

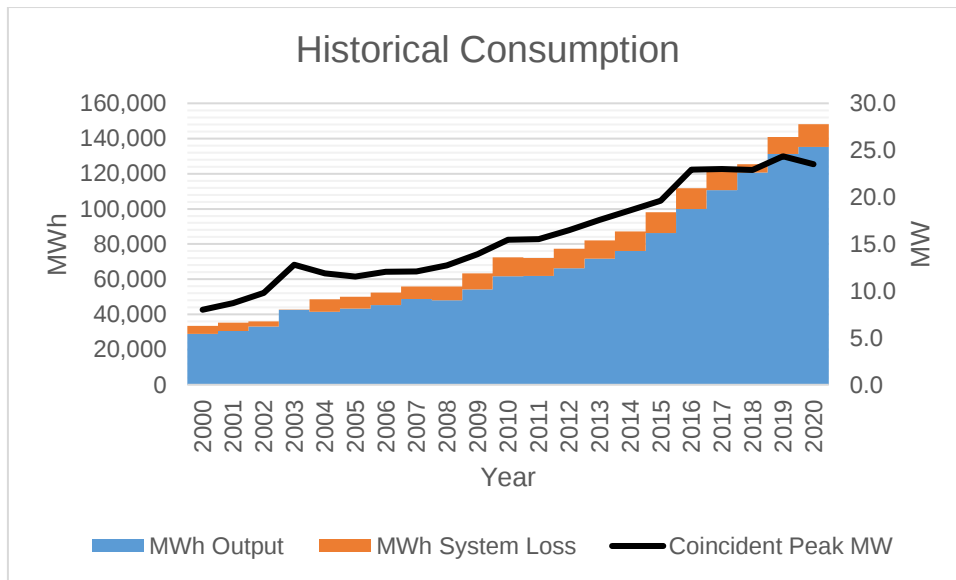
Power Supply Procurement Plan 2021

ANTIQUE ELECTRIC COOPERATIVE, INC.

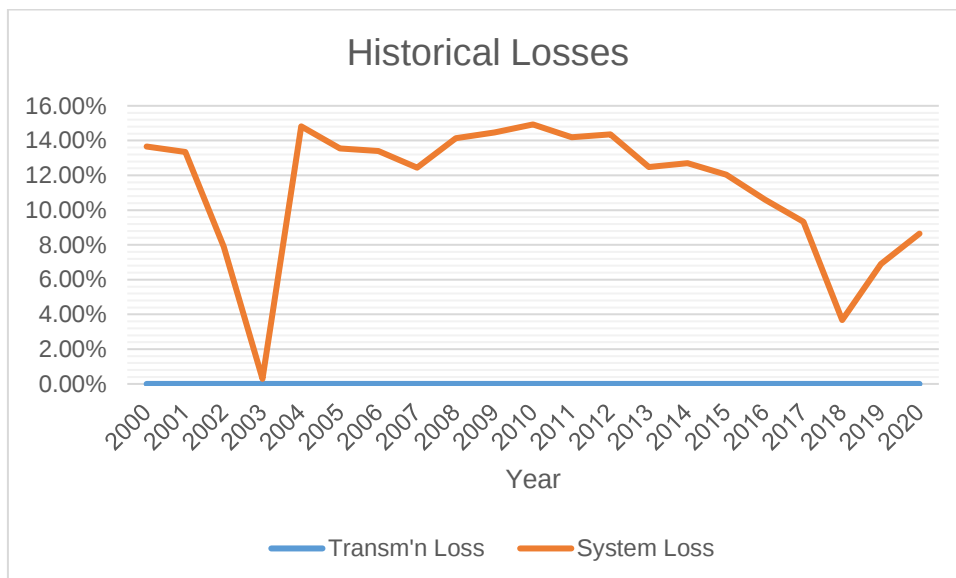
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	8.00	33,474	0	33,474	28,902	4,572	48%	0.00%	0.00%	13.66%
2001	8.69	35,377	0	35,377	30,657	4,720	46%	0.00%	0.00%	13.34%
2002	9.80	36,013	0	36,013	33,168	2,845	42%	0.00%	0.00%	7.90%
2003	12.79	42,699	0	42,699	42,574	125	38%	0.00%	0.00%	0.29%
2004	11.87	48,671	0	48,671	41,459	7,211	47%	0.00%	0.00%	14.82%
2005	11.53	50,069	0	50,069	43,288	6,780	50%	0.00%	0.00%	13.54%
2006	12.04	52,356	0	52,356	45,339	7,017	50%	0.00%	0.00%	13.40%
2007	12.08	55,785	0	55,785	48,848	6,937	53%	0.00%	0.00%	12.43%
2008	12.74	55,918	0	55,918	48,009	7,909	50%	0.00%	0.00%	14.14%
2009	13.92	63,383	0	63,383	54,215	9,168	52%	0.00%	0.00%	14.46%
2010	15.46	72,468	0	72,468	61,650	10,819	54%	0.00%	0.00%	14.93%
2011	15.52	72,145	9,992	72,145	61,911	10,235	53%	0.00%	0.00%	14.19%
2012	16.49	77,350	10,712	77,350	66,245	11,104	54%	0.00%	0.00%	14.36%
2013	17.58	82,027	4,722	82,027	71,790	10,238	53%	0.00%	0.00%	12.48%
2014	18.61	87,213	3,821	87,213	76,139	11,074	53%	0.00%	0.00%	12.70%
2015	19.61	98,039	7,193	98,039	86,229	11,809	57%	0.00%	0.00%	12.05%
2016	22.94	111,789	13,591	111,789	99,943	11,847	56%	0.00%	0.00%	10.60%
2017	22.99	122,001	21,584	122,001	110,626	11,376	61%	0.00%	0.00%	9.32%
2018	22.91	125,333	22,303	125,333	120,723	4,610	62%	0.00%	0.00%	3.68%
2019	24.36	140,903	23,985	140,903	131,174	9,729	66%	0.00%	0.00%	6.90%
2020	23.50	148,117	22,857	148,117	135,297	12,820	72%	0.00%	0.00%	8.66%

Peak Demand decreased] from 24.36 MW in 2019 to 23.5 MW in 2020 at a rate of 3.5% due to Covid-19 pandemic. MWh Offtake increased from 140,903 MWh in 2019 to 148,117 MWh in 2020 at a rate of 5.1% due to load growth. Within the same period, Load Factor ranged from 66% to 72%.

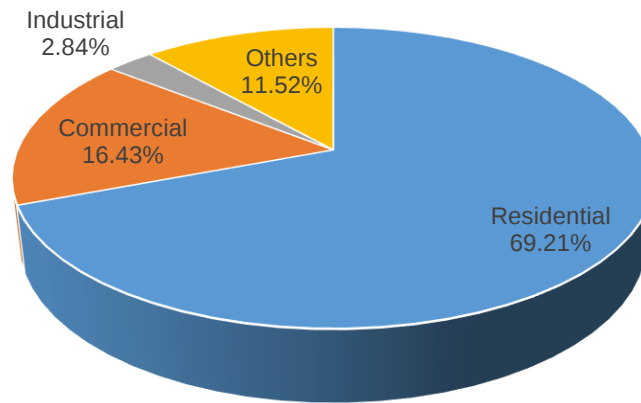


MWh Output increased from year 2019 to year 2020 at a rate of 3.1%, while MWh System Loss increased at a rate of 31% within the same period.



