

Generation (MWh) by Resource Type Climate Change Impact and Resilience Study - Phase II Appendix C

Case	Season	Resource Set	Stress	Case No.	Land-based Wind	Offshore Wind	Solar BTM	Grid Solar	Hydro	Nuclear	Imports	Pumped Storage	Energy Storage	Response	DE Resources	Total
CLCPA	Summer	CCP2		Case 1	5,462,687	3,607,300	1,111,240	4,512,726	1,815,357	2,422,224	2,023,200	79,424	1,096,902	855,608	847,589	23,834,257
CLCPA	Winter	CCP2		Case 2	9,374,434	5,802,535	502,770	1,947,522	2,027,789	2,422,224	2,023,200	104,056	878,087	544,857	2,866,203	28,493,677
CLCPA	Shoulder	CCP2		Case 3	2,661,916	1,799,474	289,509	1,162,669	2,125,506	2,422,224	2,023,200	0	4,852	13,119	0	12,502,469
CLCPA	Summer	CCP2	Heat Wave	Case 4	5,266,677	3,524,269	1,190,415	4,791,541	1,815,357	2,422,224	2,023,200	80,211	1,146,325	900,108	964,668	24,124,995
CLCPA	Winter	CCP2	Cold Snap	Case 5	9,473,782	5,864,029	594,149	2,313,840	2,027,789	2,422,224	2,023,200	106,101	946,003	560,652	2,879,947	29,211,716
CLCPA	Summer	CCP2	Wind Lulll Upstate	Case 6	4,802,392	3,721,835	1,146,523	4,656,009	1,815,357	2,422,224	2,023,200	94,326	1,177,630	917,925	1,171,656	23,949,077
CLCPA	Winter	CCP2	Wind Lulll Upstate	Case 7	9,090,244	5,844,851	506,436	1,961,725	2,027,789	2,422,224	2,023,200	103,102	871,386	554,658	3,076,530	28,482,145
CLCPA	Shoulder	CCP2	Wind Lulll Upstate	Case 8	2,424,869	1,921,008	309,062	1,241,195	2,125,506	2,422,224	2,023,200		6,125	30,776		12,503,965
CLCPA	Summer	CCP2	Wind Lull Offshore	Case 9	5,595,771	3,035,028	1,138,313	4,622,668	1,815,357	2,422,224	2,023,200	97,519	1,174,286	908,883	1,116,165	23,949,414
CLCPA	Winter	CCP2	Wind Lull Offshore	Case 10	9,382,400	5,282,033	503,197	1,949,177	2,027,789	2,422,224	2,023,200	102,106	842,671	556,764	3,350,666	28,442,227
CLCPA	Shoulder	CCP2	Wind Lull Offshore	Case 11	2,780,920	1,611,361	302,452	1,214,648	2,125,506	2,422,224	2,023,200		5,879	17,488		12,503,678
CLCPA	Summer	CCP2	Statewide Calm	Case 12	4,834,847	3,077,577	1,154,271	4,687,475	1,815,357	2,422,224	2,023,200	118,133	1,108,080	960,664	1,697,161	23,898,989
CLCPA	Winter	CCP2	Statewide Calm	Case 13	9,043,988	5,288,985	503,859	1,951,742	2,027,789	2,422,224	2,023,200	98,672	800,462	566,429	3,653,404	28,380,754
CLCPA	Shoulder	CCP2	Statewide Calm	Case 14	2,531,655	1,719,090	322,672	1,295,854	2,125,506	2,422,224	2,023,200		15,493	59,291		12,514,985
CLCPA	Summer	CCP2	Hurricane	Case 15	4,979,290	2,625,360	1,005,783	4,104,207	1,815,357	2,422,224	2,023,200	47,930	948,195	858,127	1,892,046	22,721,719
CLCPA	Summer	CCP2	Upstate Wind Storm	Case 16	3,883,307	3,546,665	1,084,335	4,385,860	1,815,357	2,422,224	2,023,200	132,623	951,409	969,018	2,002,682	23,216,680
CLCPA	Winter	CCP2	Upstate Wind Storm	Case 17	7,193,547	6,111,804	528,251	2,041,991	2,027,789	2,422,224	2,023,200	98,702	856,280	623,946	3,822,059	27,749,793
