



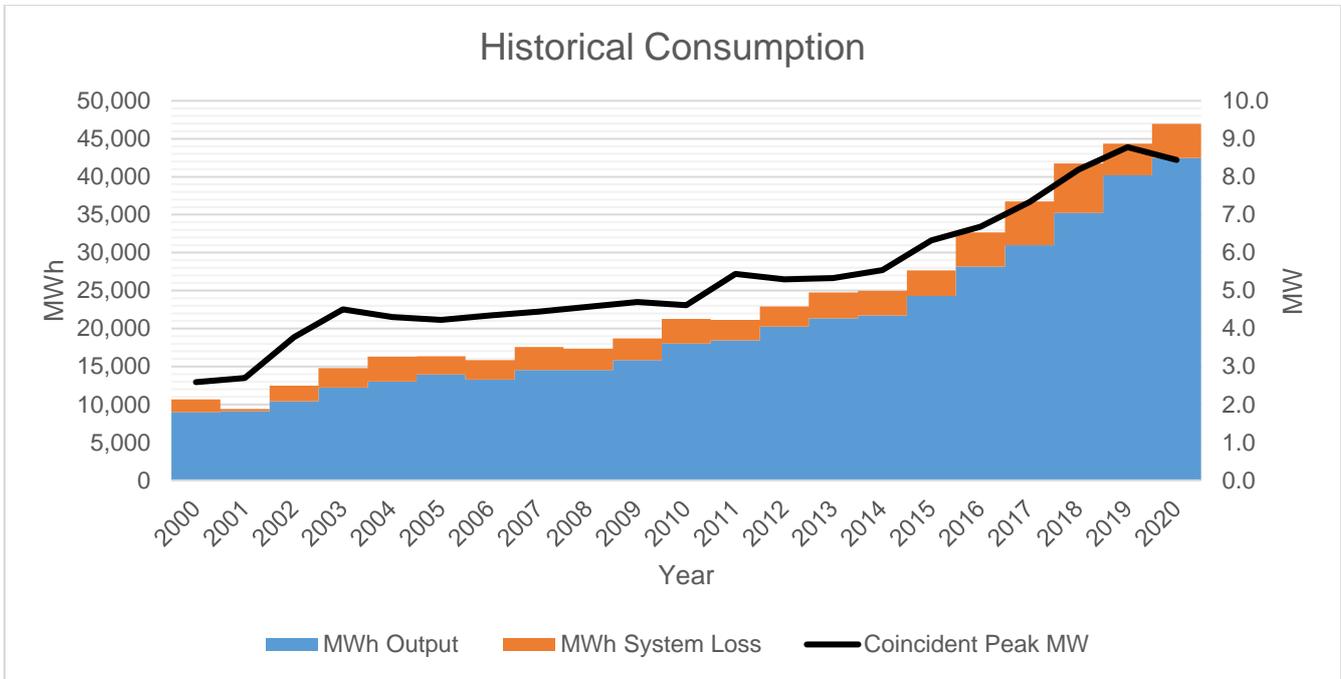
# **Power Supply Procurement Plan 2021**

**GUIMARAS ELECTRIC COOPERATIVE  
(GUIMELCO)**

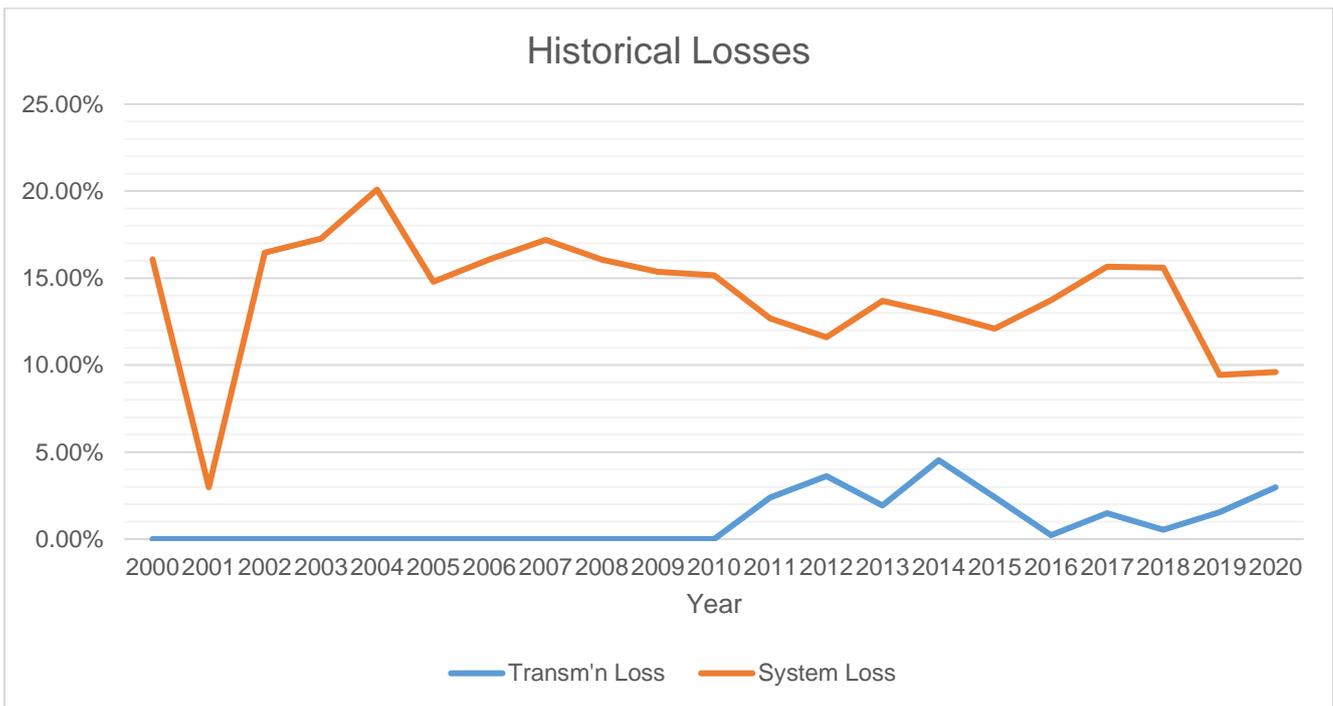
## Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	2.59	10,686	0	10,686	8,968	1,718	47%	0.00%	0.00%	16.07%
2001	2.70	9,386	0	9,386	9,107	279	40%	0.00%	0.00%	2.98%
2002	3.77	12,457	0	12,457	10,405	2,052	38%	0.00%	0.00%	16.47%
2003	4.51	14,783	0	14,783	12,229	2,554	37%	0.00%	0.00%	17.28%
2004	4.31	16,292	0	16,292	13,018	3,273	43%	0.00%	0.00%	20.09%
2005	4.23	16,362	0	16,362	13,942	2,420	44%	0.00%	0.00%	14.79%
2006	4.35	15,837	0	15,837	13,290	2,547	42%	0.00%	0.00%	16.08%
2007	4.44	17,573	0	17,573	14,551	3,022	45%	0.00%	0.00%	17.20%
2008	4.57	17,335	0	17,335	14,552	2,783	43%	0.00%	0.00%	16.05%
2009	4.70	18,718	0	18,718	15,842	2,877	45%	0.00%	0.00%	15.37%
2010	4.61	21,261	0	21,261	18,038	3,223	53%	0.00%	0.00%	15.16%
2011	5.44	21,649	511	21,130	18,449	2,681	44%	0.00%	2.39%	12.69%
2012	5.29	23,758	881	22,900	20,246	2,654	49%	0.00%	3.61%	11.59%
2013	5.33	25,236	370	24,751	21,361	3,390	53%	0.00%	1.92%	13.70%
2014	5.54	26,135	119	24,951	21,719	3,232	51%	0.00%	4.53%	12.95%
2015	6.32	28,338	-788	27,657	24,312	3,345	50%	0.00%	2.40%	12.09%
2016	6.69	32,740	446	32,666	28,182	4,485	56%	0.00%	0.23%	13.73%
2017	7.34	37,294	3,383	36,737	30,975	5,751	57%	-0.03%	1.49%	15.65%
2018	8.19	41,961	6,786	41,740	35,231	6,510	58%	0.00%	0.53%	15.60%
2019	8.78	45,057	2,596	44,362	40,178	4,184	58%	0.00%	1.54%	9.43%
2020	8.44	48,417	-2,584	46,976	42,466	4,510	64%	0.00%	2.98%	9.60%

Peak Demand decreased from 8.78 MW in 2019 to 8.44 MW in 2020 at a rate of 3.84% due to non-operation of some Commercial member-consumer-owner because of COVID-19 pandemic. MWh Offtake increased from 45,057 MWh in 2019 to 48,417 MWh in 2020 at a rate of 7.46% due to additional requirements from the Residential Member-Consumer-Owners because spend most of the time in their home because of COVID-19 pandemic. Within the same period, Load Factor ranged from 58% to 64%.

