Power Supply Procurement Plan 2020

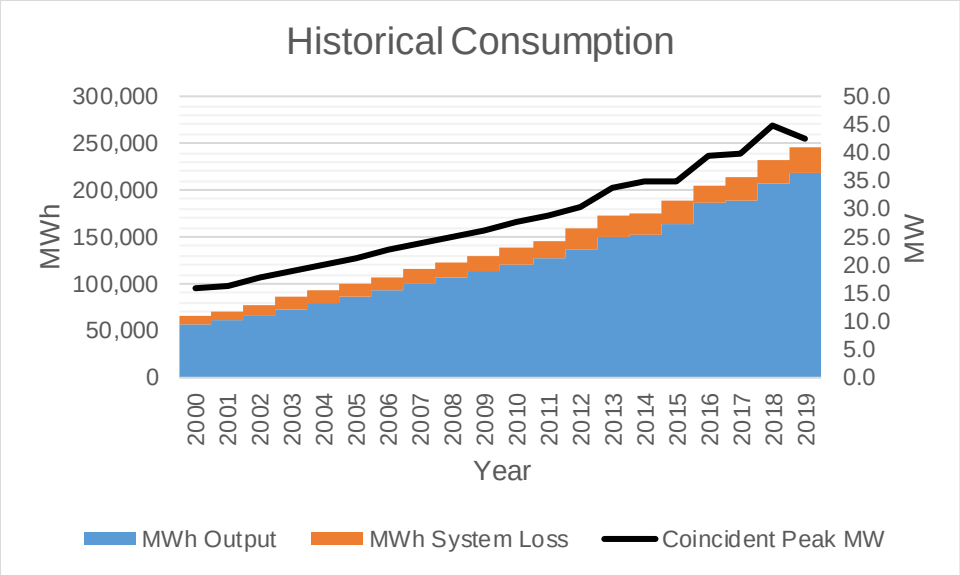
Cotabato Electric Cooperative, Inc.

(COTELCO)

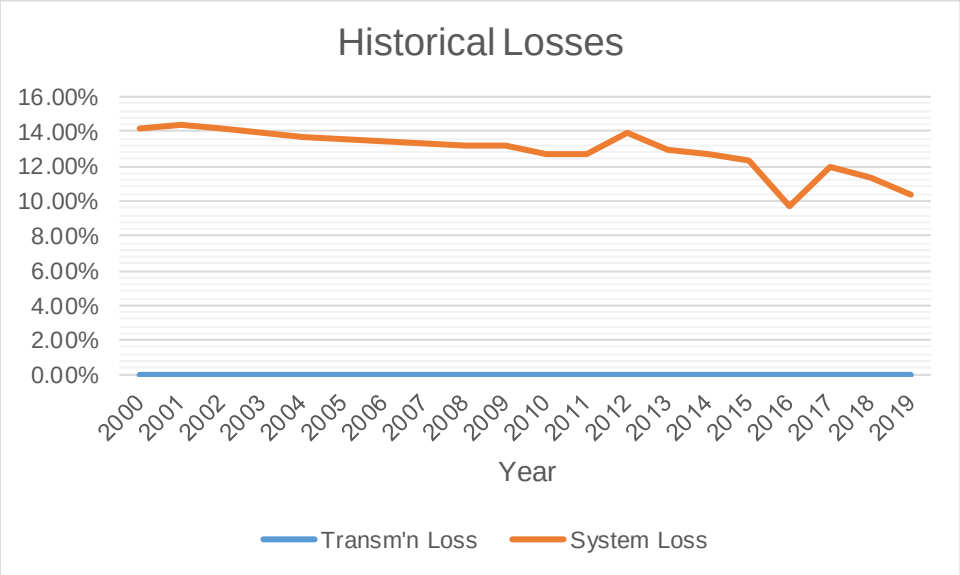
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	15.90	65,569	0	65,569	56,282	9,287	47%	0.00%	0.00%	14.16%
2001	16.42	70,625	0	70,625	60,467	10,158	49%	0.00%	0.00%	14.38%
2002	17.65	78,101	0	78,101	67,072	11,029	51%	0.00%	0.00%	14.12%
2003	18.88	85,577	0	85,577	73,677	11,900	52%	0.00%	0.00%	13.91%
2004	20.11	93,053	0	93,053	80,282	12,771	53%	0.00%	0.00%	13.72%
2005	21.34	100,529	0	100,529	86,887	13,642	54%	0.00%	0.00%	13.57%
2006	22.57	108,006	0	108,006	93,492	14,513	55%	0.00%	0.00%	13.44%
2007	23.80	115,482	0	115,482	100,097	15,384	55%	0.00%	0.00%	13.32%
2008	25.03	122,958	0	122,958	106,702	16,256	56%	0.00%	0.00%	13.22%
2009	26.26	130,434	0	130,434	113,307	17,127	57%	0.00%	0.00%	13.13%
2010	27.49	137,910	0	137,910	120,386	17,524	57%	0.00%	0.00%	12.71%
2011	28.72	145,386	0	145,386	127,008	18,378	58%	0.00%	0.00%	12.64%
2012	30.16	159,694	0	159,694	137,403	22,291	60%	0.00%	0.00%	13.96%
2013	33.80	173,594	0	173,594	151,197	22,397	59%	0.00%	0.00%	12.90%
2014	34.85	175,267	0	175,267	152,913	22,354	57%	0.00%	0.00%	12.75%
2015	35.02	188,008	0	188,008	164,740	23,267	61%	0.00%	0.00%	12.38%
2016	39.37	205,476	0	205,476	185,545	19,931	60%	0.00%	0.00%	9.70%
2017	39.97	213,855	0	213,855	188,299	25,556	61%	0.00%	0.00%	11.95%
2018	44.82	232,911	0	232,911	206,412	26,500	59%	0.00%	0.00%	11.38%
2019	42.59	244,574	0	244,574	219,221	25,354	66%	0.00%	0.00%	10.37%

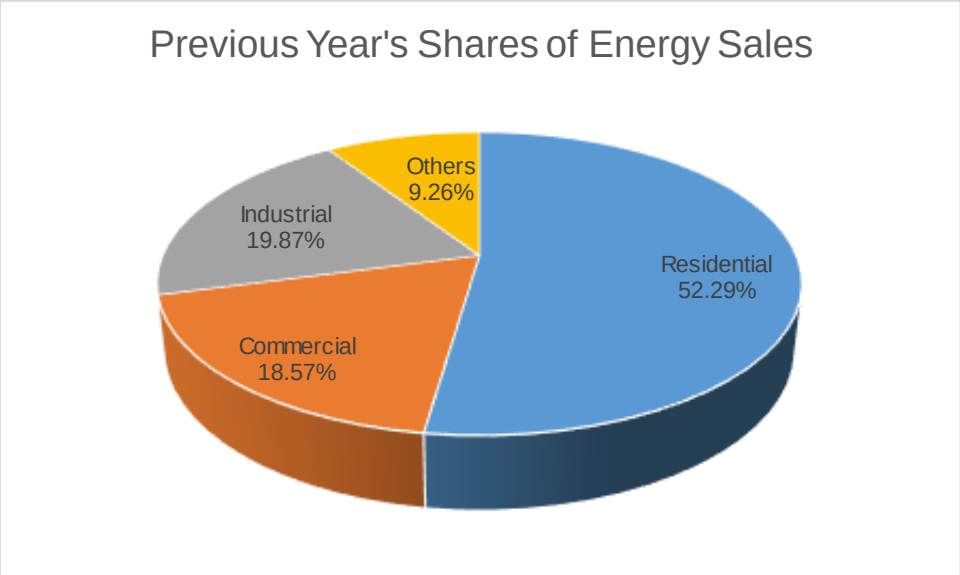
Peak Demand decreased from 44.82 MW in 2018 to 42.59 MW in 2019 at a rate of 4.97% due to series of earthquakes and damage to properties. MWh Offtake increased from 206,410 MWh in 2018 to 219,221 MWh in 2019 at a rate of 5.84% due to increase in number of customers. Within the same period, Load Factor ranged from 59% to 66%.



