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38 MMT Portfolio

46 MMT Portfolio

Form 1.5b - STATEWIDE															CAISO area Non-IOU,CCA,ESP demand flag	
California Energy Demand 2019-2030 Managed Forecast - Mid Demand / Mid AAEE Case																
1-in-2 Net Electricity Peak Demand by Agency and Balancing Authority (MW)																
Balancing Authority	Agency	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Average Annual Growth (2019-2030)		
	PG&E Service Area - Greater Bay Area	7,223	7,113	6,970	6,926	6,902	6,898	6,922	6,951	6,977	7,032	7,025	7,062	-0.20%		
	NCPA - Greater Bay Area	198	194	190	188	186	185	186	186	186	187	186	188	-0.49%	1	
	Power Enterprise of the San Francisco PUC	125	123	120	118	117	117	117	117	117	118	118	118	-0.49%	1	
	Silicon Valley Power	530	542	540	546	553	562	569	570	570	573	571	575	0.75%	1	
	Other NP15 LSEs - Bay Area	5	5	5	5	5	5	5	5	5	5	5	5	-0.69%	1	
	CDWR - Greater Bay Area	55	55	57	57	57	57	56	56	56	56	56	56	0.92%	1	
	WAPA - Greater Bay Area	52	52	52	52	52	52	52	52	52	52	52	52	0.00%	1	
Greater Bay Area Subtotal		8,188	8,083	7,933	7,892	7,873	7,876	7,907	7,937	7,964	8,023	8,013	8,061	-0.14%		
	PG&E Service Area - Non Bay Area	9,955	9,803	9,606	9,545	9,513	9,507	9,540	9,580	9,616	9,691	9,682	9,734	-0.20%		
	NCPA - Non Bay Area	211	207	202	200	199	198	198	198	199	200	199	200	-0.49%	1	
	Other NP15 LSEs - Non Bay Area	7	7	7	7	7	7	7	7	7	7	7	7	-0.49%	1	
	CDWR - Non Bay Area	55	55	57	57	57	57	56	56	56	56	56	60	0.92%	1	
	WAPA - Non Bay Area	185	185	185	185	185	185	185	185	185	185	185	185	0.00%	1	
Total North of Path 15		18,602	18,341	17,991	17,886	17,832	17,829	17,893	17,964	18,026	18,161	18,142	18,247	-0.17%		
	PG&E Service Area - ZP26	2,047	2,016	1,975	1,963	1,956	1,955	1,962	1,970	1,977	1,993	1,991	2,002	-0.20%		
	CDWR - ZP26	115	115	120	120	120	120	119	118	118	118	118	127	0.92%	1	
	WAPA - ZP26	15	15	15	15	15	15	15	15	15	15	15	15	0.00%	1	
Total Zone Path 26		2,177	2,146	2,110	2,097	2,091	2,090	2,095	2,103	2,111	2,126	2,124	2,144	-0.14%		
Total Valley		12,591	12,403	12,167	12,091	12,051	12,043	12,081	12,130	12,173	12,265	12,253	12,330	-0.19%		
Total North of Path 26 (Total PG&E TAC Area)		20,779	20,486	20,100	19,983	19,923	19,919	19,988	20,067	20,137	20,287	20,266	20,391	-0.17%		
	Turlock Irrigation District	543	535	531	530	528	527	525	524	524	524	525	527	-0.27%		
	Merced	109	108	107	107	106	106	106	106	106	106	106	106	-0.27%		
Total Turlock Irrigation District Control Area		652	643	638	637	634	633	631	630	629	630	631	633	-0.27%		
	SMUD	2,959	2,916	2,899	2,897	2,890	2,881	2,870	2,861	2,867	2,869	2,882	2,895	-0.20%		
	Modesto Irrigation District	674	664	659	658	656	654	652	651	650	651	652	654	-0.27%		
	Roseville	325	321	318	318	316	316	315	314	314	314	315	316	-0.27%		
	Redding	221	217	216	215	215	214	213	213	213	213	213	214	-0.27%		
	City of Shasta Lake	35	34	34	34	34	34	33	33	33	33	33	34	-0.27%		
	WAPA (BANC)	90	90	90	90	90	90	90	90	90	90	90	90	0.00%		