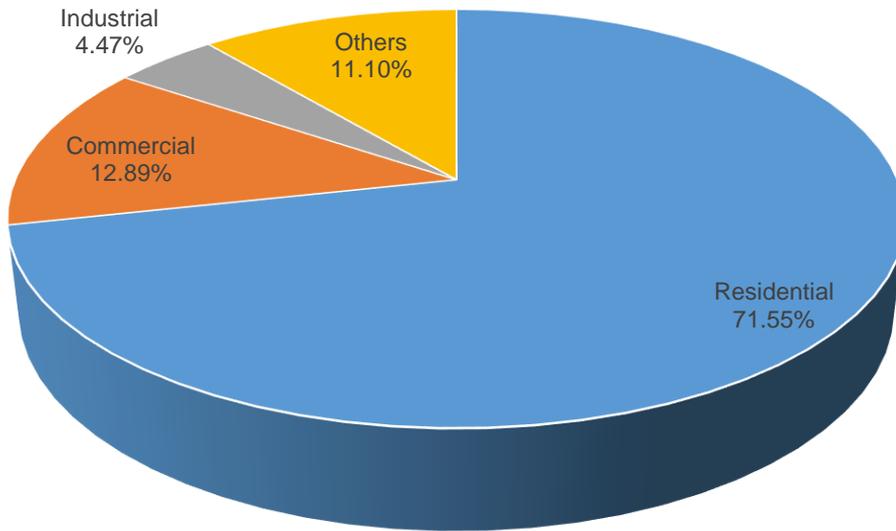


MWh Output increased from year 2019 to year 2020 at a rate of 5.69%, while MWh System Loss increased from 9.43% in 2019 to 9.60% in 2020.



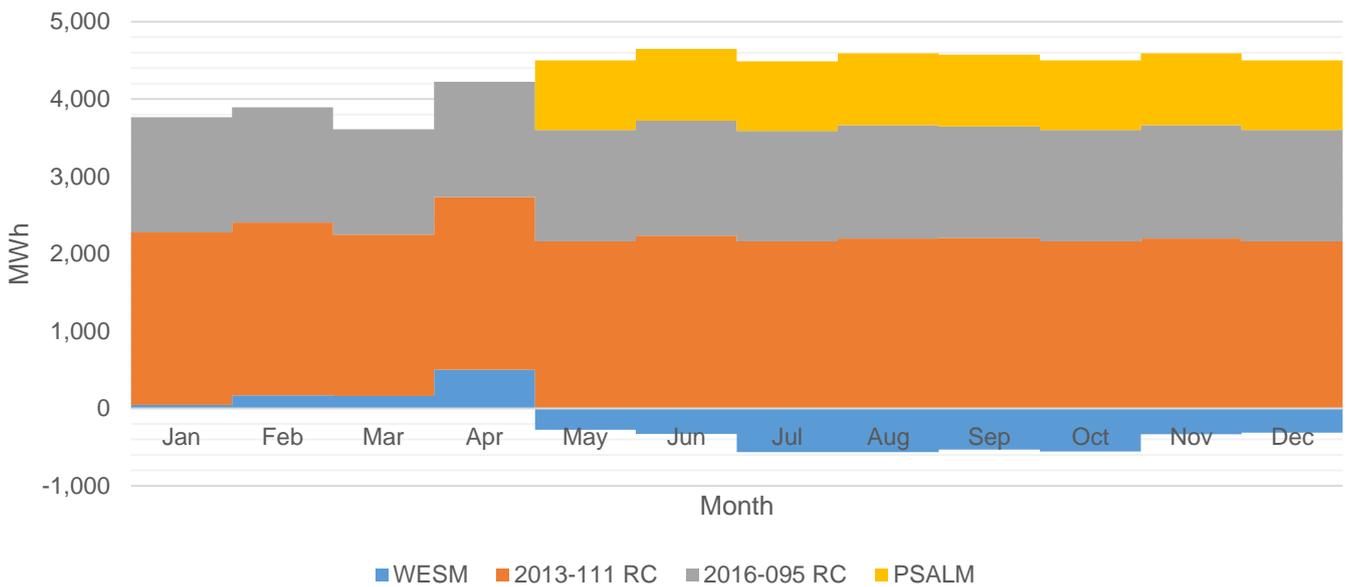
Historically, Transmission Loss ranged from 0.23% to 4.53% while System Loss ranged from 15.65% to 9.60%.

### Previous Year's Shares of Energy Sales

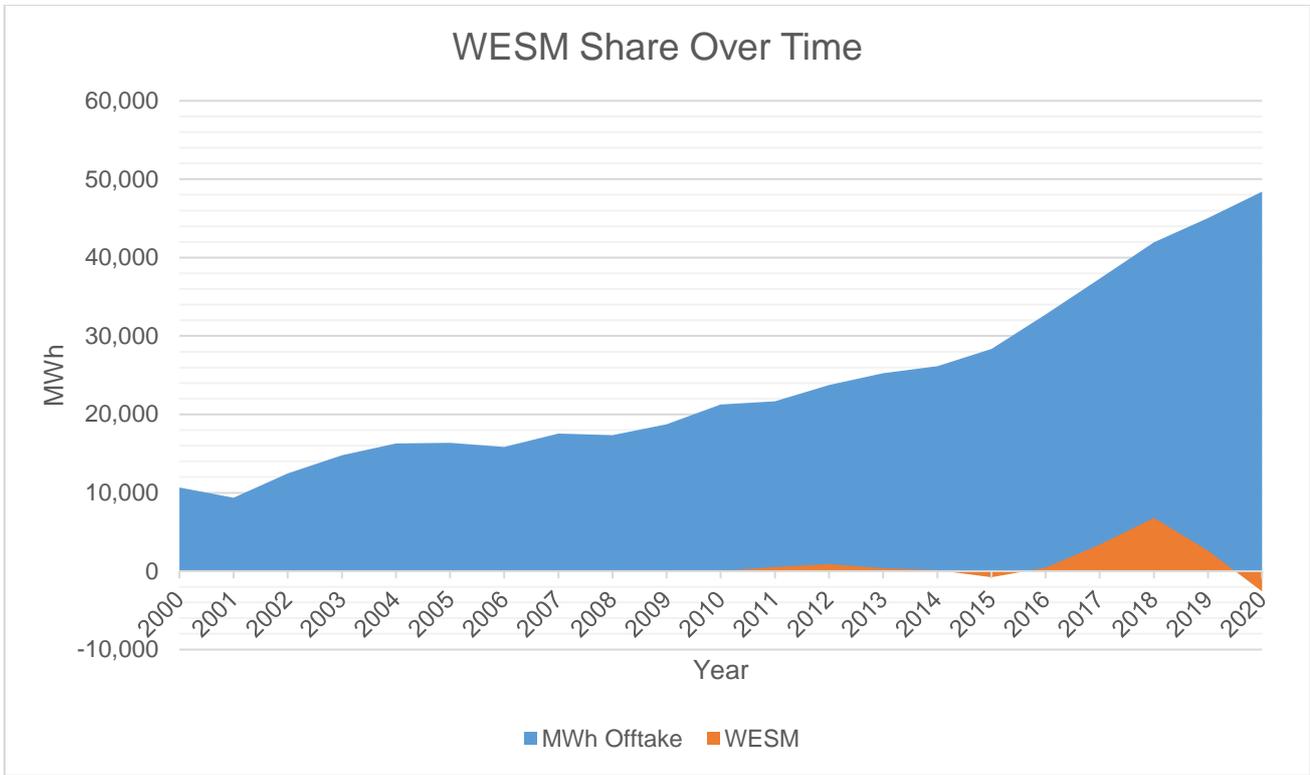


Residential customers account for the bulk of energy sales at 71.55% due to the high number of connections. In contrast, Industrial customers accounted for only 4.47% of energy sales due to the low number of connections.