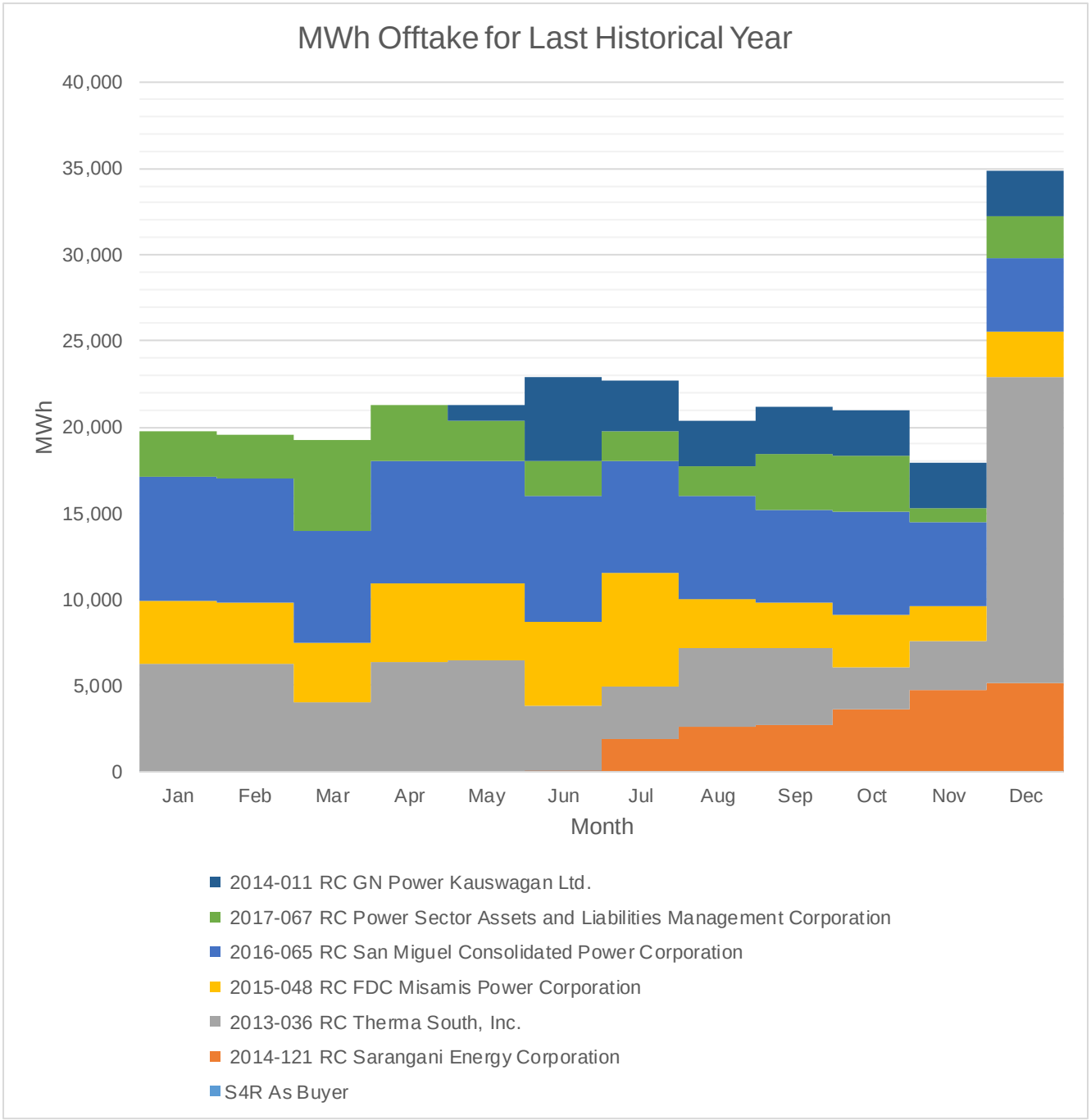
MWh Output increased from year 2000 to year 2019 at a rate of 3-5%, while MWh System Loss decreased at a rate of less than 1% within the same period.



Historically, Transmission Loss ranged less than 0.1% while System Loss ranged from 14% to 10%. System Loss peaked at 14.38% on year 2001 because of non-technical losses.

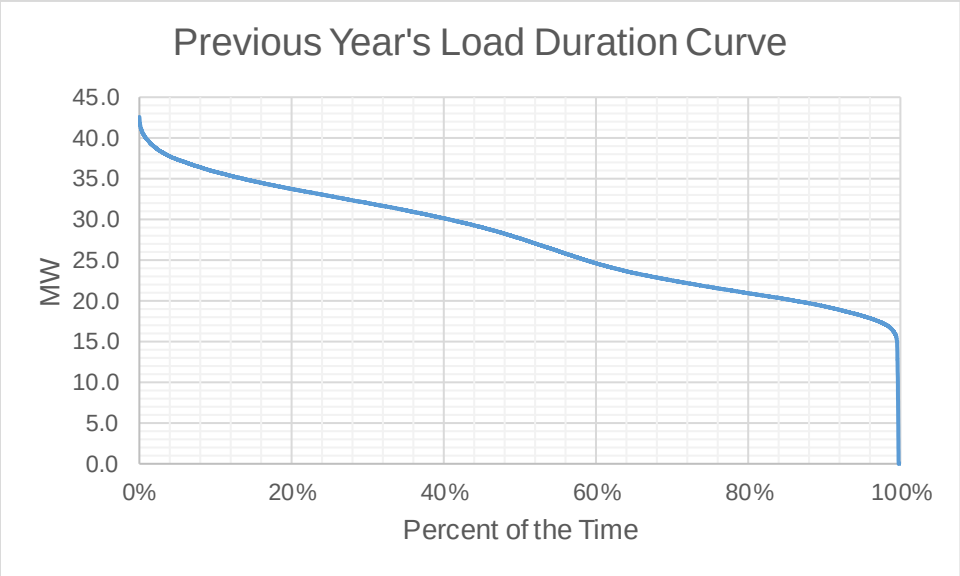


Residential customers account for the bulk of energy sales at 52.29% due to the high number of connections. In contrast, Other customers accounted for only 9.26% of energy sales due to the low number of connections.