Total Balancing Authority of Northern California Control Area		4,304	4,242	4,215	4,211	4,200	4,188	4,174	4,163	4,161	4,171	4,186	4,202	-0.22%		
	SCE Service Area - LA Basin	16,297	16,109	15,975	15,861	15,850	15,796	15,753	15,749	15,769	15,789	15,883	16,027	-0.15%		
	Anaheim	526	520	515	512	511	509	508	508	509	509	512	517	-0.15%	1	
	Pasadena Water and Power	273	270	267	265	264	264	264	264	264	264	266	268	-0.15%	1	
	Riverside	594	587	582	578	577	575	574	574	574	575	579	584	-0.15%	1	
	Vernon	149	147	171	170	169	169	169	169	169	169	170	171	1.26%	1	
	OtherSP15 LSEs - LA Basin	246	243	241	240	239	239	238	238	238	239	240	242	-0.15%	1	
	MWD - LA Basin	20	20	20	20	20	20	20	20	20	20	20	20	0.00%	1	
LA Basin Subtotal		18,104	17,895	17,771	17,645	17,633	17,572	17,525	17,521	17,542	17,565	17,669	17,829	-0.14%		
	SCE Service Area - Big Creek/Ventura	3,996	3,950	3,917	3,889	3,873	3,862	3,861	3,866	3,871	3,894	3,894	3,929	-0.15%		
	CDWR - Big Creek/Ventura	290	275	275	275	275	275	275	276	276	303	303	303	0.40%	1	
Big Creek/Ventura Subtotal		4,286	4,224	4,192	4,164	4,161	4,148	4,137	4,143	4,142	4,174	4,197	4,233	-0.11%		
	SCE Service Area - Other	1,010	999	990	983	983	979	977	976	977	979	985	993	-0.15%		
	Other SP15 LSEs - Other	26	26	25	25	25	25	25	25	25	25	25	25	-0.15%	1	
	CDWR - Other	47	45	45	45	45	45	45	45	45	50	50	50	0.40%	1	
	MWD - Other	163	154	154	154	154	154	154	154	154	171	172	172	0.45%	1	
Total SCE TAC Area		23,637	23,343	23,177	23,015	23,000	22,923	22,862	22,859	22,886	22,964	23,097	23,301	-0.13%		
SDG&E TAC Area		4,194	4,138	4,158	4,194	4,224	4,250	4,273	4,292	4,313	4,334	4,354	4,373	0.38%		
Valley Electric Association (CA + NV Territory)		133	145	153	156	159	161	164	166	169	171	173	176	2.53%	1	
Total South of Path 26		27,964	27,625	27,488	27,366	27,383	27,334	27,299	27,317	27,368	27,469	27,625	27,850	-0.04%		
	LADWP	5,787	5,696	5,608	5,555	5,450	5,368	5,246	5,160	5,059	4,992	4,940	4,872	-1.55%		
	Burbank	286	284	284	285	283	282	281	279	279	279	281	283	-0.11%		
	Glendale	297	295	294	295	294	292	291	290	289	290	291	293	-0.11%		
Total LADWP Control Area		6,370	6,275	6,186	6,135	6,028	5,942	5,818	5,729	5,627	5,561	5,512	5,448	-1.41%		
Imperial Irrigation District Control Area		1,071	1,056	1,045	1,037	1,030	1,024	1,019	1,017	1,017	1,020	1,026	1,033	-0.33%		
Total California ISO Noncoincident Peak		48,743	48,112	47,589	47,349	47,306	47,253	47,287	47,384	47,505	47,757	47,891	48,241	-0.09%		
Total California ISO Coincident Peak		46,117	45,647	45,184	45,280	45,447	45,610	45,827	46,011	46,227	46,493	46,702	47,016	0.18%		
Total STATEWIDE Noncoincident Peak		61,141	60,327	59,673	59,369	59,198	59,040	58,929	58,923	58,940	59,138	59,246	59,558	-0.24%		
Total STATEWIDE Coincident Peak		57,848	57,236	56,658	56,775	56,872	56,987	57,109	57,216	57,354	57,572	57,776	58,045	0.03%		

Table developed using weather normalized 2019 net peak demand values for each BA area. Includes the impact of IOU load-modifying demand response programs.

