32.61	32.61	33.85	31.77	30.39	31.40	32.82	32.80	32.79	31.95	32.88	33.02	33.31	33.39	33.39	33.45	32.48	32.76	32.50	33.36	33.61	0.1%	
Northeast Power Coordinating Council/ New England																										
Coal Steam	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	N/A	
Other Fossil Steam 1/	8.19	8.19	8.19	8.14	8.14	8.14	8.14	7.95	7.35	7.35	5.88	5.49	3.91	3.91	3.56	3.56	3.56	3.56	3.56	3.56	3.00	3.00	3.00	3.00	-4.3%	
Combined Cycle	1.17	1.17	1.17	1.97	2.14	3.14	3.90	5.18	6.07	6.97	7.91	8.87	9.84	9.91	10.53	10.69	11.02	11.23	11.29	11.29	11.35	11.63	11.72	11.82	10.6%	
Combustion Turbine/ Diesel	1.79	2.40	2.40	2.39	3.14	3.28	3.33	3.33	3.79	4.12	4.12	4.44	4.44	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.3%	
Nuclear Power	5.83	4.32	4.32	4.32	4.32	4.32	3.65	3.65	3.65	2.78	2.78	2.78	2.78	2.78	2.78	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	-4.0%	
Pumped Storage/ Other 2/	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	N/A	
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	0.00	0.00	0.00	0.00	N/A	
Renewable Sources 3/	3.05	3.06	3.07	3.11	3.14	3.18	3.22	3.26	3.30	3.36	3.41	3.47	3.53	3.57	3.57	3.57	3.58	3.58	3.59	3.59	3.60	3.60	3.61	3.61	0.7%	
Total	24.39	23.49	23.51	24.28	25.24	26.42	26.59	27.73	28.53	28.93	28.45	29.39	28.85	29.21	29.48	29.14	29.48	29.70	29.76	29.76	29.83	29.55	29.64	29.75	0.9%	
Southeastern Electric Reliability Council/ Florida																										
Coal Steam	9.41	9.41	9.41	9.41	9.67	9.67	9.69	9.77	9.80	9.87	9.97	10.02	10.04	10.11	10.40	10.70	11.13	11.70	12.25	13.21	14.45	15.19	15.60	16.22	2.4%	
Other Fossil Steam 1/	13.32	13.32	13.32	13.32	13.32	13.32	11.34	10.88	10.88	10.88	10.28	10.04	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	-1.3%
Combined Cycle	3.86	4.37	4.37	4.73	4.73	5.43	6.59	7.85	8.93	10.19	10.90	11.21	11.52	12.11	12.76	13.23	14.08	14.68	14.92	15.12	15.18	15.29	15.30	15.52	6.2%	
Combustion Turbine/ Diesel	5.47	5.47	5.47	5.47	5.47	5.47	7.46	7.92	7.86	7.86	7.86	7.86	7.86	7.97	7.97	8.22	8.49	9.02	9.38	9.38	9.38	9.40	9.66	9.66	2.5%	
Nuclear Power	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.01	3.01	3.01	3.01	3.01	3.01	2.35	1.68	1.68	1.68	0.84	0.84	0.84	0.84	0.84	-6.4%	
Pumped Storage/ Other 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	0.00	0.00	0.00	0.00	N/A	
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	0.00	0.00	0.00	0.00	N/A	
Renewable Sources 3/	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.73	0.80	0.86	0.88	0.91	0.93	0.95	0.98	1.00	1.01	1.02	1.6%	
Total	36.59	37.10	37.10	37.46	37.73	38.43	39.61	40.96	42.00	42.52	42.72	42.86	43.00	43.79	44.80	45.22	46.12	47.85	49.01	49.37	50.69	51.57	52.28	53.12	1.6%	