### MWh Offtake for Last Historical Year

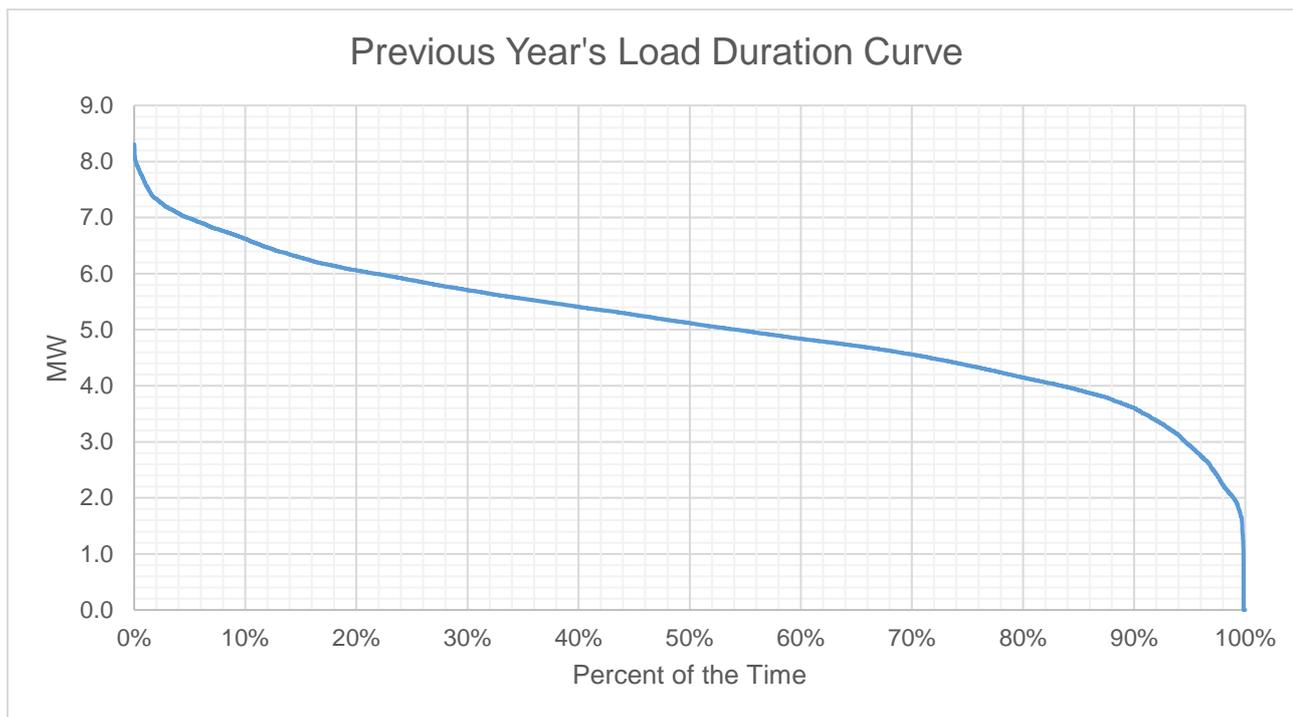


For 2013-111 RC and 2016-095 RC, the total Offtake for the last historical year is lower than the quantity stipulated in the PSA. The PSA with 2013-111 RC accounts for the bulk of MWh Offtake.

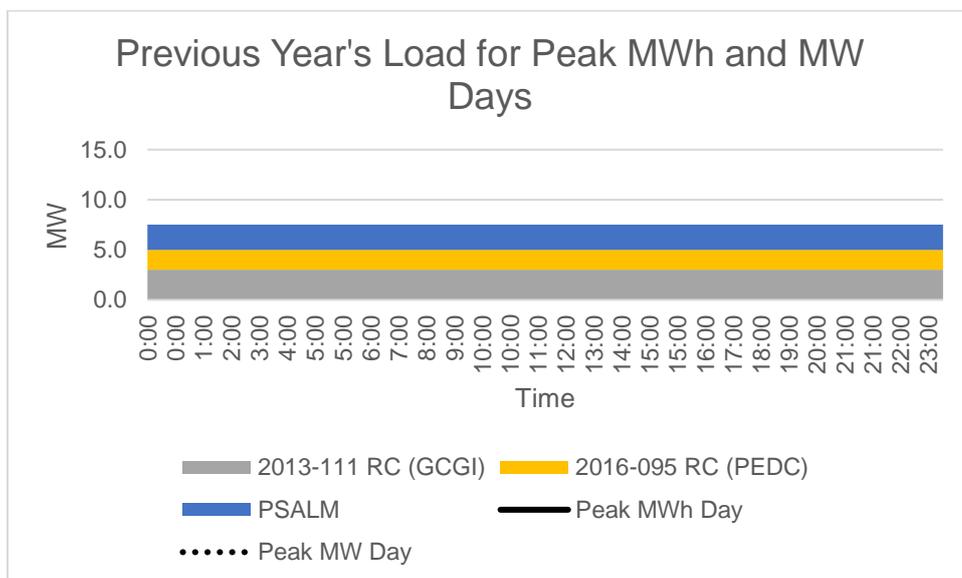


WESM Offtake decreased from 2,596 MWh in 2019 to -2,584 MWh in 2020 due to the contract with Power Sector Asset and Liabilities Management (PSALM). The share of WESM in the total Offtake ranged from 0.46 % to 16.17 %. The net WESM transaction is negative in the year 2020 because of additional capacity from PSALM.

# Previous Year's Load Profile

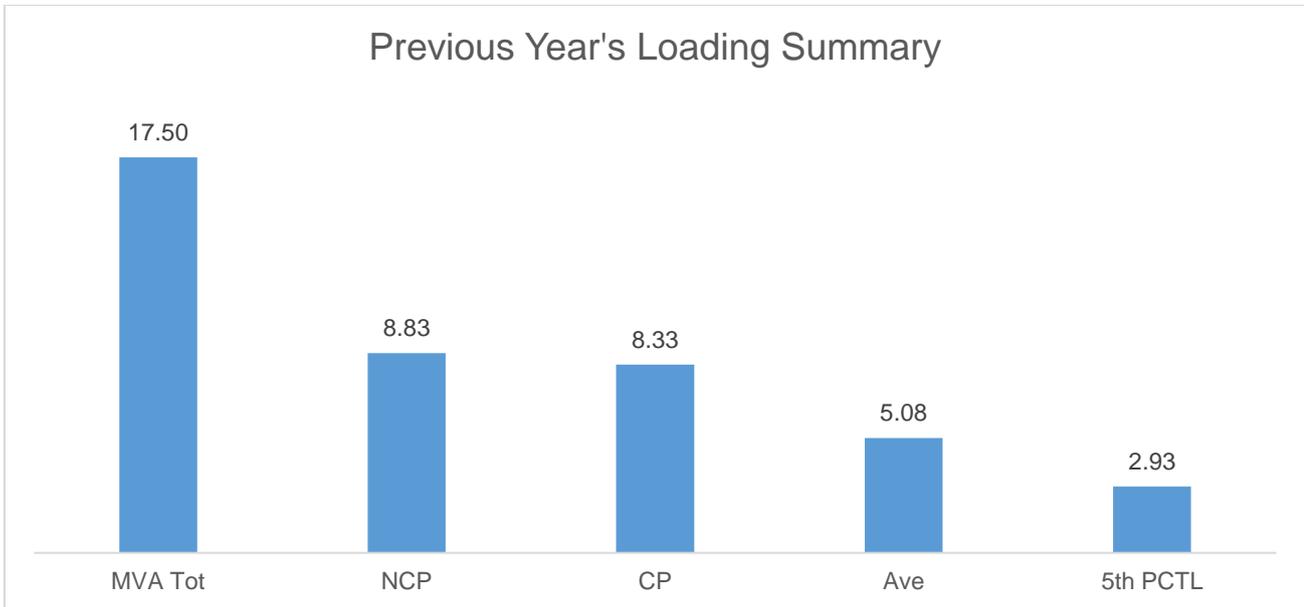


Based on the Load Duration Curve, the minimum load is 2.93 MW and the maximum load is 8.83 MW for the last historical year.



Peak MW occurred on December 31, 2020 around 8:00 PM due to New Year's Eve.

## Previous Year's Loading Summary



The Non-coincident Peak Demand is 8.83 MW, which is around 51 % of the total substation capacity of 17.5 MVA at a power factor of 98%. The load factor or the ratio between the Average Load of 5.08 MW and the Non-coincident Peak Demand is 57 %. A safe estimate of the true minimum load is the fifth percentile load of 2.93 MW which is 33 % of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
San Miguel	10	5.002
Zaldivar	7.5	3.831

No substation/s loaded at above 70%.