Agency peak demand within a BA area is adjusted to be coincident with the respective BA area net peak demand total.

248
2020 = 510

	2,020	2,021	2,022	2,023	2,024	2,025	2,026	2,027	2,028	2,029	2,030
CAISO area Non-IOU,CCA,ESP non-coincident demand	3,985	3,997	3,988	3,992	3,995	3,999	4,004	4,009	4,068	4,077	4,120
CAISO area IOU,CCA,ESP non-coincident demand	44,127	43,592	43,361	43,314	43,259	43,288	43,380	43,496	43,689	43,813	44,121
coincident adjustment	95%	96%	96%	97%	97%	97%	97%	97%	98%	98%	97%
CAISO area IOU,CCA,ESP coincident demand	41,866	41,389	41,466	41,612	41,754	41,951	42,123	42,326	42,533	42,726	43,000

Your LSE's estimated percent of CAISO area IOU,CCA,ESP coincident demand	2%
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Your LSE's estimated system RA requirement, NQC MW	767	758	759	762	765	768	771	775	779	782	787
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Test

TRUE

lse	resource	cpuc_contract_id	Year	Month	contract_gwh	contracted_nqc_mw_if_known	nqc_fraction_of_nqc_not_known	contract_status	storage_duration_hours	notes	max_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multipler	calculated_nqc_mw_for_resources_with_no_contracted_nqc	final_nqc_mw	test_nqc	supertype	LSE is buying energy from resource	LSE is buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index	Test: Correct data type for resource	Test: Correct data type for Year	Test: Correct data type for Month	TEST: No blanks in energy and capacity data	TEST: No missing data	Test: Correct data type for max_mw	TEST: NQC provided only once	TEST: Working ELCC type
MBCPA	New_Hybrid	energy_PP005201	2021	7	24			development	4			CAISO_Hybrid	0	unknown	unknown_2021_7	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	1	1	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2021	8	22			development	4			CAISO_Hybrid	0	unknown	unknown_2021_8	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2021	9	18			development	4			CAISO_Hybrid	0	unknown	unknown_2021_9	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2021	10	15			development	4			CAISO_Hybrid	0	unknown	unknown_2021_10	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2021	11	10			development	4			CAISO_Hybrid	0	unknown	unknown_2021_11	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2021	12	7			development	4			CAISO_Hybrid	0	unknown	unknown_2021_12	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2022	1	7			development	4			CAISO_Hybrid	0	unknown	unknown_2022_1	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2022	2	10			development	4			CAISO_Hybrid	0	unknown	unknown_2022_2	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2022	3	16			development	4			CAISO_Hybrid	0	unknown	unknown_2022_3	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2022	4	20			development	4			CAISO_Hybrid	0	unknown	unknown_2022_4	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2022	5	22			development	4			CAISO_Hybrid	0	unknown	unknown_2022_5	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2022	6	23			development	4			CAISO_Hybrid	0	unknown	unknown_2022_6	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2022	7	24			development	4			CAISO_Hybrid	0	unknown	unknown_2022_7	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2022	8	22			development	4			CAISO_Hybrid	0	unknown	unknown_2022_8	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty	0	0	1	1	1	1	1	1	1	
MBCPA	New_Hybrid	energy_PP005201	2022	9	18			development	4			CAISO_Hybrid	0	unknown	unknown_2022_9	0%	1			ok	new_resolve	1	1	New_Hybrid_energy_PP005201_RE_Slate1_hybrid_67.4MWSolar_33.7MWbattery_KingsCnty										