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (Gigawatts)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Southeastern Electric Reliability Council/ excluding Florida																										
Coal Steam	64.00	64.00	64.00	64.00	64.07	64.08	64.08	64.08	64.08	64.08	63.97	63.97	64.01	64.04	64.10	64.26	64.38	64.12	64.35	64.72	65.02	64.84	65.31	65.69	0.1%	
Other Fossil Steam 1/	3.14	3.14	3.14	3.14	3.14	3.11	2.33	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.22	2.22	2.22	2.14	2.14	2.02	2.02	-1.9%	
Combined Cycle	1.79	1.90	2.01	4.08	4.69	4.82	4.91	6.69	9.62	10.96	12.45	12.85	14.81	16.76	19.55	22.89	26.18	29.58	32.47	33.71	36.10	38.47	39.51	40.97	14.6%	
Combustion Turbine/ Diesel	11.77	12.79	14.27	15.34	15.83	16.49	20.96	22.81	23.43	23.38	22.03	22.26	24.43	25.21	26.75	29.56	28.92	29.56	30.75	31.56	31.96	32.41	33.49	33.75	4.7%	
Nuclear Power	25.58	25.58	25.58	25.58	25.58	25.58	25.58	24.83	24.83	24.06	24.06	23.25	23.25	21.46	20.35	19.55	17.06	14.39	14.39	13.32	12.51	12.51	12.51	12.51	-3.1%	
Pumped Storage/ Other 2/	6.38	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	0.2%	
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	0.00	0.00	0.00	0.00	N/A	
Renewable Sources 3/	11.76	11.82	11.82	11.84	11.86	11.89	11.91	11.92	11.93	11.94	11.95	11.97	11.97	12.00	12.08	12.16	12.24	12.40	12.53	12.69	12.84	12.98	13.13	13.25	0.5%	
Total	124.42	125.91	127.49	130.66	131.85	132.66	136.46	139.32	142.88	143.41	143.45	143.29	147.46	148.45	151.82	157.39	157.75	158.95	163.39	164.91	167.23	170.02	172.66	174.88	1.5%	
Southwest Power Pool																										
Coal Steam	27.45	27.45	27.45	27.45	27.48	27.50	27.53	27.57	28.19	28.23	28.23	28.23	28.23	28.23	28.21	28.26	28.29	28.37	28.52	28.88	29.49	30.02	31.50	32.19	0.7%	
Other Fossil Steam 1/	30.24	30.24	30.24	30.24	30.24	30.16	26.13	21.87	21.87	21.61	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	-1.8%
Combined Cycle	1.41	1.63	1.63	2.49	3.62	6.16	7.33	10.29	12.68	12.98	13.08	13.08	13.08	13.47	14.07	14.88	15.46	16.24	17.26	18.39	18.83	19.33	19.49	19.67	12.1%	
Combustion Turbine/ Diesel	4.48	4.58	4.94	5.42	5.52	5.96	9.33	9.57	9.96	9.97	9.97	9.97	10.16	10.72	11.63	11.91	12.38	13.04	14.31	15.20	15.65	15.92	16.10	16.17	5.7%	
Nuclear Power	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.09	4.16	4.16	4.16	3.30	3.30	3.30	-2.5%	
Pumped Storage/ Other 2/	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	N/A	
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	0.00	0.00	0.00	0.00	N/A	
Renewable Sources 3/	2.79	2.90	2.91	2.91	2.92	2.92	2.93	2.94	2.95	2.96	2.98	2.99	2.99	3.01	3.03	3.05	3.07	3.11	3.17	3.25	3.33	3.45	3.52	3.52	1.0%	
