

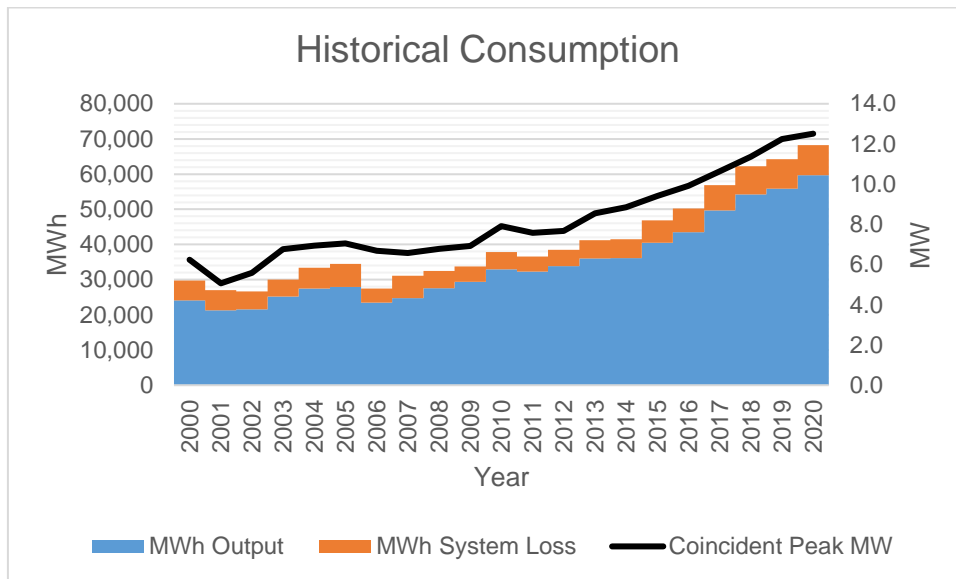
# **Power Supply Procurement Plan Year 2021**

