

Table 1

Generation	Generation (TWh)			% of Total Supply		
	S1 Base	S2 Base	S3 Base	S1 Base	S2 Base	S3 Base
Coal	40	1,095	1,399	1%	30%	38%
Nuclear	1,087	875	886	36%	24%	24%
CC	755	532	831	25%	15%	23%
CT	39	32	43	1%	1%	1%
Steam Oil/Gas	6	13	15	0%	0%	0%
Hydro	211	228	193	7%	6%	5%
On-Shore Wind	722	476	217	24%	13%	6%
Off-Shore Wind	6	92	6	0%	3%	0%
Other Renewable	65	253	66	2%	7%	2%
Pump Storage Net	-8	-6	-4	0%	0%	0%
DR	4	0	1	0%	0%	0%
Total Generation	2,927	3,591	3,653	98%	99%	99%
External Supply	51	31	34	2%	1%	1%
Total	2,979	3,622	3,687	100%	100%	100%

Table 2

Production Costs (M\$)	S1 Base	S2 Base	S3 Base
	Fuel	41,442	73,789
Variable O&M	6,430	15,502	18,411
Total	47,871	89,291	103,469
CO2	45,340	126	154
Total w/CO2	93,212	89,416	103,622
Emissions (short tons)	S1 Base	S2 Base	S3 Base
SO2 (000)	93	873	1,122
NOx (000)	21	1,300	1,771
CO2 (millions)	358	1,391	1,792
Wind Curtailment	S1 Base	S2 Base	S3 Base
Wind Curtailment (TWh)	131	30	1
Percent Curtailed	15%	5%	0%

Table 3: S2 Base Wind Curtailment

	Potential Wind Energy	Generated Onshore Wind Energy	Generated Offshore Wind Energy	Curtail- ment	Wind Generated as % of Demand	Curtail- ment Percent
ENT	0	0	0	0	0%	0%
FRCC	0	0	0	0	0%	
MAPP_US	25	25	0	0	69%	2%
MISO_IN	1	1	0	0	1%	0%
MISO_MI	9	9	0	0	8%	0%
MISO_MO-IL	3	3	0	0	2%	0%
MISO_W	86	81	0	5	48%	5%
MISO_WUMS	4	4	0	0	6%	0%
NE	9	9	0	0	22%	1%
NEISO	15	14	2	0	12%	0%
NonRTO_Midwest	0	0	0	0	0%	
NYISO_A-F	11	11	0	0	18%	0%
NYISO_G-I	0	0	0	0	1%	0%
NYISO_J-K	0	0	0	0	0%	
PJM_E	36	2	34	0	28%	0%
PJM_ROM	21	21	0	0	13%	0%
PJM_ROR	143	142	0	0	26%	0%
SOCO	1	1	0	0	0%	
SPP_N	40	39	0	1	40%	3%
SPP_S	93	90	0	4	46%	4%
TVA	0	0	0	0	0%	0%
VACAR	81	6	56	19	21%	24%
IESO	17	17	0	1	12%	3%
MAPP_CA	1	1	0	0	2%	2%
EI	598	476	92	30	16%	5%

Table 3A: S1 Base Wind Curtailment

	Potential Wind Energy	Generated Onshore Wind Energy	Generated Offshore Wind Energy	Curtail- ment	Wind Generated as % of Demand	Curtail- ment Percent
ENT	1	1	0	0	0%	30%
FRCC	0	0	0	0	0%	
MAPP_US	32	28	0	4	97%	12%
MISO_IN	28	28	0	1	32%	2%
MISO_MI	24	24	0	0	27%	0%
MISO_MO-IL	32	23	0	8	25%	26%
MISO_W	261	196	0	65	150%	25%
MISO_WUMS	9	9	0	0	16%	1%
NE	55	33	0	22	109%	40%
NEISO	18	16	2	0	15%	2%
NonRTO_Midwest	0	0	0	0	0%	
NYISO_A-F	19	18	0	1	33%	5%
NYISO_G-I	1	1	0	0	4%	0%
NYISO_J-K	0	0	0	0	0%	
PJM_E	6	2	4	0	2%	1%
PJM_ROM	6	6	0	0	4%	0%
PJM_ROR	44	43	0	1	9%	1%
SOCO	0	0	0	0	0%	
SPP_N	146	125	0	21	163%	15%
SPP_S	148	143	0	5	92%	3%
TVA	0	0	0	0	0%	0%
VACAR	9	9	0	0	4%	0%
IESO	17	15	0	2	12%	13%
MAPP_CA	1	1	0	0	3%	0%
EI	859	722	6	131	24%	15%