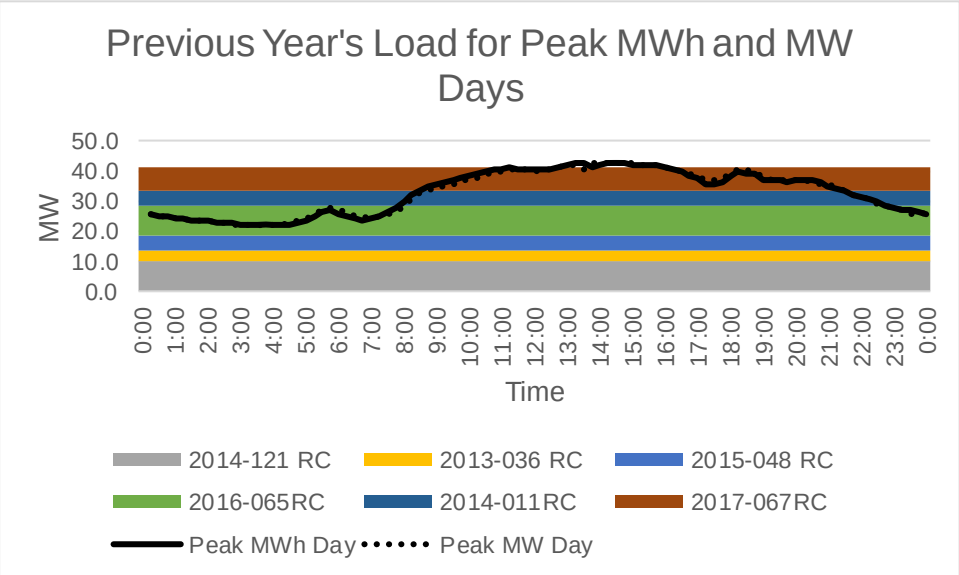


For 2019, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. The PSA with TSI accounts for the bulk of MWh Offtake.

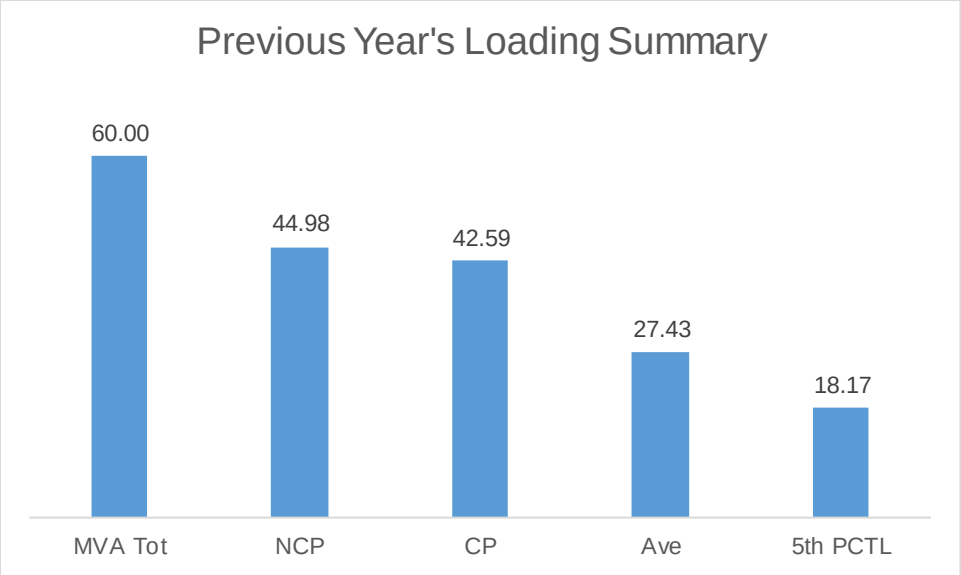
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 16 MW and the maximum load is 42.59 MW for the last historical year.



Peak MW occurred on September 2019 due to rice milling season. Peak daily MWh occurred on 2:00PM due to industrial customer operation. As shown in the Load Curves, the available supply is higher than the Peak Demand.



The Non-coincident Peak Demand is 44.98 MW, which is around 74.97% of the total substation capacity of 60 MVA at a power factor of 0.98. The load factor or the ratio between the Average Load of 27.43 MW and the Non-coincident Peak Demand is 60.98% of. A safe estimate of the true minimum load is the fifth percentile load of 18.17 MW which is 40.4% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
M1	5	3.711
M2	10	6.654
M3	10	5.610
M4	10	10.017
M5	10	6.290
M6	10	8.658
M7	5	4.045

The substations loaded at above 70% are M1, M4, M6, and M7. This loading problem will be solved by additional substation at Carmen and Kidapawan.

Forecasted Consumption Data

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2020	Jan	41.24	41.24	0.00	0.000	100%	100%	0.00
	Feb	40.29	40.29	0.00	0.000	100%	100%	0.00
	Mar	41.17	41.17	0.00	0.000	100%	100%	0.00
	Apr	41.32	41.32	0.00	0.000	100%	100%	0.00
	May	41.80	41.80	0.00	0.000	100%	100%	0.00
	Jun	42.66	42.66	0.00	0.000	100%	100%	0.00
	Jul	42.88	42.88	0.00	0.000	100%	100%	0.00
	Aug	42.20	42.20	0.00	0.000	100%	100%	0.00
	Sep	42.18	42.18	0.00	0.000	100%	100%	0.00
	Oct	43.38	43.38	0.00	0.000	100%	100%	0.00
	Nov	44.86	44.86	0.00	0.000	100%	100%	0.00
	Dec	44.35	44.35	0.00	0.000	100%	100%	0.00
2021	Jan	42.48	40.00	2.48	0.000	94%	100%	0.00
	Feb	41.50	40.00	1.50	0.000	96%	100%	0.00
	Mar	42.41	40.00	2.41	0.000	94%	100%	0.00
	Apr	42.56	40.00	2.56	0.000	94%	100%	0.00
	May	43.05	40.00	3.05	0.000	93%	100%	0.00
	Jun	43.94	40.00	3.94	0.000	91%	100%	0.00
	Jul	44.17	40.00	4.17	0.000	91%	100%	0.00
	Aug	43.47	40.00	3.47	0.000	92%	100%	0.00
	Sep	43.45	40.00	3.45	0.000	92%	100%	0.00
	Oct	44.68	40.00	4.68	0.000	90%	100%	0.00
	Nov	46.21	40.00	6.21	0.000	87%	100%	0.00
	Dec	45.68	40.00	5.68	0.000	88%	100%	0.00
2022	Jan	43.75	40.00	3.75	0.000	91%	100%	0.00
	Feb	42.74	40.00	2.74	0.000	94%	100%	0.00
	Mar	43.68	40.00	3.68	0.000	92%	100%	0.00
	Apr	43.84	40.00	3.84	0.000	91%	100%	0.00