**SORSOGON I ELECTRIC COOPERATIVE, INC. (SORECO I)**

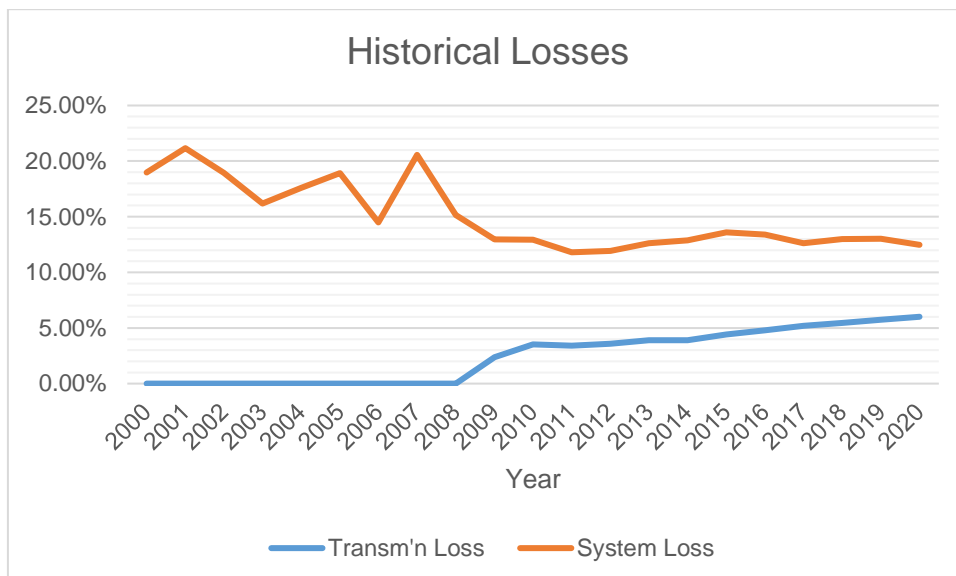
## Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	6.24	29,730	0	29,730	24,092	5,638	54%	0.00%	0.00%	18.97%
2001	5.07	26,999	0	26,999	21,285	5,714	61%	0.00%	0.00%	21.16%
2002	5.59	26,642	0	26,642	21,592	5,050	54%	0.00%	0.00%	18.95%
2003	6.77	30,041	0	30,041	25,180	4,860	51%	0.00%	0.00%	16.18%
2004	6.95	33,391	0	33,391	27,512	5,879	55%	0.00%	0.00%	17.61%
2005	7.05	34,462	0	34,462	27,942	6,520	56%	0.00%	0.00%	18.92%
2006	6.69	27,482	0	27,482	23,503	3,980	47%	0.00%	0.00%	14.48%
2007	6.58	31,141	0	31,141	24,735	6,406	54%	0.00%	0.00%	20.57%
2008	6.78	32,835	2,173	32,504	27,577	4,927	55%	0.00%	1.01%	15.16%
2009	6.92	34,550	2,900	33,728	29,360	4,368	56%	0.00%	2.38%	12.95%
2010	7.91	39,216	9,601	37,838	32,944	4,894	55%	0.00%	3.51%	12.93%
2011	7.58	37,880	2,840	36,593	32,274	4,319	55%	0.00%	3.40%	11.80%
2012	7.67	39,870	-274	38,445	33,860	4,584	57%	0.00%	3.57%	11.92%
2013	8.55	42,906	24,700	41,234	36,036	5,198	55%	0.00%	3.90%	12.61%
2014	8.86	43,137	15,845	41,455	36,119	5,335	53%	0.00%	3.90%	12.87%
2015	9.40	49,070	14,437	46,900	40,517	6,384	57%	0.00%	4.42%	13.61%
2016	9.92	52,778	13,294	50,245	43,509	6,738	58%	0.00%	4.80%	13.41%
2017	10.64	59,933	18,781	56,826	49,659	7,166	61%	0.00%	5.18%	12.61%
2018	11.36	65,872	25,323	62,276	54,193	8,084	63%	0.00%	5.46%	12.98%
2019	12.25	68,199	32,781	64,285	55,911	8,374	60%	0.00%	5.74%	13.03%
2020	12.51	72,591	31,502	68,230	59,715	8,514	62%	0.00%	6.01%	12.48%

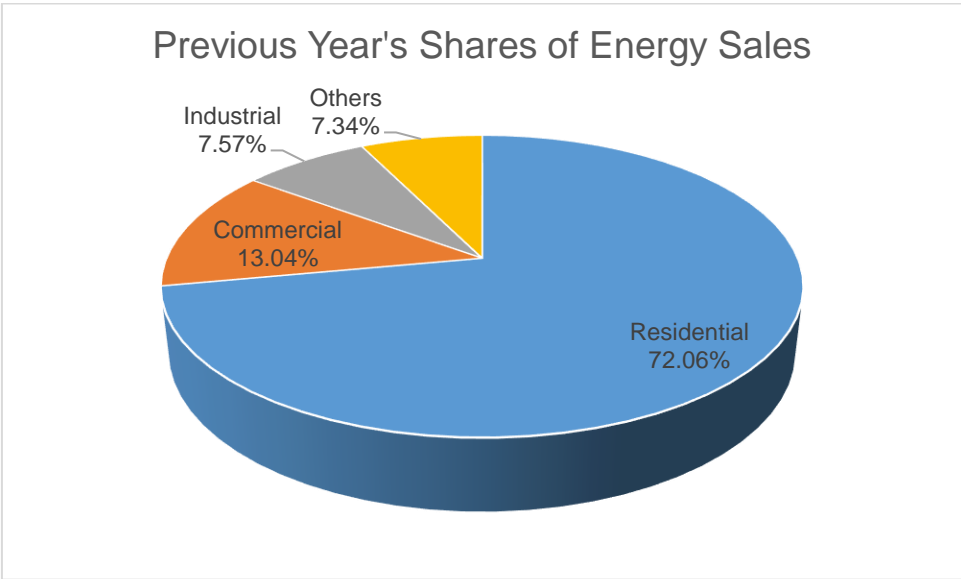
Peak Demand increased from 12.25 MW in 2019 to 12.51 MW in 2020 at a rate of 2.12% only due to the effect of COVID-19 pandemic which is insignificant increase as compared from the previous years. The commercial and industrial consumers are the most affected sectors because many business establishments closed their operations temporarily or permanently. MWh Offtake increased from 68,199 MWh in 2019 to 72,591 MWh in 2020 at a rate of 6.44% due to the fact that residential consumers dominate the coop's users. Within the same period, Load Factor ranged from 60% to 62%. SORECO I joined WESM last June 26, 2008, so prior on the said date, all power purchases were coming from the bilateral contract of the coop's power supplier.