## Forecasted Consumption Data

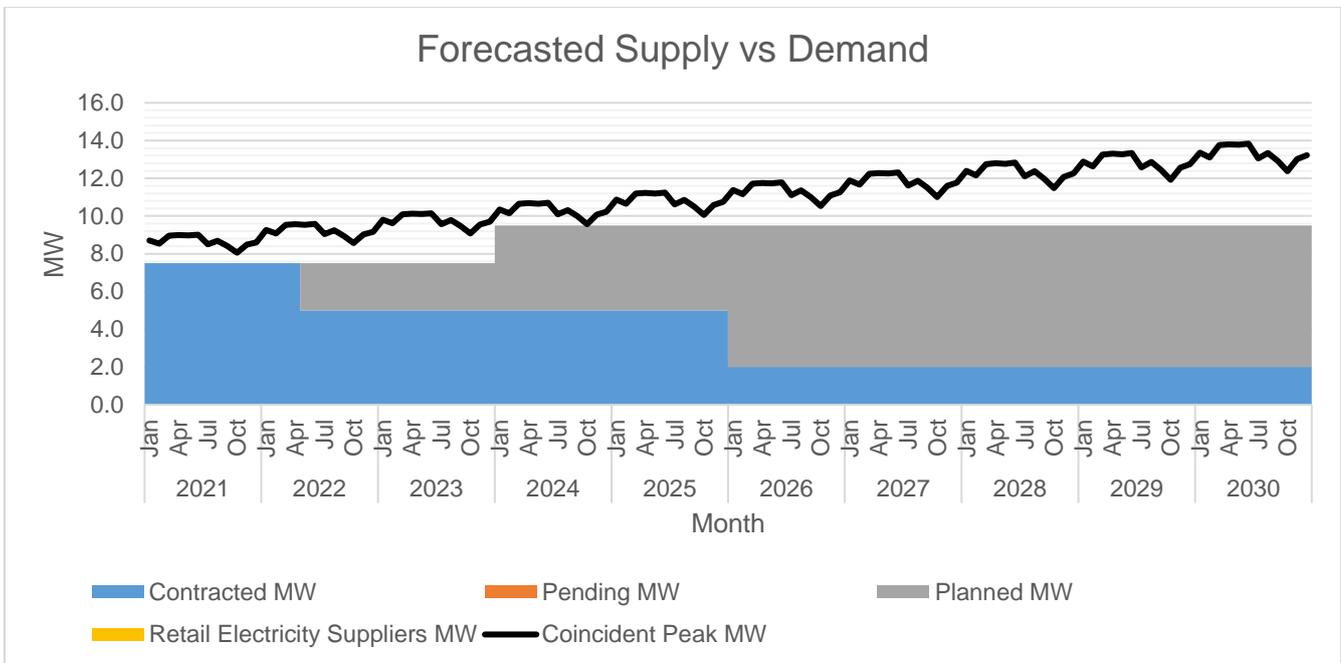
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2021	Jan	8.70	7.50	0.00	0.000		86%	86%	-1.20
	Feb	8.53	7.50	0.00	0.000		88%	88%	-1.03
	Mar	8.96	7.50	0.00	0.000		84%	84%	-1.46
	Apr	8.99	7.50	0.00	0.000		83%	83%	-1.49
	May	8.97	7.50	0.00	0.000		84%	84%	-1.47
	Jun	9.01	7.50	0.00	0.000		83%	83%	-1.51
	Jul	8.50	7.50	0.00	0.000		88%	88%	-1.00
	Aug	8.69	7.50	0.00	0.000		86%	86%	-1.19
	Sep	8.41	7.50	0.00	0.000		89%	89%	-0.91
	Oct	8.06	7.50	0.00	0.000		93%	93%	-0.56
	Nov	8.48	7.50	0.00	0.000		88%	88%	-0.98
	Dec	8.61	7.50	0.00	0.000		87%	87%	-1.11
2022	Jan	9.26	7.50	0.00	0.000		81%	81%	-1.76
	Feb	9.08	7.50	0.00	0.000		83%	83%	-1.58
	Mar	9.53	7.50	0.00	0.000		79%	79%	-2.03
	Apr	9.56	7.50	0.00	0.000		78%	78%	-2.06
	May	9.54	5.00	0.00	2.500		52%	79%	-2.04
	Jun	9.58	5.00	0.00	2.500		52%	78%	-2.08
	Jul	9.04	5.00	0.00	2.500		55%	83%	-1.54
	Aug	9.24	5.00	0.00	2.500		54%	81%	-1.74
	Sep	8.95	5.00	0.00	2.500		56%	84%	-1.45
	Oct	8.57	5.00	0.00	2.500		58%	88%	-1.07
	Nov	9.02	5.00	0.00	2.500		55%	83%	-1.52
	Dec	9.16	5.00	0.00	2.500		55%	82%	-1.66
2023	Jan	9.80	5.00	0.00	2.500		51%	77%	-2.30
	Feb	9.61	5.00	0.00	2.500		52%	78%	-2.11
	Mar	10.09	5.00	0.00	2.500		50%	74%	-2.59
	Apr	10.12	5.00	0.00	2.500		49%	74%	-2.62
	May	10.10	5.00	0.00	2.500		49%	74%	-2.60

	Jun	10.15	5.00	0.00	2.500		49%	74%	-2.65
	Jul	9.57	5.00	0.00	2.500		52%	78%	-2.07
	Aug	9.78	5.00	0.00	2.500		51%	77%	-2.28
	Sep	9.47	5.00	0.00	2.500		53%	79%	-1.97
	Oct	9.08	5.00	0.00	2.500		55%	83%	-1.58
	Nov	9.55	5.00	0.00	2.500		52%	79%	-2.05
	Dec	9.70	5.00	0.00	2.500		52%	77%	-2.20
2024	Jan	10.34	5.00	0.00	4.500		48%	92%	-0.84
	Feb	10.14	5.00	0.00	4.500		49%	94%	-0.64
	Mar	10.64	5.00	0.00	4.500		47%	89%	-1.14
	Apr	10.68	5.00	0.00	4.500		47%	89%	-1.18
	May	10.66	5.00	0.00	4.500		47%	89%	-1.16
	Jun	10.70	5.00	0.00	4.500		47%	89%	-1.20
	Jul	10.09	5.00	0.00	4.500		50%	94%	-0.59
	Aug	10.32	5.00	0.00	4.500		48%	92%	-0.82
	Sep	9.99	5.00	0.00	4.500		50%	95%	-0.49
	Oct	9.57	5.00	0.00	4.500		52%	99%	-0.07
	Nov	10.08	5.00	0.00	4.500		50%	94%	-0.58
	Dec	10.23	5.00	0.00	4.500		49%	93%	-0.73
2025	Jan	10.87	5.00	0.00	4.500		46%	87%	-1.37
	Feb	10.66	5.00	0.00	4.500		47%	89%	-1.16
	Mar	11.19	5.00	0.00	4.500		45%	85%	-1.69
	Apr	11.22	5.00	0.00	4.500		45%	85%	-1.72
	May	11.20	5.00	0.00	4.500		45%	85%	-1.70
	Jun	11.25	5.00	0.00	4.500		44%	84%	-1.75
	Jul	10.61	5.00	0.00	4.500		47%	90%	-1.11
	Aug	10.85	5.00	0.00	4.500		46%	88%	-1.35
	Sep	10.50	5.00	0.00	4.500		48%	90%	-1.00
	Oct	10.06	5.00	0.00	4.500		50%	94%	-0.56
	Nov	10.59	5.00	0.00	4.500		47%	90%	-1.09
	Dec	10.75	5.00	0.00	4.500		47%	88%	-1.25
2026	Jan	11.39	2.00	0.00	7.500		18%	83%	-1.89
	Feb	11.16	2.00	0.00	7.500		18%	85%	-1.66
	Mar	11.72	2.00	0.00	7.500		17%	81%	-2.22
	Apr	11.76	2.00	0.00	7.500		17%	81%	-2.26

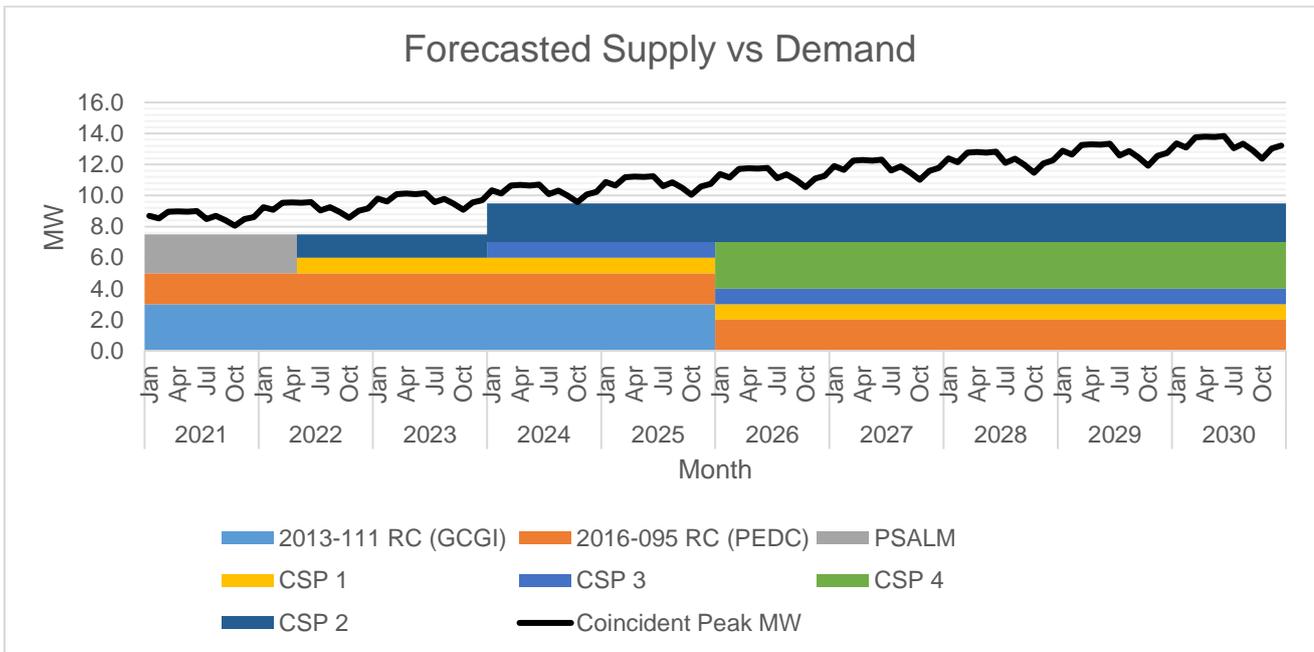
	May	11.73	2.00	0.00	7.500		17%	81%	-2.23
	Jun	11.79	2.00	0.00	7.500		17%	81%	-2.29
	Jul	11.12	2.00	0.00	7.500		18%	85%	-1.62
	Aug	11.36	2.00	0.00	7.500		18%	84%	-1.86
	Sep	11.00	2.00	0.00	7.500		18%	86%	-1.50
	Oct	10.54	2.00	0.00	7.500		19%	90%	-1.04
	Nov	11.09	2.00	0.00	7.500		18%	86%	-1.59
	Dec	11.27	2.00	0.00	7.500		18%	84%	-1.77
2027	Jan	11.89	2.00	0.00	7.500		17%	80%	-2.39
	Feb	11.66	2.00	0.00	7.500		17%	81%	-2.16
	Mar	12.24	2.00	0.00	7.500		16%	78%	-2.74
	Apr	12.28	2.00	0.00	7.500		16%	77%	-2.78
	May	12.26	2.00	0.00	7.500		16%	78%	-2.76
	Jun	12.31	2.00	0.00	7.500		16%	77%	-2.81
	Jul	11.61	2.00	0.00	7.500		17%	82%	-2.11
	Aug	11.87	2.00	0.00	7.500		17%	80%	-2.37
	Sep	11.49	2.00	0.00	7.500		17%	83%	-1.99
	Oct	11.01	2.00	0.00	7.500		18%	86%	-1.51
	Nov	11.59	2.00	0.00	7.500		17%	82%	-2.09
	Dec	11.77	2.00	0.00	7.500		17%	81%	-2.27
2028	Jan	12.39	2.00	0.00	7.500		16%	77%	-2.89
	Feb	12.15	2.00	0.00	7.500		16%	78%	-2.65
	Mar	12.76	2.00	0.00	7.500		16%	74%	-3.26
	Apr	12.80	2.00	0.00	7.500		16%	74%	-3.30
	May	12.77	2.00	0.00	7.500		16%	74%	-3.27
	Jun	12.83	2.00	0.00	7.500		16%	74%	-3.33
	Jul	12.10	2.00	0.00	7.500		17%	79%	-2.60
	Aug	12.37	2.00	0.00	7.500		16%	77%	-2.87
	Sep	11.98	2.00	0.00	7.500		17%	79%	-2.48
	Oct	11.47	2.00	0.00	7.500		17%	83%	-1.97
	Nov	12.08	2.00	0.00	7.500		17%	79%	-2.58
	Dec	12.26	2.00	0.00	7.500		16%	77%	-2.76
2029	Jan	12.88	2.00	0.00	7.500		16%	74%	-3.38
	Feb	12.63	2.00	0.00	7.500		16%	75%	-3.13
	Mar	13.26	2.00	0.00	7.500		15%	72%	-3.76