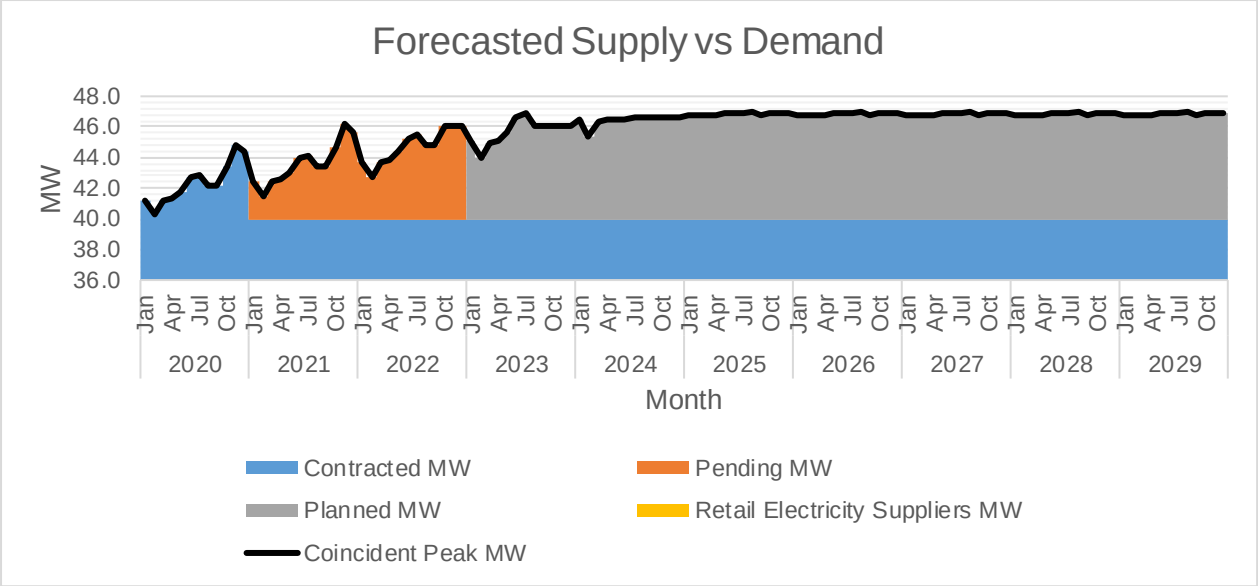
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	May	44.35	40.00	4.35	0.000	90%	100%	0.00
	Jun	45.26	40.00	5.26	0.000	88%	100%	0.00
	Jul	45.49	40.00	5.49	0.000	88%	100%	0.00
	Aug	44.77	40.00	4.77	0.000	89%	100%	0.00
	Sep	44.75	40.00	4.75	0.000	89%	100%	0.00
	Oct	46.02	40.00	6.02	0.000	87%	100%	0.00
	Nov	46.00	40.00	6.00	0.000	87%	100%	0.00
	Dec	46.00	40.00	6.00	0.000	87%	100%	0.00
2023	Jan	45.06	40.00	0.00	5.064	89%	100%	0.00
	Feb	44.03	40.00	0.00	4.026	91%	100%	0.00
	Mar	44.99	40.00	0.00	4.988	89%	100%	0.00
	Apr	45.15	40.00	0.00	5.151	89%	100%	0.00
	May	45.68	40.00	0.00	5.676	88%	100%	0.00
	Jun	46.62	40.00	0.00	6.616	86%	100%	0.00
	Jul	46.86	40.00	0.00	6.856	85%	100%	0.00
	Aug	46.11	40.00	0.00	6.113	87%	100%	0.00
	Sep	46.09	40.00	0.00	6.091	87%	100%	0.00
	Oct	46.09	40.00	0.00	6.091	87%	100%	0.00
	Nov	46.09	40.00	0.00	6.091	87%	100%	0.00
	Dec	46.09	40.00	0.00	6.091	87%	100%	0.00
2024	Jan	46.42	40.00	0.00	6.416	86%	100%	0.00
	Feb	45.35	40.00	0.00	5.347	88%	100%	0.00
	Mar	46.34	40.00	0.00	6.337	86%	100%	0.00
	Apr	46.51	40.00	0.00	6.506	86%	100%	0.00
	May	46.53	40.00	0.00	6.526	86%	100%	0.00
	Jun	46.55	40.00	0.00	6.546	86%	100%	0.00
	Jul	46.57	40.00	0.00	6.566	86%	100%	0.00
	Aug	46.59	40.00	0.00	6.586	86%	100%	0.00
	Sep	46.61	40.00	0.00	6.606	86%	100%	0.00
	Oct	46.63	40.00	0.00	6.626	86%	100%	0.00

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Nov	46.65	40.00	0.00	6.646	86%	100%	0.00
	Dec	46.67	40.00	0.00	6.666	86%	100%	0.00
2025	Jan	46.71	40.00	0.00	6.707	86%	100%	0.00
	Feb	46.71	40.00	0.00	6.707	86%	100%	0.00
	Mar	46.75	40.00	0.00	6.754	86%	100%	0.00
	Apr	46.80	40.00	0.00	6.801	85%	100%	0.00
	May	46.85	40.00	0.00	6.847	85%	100%	0.00
	Jun	46.89	40.00	0.00	6.894	85%	100%	0.00
	Jul	46.94	40.00	0.00	6.941	85%	100%	0.00
	Aug	46.99	40.00	0.00	6.988	85%	100%	0.00
	Sep	46.80	40.00	0.00	6.801	85%	100%	0.00
	Oct	46.85	40.00	0.00	6.847	85%	100%	0.00
	Nov	46.89	40.00	0.00	6.894	85%	100%	0.00
	Dec	46.94	40.00	0.00	6.941	85%	100%	0.00
2026	Jan	46.71	40.00	0.00	6.707	86%	100%	0.00
	Feb	46.71	40.00	0.00	6.707	86%	100%	0.00
	Mar	46.75	40.00	0.00	6.754	86%	100%	0.00
	Apr	46.80	40.00	0.00	6.801	85%	100%	0.00
	May	46.85	40.00	0.00	6.847	85%	100%	0.00
	Jun	46.89	40.00	0.00	6.894	85%	100%	0.00
	Jul	46.94	40.00	0.00	6.941	85%	100%	0.00
	Aug	46.99	40.00	0.00	6.988	85%	100%	0.00
	Sep	46.80	40.00	0.00	6.801	85%	100%	0.00
	Oct	46.85	40.00	0.00	6.847	85%	100%	0.00
	Nov	46.89	40.00	0.00	6.894	85%	100%	0.00
	Dec	46.94	40.00	0.00	6.941	85%	100%	0.00
2027	Jan	46.71	40.00	0.00	6.707	86%	100%	0.00
	Feb	46.71	40.00	0.00	6.707	86%	100%	0.00
	Mar	46.75	40.00	0.00	6.754	86%	100%	0.00
	Apr	46.80	40.00	0.00	6.801	85%	100%	0.00