Total	72.80	73.23	73.59	74.94	76.21	79.14	79.68	78.66	82.07	82.18	80.54	80.55	80.75	81.71	83.22	84.37	85.48	86.18	87.72	90.16	91.74	92.26	94.20	95.20	1.2%	
Western Systems Coordinating Council/ Northwest Power Pool Area																										
Coal Steam	11.51	11.51	11.51	11.51	11.53	11.54	11.58	11.64	11.82	12.17	12.31	12.31	12.32	12.32	12.38	12.52	12.66	12.78	13.01	13.26	13.57	13.89	14.25	15.08	1.2%	
Other Fossil Steam 1/	0.79	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	-5.3%
Combined Cycle	1.25	1.25	1.25	2.33	2.71	4.45	4.77	6.35	6.96	7.19	7.19	7.21	7.24	7.42	7.65	8.21	8.52	9.04	9.68	10.24	10.66	11.02	11.64	11.95	10.3%	
Combustion Turbine/ Diesel	2.77	2.79	3.71	3.71	4.60	4.60	6.03	5.24	5.24	5.06	5.04	5.04	4.90	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	2.4%	
Nuclear Power	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	N/A	
Pumped Storage/ Other 2/	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	N/A	
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	0.00	0.00	0.00	0.00	N/A	
Renewable Sources 3/	35.36	35.43	35.44	35.47	35.50	35.54	35.58	35.64	35.72	35.78	35.84	35.91	35.99	36.07	36.13	36.21	36.31	36.46	36.53	36.62	36.76	36.90	36.98	37.09	0.2%	
Total	53.11	53.13	54.07	55.17	56.47	58.27	60.10	61.00	61.88	62.34	62.52	62.62	62.11	62.25	62.59	63.35	63.90	64.70	65.64	66.52	67.41	68.23	69.29	70.53	1.2%	
Western Systems Coordinating Council/ Rocky Mountain Power Area & Arizona																										
Coal Steam	13.22	13.22	13.22	13.22	13.22	13.22	13.22	13.23	13.23	13.26	13.29	13.36	13.41	13.47	13.59	13.71	13.85	13.98	14.15	14.34	14.59	14.79	15.01	15.17	0.6%	
Other Fossil Steam 1/	2.59	2.59	2.59	2.59	2.59	2.59	1.42	1.08	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	-4.5%	
Combined Cycle	0.99	0.99	0.99	2.06	2.95	3.89	4.86	5.87	6.88	7.90	7.99	8.08	8.56	9.09	9.62	10.20	10.77	11.33	11.86	12.29	12.65	13.06	13.49	13.94	12.2%	
Combustion Turbine/ Diesel	3.72	3.74	4.31	4.31	4.31	4.31	4.18	4.87	5.26	5.26	5.26	5.26	5.50	5.78	6.07	6.20	6.31	6.49	6.49	6.49	6.49	6.62	6.82	6.82	2.7%	
Nuclear Power	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	N/A	
Pumped Storage/ Other 2/	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	N/A	
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	0.00	0.00	0.00	0.00	N/A	
Renewable Sources 3/	4.33	4.39	4.40	4.42	4.45	4.48	4.50	4.51	4.52	4.52	4.53	4.57	4.60	4.64	4.67	4.70	4.74	4.80	4.85	4.91	4.98	5.05	5.11	5.22	0.8%	
Total	28.56	28.64	29.22	30.31	31.23	32.19	31.89	33.27	34.50	35.56	35.68	35.88	36.68	37.59	38.56	39.42	40.29	41.21	41.96	42.63	43.32	44.13	45.04	45.77	2.1%	