CLCPA	Summer	CCP2	Offshore Wind Storm	Case 18	5,632,875	2,969,966	1,145,860	4,653,319	1,815,357	2,422,224	2,023,200	84,905	1,175,299	931,315	1,079,462	23,933,782
CLCPA	Winter	CCP2	Offshore Wind Storm	Case 19	9,950,572	4,269,184	533,669	2,067,214	2,027,789	2,422,224	2,023,200	101,703	936,756	613,244	3,609,785	28,555,340
CLCPA	Shoulder	CCP2	Offshore Wind Storm	Case 20	2,875,329	1,461,643	312,719	1,255,883	2,125,506	2,422,224	2,023,200		4,852	21,112		12,502,468
CLCPA	Summer	CCP2	Drought	Case 21	5,672,437	3,745,809	1,153,908	4,686,001	907,678	2,422,224	2,023,200	85,949	1,172,574	903,658	1,148,649	23,922,087
CLCPA	Winter	CCP2	Drought	Case 22	9,661,074	5,979,958	518,143	2,007,071	1,013,895	2,422,224	2,023,200	99,212	866,943	567,452	3,308,802	28,467,974
CLCPA	Winter	CCP2	Icing	Case 23	9,017,653	5,851,840	507,042	1,964,070	2,027,789	2,422,224	2,023,200	103,918	923,544	561,710	2,909,441	28,312,431
Reference	Summer	CCP2		Case 24	3,145,064	3,565,470	666,984	4,059,539	1,815,357	2,422,224	2,023,200	99,782	734,114	460,868	972,445	19,965,047
Reference	Winter	CCP2		Case 25	3,094,871	3,288,718	173,042	1,004,603	2,027,789	2,422,224	2,023,200	9,462	312,542	125,986	9,316	14,941,753
Reference	Shoulder	CCP2		Case 26	1,623,457	1,884,098	184,074	1,107,943	2,125,506	2,422,224	2,023,200		9,745	16,458		11,396,705
Reference	Summer	CCP2	Heat Wave	Case 27	3,035,595	3,487,285	715,303	4,315,160	1,815,357	2,422,224	2,023,200	118,913	783,113	492,505	1,067,892	20,276,547
Reference	Winter	CCP2	Cold Snap	Case 28	3,164,734	3,362,956	206,916	1,207,707	2,027,789	2,422,224	2,023,200	9,462	322,290	126,012	9,316	14,882,606
Reference	Summer	CCP2	Wind Lulll Upstate	Case 29	2,739,711	3,645,151	681,890	4,150,262	1,815,357	2,422,224	2,023,200	112,952	762,053	485,968	1,175,962	20,014,730
Reference	Winter	CCP2	Wind Lulll Upstate	Case 30	3,024,648	3,338,751	175,674	1,019,887	2,027,789	2,422,224	2,023,200	10,703	347,391	133,493	10,646	14,534,400
Reference	Shoulder	CCP2	Wind Lulll Upstate	Case 31	1,454,793	1,978,579	193,305	1,163,502	2,125,506	2,422,224	2,023,200		11,779	26,212		11,399,100
Reference	Summer	CCP2	Wind Lull Offshore	Case 32	2,225,043	3,002,960	683,946	4,162,773	1,815,357	2,422,224	2,023,200	113,904	750,526	494,222	1,307,217	20,001,372
Reference	Winter	CCP2	Wind Lull Offshore	Case 33	3,203,629	3,096,283	179,123	1,039,906	2,027,789	2,422,224	2,023,200	25,438	352,537	141,917	48,055	14,560,101
Reference	Shoulder	CCP2	Wind Lull Offshore	Case 34	1,717,961	1,708,948	194,789	1,172,437	2,125,506	2,422,224	2,023,200		10,495	22,027		11,397,587
Reference	Summer	CCP2	Statewide Calm	Case 35	2,763,845	3,020,307	687,897	4,186,821	1,815,357	2,422,224	2,023,200	110,805	685,887	505,755	1,697,729	19,919,827
Reference	Winter	CCP2	Statewide Calm	Case 36	3,115,253	3,127,641	180,937	1,050,438	2,027,789	2,422,224	2,023,200	35,171	353,002	147,726	90,238	14,573,619