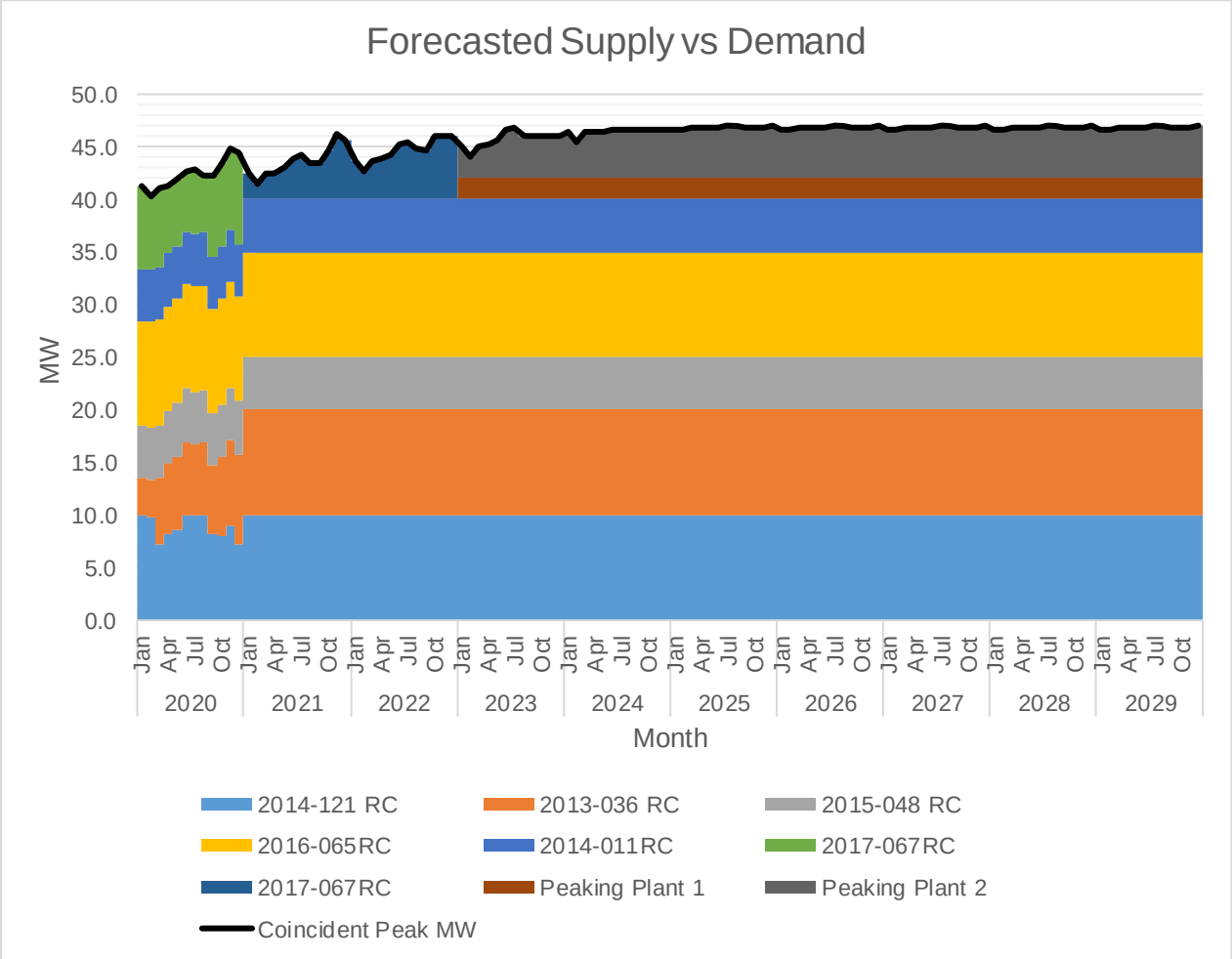
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	May	46.85	40.00	0.00	6.847	85%	100%	0.00
	Jun	46.89	40.00	0.00	6.894	85%	100%	0.00
	Jul	46.94	40.00	0.00	6.941	85%	100%	0.00
	Aug	46.99	40.00	0.00	6.988	85%	100%	0.00
	Sep	46.80	40.00	0.00	6.801	85%	100%	0.00
	Oct	46.85	40.00	0.00	6.847	85%	100%	0.00
	Nov	46.89	40.00	0.00	6.894	85%	100%	0.00
	Dec	46.94	40.00	0.00	6.941	85%	100%	0.00
2028	Jan	46.71	40.00	0.00	6.707	86%	100%	0.00
	Feb	46.71	40.00	0.00	6.707	86%	100%	0.00
	Mar	46.75	40.00	0.00	6.754	86%	100%	0.00
	Apr	46.80	40.00	0.00	6.801	85%	100%	0.00
	May	46.85	40.00	0.00	6.847	85%	100%	0.00
	Jun	46.89	40.00	0.00	6.894	85%	100%	0.00
	Jul	46.94	40.00	0.00	6.941	85%	100%	0.00
	Aug	46.99	40.00	0.00	6.988	85%	100%	0.00
	Sep	46.80	40.00	0.00	6.801	85%	100%	0.00
	Oct	46.85	40.00	0.00	6.847	85%	100%	0.00
	Nov	46.89	40.00	0.00	6.894	85%	100%	0.00
	Dec	46.94	40.00	0.00	6.941	85%	100%	0.00
2029	Jan	46.71	40.00	0.00	6.707	86%	100%	0.00
	Feb	46.71	40.00	0.00	6.707	86%	100%	0.00
	Mar	46.75	40.00	0.00	6.754	86%	100%	0.00
	Apr	46.80	40.00	0.00	6.801	85%	100%	0.00
	May	46.85	40.00	0.00	6.847	85%	100%	0.00
	Jun	46.89	40.00	0.00	6.894	85%	100%	0.00
	Jul	46.94	40.00	0.00	6.941	85%	100%	0.00
	Aug	46.99	40.00	0.00	6.988	85%	100%	0.00
	Sep	46.80	40.00	0.00	6.801	85%	100%	0.00
	Oct	46.85	40.00	0.00	6.847	85%	100%	0.00

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Nov	46.89	40.00	0.00	6.894	85%	100%	0.00
	Dec	46.94	40.00	0.00	6.941	85%	100%	0.00

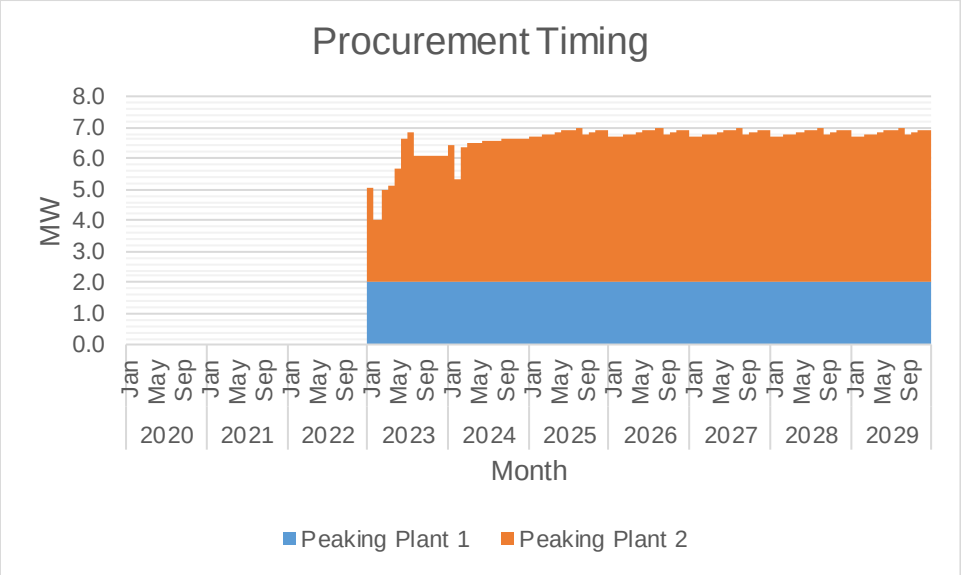
The Peak Demand was forecasted using moving average method and was assumed to occur on the months of November-December due to Christmas season. Monthly Peak Demand is at its lowest on the month of January due to unknown cause. In general, Peak Demand is expected to grow at a rate of 3-5% annually.



The available supply is generally below the Peak Demand. This is because COTELCO's base power supply contract is sufficient until December 25, 2022.