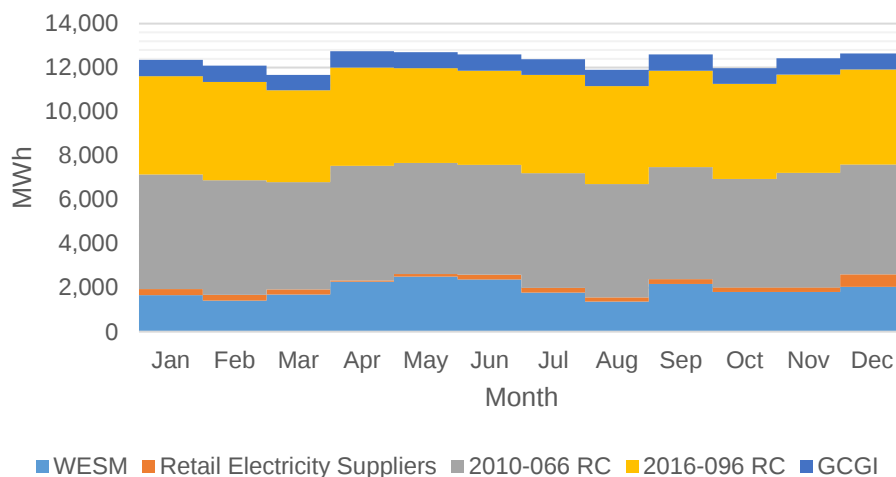
Historically, Transmission Loss ranged from 0% to 0% while System Loss ranged from 13.66% to 8.6%. System Loss peaked at 14.93% on year 2010 because maybe of long lines and weather

Previous Year's Shares of Energy Sales

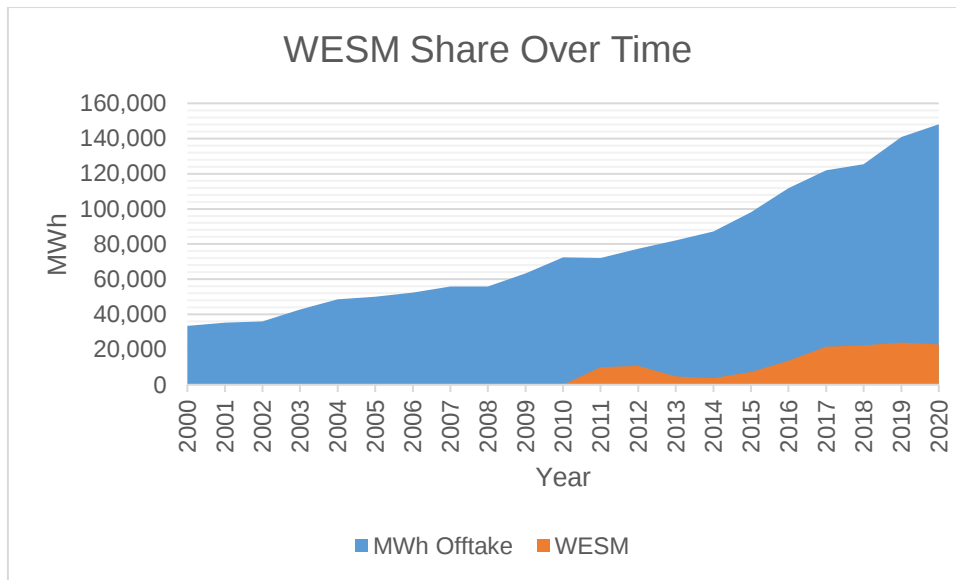


Residential customers account for the bulk of energy sales at 69.21% due to the high number of connections and rural area. In contrast, Industrial customers accounted for only 2.84% of energy sales due to the low number of connections.

MWh Offtake for Last Historical Year

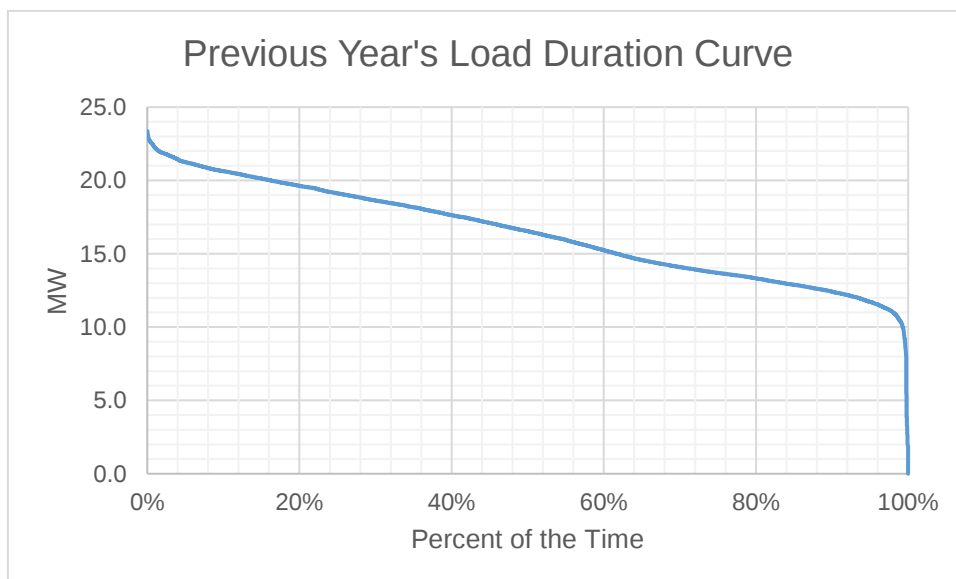


For ANTECO, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. The PSA with 3 accounts for the bulk of MWh Offtake.

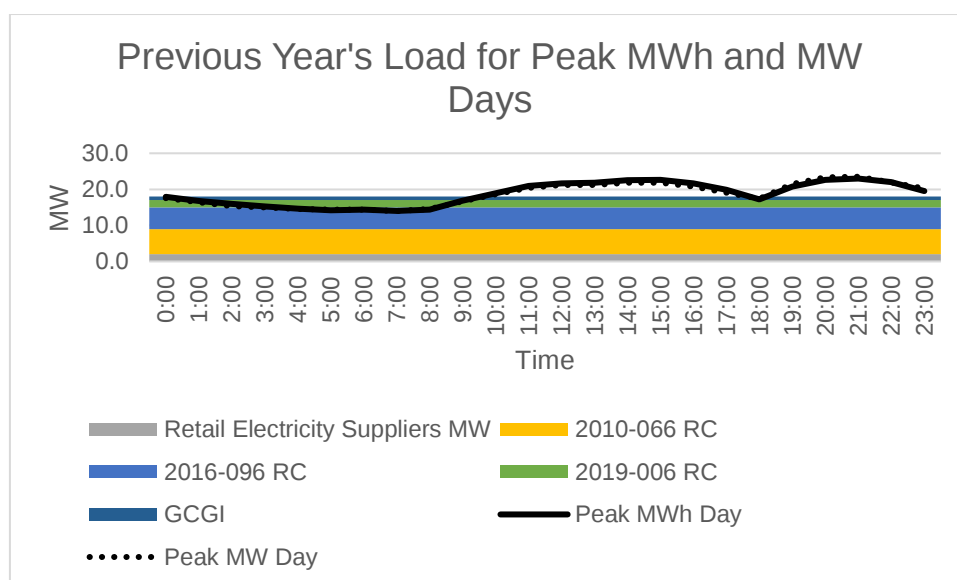


WESM Offtake increased from 9,992 MWh in 2011 to 22,857 MWh in 2020 at a rate of 18% per year due to load growth that result to more exposure in market. The share of WESM in the total Offtake ranged from 4.4% to 15.4%.