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (Gigawatts)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Western Systems Coordinating Council/ California-Southern Nevada Power																									
Coal Steam	5.46	5.46	5.46	5.46	5.46	5.46	5.55	5.75	6.06	6.50	7.49	7.49	8.13	8.95	9.97	10.33	11.15	11.54	11.92	12.41	13.07	13.38	14.50	15.24	4.6%
Other Fossil Steam 1/	20.54	20.54	20.54	20.45	20.45	20.45	20.31	16.81	16.81	16.81	16.81	15.79	15.79	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	-1.1%
Combined Cycle	2.18	2.18	2.18	2.18	2.18	4.02	5.41	6.98	7.77	8.52	8.52	8.61	8.64	8.72	8.72	8.75	8.75	8.75	8.76	8.76	8.77	8.82	8.87	8.89	6.3%
Combustion Turbine/ Diesel	3.09	3.09	3.09	3.09	3.08	3.08	4.32	4.04	5.78	5.78	5.78	5.91	6.14	6.15	6.26	6.35	6.40	6.48	6.58	6.63	6.87	7.00	7.17	7.39	3.9%
Nuclear Power	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	N/A
Pumped Storage/ Other 2/	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	N/A
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	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	16.55	16.56	16.69	16.89	17.17	17.07	16.98	16.88	16.89	16.87	16.95	16.95	17.00	16.94	16.89	16.95	16.91	16.88	16.93	16.91	16.96	16.89	16.98	17.04	0.1%
Total	56.67	56.68	56.81	56.92	57.20	58.95	61.43	59.33	62.17	63.35	64.41	63.62	64.56	65.37	66.46	66.98	67.83	68.27	68.80	69.33	70.29	70.71	72.14	73.17	1.1%