Reference	Shoulder	CCP2	Statewide Calm	Case 37	1,541,734	1,797,276	204,857	1,233,036	2,125,506	2,422,224	2,023,200		23,561	41,565		11,412,959
Reference	Summer	CCP2	Hurricane	Case 38	2,910,376	2,634,401	612,873	3,748,224	1,815,357	2,023,200	2,023,200	79,068	726,891	467,529	1,637,221	18,678,340
Reference	Summer	CCP2	Upstate Wind Storm	Case 39	2,155,404	3,379,546	627,444	3,803,612	1,815,357	2,422,224	2,023,200	131,127	662,049	490,434	1,975,003	19,485,400
Reference	Winter	CCP2	Upstate Wind Storm	Case 40	2,364,973	3,449,561	181,054	1,048,942	2,027,789	2,422,224	2,023,200	49,959	358,711	168,851	119,194	14,214,458
Reference	Summer	CCP2	Offshore Wind Storm	Case 41	3,265,683	2,956,015	692,564	4,115,230	1,815,357	2,422,224	2,023,200	125,175	804,974	511,874	1,249,962	20,082,258
Reference	Winter	CCP2	Offshore Wind Storm	Case 42	3,559,065	2,621,465	198,996	1,255,282	2,027,789	2,422,224	2,023,200	30,273	415,715	155,556	31,312	14,640,877
Reference	Shoulder	CCP2	Offshore Wind Storm	Case 43	1,796,317	1,567,647	203,674	1,225,912	2,125,506	2,422,224	2,023,200		11,446	22,780		11,398,706
Reference	Summer	CCP2	Drought	Case 44	3,291,114	3,731,042	697,957	4,248,055	907,678	2,422,224	2,023,200	111,730	804,899	504,521	1,305,698	20,048,118
Reference	Winter	CCP2	Drought	Case 45	3,493,819	3,712,654	195,348	1,134,103	1,013,895	2,422,224	2,023,200	31,441	440,040	159,551	44,773	14,671,048
Reference	Winter	CCP2	Icing	Case 46	2,951,376	3,288,022	173,005	1,004,391	2,027,789	2,422,224	2,023,200	15,146	322,261	135,983	9,887	14,373,284
CLCPA	Summer	GIT		Case 47	3,863,788	4,596,439	693,085	3,918,407	1,983,830	1,552,601	792,000	155,854	834,108	1,030,945	4,181,951	23,603,008
CLCPA	Winter	GIT		Case 48	6,488,628	7,243,826	319,548	1,702,300	2,256,300	1,552,601	792,000	75,649	575,873	898,730	6,155,323	28,060,778
CLCPA	Shoulder	GIT		Case 49	2,650,016	3,230,029	256,538	1,427,887	2,378,794	1,552,601	792,000	140,027	226,363	7,233	12,661,488	
CLCPA	Summer	GIT	Heat Wave	Case 50	3,685,477	4,442,980	742,845	4,199,478	1,983,830	1,552,601	792,000	169,887	841,074	1,047,074	4,404,209	23,861,455
CLCPA	Winter	GIT	Cold Snap	Case 51	6,539,563	7,300,690	381,598	2,042,508	2,256,300	1,552,601	792,000	86,326	601,558	914,056	6,272,963	28,740,163
CLCPA	Summer	GIT	Onshore Calm	Case 52	3,353,283	4,681,683	705,939	3,991,076	1,983,830	1,552,601	792,000	149,490	832,399	1,048,935	4,501,251	23,592,487
CLCPA	Winter	GIT	Onshore Calm	Case 53	6,273,712	7,275,534	320,946	1,709,751	2,256,300	1,552,601	792,000	75,649	570,531	910,657	6,309,711	28,047,392
CLCPA	Shoulder	GIT	Onshore Calm	Case 54	2,380,028	3,399,614	270,007	1,502,854	2,378,794	1,552,601	792,000		156,531	241,276	7,201	12,680,906
CLCPA	Summer	GIT	Offshore Calm	Case 55	3,865,222	3,776,743	693,342	3,919,861	1,983,830	1,552,601	792,000	156,355	799,725	1,039,714	4,983,818	23,563,211
CLCPA	Winter	GIT	Offshore Calm	Case 56	6,471,273	6,571,095	318,693	1,697,747	2,256,300	1,552,601	792,000	75,649	53			