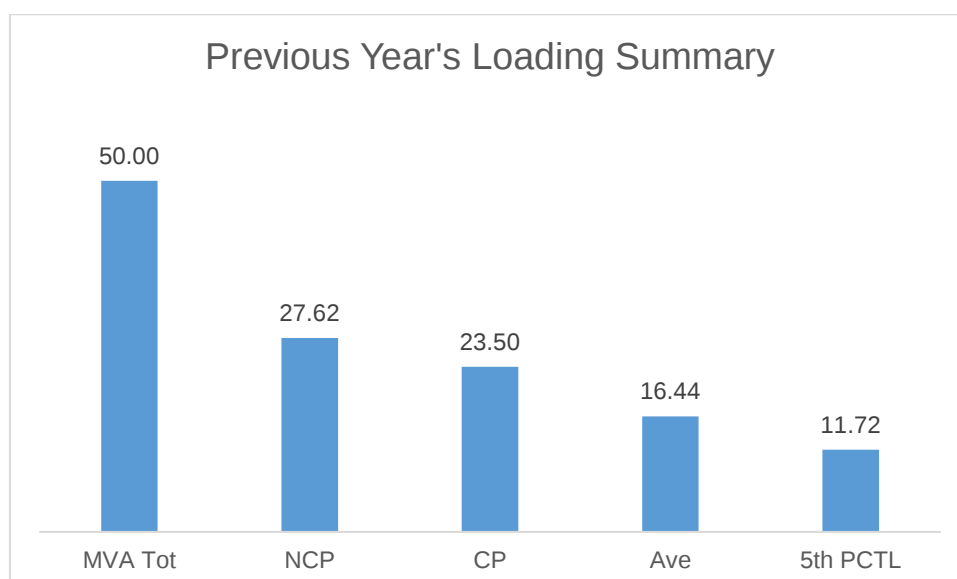
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 10MW and the maximum load is 23.3MW for the last historical year.



Peak MW occurred on 7-8pm due to more residential consumers. Peak daily MWh occurred on 7-8pm due to more residential consumers. As shown in the Load Curves, the available supply is lower than the Peak Demand.



The Non-coincident Peak Demand is 27.6 MW, which is around 55% of the total substation capacity of 50MVA at a power factor of 98%. The load factor or the ratio between the Average Load of 15MW and the Non-coincident Peak Demand is 60% of. A safe estimate of the true minimum load is the fifth percentile load of 11.7 MW which is 42% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
CULASI S/S	5	3.507
HAMTIC S/S	5	4.034
SIBALOM S/S	10	5.165
SAN JOSE & MAYBATO S/S	20	9.680
BUGASONG S/S	10	5.232

The substations loaded at above 70% are Culasi S/S and Hamtic S/S. This loading problem will be solved by putting up another adjacent substation or uprating of power transformer.

Forecasted Consumption Data

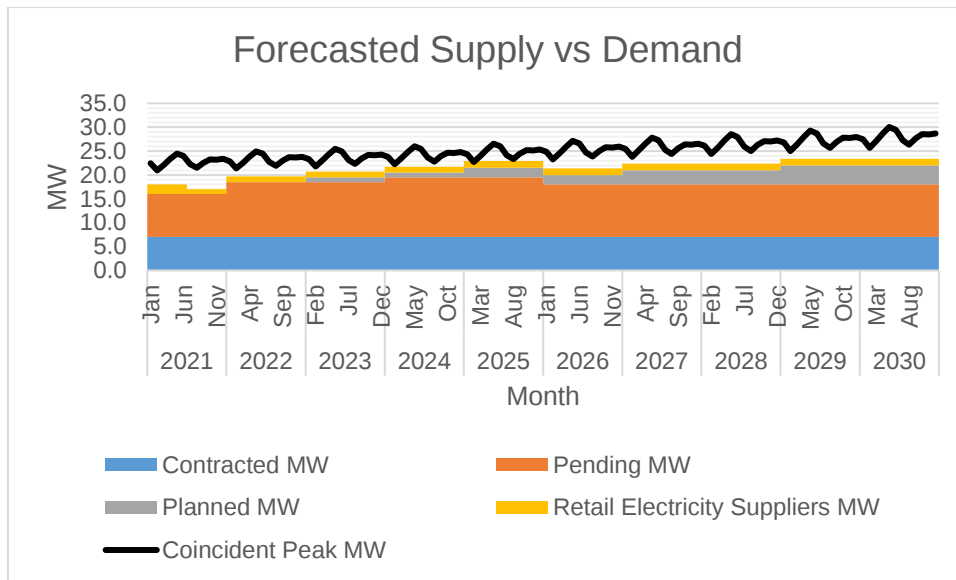
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2021	Jan	22.42	7.00	9.00	0.000	2.00	34%	78%	-4.42
	Feb	20.95	7.00	9.00	0.000	2.00	37%	84%	-2.95
	Mar	22.10	7.00	9.00	0.000	2.00	35%	80%	-4.10
	Apr	23.38	7.00	9.00	0.000	2.00	33%	75%	-5.38
	May	24.49	7.00	9.00	0.000	2.00	31%	71%	-6.49
	Jun	23.99	7.00	9.00	0.000	2.00	32%	73%	-5.99
	Jul	22.26	7.00	9.00	0.000	1.00	33%	75%	-5.26
	Aug	21.49	7.00	9.00	0.000	1.00	34%	78%	-4.49
	Sep	22.55	7.00	9.00	0.000	1.00	32%	74%	-5.55
	Oct	23.26	7.00	9.00	0.000	1.00	31%	72%	-6.26
	Nov	23.20	7.00	9.00	0.000	1.00	32%	72%	-6.20
	Dec	23.36	7.00	9.00	0.000	1.00	31%	72%	-6.36
2022	Jan	22.85	7.00	11.50	0.000	1.20	32%	85%	-3.15
	Feb	21.35	7.00	11.50	0.000	1.20	35%	92%	-1.65
	Mar	22.52	7.00	11.50	0.000	1.20	33%	87%	-2.82
	Apr	23.83	7.00	11.50	0.000	1.20	31%	82%	-4.13
	May	24.96	7.00	11.50	0.000	1.20	29%	78%	-5.26
	Jun	24.45	7.00	11.50	0.000	1.20	30%	80%	-4.75
	Jul	22.69	7.00	11.50	0.000	1.20	33%	86%	-2.99
	Aug	21.90	7.00	11.50	0.000	1.20	34%	89%	-2.20
	Sep	22.98	7.00	11.50	0.000	1.20	32%	85%	-3.28
	Oct	23.71	7.00	11.50	0.000	1.20	31%	82%	-4.01
	Nov	23.64	7.00	11.50	0.000	1.20	31%	82%	-3.94
	Dec	23.81	7.00	11.50	0.000	1.20	31%	82%	-4.11
2023	Jan	23.31	7.00	11.50	1.000	1.20	32%	88%	-2.61
	Feb	21.78	7.00	11.50	1.000	1.20	34%	95%	-1.08
	Mar	22.97	7.00	11.50	1.000	1.20	32%	90%	-2.27
	Apr	24.30	7.00	11.50	1.000	1.20	30%	84%	-3.60