	Apr	13.31	2.00	0.00	7.500		15%	71%	-3.81
	May	13.28	2.00	0.00	7.500		15%	72%	-3.78
	Jun	13.34	2.00	0.00	7.500		15%	71%	-3.84
	Jul	12.58	2.00	0.00	7.500		16%	76%	-3.08
	Aug	12.86	2.00	0.00	7.500		16%	74%	-3.36
	Sep	12.45	2.00	0.00	7.500		16%	76%	-2.95
	Oct	11.93	2.00	0.00	7.500		17%	80%	-2.43
	Nov	12.55	2.00	0.00	7.500		16%	76%	-3.05
	Dec	12.75	2.00	0.00	7.500		16%	75%	-3.25
2030	Jan	13.36	2.00	0.00	7.500		15%	71%	-3.86
	Feb	13.11	2.00	0.00	7.500		15%	72%	-3.61
	Mar	13.76	2.00	0.00	7.500		15%	69%	-4.26
	Apr	13.80	2.00	0.00	7.500		14%	69%	-4.30
	May	13.77	2.00	0.00	7.500		15%	69%	-4.27
	Jun	13.84	2.00	0.00	7.500		14%	69%	-4.34
	Jul	13.05	2.00	0.00	7.500		15%	73%	-3.55
	Aug	13.34	2.00	0.00	7.500		15%	71%	-3.84
	Sep	12.92	2.00	0.00	7.500		15%	74%	-3.42
	Oct	12.37	2.00	0.00	7.500		16%	77%	-2.87
	Nov	13.02	2.00	0.00	7.500		15%	73%	-3.52
	Dec	13.22	2.00	0.00	7.500		15%	72%	-3.72

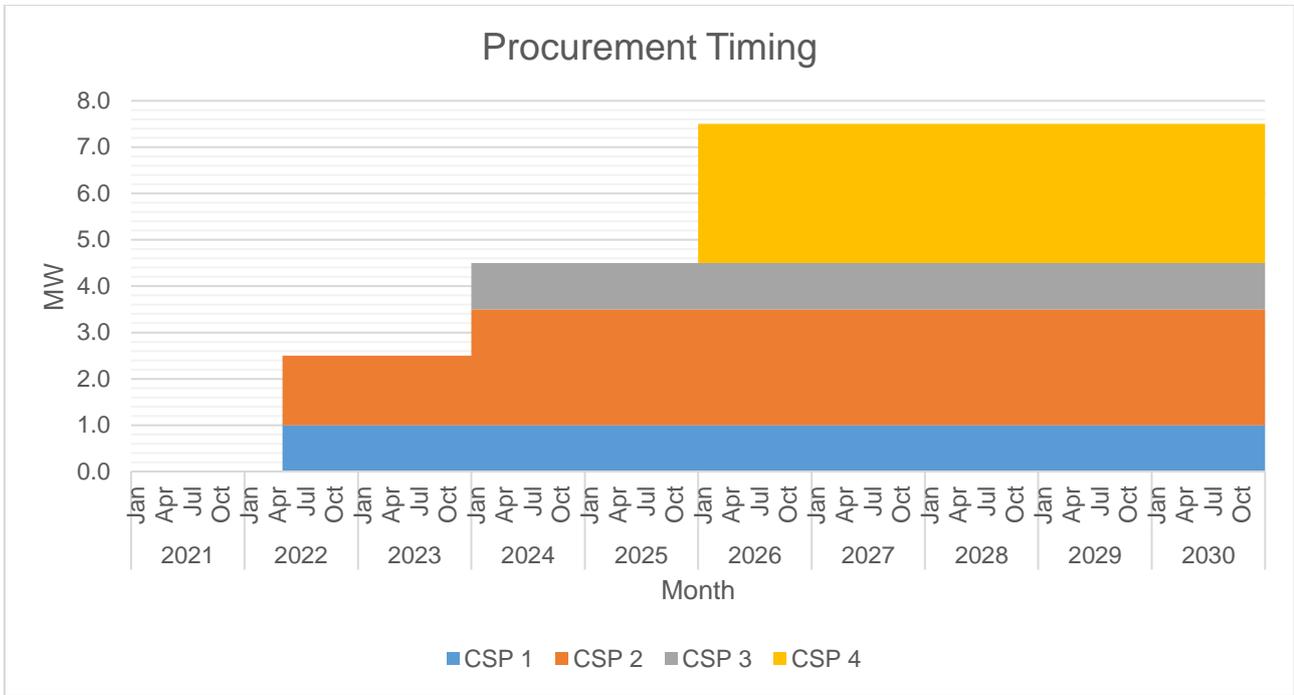
The Peak Demand was forecasted using 2020 historical data and was assumed to occur on the month of April due to summer season and Guimaras Manggahan festival. Monthly Peak Demand is at its lowest on the month of February due to cold weather. In general, Peak Demand is expected to grow at a rate of 4.45 % annually.



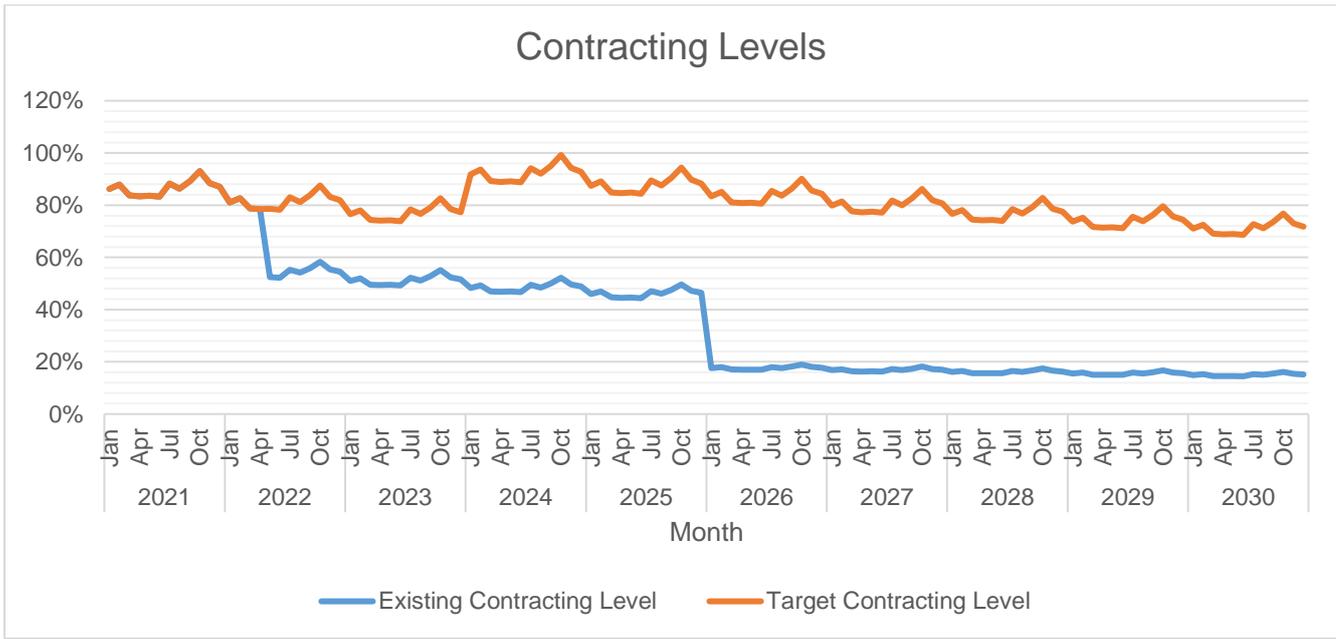
The available supply is generally below the Peak Demand.