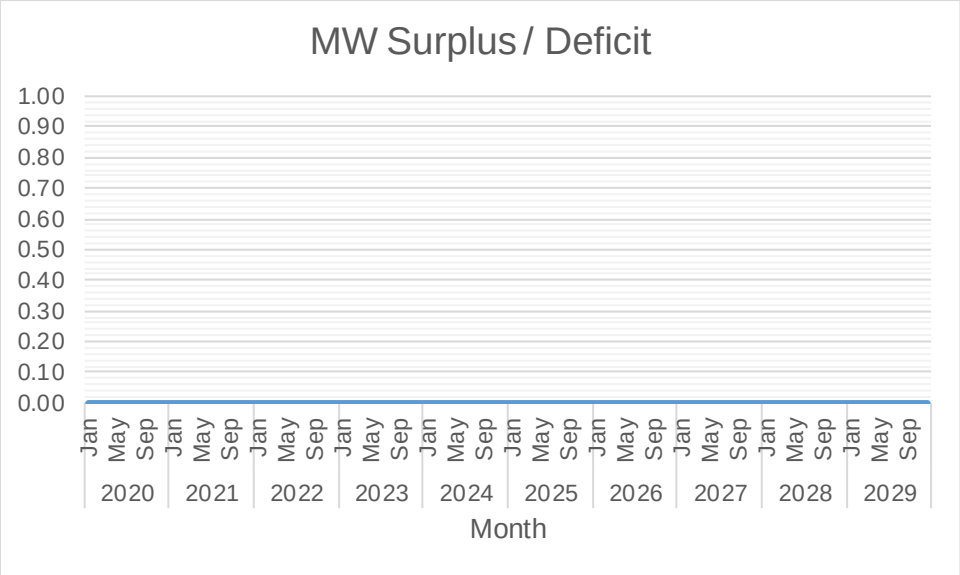


Of the available supply, the largest is 10 MW from 2013-036RC. This is followed by 10 MW from 2014-121RC.



The first wave of supply procurement will be for 2 MW peaking power plant planned to be available by the month of January 2023. This will be followed by 10MW peaking power plant if there is sudden abrupt of load.

Currently, there is under-contacting by 5% during peak hours only. The highest target contracting level is 20% which is expected to occur on 2024. The lowest target contracting level is 2% which is expected to occur on 2022.



Currently, there is under-contacting by less than 0.1 MW during peak hours. The highest deficit is 0.1 MW which is expected to occur on the month of December. The lowest deficit is 0.01 MW which is expected to occur on the month of January.

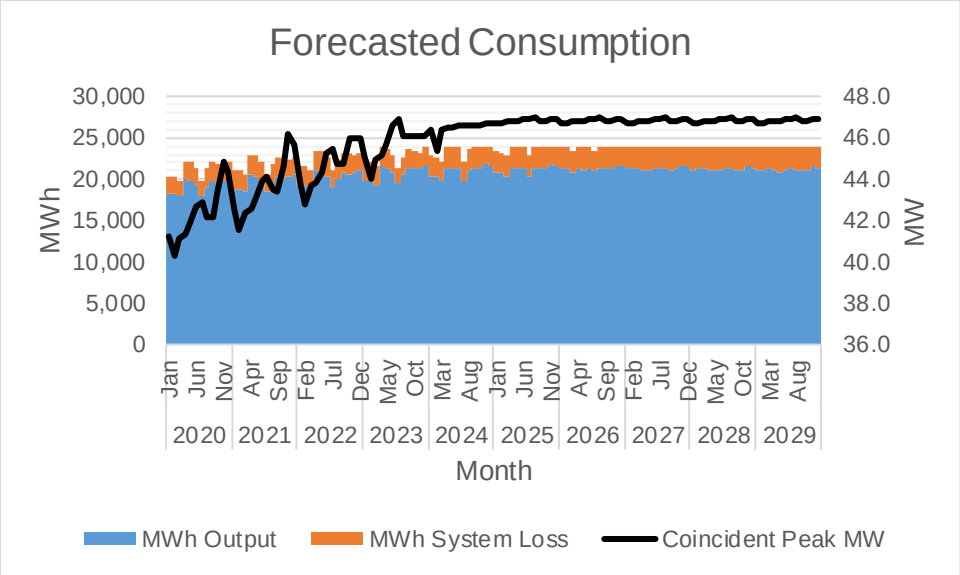
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2020	Jan	20,381	18,345	2,036	0.00%	9.99%
	Feb	20,205	18,268	1,938	0.00%	9.59%
	Mar	19,795	17,940	1,855	0.00%	9.37%
	Apr	21,996	19,915	2,081	0.00%	9.46%
	May	21,982	19,848	2,134	0.00%	9.71%
	Jun	21,359	19,339	2,021	0.00%	9.46%
	Jul	19,815	17,956	1,859	0.00%	9.38%
	Aug	21,265	19,121	2,144	0.00%	10.08%
	Sep	22,092	19,812	2,280	0.00%	10.32%
	Oct	21,888	19,639	2,249	0.00%	10.27%
	Nov	21,744	19,833	1,911	0.00%	8.79%
	Dec	22,034	20,023	2,011	0.00%	9.13%
2021	Jan	21,126	18,822	2,304	0.00%	10.91%
	Feb	20,946	18,742	2,204	0.00%	10.52%
	Mar	20,525	18,407	2,119	0.00%	10.32%
	Apr	22,783	20,433	2,350	0.00%	10.32%
	May	22,769	20,364	2,405	0.00%	10.56%
	Jun	22,130	19,841	2,289	0.00%	10.34%
	Jul	20,545	18,423	2,123	0.00%	10.33%
	Aug	21,818	19,618	2,200	0.00%	10.08%
	Sep	22,667	20,327	2,339	0.00%	10.32%
	Oct	22,457	20,150	2,307	0.00%	10.27%
	Nov	22,309	20,349	1,960	0.00%	8.79%
	Dec	22,607	20,543	2,063	0.00%	9.13%
2022	Jan	21,675	19,311	2,364	0.00%	10.91%
	Feb	21,491	19,230	2,261	0.00%	10.52%
	Mar	21,059	18,885	2,174	0.00%	10.32%
	Apr	23,375	20,964	2,411	0.00%	10.32%