	May	25.46	7.00	11.50	1.000	1.20	29%	80%	-4.76
	Jun	24.94	7.00	11.50	1.000	1.20	29%	82%	-4.24
	Jul	23.14	7.00	11.50	1.000	1.20	32%	89%	-2.44
	Aug	22.34	7.00	11.50	1.000	1.20	33%	92%	-1.64
	Sep	23.44	7.00	11.50	1.000	1.20	31%	88%	-2.74
	Oct	24.18	7.00	11.50	1.000	1.20	30%	85%	-3.48
	Nov	24.12	7.00	11.50	1.000	1.20	31%	85%	-3.42
	Dec	24.29	7.00	11.50	1.000	1.20	30%	84%	-3.59
2024	Jan	23.80	7.00	12.50	1.000	1.20	31%	91%	-2.10
	Feb	22.23	7.00	12.50	1.000	1.20	33%	97%	-0.53
	Mar	23.46	7.00	12.50	1.000	1.20	31%	92%	-1.76
	Apr	24.81	7.00	12.50	1.000	1.20	30%	87%	-3.11
	May	25.99	7.00	12.50	1.000	1.20	28%	83%	-4.29
	Jun	25.46	7.00	12.50	1.000	1.20	29%	85%	-3.76
	Jul	23.63	7.00	12.50	1.000	1.20	31%	91%	-1.93
	Aug	22.81	7.00	12.50	1.000	1.20	32%	95%	-1.11
	Sep	23.93	7.00	12.50	1.000	1.20	31%	90%	-2.23
	Oct	24.69	7.00	12.50	1.000	1.20	30%	87%	-2.99
	Nov	24.62	7.00	12.50	1.000	1.20	30%	88%	-2.92
	Dec	24.80	7.00	12.50	1.000	1.20	30%	87%	-3.10
2025	Jan	24.32	7.00	12.50	2.000	1.40	31%	94%	-1.42
	Feb	22.72	7.00	12.50	2.000	1.40	33%	101%	0.18
	Mar	23.97	7.00	12.50	2.000	1.40	31%	95%	-1.07
	Apr	25.36	7.00	12.50	2.000	1.40	29%	90%	-2.46
	May	26.56	7.00	12.50	2.000	1.40	28%	85%	-3.66
	Jun	26.02	7.00	12.50	2.000	1.40	28%	87%	-3.12
	Jul	24.15	7.00	12.50	2.000	1.40	31%	95%	-1.25
	Aug	23.31	7.00	12.50	2.000	1.40	32%	98%	-0.41
	Sep	24.46	7.00	12.50	2.000	1.40	30%	93%	-1.56
	Oct	25.23	7.00	12.50	2.000	1.40	29%	90%	-2.33
	Nov	25.17	7.00	12.50	2.000	1.40	29%	90%	-2.27
	Dec	25.34	7.00	12.50	2.000	1.40	29%	90%	-2.44
2026	Jan	24.88	7.00	11.00	2.000	1.40	30%	85%	-3.48

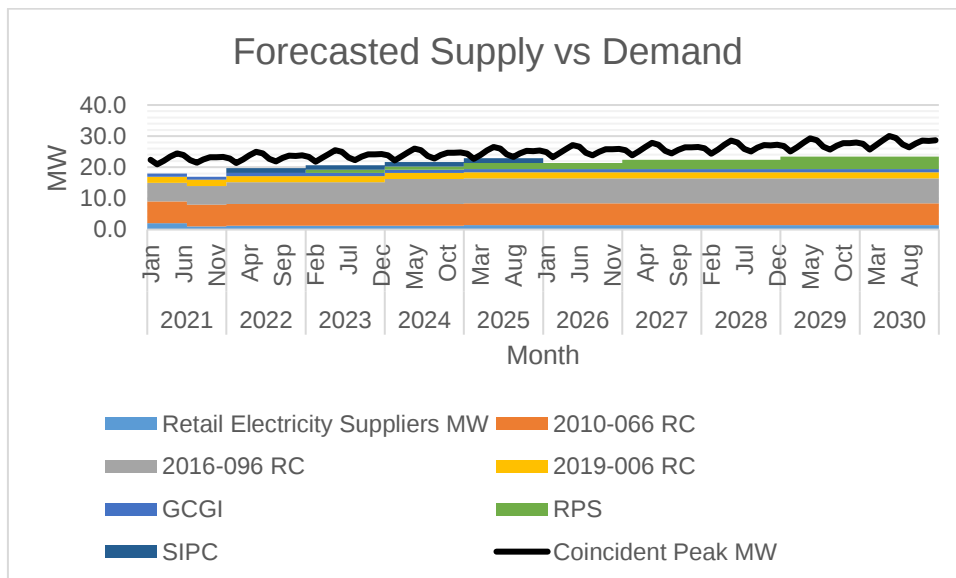
	Feb	23.24	7.00	11.00	2.000	1.40	32%	92%	-1.84
	Mar	24.52	7.00	11.00	2.000	1.40	30%	86%	-3.12
	Apr	25.94	7.00	11.00	2.000	1.40	29%	81%	-4.54
	May	27.18	7.00	11.00	2.000	1.40	27%	78%	-5.78
	Jun	26.62	7.00	11.00	2.000	1.40	28%	79%	-5.22
	Jul	24.70	7.00	11.00	2.000	1.40	30%	86%	-3.30
	Aug	23.85	7.00	11.00	2.000	1.40	31%	89%	-2.45
	Sep	25.02	7.00	11.00	2.000	1.40	30%	85%	-3.62
	Oct	25.81	7.00	11.00	2.000	1.40	29%	82%	-4.41
	Nov	25.75	7.00	11.00	2.000	1.40	29%	82%	-4.35
	Dec	25.93	7.00	11.00	2.000	1.40	29%	82%	-4.53
2027	Jan	25.48	7.00	11.00	3.000	1.40	29%	87%	-3.08
	Feb	23.80	7.00	11.00	3.000	1.40	31%	94%	-1.40
	Mar	25.11	7.00	11.00	3.000	1.40	30%	89%	-2.71
	Apr	26.56	7.00	11.00	3.000	1.40	28%	83%	-4.16
	May	27.83	7.00	11.00	3.000	1.40	26%	79%	-5.43
	Jun	27.26	7.00	11.00	3.000	1.40	27%	81%	-4.86
	Jul	25.30	7.00	11.00	3.000	1.40	29%	88%	-2.90
	Aug	24.42	7.00	11.00	3.000	1.40	30%	91%	-2.02
	Sep	25.62	7.00	11.00	3.000	1.40	29%	87%	-3.22
	Oct	26.43	7.00	11.00	3.000	1.40	28%	84%	-4.03
	Nov	26.36	7.00	11.00	3.000	1.40	28%	84%	-3.96
	Dec	26.55	7.00	11.00	3.000	1.40	28%	84%	-4.15
2028	Jan	26.12	7.00	11.00	3.000	1.40	28%	85%	-3.72
	Feb	24.40	7.00	11.00	3.000	1.40	30%	91%	-2.00
	Mar	25.74	7.00	11.00	3.000	1.40	29%	86%	-3.34
	Apr	27.23	7.00	11.00	3.000	1.40	27%	81%	-4.83
	May	28.52	7.00	11.00	3.000	1.40	26%	77%	-6.12
	Jun	27.94	7.00	11.00	3.000	1.40	26%	79%	-5.54
	Jul	25.93	7.00	11.00	3.000	1.40	29%	86%	-3.53
	Aug	25.03	7.00	11.00	3.000	1.40	30%	89%	-2.63
	Sep	26.26	7.00	11.00	3.000	1.40	28%	84%	-3.86
	Oct	27.09	7.00	11.00	3.000	1.40	27%	82%	-4.69