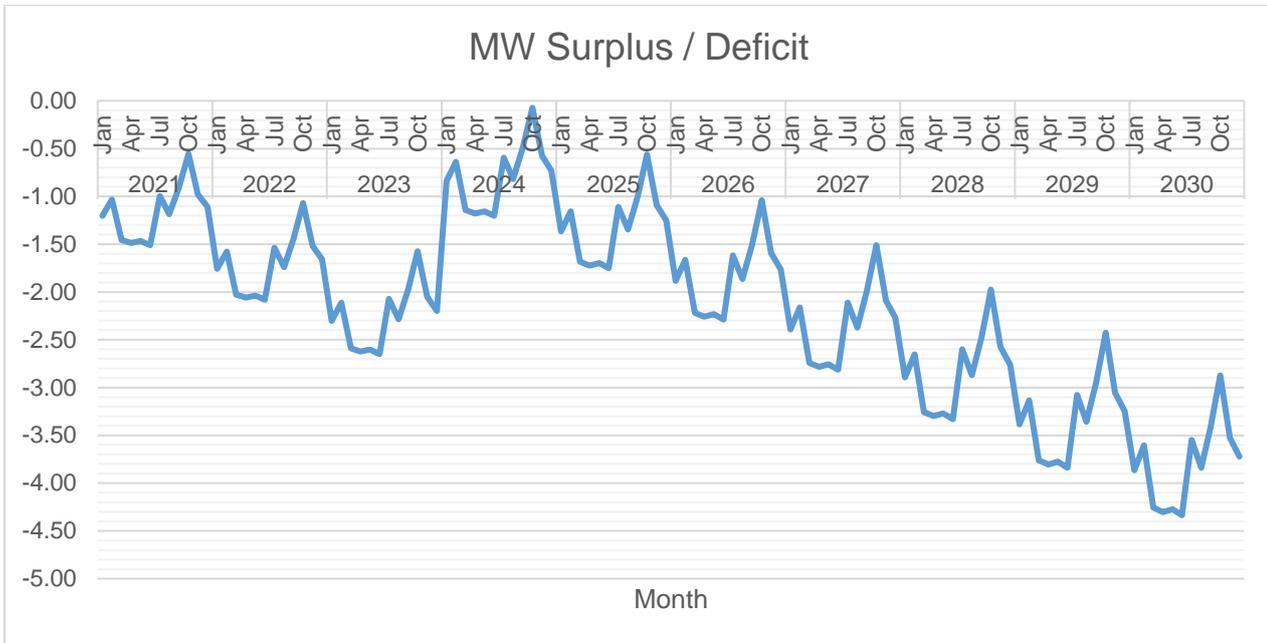
Of the available supply, the largest is 3 MW from 2013-111 RC. This is followed by 2 MW from 2016-095 RC and 2.5 MW from PSALM.



The first wave of supply procurement will be for 2.5 MW planned to be available by the month of April 26, 2022. This will be followed by 2 MW and 3 MW for the month of January 26, 2024 and January 26, 2026 respectively.



Currently, there is under-contracting by 11.16% relative to peak demand.



Currently, there is under-contacting by 0.942 MW relative to peak demand. The highest deficit is 4.34 MW which is expected to occur on the month of June 2030. The lowest deficit is 0.07 MW which is expected to occur on the month of October 2024.

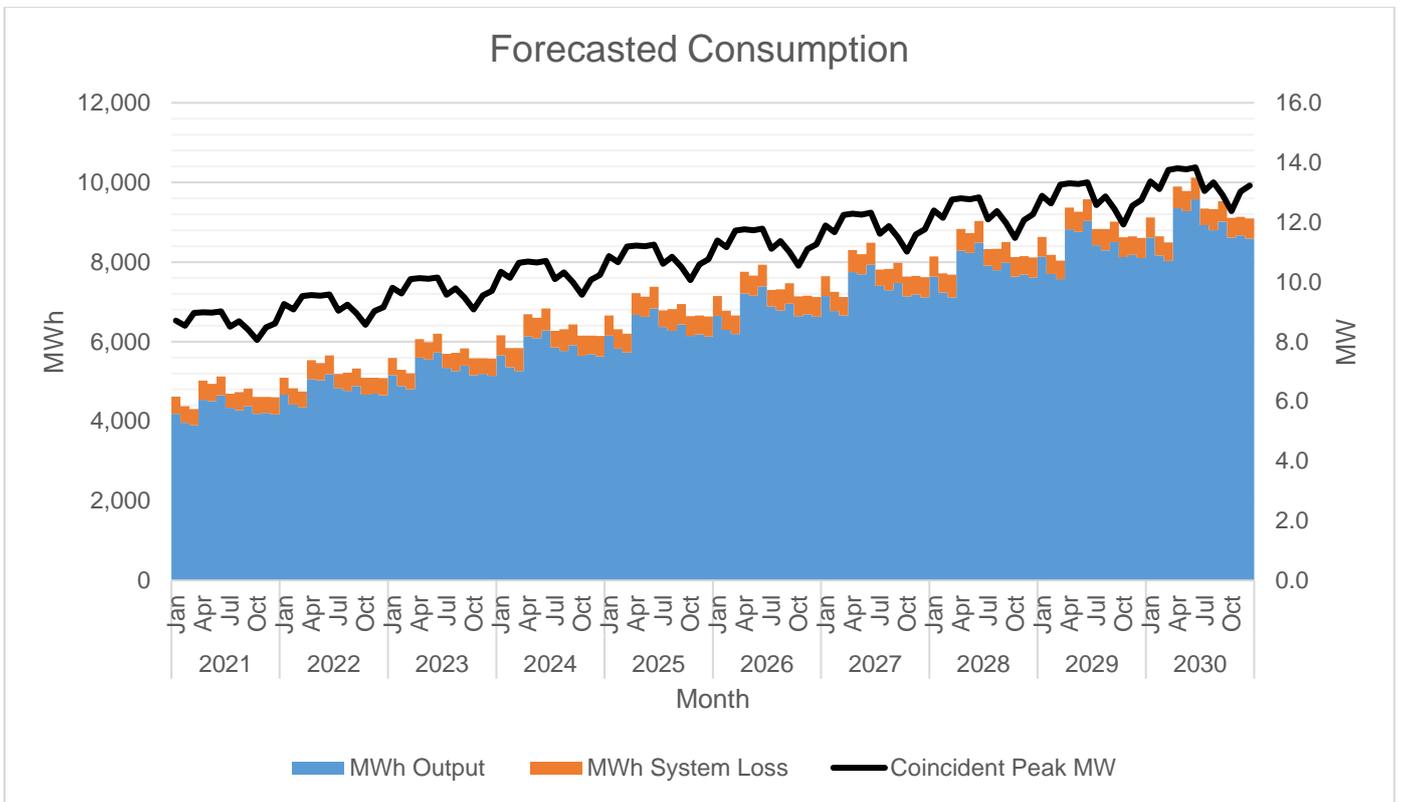
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2021	Jan	4,608	4,185	437	-0.30%	9.45%
	Feb	4,352	3,965	415	-0.63%	9.47%
	Mar	4,301	3,898	407	-0.11%	9.46%
	Apr	5,026	4,541	476	0.18%	9.49%
	May	4,959	4,507	435	0.33%	8.81%
	Jun	5,138	4,649	472	0.34%	9.21%
	Jul	4,691	4,336	354	0.03%	7.55%
	Aug	4,728	4,272	461	-0.10%	9.73%
	Sep	4,820	4,378	441	0.01%	9.16%
	Oct	4,607	4,184	425	-0.06%	9.23%
	Nov	4,597	4,211	398	-0.26%	8.64%
	Dec	4,601	4,171	434	-0.07%	9.42%
2022	Jan	5,112	4,666	430	0.32%	8.43%
	Feb	4,830	4,421	409	0.02%	8.46%
	Mar	4,770	4,346	401	0.48%	8.44%
	Apr	5,572	5,063	468	0.74%	8.47%
	May	5,505	5,025	437	0.79%	8.00%
	Jun	5,702	5,183	473	0.80%	8.37%
	Jul	5,217	4,833	356	0.53%	6.86%
	Aug	5,245	4,762	462	0.40%	8.85%
	Sep	5,351	4,881	443	0.50%	8.32%
	Oct	5,114	4,665	427	0.44%	8.38%
	Nov	5,108	4,694	400	0.26%	7.86%
	Dec	5,107	4,650	435	0.43%	8.56%
2023	Jan	5,629	5,156	431	0.74%	7.71%
	Feb	5,321	4,885	411	0.47%	7.76%
	Mar	5,251	4,802	402	0.89%	7.72%