1/ Includes oil-, gas-, and dual-fired capacity.
2/ Other includes methane, propane, blast furnace gas, hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
3/ Renewable sources include conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
N/A = Not applicable.
Notes: Totals may not equal sum of components due to independent rounding. Values represent net summer capability for utilities and nonutilities (excluding cogenerators) Net summer capability is the steady hourly output that generating equipment is expected to supply to system load as demonstrated by tests during summer peak load.
Sources: 1997 utility: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report."
Other 1997 and Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 75. Renewable Resources Consumption/Displacement by Region and Source for Electricity (Trillion Btu)																							
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
WSSC/ NWP																							
Conventional Hydropower	1700.0	1574.9	1682.0	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2
Geothermal 1/	35.04	35.21	35.66	44.45	52.37	57.24	68.46	83.23	88.41	93.42	105.53	117.57	132.94	141.05	157.62	166.07	191.66	200.04	210.13	233.17	255.44	262.30	274.89
MSW	9.70	10.16	10.61	11.12	11.65	12.22	12.74	13.61	14.38	15.15	15.91	16.61	17.24	17.81	18.28	18.70	19.07	19.41	19.69	19.95	20.14	20.28	20.38
Biomass 2/	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	4.44	5.64	5.64	5.70	5.79	6.37	7.65	8.94	9.99	11.67	13.25	15.19	16.98	19.02	21.68
Solar Thermal 3/	0.00	0.00	0.00	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.30	0.36	0.41	0.50	0.59	0.68	0.77	0.86	0.95	1.04	1.16
Solar Photovoltaic 3/	0.00	0.00	0.09	0.15	0.22	0.38	0.57	0.75	0.97	1.20	1.43	1.73	1.97	2.20	2.41	2.63	2.83	3.05	3.25	3.47	3.68	3.89	4.09
Wind	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
WSSC/ RA																							
Conventional Hydropower	134.93	124.98	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53
Geothermal 1/	76.16	76.53	76.91	77.32	79.21	79.81	80.54	80.72	81.12	81.31	85.16	85.37	85.62	86.10	90.47	86.54	92.59	92.81	93.04	93.14	93.13	93.17	102.42
MSW	4.27	4.53	4.82	5.13	5.46	5.82	6.14	6.70	7.19	7.68	8.16	8.60	8.99	9.34	9.64	9.91	10.14	10.36	10.52	10.68	10.80	10.88	10.93
Biomass 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	1.89	3.49	5.16	6.47	7.96	9.09	10.61	12.61	15.33	17.87	20.17	21.97
Solar Thermal 3/	0.00	0.00	0.50	1.00	1.50	1.83	1.83	1.83	1.83	1.83	1.90	1.93	2.00	2.06	2.13	2.19	2.26	2.33	2.39	2.46	2.53	2.59	2.66
Solar Photovoltaic 3/	0.02	0.10	0.24	0.37	0.53	0.81	0.89	0.97	1.08	1.20	1.31	1.48	1.66	1.80	1.95	2.09	2.24	2.39	2.54	2.69	2.83	2.98	3.13
Wind	1.38	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.80	2.01	2.36	2.95	3.54	4.29	4.93	6.16
WSSC/ CNV																							
Conventional Hydropower	467.74	433.26	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88
Geothermal 1/	275.42	276.76	289.11	308.91	301.22	295.32	289.77	292.63	295.65	296.36	298.25	301.21	293.64	287.97	308.61	287.88	275.85	281.04	283.53	287.34	293.08	295.96	297.33
MSW	30.22	33.09	37.77	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92
Biomass 2/	18.10	18.32	18.32	18.79	18.79	18.79	18.79	18.79	20.38	24.30	24.30	26.27	28.22	30.73	31.85	35.19	36.54	37.57	38.44	39.82	40.64	43.39	45.71
Solar Thermal 3/	9.27	9.27	9.27	9.27	9.31	9.35	9.38	9.42	9.57	9.69	9.80	9.87	9.95	10.02	10.10	10.21	10.33	10.44	10.52	10.63	10.74	10.85	10.97
Solar Photovoltaic 3/	0.33	0.39	0.46	0.64	0.82	0.94	1.04	1.15	1.30	1.46	1.62	1.78	1.94	2.16	2.37	2.59	2.91	3.24	3.56	3.88	4.20	4.52	4.86
Wind	37.51	39.63	42.40	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10
United States																							
Conventional Hydropower	3338.8	3099.8	3313.2	3311.9	3314.2	3318.3	3320.1	3322.1	3324.2	3324.3	3324.5	3324.6	3324.8	3324.9	3325.1	3325.3	3325.4	3325.6	3325.7	3325.9	3326.1	3326.2	3326.4
Geothermal 1/	395.02	396.99	410.48	439.70	442.01	441.77	448.39	466.37	475.16	481.24	499.29	514.66	522.90	526.03	568.30	551.74	571.53	585.50	598.49	625.61	653.75	663.69	687.07
MSW	359.47	364.94	373.56	377.57	381.50	385.64	389.88	396.41	402.27	408.20	414.05	419.48	423.84	427.88	431.49	435.36	438.91	442.44	445.61	448.33	450.40	452.14	453.45
Biomass 2/	69.59	71.14	72.46	77.83	81.49	82.18	82.87	83.79	87.14	93.16	96.38	100.38	106.67	121.69	136.11	150.99	169.91	186.21	208.06	233.14	257.31	285.34	310.89
Solar Thermal 3/	9.27	9.27	9.77	10.30	10.86	11.26	11.33	11.40	11.58	11.72	11.93	12.07	12.24	12.44	12.64	12.91	13.18	13.45	13.68	13.95	14.22	14.49	14.78
Solar Photovoltaic 3/	0.38	0.52	0.91	1.30	1.74	2.41	2.90	3.42	4.09	4.79	5.53	6.43	7.32	8.12	8.89	9.67	10.57	11.49	12.39	13.31	14.21	15.11	16.02
Wind	44.95	59.48	62.78	68.10	72.72	73.29	73.86	74.46	75.37	76.28	77.22	78.16	79.04	79.05	79.05	79.21	79.43	79.79	80.94	82.38	83.43	84.84	86.74