	Nov	27.02	7.00	11.00	3.000	1.40	27%	82%	-4.62
	Dec	27.21	7.00	11.00	3.000	1.40	27%	81%	-4.81
2029	Jan	26.79	7.00	11.00	4.000	1.40	28%	87%	-3.39
	Feb	25.03	7.00	11.00	4.000	1.40	30%	93%	-1.63
	Mar	26.41	7.00	11.00	4.000	1.40	28%	88%	-3.01
	Apr	27.93	7.00	11.00	4.000	1.40	26%	83%	-4.53
	May	29.26	7.00	11.00	4.000	1.40	25%	79%	-5.86
	Jun	28.66	7.00	11.00	4.000	1.40	26%	81%	-5.26
	Jul	26.60	7.00	11.00	4.000	1.40	28%	87%	-3.20
	Aug	25.68	7.00	11.00	4.000	1.40	29%	91%	-2.28
	Sep	26.94	7.00	11.00	4.000	1.40	27%	86%	-3.54
	Oct	27.79	7.00	11.00	4.000	1.40	27%	83%	-4.39
	Nov	27.72	7.00	11.00	4.000	1.40	27%	84%	-4.32
	Dec	27.92	7.00	11.00	4.000	1.40	26%	83%	-4.52
2030	Jan	27.51	7.00	11.00	4.000	1.40	27%	84%	-4.11
	Feb	25.70	7.00	11.00	4.000	1.40	29%	91%	-2.30
	Mar	27.11	7.00	11.00	4.000	1.40	27%	86%	-3.71
	Apr	28.68	7.00	11.00	4.000	1.40	26%	81%	-5.28
	May	30.04	7.00	11.00	4.000	1.40	24%	77%	-6.64
	Jun	29.43	7.00	11.00	4.000	1.40	25%	78%	-6.03
	Jul	27.31	7.00	11.00	4.000	1.40	27%	85%	-3.91
	Aug	26.37	7.00	11.00	4.000	1.40	28%	88%	-2.97
	Sep	27.66	7.00	11.00	4.000	1.40	27%	84%	-4.26
	Oct	28.54	7.00	11.00	4.000	1.40	26%	81%	-5.14
	Nov	28.46	7.00	11.00	4.000	1.40	26%	81%	-5.06
	Dec	28.66	7.00	11.00	4.000	1.40	26%	81%	-5.26

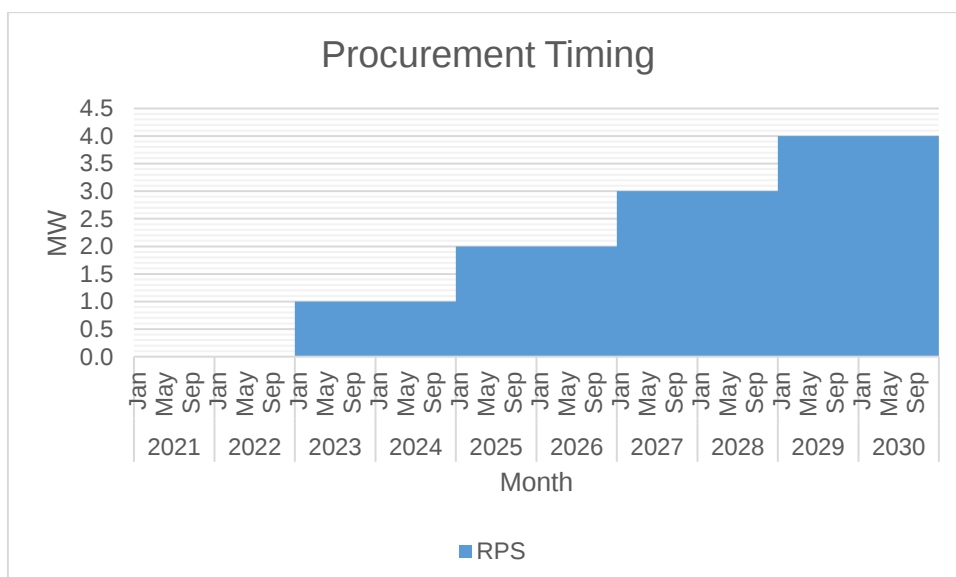
The Peak Demand was forecasted using Quadratic Logarithmic with Smoothing analysis and was assumed to occur on the month of May due to Weather condition. Monthly Peak Demand is at its lowest on the month of August also due to weather condition. In general, Peak Demand is expected to grow at a rate of 5% annually.



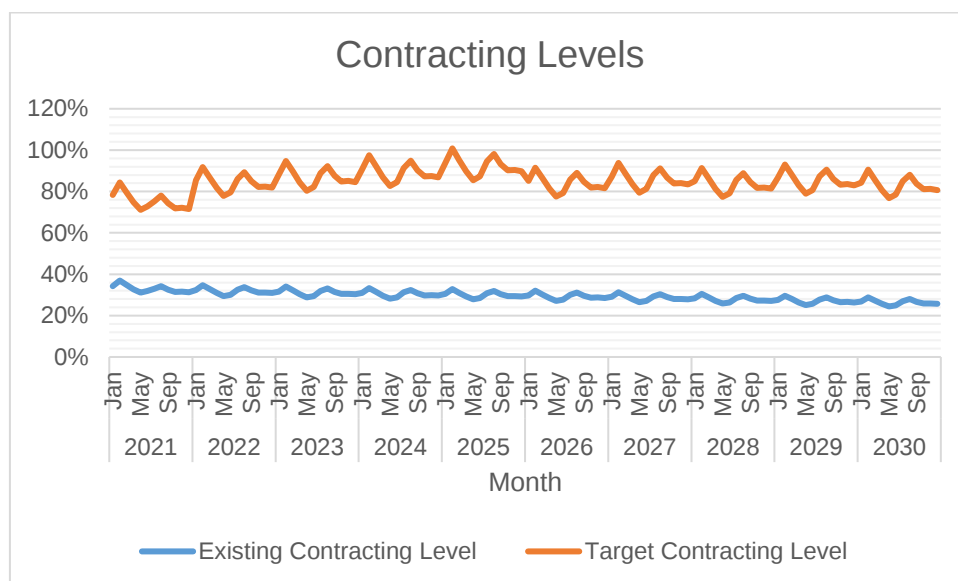
The available supply is generally below the Peak Demand. This is because of low contract MW.