	Apr	6,134	5,594	470	1.13%	7.75%
	May	6,060	5,552	434	1.22%	7.25%
	Jun	6,275	5,727	471	1.23%	7.59%
	Jul	5,752	5,341	354	0.99%	6.22%
	Aug	5,771	5,262	459	0.86%	8.03%
	Sep	5,890	5,394	440	0.95%	7.54%
	Oct	5,629	5,154	424	0.89%	7.60%
	Nov	5,627	5,187	398	0.74%	7.13%
	Dec	5,620	5,138	432	0.89%	7.76%
2024	Jan	6,182	5,651	508	0.37%	8.25%
	Feb	5,844	5,354	485	0.08%	8.31%
	Mar	5,829	5,263	573	-0.14%	9.82%
	Apr	6,739	6,131	555	0.79%	8.30%
	May	6,656	6,085	512	0.88%	7.76%
	Jun	6,894	6,277	555	0.89%	8.12%
	Jul	6,311	5,854	418	0.63%	6.66%
	Aug	6,341	5,767	542	0.50%	8.59%
	Sep	6,469	5,911	519	0.59%	8.07%
	Oct	6,182	5,649	500	0.53%	8.13%
	Nov	6,178	5,685	470	0.37%	7.64%
	Dec	6,173	5,631	510	0.53%	8.30%
2025	Jan	6,704	6,148	505	0.77%	7.58%
	Feb	6,340	5,825	483	0.50%	7.66%
	Mar	6,255	5,727	471	0.92%	7.60%
	Apr	7,306	6,671	551	1.15%	7.63%
	May	7,219	6,621	508	1.24%	7.13%
	Jun	7,474	6,830	551	1.25%	7.47%
	Jul	6,854	6,369	416	1.01%	6.13%
	Aug	6,874	6,275	538	0.88%	7.90%
	Sep	7,015	6,432	515	0.97%	7.42%
	Oct	6,705	6,147	497	0.92%	7.47%
	Nov	6,705	6,185	468	0.77%	7.04%
	Dec	6,694	6,127	506	0.91%	7.63%
2026	Jan	7,227	6,646	501	1.11%	7.01%
	Feb	6,835	6,297	479	0.86%	7.07%
	Mar	6,742	6,190	467	1.24%	7.02%
	Apr	7,874	7,211	547	1.46%	7.06%
	May	7,782	7,157	505	1.54%	6.59%
	Jun	8,055	7,383	548	1.55%	6.91%
	Jul	7,396	6,885	412	1.34%	5.65%
	Aug	7,407	6,783	535	1.21%	7.31%
	Sep	7,562	6,953	512	1.30%	6.85%
	Oct	7,227	6,644	493	1.25%	6.91%
	Nov	7,231	6,686	464	1.11%	6.50%
	Dec	7,215	6,623	503	1.24%	7.06%
2027	Jan	7,752	7,143	501	1.40%	6.55%
	Feb	7,333	6,767	479	1.17%	6.61%
	Mar	7,231	6,653	467	1.53%	6.56%
	Apr	8,444	7,750	547	1.73%	6.60%
	May	8,348	7,692	505	1.81%	6.16%
	Jun	8,639	7,935	548	1.81%	6.46%

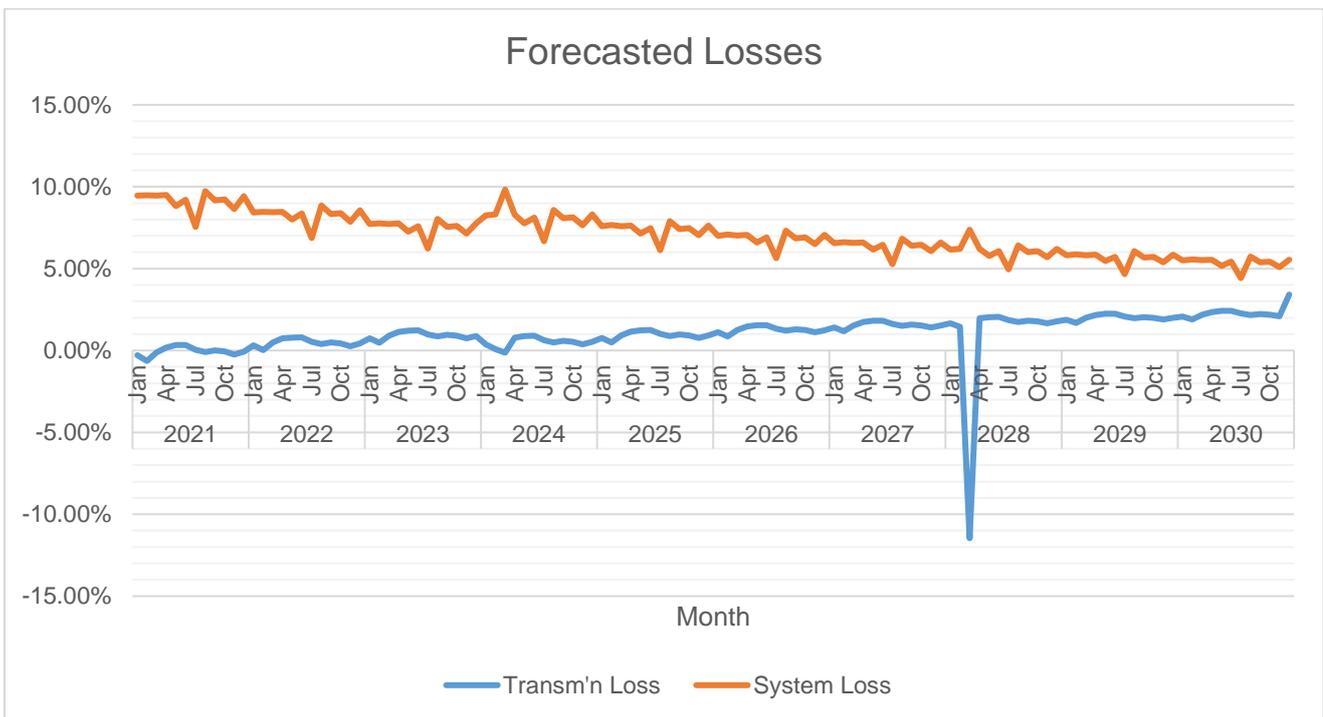
	Jul	7,940	7,399	412	1.62%	5.28%
	Aug	7,944	7,290	535	1.50%	6.83%
	Sep	8,112	7,472	512	1.58%	6.41%
	Oct	7,753	7,141	493	1.53%	6.46%
	Nov	7,759	7,186	464	1.40%	6.07%
	Dec	7,739	7,118	503	1.52%	6.60%
2028	Jan	8,276	7,638	501	1.66%	6.15%
	Feb	7,828	7,236	479	1.44%	6.21%
	Mar	6,890	7,114	566	-11.47%	7.37%
	Apr	9,011	8,287	547	1.97%	6.20%
	May	8,911	8,225	505	2.04%	5.78%
	Jun	9,220	8,484	548	2.04%	6.06%
	Jul	8,482	7,912	412	1.86%	4.95%
	Aug	8,478	7,795	535	1.75%	6.42%
	Sep	8,659	7,990	512	1.82%	6.02%
	Oct	8,276	7,636	493	1.78%	6.06%
	Nov	8,285	7,684	464	1.66%	5.70%
	Dec	8,260	7,611	503	1.77%	6.20%
2029	Jan	8,796	8,129	501	1.88%	5.81%
	Feb	8,322	7,702	480	1.68%	5.86%
	Mar	8,203	7,572	468	1.99%	5.82%
	Apr	9,576	8,820	548	2.17%	5.85%
	May	9,472	8,754	505	2.24%	5.46%
	Jun	9,799	9,030	548	2.24%	5.72%
	Jul	9,021	8,421	413	2.08%	4.67%
	Aug	9,009	8,297	535	1.97%	6.06%
	Sep	9,204	8,504	512	2.04%	5.68%
	Oct	8,796	8,127	493	2.00%	5.72%
	Nov	8,809	8,178	465	1.89%	5.38%
	Dec	8,779	8,101	503	1.99%	5.85%
2030	Jan	9,313	8,618	502	2.08%	5.50%
	Feb	8,811	8,165	480	1.89%	5.56%
	Mar	8,685	8,027	468	2.18%	5.51%
	Apr	10,137	9,350	548	2.35%	5.54%
	May	10,029	9,280	506	2.42%	5.17%
	Jun	10,373	9,573	549	2.42%	5.42%
	Jul	9,557	8,927	413	2.27%	4.42%
	Aug	9,537	8,795	536	2.16%	5.74%
	Sep	9,745	9,015	513	2.23%	5.38%
	Oct	9,313	8,615	494	2.19%	5.42%
	Nov	9,329	8,670	465	2.08%	5.09%
	Dec	9,413	8,588	504	3.41%	5.54%

MWh Offtake was forecasted using 2020 historical data. The assumed load factor is 68.54%.