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resource_num	resource	note	resource_contract_note	online	online_date_for_new_re sources	contract_execution_date	contract_start	contract_end	interconnection_queue_positi n	loc_owned	cam	is_incremental	incremental_empa nation	viability_cod_reasonableness	viability_technical_feasibility	viability_resource_sufficiency	viability_financing	storage_max_discha rgc_mw	storage_depth_mw h	12_hybrid	hybrid_generator_ mw	hybrid_combined_max_mw	hybrid_capacity_from_grid	execution_year	execution_month	start_year	start_month	end_year	end_month	Test: Correct data type for loc_owned	Test: Correct data type for cam	Test: All data provided for hybrid	TEST: All data provided for contract	TEST: No filmes	Max MW in September 2021	NOC MW in September 2021	Supply Side incremental NOC MW in September 2021	Incremental energy only NOC MW in September 2021	Incremental demand-side resource not in IEPR demand forecast in September 2021	find_position_of_adding	find_position_of_mw	Incremental MW added to existing resource September 2021
1				0	6/30/21	2/14/20	6/30/21	6/29/18	1158	0	0	1		1	1	2	3	34	135	1	68	101	0	2020	2	2021	6	2038	6	1	1	1	1	0			0					
2				0	12/1/21	10/15/18	12/1/21	11/30/41	1329	0	0	1		1	1	3	3	18	72	1	76	1	0	2018	10	2021	12	2041	11	1	1	1	0			0						
3				1	6/1/22	4/6/20	6/1/22	5/31/21	1215	0	0	1		1	1	2	3	12	30	1	60	72	0	2020	4	2022	6	2037	5	1	1	1	1	0			0					
4				1	ok	4/6/20	1/1/22	12/31/36	N/A	0	0	0		1	ok	ok	ok	ok	ok	ok	ok	ok	0	2020	4	2022	1	2036	12	1	1	1	1	0			0					
5				0	12/31/21	1/6/20	12/31/21	12/30/31	315	0	0	1		1	1	2	3	0	0	0	0	1	0	2020	1	2021	12	2031	12	1	1	1	1	0			0					
6				0	12/31/22	12/14/20	12/31/22	12/30/42	N/A	0	0	1		1	1	2	3	12	39	156	1	75	114	0	2020	12	2022	12	2036	12	1	1	1	1	0			0				
7				0	6/30/23	6/11/20	6/30/23	6/29/43	1604	0	0	1		1	1	2	4	30	90	1	120	150.0	0	2020	6	2023	6	2043	6	1	1	1	1	0			0					
8				0	12/1/23	12/31/20	12/1/23	11/30/43	1215	0	0	1		2	1	2	4	23	90	1	75	98	0	2020	12	2023	12	2043	11	1	1	1	1	0			0					
9				1	ok	12/31/20	12/31/22	12/31/37	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2020	12	2022	12	2037	12	1	1	1	1	0			0					
10				1	ok	12/31/20	12/31/22	12/31/37	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2020	12	2022	12	2037	12	1	1	1	1	0			0					
11				1	ok	12/31/20	12/31/22	12/31/37	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2020	12	2022	12	2037	12	1	1	1	1	0			0					
12				0	12/31/22	12/31/22	12/31/22	12/31/22	N/A	0	0	filme		1	1	2	4	23	91	1	91	114	0	2020	12	2022	12	2037	12	1	1	1	1	0			0					
13				0	12/31/25	12/31/25	12/31/25	12/31/25	N/A	0	0	filme		3	3	2	4	68	270	1	225	293	0	2020	12	2022	12	2040	12	1	1	1	1	0			0					
14				0	12/31/24	12/31/22	12/31/24	12/31/39	N/A	0	0	filme		3	1	2	4	0	0	0	0	0	0	2022	12	2024	12	2039	12	1	1	1	1	0			0					
15				0	12/31/24	12/31/22	12/31/24	12/31/39	N/A	0	0	filme		3	1	2	4	0	0	0	0	0	0	2022	12	2024	12	2039	12	1	1	1	1	0			0					
16				0	12/31/24	12/31/22	12/31/24	12/31/39	N/A	0	0	filme		3	1	2	4	90	360	1	360	450	0	2022	12	2024	12	2039	12	1	1	1	1	0			0					
17				0	12/31/24	12/31/22	12/31/24	12/31/39	N/A	0	0	filme		3	2	2	4	80	640	0	0	0	1	2022	12	2024	12	2039	12	1	1	1	1	0			0					
18				1	ok	3/6/18	1/1/19	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2018	3	2019	1	2020	12	1	1	1	1	0			0					
19				1	ok	4/30/18	1/1/19	12/31/21	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2018	4	2019	1	2021	12	1	1	1	1	0			0					
20				1	ok	10/31/20	1/1/21	12/31/30	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2020	10	2021	1	2030	12	1	1	1	1	0			0					
21				1	ok	4/30/18	1/1/19	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2018	4	2019	1	2020	12	1	1	1	1	0			0					
22				1	ok	10/1/20	1/1/21	12/31/24	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2020	10	2021	1	2024	12	1	1	1	1	0			0					
23				1	ok	4/30/18	1/1/19	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2018	4	2019	1	2020	12	1	1	1	1	0			0					
24				0	ok	5/3/18	1/1/19	12/31/21	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2018	5	2019	1	2023	12	1	1	1	1	0			0					
25				1	ok	5/3/18	1/1/19	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2018	5	2019	1	2020	12	1	1	1	1	0			0					
26				1	ok	5/3/18	1/1/19	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2018	5	2019	1	2020	12	1	1	1	1	0			0					
27				1	ok	7/27/18	1/1/19	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2018	7	2019	1	2020	12	1	1	1	1	0			0					
28				1	ok	7/31/19	1/1/20	12/31/22	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	7	2020	1	2022	12	1	1	1	1	0			0					
29				1	ok	7/31/19	1/1/22	12/31/22	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	7	2022	1	2022	12	1	1	1	1	0			0					
30				1	ok	9/13/19	1/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	9	2020	1	2020	12	1	1	1	1	0			0					
31				1	ok	9/17/19	7/1/22	10/31/22	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	9	2022	7	2022	10	1	1	1	1	0			0					
32				1	ok	10/11/19	1/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2020	12	1	1	1	1	0			0					
33				1	ok	10/16/19	1/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2020	12	1	1	1	1	0			0					
34				1	ok	10/16/19	1/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2020	12	1	1	1	1	0			0					
35				1	ok	10/16/19	1/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2020	12	1	1	1	1	0			0					
36				1	ok	10/16/19	1/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2020	12	1	1	1	1	0			0					
37				1	ok	10/18/19	7/1/21	9/30/21	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2021	7	2021	9	1	1	1	1	0			0					
38				1	ok	10/25/19	1/1/20	12/31/22	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2022	12	1	1	1	1	0			0					
39				1	ok	10/25/19	1/1/20	12/31/22	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2022	12	1	1	1	1	0			0					
40				1	ok	10/25/19	1/1/20	12/31/22	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2022	12	1	1	1	1	0			0					
41				1	ok	10/25/19	3/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	3	2020	12	1	1	1	1	0			0					
42				1	ok	10/25/19	3/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	3	2020	12	1	1	1	1	0			0					
43				1	ok	10/25/19	1/1/21	12/31/21	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2021	1	2021	12	1	1	1	1	0			0					
44				1	ok	10/25/19	1/1/21	12/31/21	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2021	1	2021	12	1	1	1	1	0			0					
45				1	ok	10/25/19	1/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2020	12	1	1	1	1	0			0					
46				1	ok	10/25/19	1/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	2020	12	1	1	1	1	0			0					
47				1	ok	10/29/19	1/1/20	12/31/20	N/A	0	0	filme		ok	ok	ok	ok	ok	ok	ok	ok	ok	0	2019	10	2020	1	20														