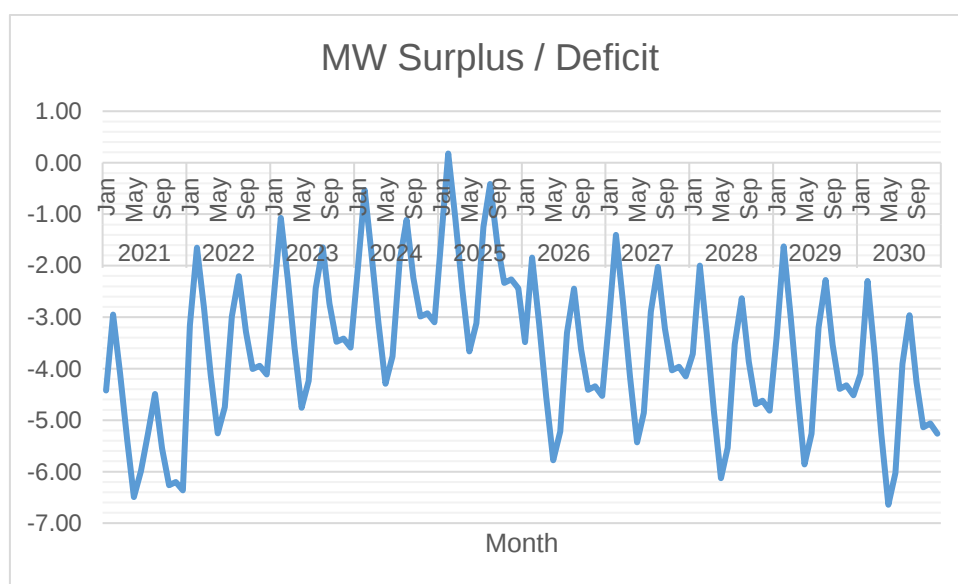
Of the available supply, the largest is 7MW from PEDC unit 1& 2. This is followed by 6 MW from PEDC unit 3.



The first wave of supply procurement will be for RPS 1 MW planned to be available by the month of January 2023 up to 2030 increasing 1MW every 2 years.



Currently, there is under-contacting by 40%. The highest target contracting level is 100% which is expected to occur on 2025.



Currently, there is under-contacting by 3.79 MW average. The highest deficit is 5.26 MW which is expected to occur on the month of May 2022. The lowest deficit is 1.07 MW which is expected to occur on the month of March 2025.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2021	Jan	12,572	11,583	988	0.00%	7.86%
	Feb	12,337	11,268	1,069	0.00%	8.66%
	Mar	11,864	10,911	953	0.00%	8.03%
	Apr	14,852	13,187	1,665	0.00%	11.21%
	May	14,921	13,482	1,438	0.00%	9.64%
	Jun	13,977	13,194	783	0.00%	5.60%
	Jul	12,000	11,192	808	0.00%	6.73%
	Aug	12,061	11,157	904	0.00%	7.50%

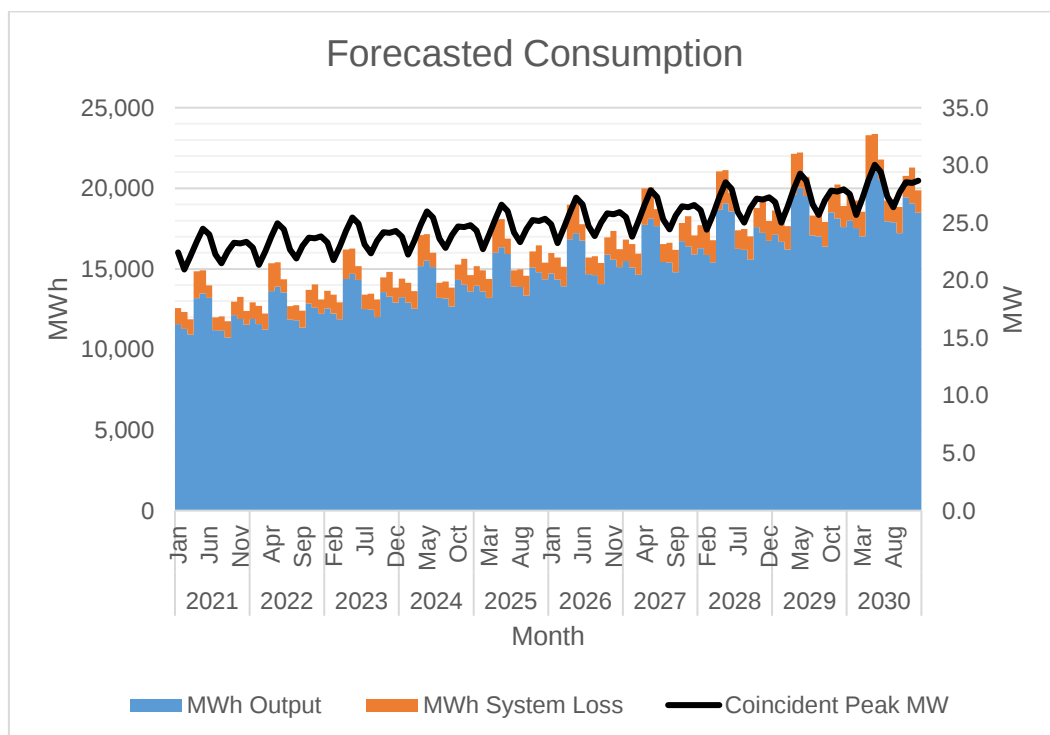
	Sep	11,746	10,735	1,011	0.00%	8.61%
	Oct	12,958	12,133	825	0.00%	6.37%
	Nov	13,272	11,886	1,385	0.00%	10.44%
	Dec	12,398	11,534	864	0.00%	6.97%
2022	Jan	12,918	11,884	1,034	0.00%	8.00%
	Feb	12,698	11,580	1,118	0.00%	8.81%
	Mar	12,238	11,241	997	0.00%	8.15%
	Apr	15,356	13,615	1,741	0.00%	11.34%
	May	15,410	13,906	1,505	0.00%	9.76%
	Jun	14,364	13,545	819	0.00%	5.70%
	Jul	12,690	11,845	845	0.00%	6.66%
	Aug	12,753	11,807	946	0.00%	7.42%
	Sep	12,419	11,361	1,058	0.00%	8.52%
	Oct	13,702	12,839	863	0.00%	6.30%
	Nov	14,028	12,579	1,449	0.00%	10.33%
	Dec	13,110	12,207	903	0.00%	6.89%
2023	Jan	13,641	12,556	1,085	0.00%	7.95%
	Feb	13,407	12,234	1,173	0.00%	8.75%
	Mar	12,921	11,875	1,046	0.00%	8.10%
	Apr	16,209	14,382	1,827	0.00%	11.27%
	May	16,268	14,690	1,579	0.00%	9.70%
	Jun	15,170	14,310	860	0.00%	5.67%
	Jul	13,402	12,515	887	0.00%	6.62%
	Aug	13,467	12,475	992	0.00%	7.37%
	Sep	13,113	12,003	1,110	0.00%	8.46%
	Oct	14,470	13,564	906	0.00%	6.26%
	Nov	14,810	13,290	1,521	0.00%	10.27%
	Dec	13,845	12,897	948	0.00%	6.85%
2024	Jan	14,390	13,248	1,141	0.00%	7.93%
	Feb	14,142	12,908	1,234	0.00%	8.73%
	Mar	13,630	12,529	1,101	0.00%	8.07%
	Apr	17,097	15,175	1,922	0.00%	11.24%
	May	17,160	15,499	1,661	0.00%	9.68%
	Jun	16,005	15,101	904	0.00%	5.65%
	Jul	14,139	13,206	933	0.00%	6.60%
	Aug	14,207	13,164	1,044	0.00%	7.35%
	Sep	13,833	12,666	1,167	0.00%	8.44%
	Oct	15,265	14,312	952	0.00%	6.24%
	Nov	15,623	14,024	1,599	0.00%	10.24%
	Dec	14,606	13,609	997	0.00%	6.83%
2025	Jan	15,168	13,966	1,203	0.00%	7.93%
	Feb	14,906	13,605	1,301	0.00%	8.73%
	Mar	14,367	13,207	1,160	0.00%	8.07%
	Apr	18,022	15,996	2,026	0.00%	11.24%
	May	18,088	16,337	1,750	0.00%	9.68%
	Jun	16,872	15,919	953	0.00%	5.65%
	Jul	14,905	13,922	983	0.00%	6.60%
	Aug	14,977	13,877	1,100	0.00%	7.35%
	Sep	14,582	13,352	1,230	0.00%	8.44%