System Loss was calculated through a Load Flow Study conducted using DSAS software. Based on the same study, the Distribution System can adequately convey electricity to customers.



MWh Output was expected to grow at a rate of 8.13% annually.



Transmission Loss is expected to range from 0.01% to 3.41% while System Loss is expected to range from 4.42% to 9.82%.

## Power Supply

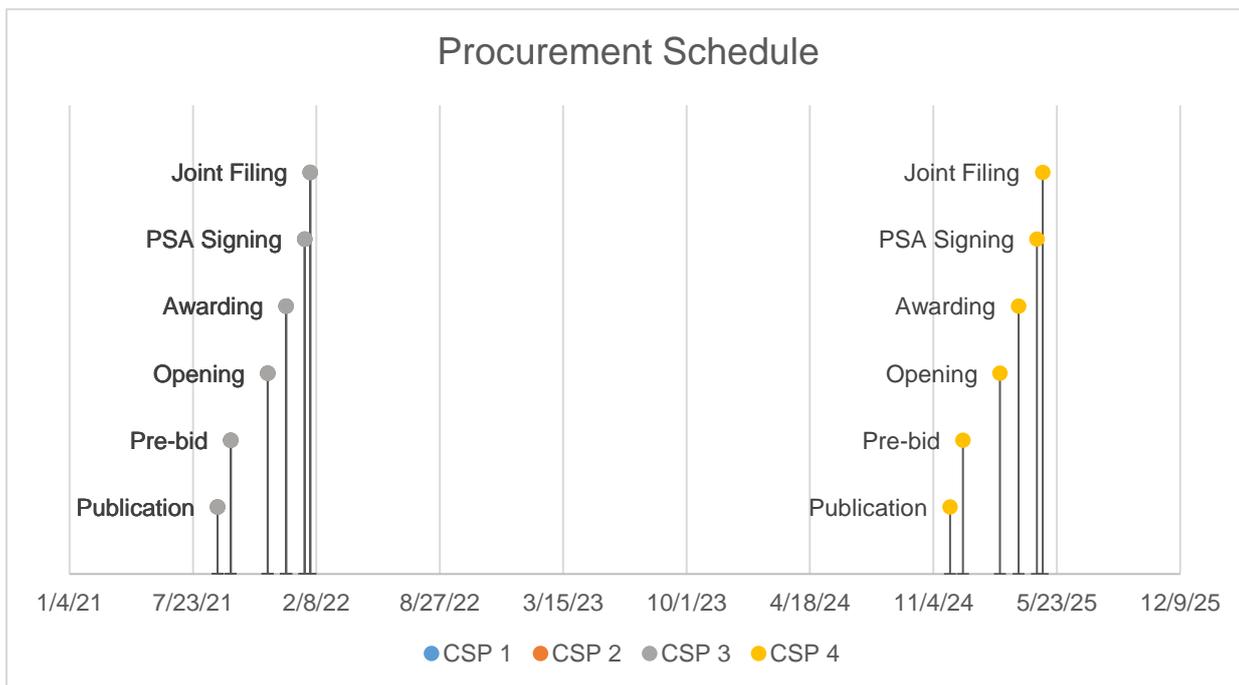
Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2013-111 RC	Base	Green Core Geothermal, Inc.	3.00	26,280	12/26/2012	12/25/2025
2016-095 RC	Base	Panay Energy Development Corporation	2.00	17,520	2/26/2017	2/25/2042
PSALM	Base	Power Sector Assets and Liabilities Management Corporation	2.50	10,950	4/26/2020	4/25/2022

The PSA with Green Core Geothermal filed with ERC under Case No. 2013-111 RC was procured through negotiation from NPC expired contract since they are the one bought the NPC power plant. It was selected to provide for base requirements.

The PSA with Panay Energy Development Corporation filed with ERC under Case No. 2016-095 RC was procured through Panay-Guimaras Power Supply Consortium. It was selected to provide for base requirements.

The PSA with PSALM was procured through direct negotiation because as per CSP rule it is exempted. It was selected to provide for base requirements.

	CSP 1	CSP 2	CSP 3	CSP 4
Type	Base	Peaking	Base	Base
Minimum MW	1.00	1.50	1.00	3.00
Minimum MWh/yr	8,760	2,190	8,760	26,280
PSA Start	4/26/2022	4/26/2022	12/26/2023	12/26/2025
PSA End	4/25/2031	4/25/2031	12/25/2033	12/25/2034
Publication	9/1/2021	9/1/2021	9/1/2021	12/1/2024
Pre-bid	9/22/2021	9/22/2021	9/22/2021	12/22/2024
Opening	11/21/2021	11/21/2021	11/21/2021	2/20/2025
Awarding	12/21/2021	12/21/2021	12/21/2021	3/22/2025
PSA Signing	1/20/2022	1/20/2022	1/20/2022	4/21/2025
Joint Filing	1/29/2022	1/29/2022	1/29/2022	4/30/2025



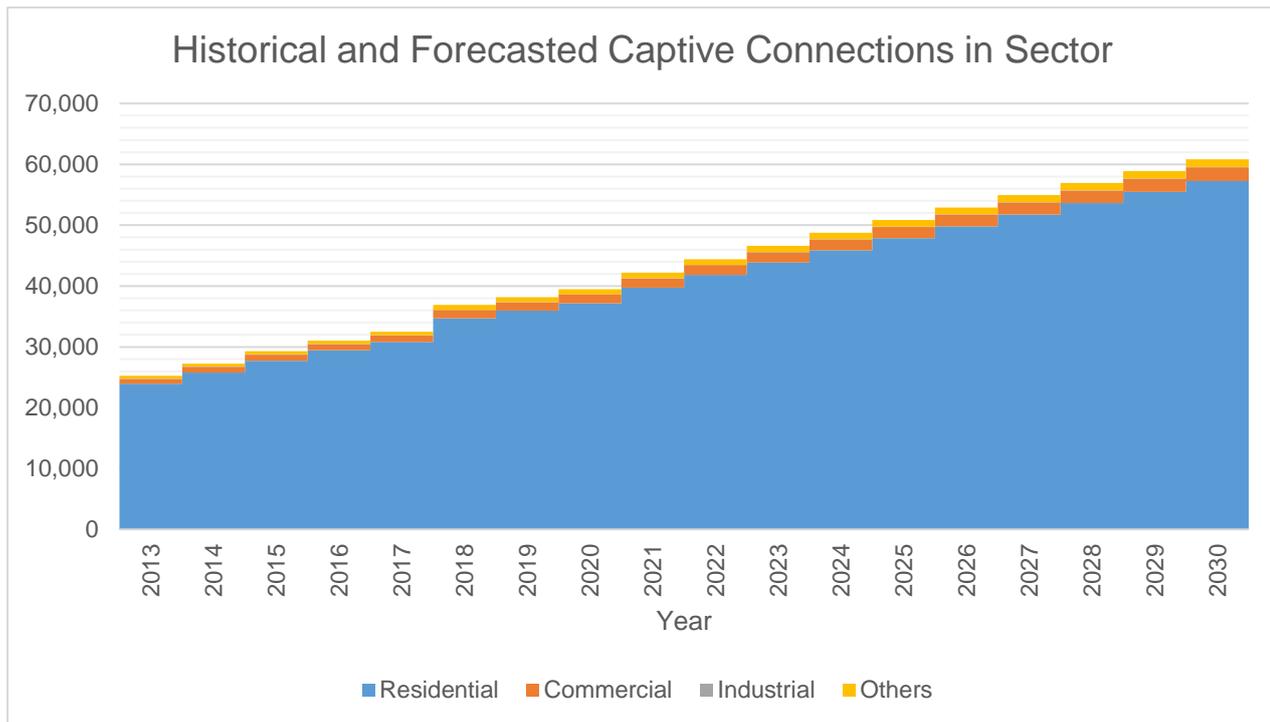
For the procurement of 1.0 MW for CSP 1 which is planned to be available on April 26, 2022, the first publication or launch of CSP will be on September 1, 2021. Joint filing is planned on January 29, 2022, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of CSP 2, 1.5 MW is planned to be available on April 26, 2022, and an additional 1 MW is planned to be available on December 26, 2023, for a total of 2.5 MW, the first publication or launch of CSP will be on September 1, 2021. Joint filing is planned for January 29, 2022, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 1.0 MW for CSP 3 which is planned to be available on December 26, 2025, the first publication or launch of CSP will be on September 1, 2021. Joint filing is planned on January 29, 2022, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of CSP4 that is accounted for 3.0 MW of supply which is planned to be available on December 26, 2025, the first publication or launch of CSP will be on December 1, 2024. Joint filing is planned on April 31, 2025, or 150 days later, in accordance with DOE's 2018 CSP Policy.

# Captive Customer Connections



The number of Residential connections is expected to grow at a rate of 3.90 % annually. Said customer class is expected to account for 94.14 % of the total consumption.