101		1	ok	6/20/18	7/1/18	12/31/20	N/A	0	0	0	ok	ok	ok	ok		2018	6	2018	7	2020	12	1	1	1	1	1	0		0		0		0
102		1	ok	10/24/18	1/1/19	12/31/20	N/A	0	0	0	ok	ok	ok	ok		2018	10	2019	1	2020	12	1	1	1	1	1	0		0		0		0
103		1	ok	5/6/19	1/1/20	12/31/20	N/A	0	0	0	ok	ok	ok	ok		2019	5	2020	1	2020	12	0	0	0	0	0	0		0		0		0
104		1	ok	11/19/19	1/1/21	12/31/21	N/A	0	0	0	ok	ok	ok	ok		2019	11	2021	1	2021	12	1	1	1	1	1	0		0		0		0
105		1	ok	7/31/20	1/1/21	12/31/21	N/A	0	0	0	ok	ok	ok	ok		2020	2	2021	1	2021	12	1	1	1	1	1	0		0		0		0
106		1	ok	7/31/19	8/1/19	7/31/20	N/A	0	0	0	ok	ok	ok	ok		2019	7	2019	8	2020	7	1	1	1	1	1	0		0		0		0
107		1	ok	12/14/17	3/1/18	12/31/20	N/A	0	0	0	ok	ok	ok	ok		2017	12	2018	3	2020	12	1	1	1	1	1	0		0		0		0
108		1	ok	12/14/17	3/1/18	12/31/22	N/A	0	0	0	ok	ok	ok	ok		2017	12	2018	3	2022	12	1	1	1	1	1	0		0		0		0
109		1	ok	1/5/18	3/1/18	9/30/21	N/A	0	0	0	ok	ok	ok	ok		2018	1	2018	3	2021	9	1	1	1	1	1	0		0		0		0
110		1	ok	9/5/18	1/1/19	12/31/21	N/A	0	0	0	ok	ok	ok	ok		2018	9	2019	1	2021	12	1	1	1	1	1	0		0		0		0
111		1	ok	4/15/20	4/15/20	12/31/20	N/A	0	0	0	ok	ok	ok	ok		2020	4	2020	4	2020	12	1	1	1	1	1	0		0		0		0
112		1	ok	6/15/20	6/15/20	12/31/20	N/A	0	0	0	ok	ok	ok	ok		2020	6	2020	6	2020	12	1	1	1	1	1	0		0		0		0
113		1	ok	12/14/17	3/1/18	12/31/20	N/A	0	0	0	ok	ok	ok	ok		2017	12	2018	3	2020	12	1	1	1	1	1	0		0		0		0
114		1	ok	1/1/21	1/1/21	12/31/30	N/A	0	0	0	ok	ok	ok	ok		2021	1	2021	1	2030	12	1	1	1	1	1	0		0		0		0
115		1	ok	1/1/23	1/1/25	12/31/49	N/A	0	0	filme	ok	ok	ok	ok		2023	1	2025	1	2049	12	1	1	1	1	0		0		0		0	
116		1	1/1/27	1/1/25	1/1/27	12/31/47	N/A	0	0	filme	ok	ok	ok	ok		2027	1	2027	1	2047	12	1	1	1	1	0		0		0		0	
117		0	1/1/28	1/1/26	1/1/28	12/31/48	N/A	0	0	filme	1	1	1	3		2026	1	2028	1	2048	12	1	1	1	1	0		0		0		0	