	Oct	16,091	15,087	1,004	0.00%	6.24%
	Nov	16,470	14,784	1,686	0.00%	10.24%
	Dec	15,398	14,347	1,051	0.00%	6.83%
2026	Jan	15,979	14,709	1,270	0.00%	7.95%
	Feb	15,703	14,329	1,373	0.00%	8.75%
	Mar	15,135	13,910	1,225	0.00%	8.09%
	Apr	18,987	16,848	2,139	0.00%	11.26%
	May	19,055	17,208	1,848	0.00%	9.70%
	Jun	17,775	16,769	1,006	0.00%	5.66%
	Jul	15,702	14,664	1,038	0.00%	6.61%
	Aug	15,778	14,616	1,161	0.00%	7.36%
	Sep	15,362	14,063	1,299	0.00%	8.46%
	Oct	16,951	15,891	1,060	0.00%	6.25%
	Nov	17,352	15,573	1,780	0.00%	10.26%
	Dec	16,221	15,112	1,110	0.00%	6.84%
2027	Jan	16,825	15,482	1,342	0.00%	7.98%
	Feb	16,533	15,081	1,451	0.00%	8.78%
	Mar	15,935	14,641	1,294	0.00%	8.12%
	Apr	19,995	17,734	2,261	0.00%	11.31%
	May	20,065	18,112	1,953	0.00%	9.73%
	Jun	18,715	17,651	1,063	0.00%	5.68%
	Jul	16,533	15,435	1,097	0.00%	6.64%
	Aug	16,612	15,385	1,228	0.00%	7.39%
	Sep	16,175	14,802	1,373	0.00%	8.49%
	Oct	17,846	16,726	1,120	0.00%	6.28%
	Nov	18,273	16,392	1,881	0.00%	10.30%
	Dec	17,080	15,907	1,173	0.00%	6.87%
2028	Jan	17,706	16,286	1,420	0.00%	8.02%
	Feb	17,399	15,864	1,536	0.00%	8.83%
	Mar	16,771	15,402	1,369	0.00%	8.16%
	Apr	21,048	18,657	2,392	0.00%	11.36%
	May	21,120	19,054	2,066	0.00%	9.78%
	Jun	19,695	18,570	1,125	0.00%	5.71%
	Jul	17,399	16,238	1,161	0.00%	6.67%
	Aug	17,483	16,184	1,299	0.00%	7.43%
	Sep	17,024	15,571	1,453	0.00%	8.53%
	Oct	18,781	17,596	1,185	0.00%	6.31%
	Nov	19,235	17,245	1,990	0.00%	10.35%
	Dec	17,975	16,734	1,241	0.00%	6.90%
2029	Jan	18,627	17,124	1,503	0.00%	8.07%
	Feb	18,304	16,678	1,625	0.00%	8.88%
	Mar	17,643	16,194	1,449	0.00%	8.22%
	Apr	22,149	19,618	2,531	0.00%	11.43%
	May	22,222	20,035	2,187	0.00%	9.84%
	Jun	20,718	19,527	1,191	0.00%	5.75%
	Jul	18,303	17,074	1,229	0.00%	6.71%
	Aug	18,392	17,017	1,375	0.00%	7.47%
	Sep	17,910	16,372	1,538	0.00%	8.59%
	Oct	19,756	18,501	1,254	0.00%	6.35%

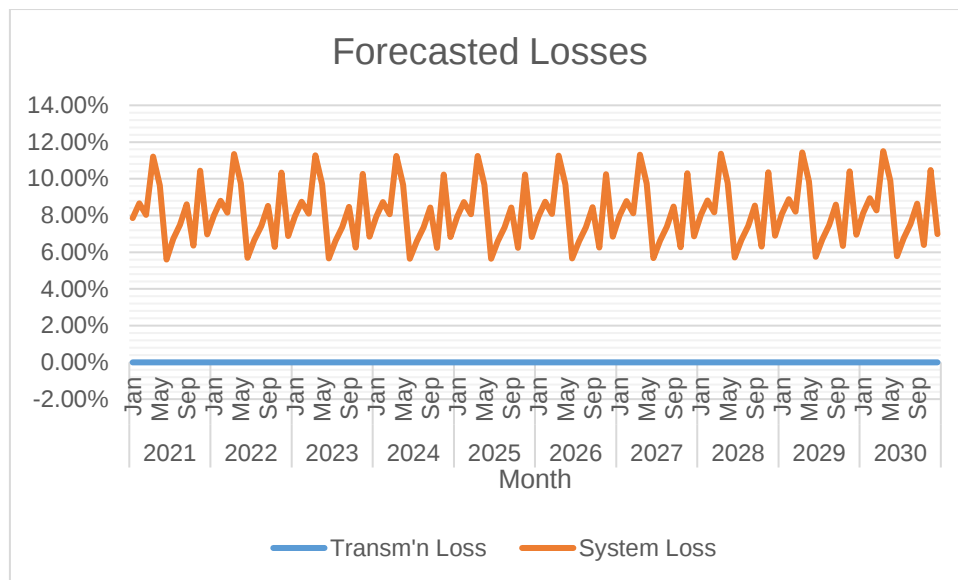
	Nov	20,240	18,134	2,107	0.00%	10.41%
	Dec	18,909	17,596	1,313	0.00%	6.95%
2030	Jan	19,589	17,997	1,591	0.00%	8.12%
	Feb	19,249	17,528	1,721	0.00%	8.94%
	Mar	18,555	17,020	1,535	0.00%	8.27%
	Apr	23,301	20,621	2,680	0.00%	11.50%
	May	23,374	21,058	2,316	0.00%	9.91%
	Jun	21,787	20,526	1,261	0.00%	5.79%
	Jul	19,247	17,946	1,301	0.00%	6.76%
	Aug	19,341	17,886	1,456	0.00%	7.53%
	Sep	18,835	17,207	1,628	0.00%	8.64%
	Oct	20,774	19,446	1,328	0.00%	6.39%
	Nov	21,291	19,060	2,231	0.00%	10.48%
	Dec	19,885	18,495	1,391	0.00%	6.99%

MWh Offtake was forecasted using Quadratic Logarithmic with Smoothing analysis. The assumed load factor is 72%.