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	May	23,361	20,894	2,467	0.00%	10.56%
	Jun	22,706	20,357	2,348	0.00%	10.34%
	Jul	21,079	18,902	2,178	0.00%	10.33%
	Aug	22,385	20,128	2,257	0.00%	10.08%
	Sep	23,256	20,856	2,400	0.00%	10.32%
	Oct	23,041	20,674	2,367	0.00%	10.27%
	Nov	22,889	20,878	2,011	0.00%	8.79%
	Dec	23,195	21,078	2,117	0.00%	9.13%
2023	Jan	22,239	19,813	2,426	0.00%	10.91%
	Feb	22,049	19,730	2,320	0.00%	10.52%
	Mar	21,607	19,376	2,230	0.00%	10.32%
	Apr	23,983	21,509	2,474	0.00%	10.32%
	May	23,665	21,437	2,228	0.00%	9.42%
	Jun	22,926	20,887	2,039	0.00%	8.90%
	Jul	21,318	19,393	1,925	0.00%	9.03%
	Aug	22,735	20,651	2,084	0.00%	9.17%
	Sep	23,564	21,398	2,166	0.00%	9.19%
	Oct	23,325	21,211	2,114	0.00%	9.06%
	Nov	23,248	21,421	1,827	0.00%	7.86%
	Dec	23,798	21,626	2,172	0.00%	9.13%
2024	Jan	22,817	20,328	2,489	0.00%	10.91%
	Feb	22,623	20,243	2,380	0.00%	10.52%
	Mar	22,168	19,880	2,288	0.00%	10.32%
	Apr	23,989	21,450	2,538	0.00%	10.58%
	May	23,889	21,291	2,597	0.00%	10.87%
	Jun	23,902	21,430	2,472	0.00%	10.34%
	Jul	22,190	19,897	2,293	0.00%	10.33%
	Aug	23,564	21,188	2,376	0.00%	10.08%
	Sep	23,889	21,362	2,527	0.00%	10.58%
	Oct	23,889	21,397	2,492	0.00%	10.43%
	Nov	23,889	21,771	2,117	0.00%	8.86%
	Dec	23,889	21,660	2,228	0.00%	9.33%
2025	Jan	23,410	20,857	2,554	0.00%	10.91%
	Feb	23,211	20,769	2,442	0.00%	10.52%
	Mar	22,745	20,397	2,348	0.00%	10.32%
	Apr	23,889	21,284	2,604	0.00%	10.90%
	May	23,889	21,224	2,665	0.00%	11.16%
	Jun	23,889	21,352	2,536	0.00%	10.62%
	Jul	22,767	20,415	2,352	0.00%	10.33%
	Aug	23,889	21,450	2,438	0.00%	10.21%
	Sep	23,889	21,296	2,592	0.00%	10.85%
	Oct	23,889	21,332	2,556	0.00%	10.70%
	Nov	23,889	21,716	2,172	0.00%	9.09%
	Dec	23,889	21,602	2,286	0.00%	9.57%
2026	Jan	23,889	21,269	2,620	0.00%	10.97%
	Feb	23,814	21,309	2,505	0.00%	10.52%
	Mar	23,336	20,927	2,409	0.00%	10.32%

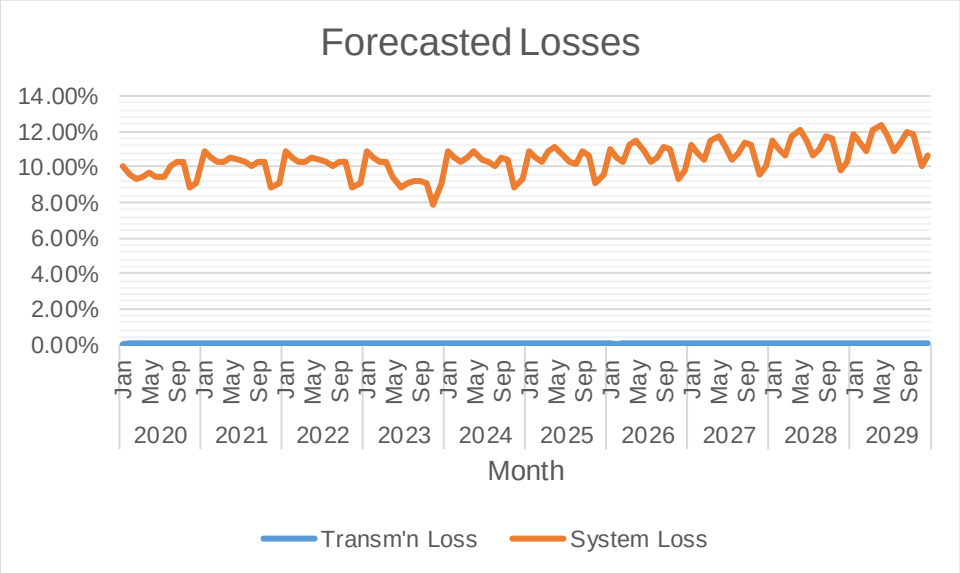
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Apr	23,889	21,216	2,672	0.00%	11.19%
	May	23,889	21,155	2,734	0.00%	11.45%
	Jun	23,889	21,286	2,602	0.00%	10.89%
	Jul	23,359	20,945	2,413	0.00%	10.33%
	Aug	23,889	21,387	2,502	0.00%	10.47%
	Sep	23,889	21,229	2,660	0.00%	11.13%
	Oct	23,889	21,266	2,623	0.00%	10.98%
	Nov	23,889	21,660	2,229	0.00%	9.33%
	Dec	23,889	21,543	2,346	0.00%	9.82%
2027	Jan	23,889	21,200	2,688	0.00%	11.25%
	Feb	23,889	21,318	2,571	0.00%	10.76%
	Mar	23,889	21,417	2,471	0.00%	10.34%
	Apr	23,889	21,147	2,742	0.00%	11.48%
	May	23,889	21,083	2,805	0.00%	11.74%
	Jun	23,889	21,219	2,670	0.00%	11.18%
	Jul	23,889	21,413	2,476	0.00%	10.36%
	Aug	23,889	21,322	2,567	0.00%	10.74%
	Sep	23,889	21,160	2,729	0.00%	11.42%
	Oct	23,889	21,198	2,691	0.00%	11.27%
	Nov	23,889	21,602	2,287	0.00%	9.57%
	Dec	23,889	21,482	2,407	0.00%	10.08%
2028	Jan	23,889	21,131	2,758	0.00%	11.55%
	Feb	23,889	21,251	2,637	0.00%	11.04%
	Mar	23,889	21,353	2,536	0.00%	10.61%
	Apr	23,889	21,076	2,813	0.00%	11.77%
	May	23,889	21,010	2,878	0.00%	12.05%
	Jun	23,889	21,149	2,739	0.00%	11.47%
	Jul	23,889	21,348	2,540	0.00%	10.63%
	Aug	23,889	21,255	2,633	0.00%	11.02%
	Sep	23,889	21,089	2,800	0.00%	11.72%
	Oct	23,889	21,128	2,761	0.00%	11.56%
	Nov	23,889	21,543	2,346	0.00%	9.82%
	Dec	23,889	21,419	2,469	0.00%	10.34%
2029	Jan	23,889	21,059	2,830	0.00%	11.85%
	Feb	23,889	21,183	2,706	0.00%	11.33%
	Mar	23,889	21,287	2,601	0.00%	10.89%
	Apr	23,889	21,003	2,886	0.00%	12.08%
	May	23,889	20,936	2,953	0.00%	12.36%
	Jun	23,889	21,078	2,811	0.00%	11.77%
	Jul	23,889	21,282	2,606	0.00%	10.91%
	Aug	23,889	21,187	2,702	0.00%	11.31%
	Sep	23,889	21,016	2,873	0.00%	12.03%
	Oct	23,889	21,056	2,833	0.00%	11.86%
	Nov	23,889	21,482	2,407	0.00%	10.08%
	Dec	23,889	21,355	2,534	0.00%	10.61%

MWh Offtake was forecasted using moving average method. The assumed load factor is 60%.

System Loss was calculated through a Load Flow Study conducted monthly by Technical Services Department 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 3% annually.