1/ Includes hydrothermal resources only (hot water and steam).

2/ Include projections for energy crops beginning in 2010.

3/ Grid connected generation only.

Btu = British Thermal Unit.

MSW = Municipal solid waste.

Notes: Totals may not equal sum of components due to independent rounding. Regional energy consumption values for renewable technologies are not available for years 1995 and 1996. National values for renewables are provided in these years.

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 76. Renewable Resources, Generating Capacity by EMM Region and Source (Gigawatts)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
ECAR																									
Conventional Hydropower	1.29	1.33	1.33	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	0.4%
Geothermal 1/	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	0.00	0.00	0.00	0.00	N/A
MSW	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	1.7%
Biomass 2/	0.16	0.16	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	0.18	0.18	0.5%
Solar Thermal 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	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	N/A
Wind	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	0.00	0.00	0.00	0.00	N/A
Total	1.56	1.60	1.62	1.69	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.71	1.71	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.74	1.74	1.74	0.5%
ERCOT																									
Conventional Hydropower	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	N/A
Geothermal 1/	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	0.00	0.00	0.00	0.00	N/A
MSW	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	4.4%
Biomass 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	0.01	0.03	0.05	0.08	0.13	N/A
Solar Thermal 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	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 3/	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	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	22.8%
Wind	0.08	0.08	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	4.1%
Total	0.64	0.64	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.88	0.90	0.93	0.96	1.01	2.0%
MAAC																									
Conventional Hydropower	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	N/A
Geothermal 1/	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	0.00	0.00	0.00	0.00	N/A
MSW	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	N/A
Biomass 2/	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	0.06	0.07	0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.17	5.1%
Solar Thermal 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	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	N/A
Wind	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	0.00	0.00	0.00	0.00	N/A
Total	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.10	2.11	2.12	2.12	0.2%
MAIN																									
Conventional Hydropower	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	N/A
Geothermal 1/	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	0.00	0.00	0.00	0.00	N/A
MSW	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.7%
Biomass 2/	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.12	0.16	0.17	0.20	0.23	0.25	0.29	0.35	26.7%
Solar Thermal 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	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	N/A
Wind	0.00	0.00	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	0.02	0.02	0.02	31.7%
Total	0.75	0.75	0.76	0.80	0.80	0.80	0.80	0.80	0.82	0.82	0.82	0.83	0.83	0.84	0.85	0.87	0.89	0.93	0.95	0.98	1.01	1.03	1.07	1.13	1.8%
MAPP																									
Conventional Hydropower	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	N/A
Geothermal 1/	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	0.00	0.00	0.00	0.00	N/A
MSW	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.23	0.24	0.24	0.25	0.26	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	2.1%
Biomass 2/	0.10	0.11	0.11	0.11	0.18	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.25	0.26	0.28	4.4%
Solar Thermal 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	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	N/A
Wind	0.02	0.14	0.52	0.52	0.52	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	16.0%
Total	3.68	3.80	4.20	4.20	4.28	4.49	4.50	4.50	4.51	4.52	4.53	4.54	4.54	4.55	4.56	4.56	4.56	4.57	4.57	4.58	4.59	4.60	4.62	4.63	1.0%

