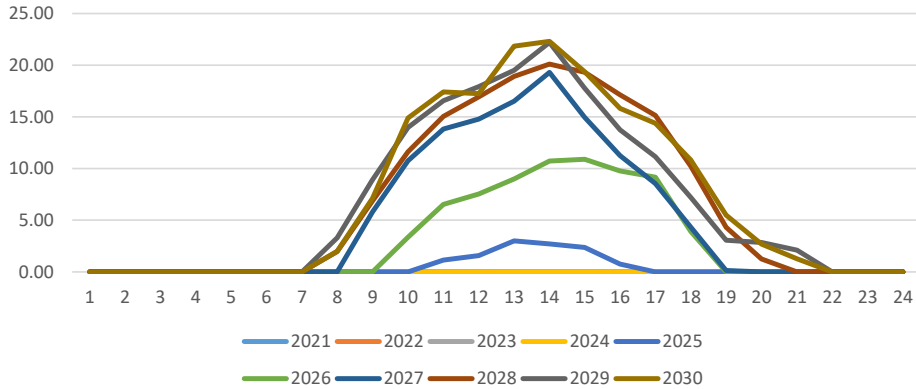


DER Attribute Requirements: Colonia 66/16kV

Season(s)	Date(s)
Winter	November - February
Spring	March - May
Summer	June - October

Colonia Requirement



Capacity (MW)	Energy Need (MWh)	Season	Monthly Frequency	Yearly Frequency	Year
0.0	0.0	N/A	0	0	2021
0.0	0.0	N/A	0	0	2022
0.0	0.0	N/A	0	0	2023
0.0	0.0	N/A	0	0	2024
3.0	11.6	Summer	5	15	2025
10.9	70.9	Summer	13	50	2026
19.3	120.2	Year Round	24	140	2027
20.1	158.7	Year Round	24	145	2028
22.2	160.3	Year Round	28	185	2029
22.3	172.6	Year Round	24	135	2030

Year	Peak Hourly Need (MW)																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	3.0	2.7	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	6.5	7.5	9.0	10.7	10.9	9.8	9.2	3.9	0.0	0.0	0.0	0.0	0.0	0.0
2027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	10.8	13.8	14.8	16.5	19.3	14.9	11.3	8.5	4.3	0.2	0.0	0.0	0.0	0.0
2028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.9	11.6	15.0	16.9	18.9	20.1	19.3	17.1	15.1	10.2	4.3	1.3	0.0	0.0	0.0
2029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	8.9	14.0	16.6	17.9	19.5	22.2	17.8	13.7	11.1	7.2	3.1	2.9	2.1	0.0	0.0
2030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.1	14.9	17.4	17.2	21.8	22.3	19.4	15.8	14.4	10.8	5.5	2.7	1.3	0.0	0.0

- An increase in the conductor size on the Santa Clara-Colonia 66kV subtransmission line is planned to relieve reliability, capacity, needs on the Santa Clara-Colonia 66kV subtransmission line. The needs on the Santa Clara-Colonia 66kV subtransmission line can be resolved by reducing load at the Colonia 66/16kV substation.