System Loss was calculated through a Load Flow Study conducted on December 2020 using Synergee 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 6% annually.



Transmission Loss is expected to range from 0% to 0% while System Loss is expected to range from 4% to 8%.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2010-066 RC	Base	Panay Energy Development Corporation	7.00	61,320	4/1/2011	12/25/2036

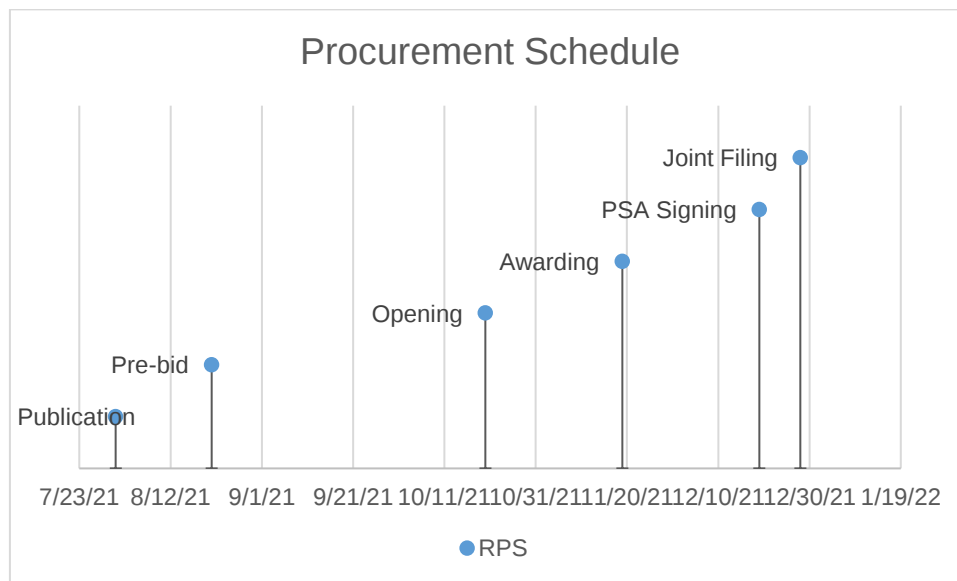
The PSA with PEDC filed with ERC under Case No. 2010-066 RC was procured through CSP. It was selected to provide for base requirements due to capacity factor. Historically, the utilization of the PSA is 100%. Outages of the plant led to unserved energy of around 5,579MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 5.0108 P/kWh to 6.2275 P/KWh in the same period.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2016-096 RC	Base	Panay Energy Development Corporation	4.00	35,136	12/26/2015	12/25/2036
2019-006 RC	Base	GN Power Mariveles Coal Plant Ltd.	2.00	17,568	12/26/2019	12/25/2035
GCGI	Base	Green Core Geothermal, Inc.	1.00	720	12/26/2015	12/25/2022
SIPC	Peaking	SPC Island Power Corporation	1.50	132	12/26/2021	12/25/2025

The PSA with PEDC filed with ERC under Case No. 2016-096 RC was procured through Swiss Challenge. It was selected to provide for base/intermediate/peaking requirements due to requirements of the coop. Historically, the utilization of the PSA is 100%. The actual billed overall monthly charge under the PSA ranged from 5.0108 P/kWh to 6.2275 P/KWh in the same period.

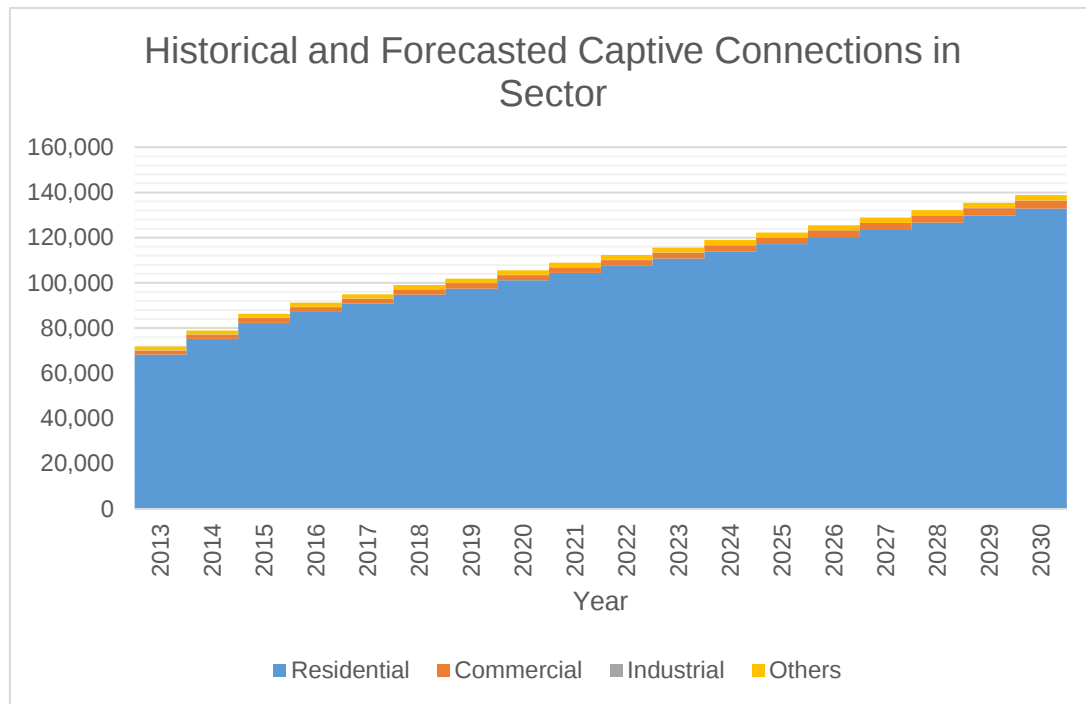
The PSA with GCGI filed with ERC under Case No. (not yet) was procured through CSP. It was selected to provide for base requirements due to requirements of the coop. Historically, the utilization of the PSA is 100%. Outages of the plant led to unserved energy of around 755 MWh in the past year. The actual billed overall monthly charge under the PSA ranged using TOU rate from 3.4801 P/kWh to 3.5563 P/KWh in the same period.

	RPS
Type	Base
Minimum MW	1.00
Minimum MWh/yr	8,760
PSA Start	12/26/2022
PSA End	12/25/2030
Publication	7/31/2021
Pre-bid	8/21/2021
Opening	10/20/2021
Awarding	11/19/2021
PSA Signing	12/19/2021
Joint Filing	12/28/2021



For the procurement of 1MW of supply which is planned to be available on 12/26/2022 the first publication or launch of CSP will be on 7/31/2021. Joint filing is planned on 12/28/2021 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 an average rate of 5% annually. Said customer class is expected to account for 62% of the total consumption.

The number of Commercial connections is expected to grow at an average rate of 5% annually. Said customer class is expected to account for 22% of the total consumption.

The number of Industrial connections is expected to grow at an average rate of 3% annually. Said customer class is expected to account for 3% of the total consumption.

The number of Public Building and Street Lights connections is expected to grow at an average rate of 2.5% annually. Said customer class is expected to account for 13% of the total consumption.