monthly_gwh_mw

Test: Correct data type for resource	Test: Correct data type for Year	Test: Correct data type for Month	TEST: No blanks in energy and capacity data	TEST: No missing data	Test: Correct data type for max_mw	TEST: NQC provided only once	TEST: Working ELCC type
0	0	0	0	0	0	0	0

unique_contracts

Test: Correct data type for lse_owned	Test: Correct data type for cam	Test: All data provided for hybrid	TEST: All data provided for contract	TEST: No fillmes
0	0	0	0	61

monthly_gwh_mw

notes	max_mw	resource_type	currently_online	elcc_type
0	0	0	0	0

unique_contracts

online_date_for_new_resources	is_incremental	viability_cod_reasonableness	viability_technical_feasibility	viability_resource_sufficiency	viability_financing
1	61	1	1	1	1

Show NQC for this month in System Reliability Progress Tracking Table->
Show D.19-11-016 incremental procurement in this year ->
Display NQC MW or GWh in System Reliability Progress Tracking Table?

September
2021
NQC MW

September 2021

System Reliability Progress Tracking Table (NQC MW) for month ofSeptember by contract status, 38 MMT portfolio	ELCC type	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030

NQC MW from data	NQC MW displayed in table	difference (absolute)	match?

item	col	name
NQC MW	monthly_g	System Reliability Progress Tracking Table (NQC MW) for month of September by contract status, 38 MMT portfolio
GWh	monthly_g	Annual GWh by resource type