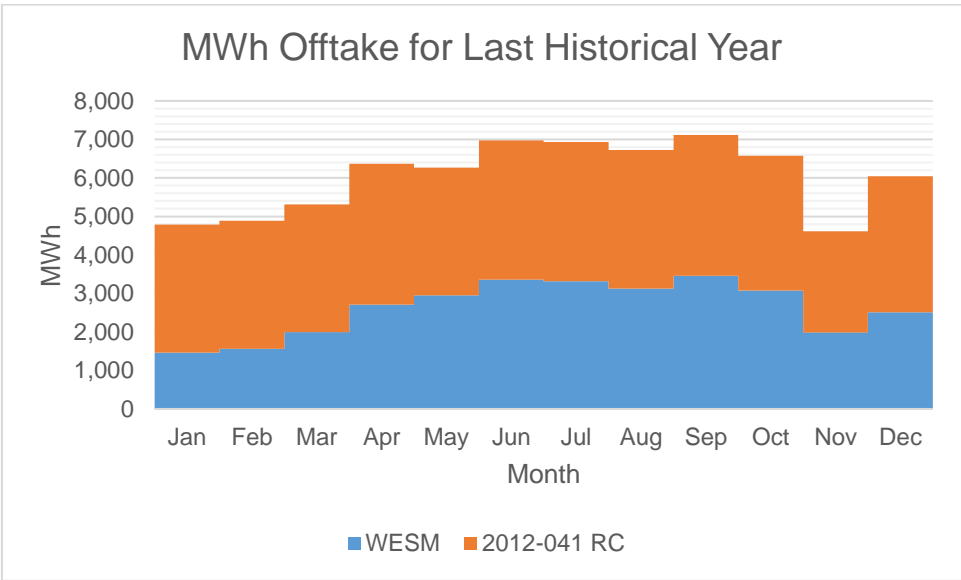
MWh Output increased from year 2019 to year 2020 at a rate of 6.80%, while MWh System Loss decreased at a rate of 3.91% within the same period.



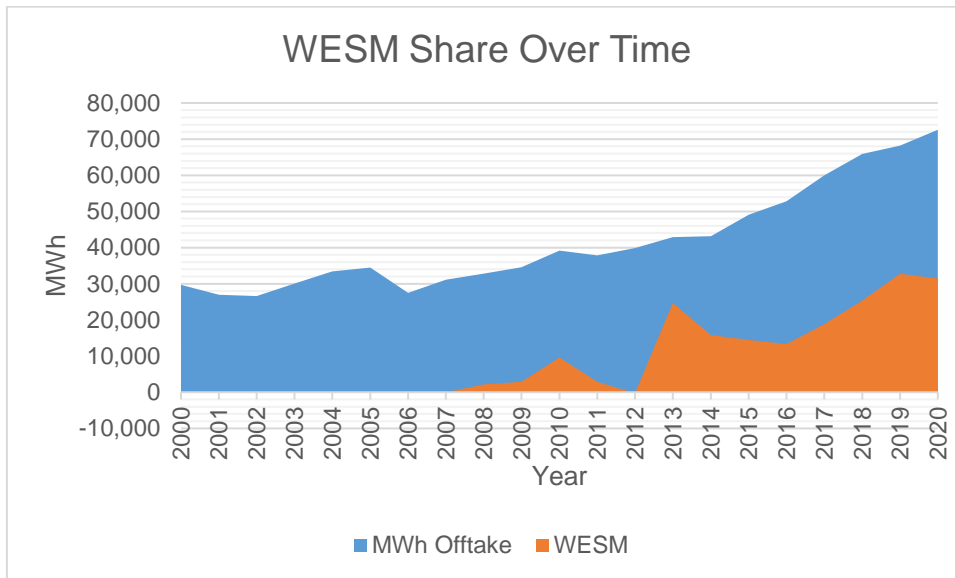
Historically, the overall Transmission Loss ranged from 2% to 6% while the overall System Loss ranged from 12% to 21%. Overall Transmission Loss peaked at 6.01% on year 2020 because of the increase in the demand of the residential consumers despite of the COVID-19 pandemic. Overall System Loss peaked at 11.78% on year 2011 because of intense anti-pilferage campaign aside from the system loss reduction program of the coop.