Table 76. Renewable Resources, Generating Capacity by EMM Region and Source (Gigawatts)																								1997-2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
NPCC/ NY																										
Conventional Hydropower	4.44	4.50	4.55	4.62	4.62	4.67	4.78	4.84	4.89	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	0.5%	
Geothermal 1/	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	0.00	0.00	0.00	0.00	0.00	N/A
MSW	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.2%
Biomass 2/	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	0.02	0.02	0.02	0.02	0.03	0.03	0.04	3.0%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	0.00	1.4%
Wind	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Total	4.74	4.80	4.85	4.92	4.92	4.98	5.09	5.14	5.20	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.26	5.26	5.26	5.26	5.27	5.28	5.29	0.5%	
NPCC/ NE																										
Conventional Hydropower	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	0.0%	
Geothermal 1/	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	0.00	0.00	0.00	0.00	0.00	N/A
MSW	0.59	0.59	0.59	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.65	0.66	0.66	0.67	0.67	0.67	0.68	0.68	0.68	0.6%
Biomass 2/	0.69	0.69	0.71	0.72	0.73	0.74	0.75	0.76	0.78	0.79	0.81	0.82	0.83	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.9%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 3/	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Wind	0.01	0.01	0.01	0.02	0.04	0.06	0.08	0.10	0.12	0.15	0.18	0.21	0.24	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	17.3%
Total	3.05	3.06	3.07	3.11	3.14	3.18	3.22	3.26	3.30	3.36	3.41	3.47	3.53	3.57	3.57	3.57	3.58	3.58	3.59	3.59	3.60	3.60	3.61	3.61	0.7%	
SERC/ STV/ Florida																										
Conventional Hydropower	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	0.05	0.05	0.05	0.05	0.05	0.05	N/A
Geothermal 1/	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	0.00	0.00	0.00	0.00	0.00	N/A
MSW	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	N/A
Biomass 2/	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	0.05	0.12	0.18	0.20	0.23	0.25	0.27	0.30	0.32	0.33	0.34	0.34	11.7%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	0.00	N/A
Wind	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	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.73	0.80	0.86	0.88	0.91	0.93	0.95	0.98	1.00	1.01	1.02	1.02	1.6%
SERC/ STV/ excluding Florida																										
Conventional Hydropower	11.33	11.38	11.38	11.39	11.41	11.43	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	0.0%
Geothermal 1/	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	0.00	0.00	0.00	0.00	0.00	N/A
MSW	0.28	0.28	0.29	0.29	0.30	0.31	0.32	0.32	0.33	0.35	0.36	0.37	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	0.43	1.8%
Biomass 2/	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.17	0.24	0.31	0.39	0.55	0.67	0.81	0.93	1.06	1.18	1.28	9.7%	
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	0.00	N/A
Wind	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	0.02	0.04	0.05	0.07	0.09	0.09	N/A
Total	11.76	11.82	11.82	11.84	11.86	11.89	11.91	11.92	11.93	11.94	11.95	11.97	11.97	12.00	12.08	12.16	12.24	12.40	12.53	12.69	12.84	12.98	13.13	13.25	13.25	0.5%
SPP																										
Conventional Hydropower	2.73	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	0.2%
Geothermal 1/	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	0.00	0.00	0.00	0.00	0.00	N/A
MSW	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.16	4.4%
Biomass 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	0.01	0.02	0.03	0.05	0.07	0.12	0.20	0.28	0.38	0.45	N/A	
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	N/A	
Wind	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	0.00	0.00	0.00	0.00	0.00	N/A
Total	2.79	2.90	2.91	2.91	2.92	2.92	2.93	2.93	2.94	2.95	2.96	2.98	2.99	2.99	3.01	3.03	3.05	3.07	3.11	3.17	3.25	3.33	3.45	3.52	3.52	1.0%