Transmission Loss is expected to range from 0.0% to 0.1% while System Loss is expected to range from 9% to 12%.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2014-121 RC	Base	Sarangani Energy Corporation	10.00	79,200	10/10/2019	10/9/2044
2013-036 RC	Base	Therma South, Inc.	10.00	79,200	9/18/2015	9/17/2040
2015-048 RC	Base	FDC Misamis Power Corporation	5.00	43,800	8/26/2016	8/25/2031
2016-065RC	Base	San Miguel Consolidated Power Corporation	10.00	79,200	7/26/2017	7/25/2027
2014-011RC	Base	GN Power Kauswagan Ltd.	5.00	37,680	6/26/2019	6/25/2039
2017-067RC	Intermediate	Power Sector Assets and Liabilities Management Corporation	5.35	25,408	12/26/2017	12/25/2020

The PSA with Sarangani Energy Corporation filed with ERC under Case No. 2014-121 RC was procured through DU Bidding Procedures. It was selected to provide for base requirements due to only available power supply at that time. Historically, the utilization of the PSA is 80%. Outages of the plant led to unserved energy of around 7920 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 4.376 P/kWh to 5.576 P/KWh in the same period.

The PSA with Therma South, Inc. filed with ERC under Case No. 2013-036 RC was procured through DU Bidding Procedures. It was selected to provide for base requirements due to only available power supply at that time. Historically, the utilization of the PSA is 90%. Outages of the plant led to unserved energy of around 15840 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 5.22 P/kWh to 5.42 P/KWh in the same period.

The PSA with FDC Misamis Power Corporation filed with ERC under Case No. 2015-048 RC was procured through DU Bidding Procedures. It was selected to provide for base requirements due to only available power supply at that time. Historically, the utilization of the PSA is 90%. Outages of the plant led to unserved energy of around 4380 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 5.3 P/kWh to 5.5 P/KWh in the same period.

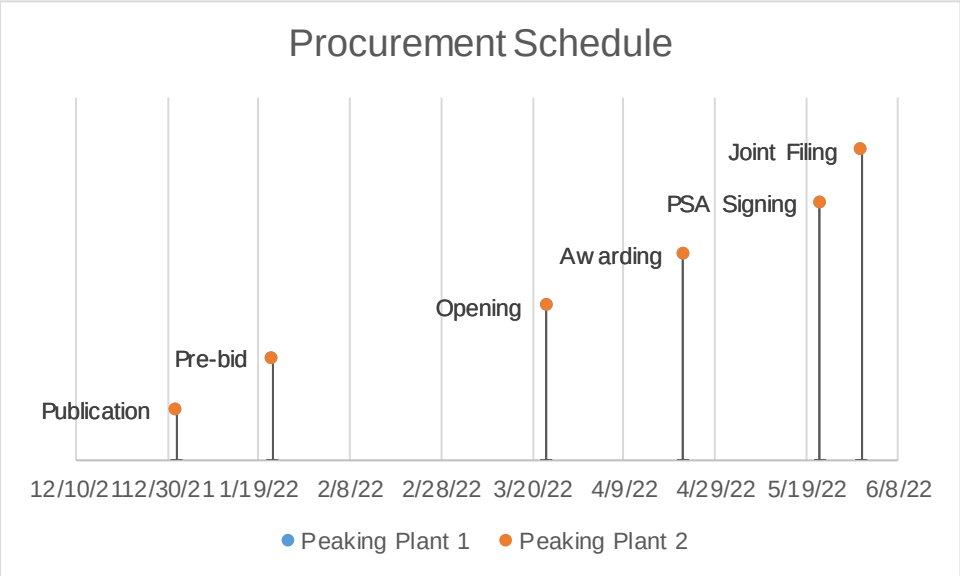
The PSA with San Miguel Consolidated Power Corporation filed with ERC under Case No. 2016-065 RC was procured through DU Bidding Procedures. It was selected to provide for base requirements due to only available power supply at that time. Historically, the utilization of the PSA is 90%. Outages of the plant led to unserved energy of around 7920 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 4.36 P/kWh to 4.84 P/KWh in the same period.

The PSA with GN Power Kauswagan Ltd. filed with ERC under Case No. 2014-011 RC was procured through DU Bidding Procedures. It was selected to provide for base requirements due to only available power supply at that time. Historically, the utilization of the PSA is 90%. Outages of the plant led to unserved energy of around 3768 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 4.0407 P/kWh to 4.2407 P/KWh in the same period.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2017-067RC	Intermediate	Power Sector Assets and Liabilities Management Corporation	8.00	24,508	12/26/2021	12/25/2022

The PSA with PSALM filed with ERC under Case No. 2017-067 was procured through request for extension of CSEE and request to DOE for exemption for CSP. It was selected to provide for intermediate requirements due to sudden increase or decrease of demand. Historically, the utilization of the PSA is 60%. Outages of the plant led to unserved energy of around 3 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 0.9 P/kWh to 1.0 P/KWh in the same period.

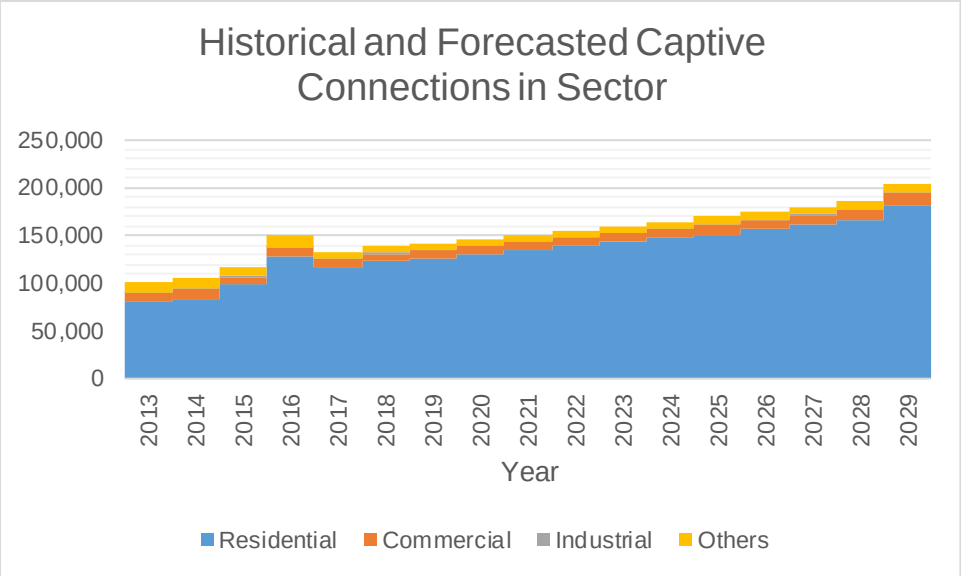
	Peaking Plant 1	Peaking Plant 2
Type	Peaking	Peaking
Minimum MW	2.00	10.00
Minimum MWh/yr	17,280	86,400
PSA Start	1/1/2023	1/1/2023
PSA End	12/11/2029	12/11/2029
Publication	1/1/2022	1/1/2022
Pre-bid	1/22/2022	1/22/2022
Opening	3/23/2022	3/23/2022
Awarding	4/22/2022	4/22/2022
PSA Signing	5/22/2022	5/22/2022
Joint Filing	5/31/2022	5/31/2022



For the procurement of 2 MW of supply which is planned to be available on January 1, 2023, the first publication or launch of CSP will be on January 1, 2022. Joint filing is planned on May 31, 2022, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 10 MW of supply which is planned to be available on January 1, 2023, the first publication or launch of CSP will be on January 1, 2022. Joint filing is planned on May 31, 2022, or 150 days later, in accordance with DOE's 2018 CSP Policy.

Captive Customer Connections



The number of captive connections is expected to grow at a rate of 3-5% annually. Said customer class is expected to account for 100% of the total consumption.