Residential customers account for the bulk of energy sales at 72.06% due to the large number of connections. In contrast, industrial customers accounted for only 7.57% of energy sales despite of its high demand in MW due to the low number of connections. These figures are expected to change drastically the following years due to rapid growth and development in some coverage areas such as Bulan and Irosin.

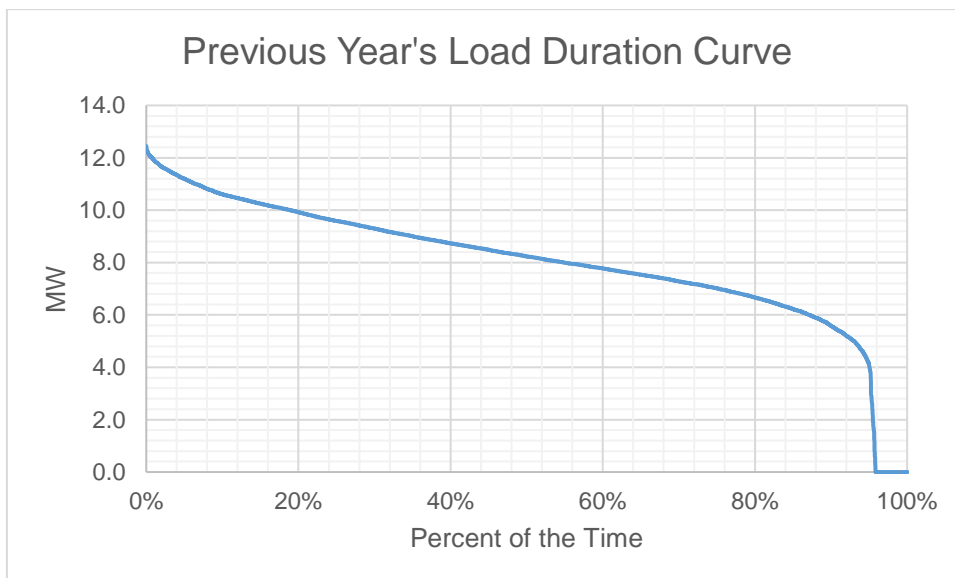


For 2020, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. The PSA with GMCP accounts for the bulk of MWh Offtake. Then the variance MWH from the Offtake to the contracted MWH were taken from the WESM.