Table 76. Renewable Resources, Generating Capacity by EMM Region and Source (Gigawatts)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
WSSC/ NWP																										
Conventional Hydropower	34.95	34.99	35.01	35.03	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	0.0%
Geothermal 1/	0.21	0.21	0.21	0.21	0.25	0.29	0.31	0.36	0.42	0.44	0.47	0.52	0.57	0.64	0.67	0.71	0.78	0.89	0.93	0.97	1.07	1.17	1.20	1.25	1.25	8.1%
MSW	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	3.2%
Biomass 2/	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.12	0.14	0.14	0.14	0.14	0.15	0.17	0.19	0.21	0.23	0.26	0.29	0.32	0.35	0.39	0.39	6.1%
Solar Thermal 3/	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	0.02	0.02	0.03	0.03	0.03	0.04	0.04	N/A	
Solar Photovoltaic 3/	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.18	N/A	
Wind	0.00	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	15.9%
Total	35.36	35.43	35.44	35.47	35.50	35.54	35.58	35.64	35.72	35.78	35.84	35.91	35.99	36.07	36.13	36.21	36.31	36.46	36.53	36.62	36.76	36.90	36.98	37.09	0.2%	
WSSC/ RA																										
Conventional Hydropower	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	0.0%
Geothermal 1/	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.34	0.34	0.34	0.34	0.34	0.34	0.36	0.36	0.36	0.36	0.36	0.36	0.40	0.40	1.1%
MSW	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	4.4%
Biomass 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.08	0.10	0.13	0.15	0.17	0.20	0.25	0.29	0.32	0.35	0.35	N/A	
Solar Thermal 3/	0.00	0.00	0.00	0.02	0.03	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	N/A	
Solar Photovoltaic 3/	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	27.0%	
Wind	0.00	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	0.06	0.07	0.07	0.09	0.10	0.12	0.14	0.16	0.20	N/A	
Total	4.33	4.39	4.40	4.42	4.45	4.48	4.50	4.51	4.52	4.52	4.53	4.57	4.60	4.64	4.67	4.70	4.74	4.80	4.85	4.91	4.98	5.05	5.11	5.22	0.8%	
WSSC/ CNV																										
Conventional Hydropower	11.31	11.31	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	0.0%
Geothermal 1/	2.48	2.48	2.48	2.54	2.63	2.52	2.42	2.32	2.33	2.28	2.28	2.28	2.29	2.18	2.09	2.11	2.01	1.94	1.96	1.92	1.93	1.83	1.86	1.87	-1.2%	
MSW	0.26	0.27	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	1.1%
Biomass 2/	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.39	0.46	0.46	0.49	0.52	0.56	0.58	0.63	0.65	0.67	0.68	0.70	0.72	0.76	0.80	0.80	3.6%
Solar Thermal 3/	0.35	0.35	0.35	0.35	0.35	0.35	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	0.39	0.39	0.39	0.40	0.40	0.5%	
Solar Photovoltaic 3/	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	13.4%	
Wind	1.78	1.78	1.85	1.96	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	0.8%
Total	16.55	16.56	16.69	16.89	17.17	17.07	16.98	16.88	16.89	16.87	16.95	16.95	17.00	16.94	16.89	16.95	16.91	16.88	16.93	16.91	16.96	16.89	16.98	17.04	0.1%	
United States																										
Conventional Hydropower	77.60	77.91	77.98	78.14	78.14	78.22	78.34	78.40	78.45	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	0.1%
Geothermal 1/	3.00	3.00	3.00	3.06	3.19	3.13	3.05	3.00	3.08	3.04	3.06	3.13	3.19	3.16	3.10	3.16	3.13	3.20	3.25	3.25	3.36	3.36	3.42	3.52	0.7%	
MSW	3.41	3.43	3.48	3.56	3.59	3.63	3.66	3.70	3.76	3.81	3.87	3.92	3.97	4.01	4.04	4.07	4.11	4.14	4.17	4.20	4.22	4.24	4.26	4.27	1.0%	
Biomass 2/	1.66	1.68	1.72	1.76	1.84	1.90	1.91	1.93	1.97	2.02	2.12	2.17	2.23	2.33	2.58	2.81	3.05	3.35	3.61	3.96	4.36	4.75	5.20	5.61	5.4%	
Solar Thermal 3/	0.35	0.35	0.35	0.37	0.38	0.40	0.41	0.42	0.42	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.49	0.50	0.51	0.52	1.7%	
Solar Photovoltaic 3/	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.12	0.14	0.17	0.20	0.23	0.27	0.30	0.33	0.36	0.39	0.43	0.46	0.50	0.53	0.57	0.60	0.64	18.7%	
Wind	1.88	2.08	2.68	2.80	2.99	3.18	3.20	3.22	3.24	3.27	3.30	3.33	3.36	3.39	3.39	3.39	3.39	3.40	3.41	3.44	3.49	3.52	3.56	3.61	2.9%	
Total	87.92	88.46	89.23	89.73	90.20	90.52	90.68	90.77	91.05	91.24	91.48	91.72	91.97	92.14	92.39	92.75	93.04	93.49	93.89	94.34	94.97	95.45	96.06	96.68	0.4%	

1/ Includes hydrothermal resources only (hot water and steam).

2/ Include projections for energy crops beginning in 2010.

3/ Grid connected generation only.

Btu = British Thermal Unit.

MSW = Municipal solid waste.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.