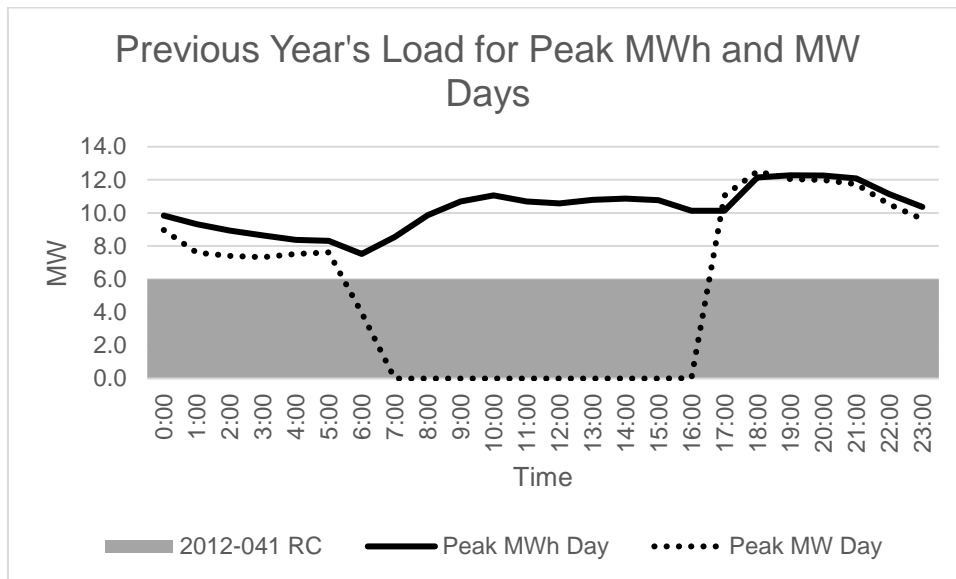


WESM Offtake decreased from 32,781 MWh in 2019 to 31,502 MWh in 2020 at a rate of 3.90% due to force majeure event, typhoons Quinta, Ulysses and Rolly in which the coop was hit by all these typhoons. The share of WESM in the total Offtake ranged from 7.50% to 57.57%. The net WESM transaction is negative in 2012 because at that time SORECO l's energy purchases was managed and aggregated by Trans Asia Oil and Energy Development Corporation (TAO). TAO is a wholesale aggregator which operate on behalf of a group of consumers producing their own electricity by selling the excess electricity they produce.

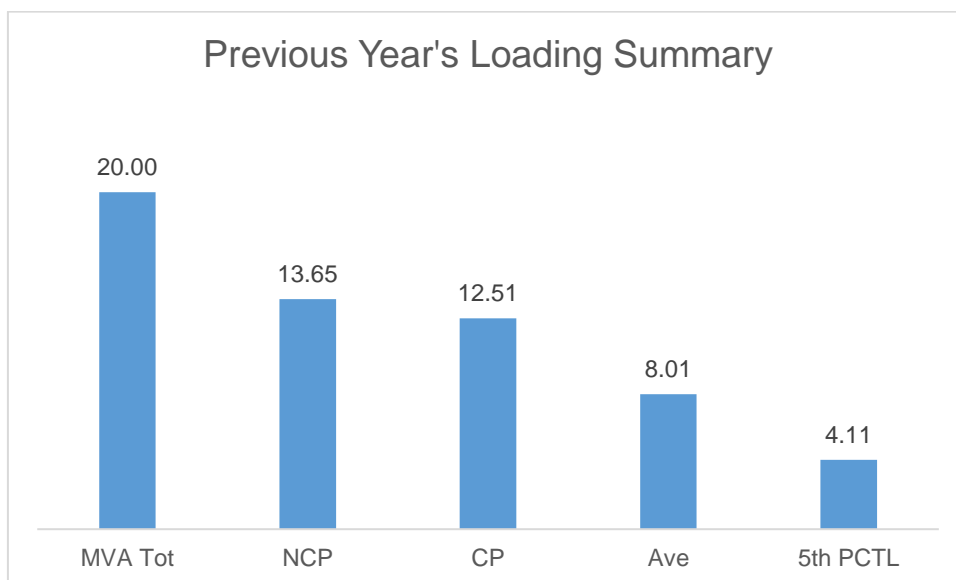
### Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 4.5 MW and the maximum load is 12.51 MW for the last historical year.



Peak MW occurred on evening from 6-9 PM due to fact that majority of the coop's consumers are residential. Peak daily MWh occurred almost the same with Peak MW due to the same reason also. As shown in the Load Curves, the available supply is lower than the Peak Demand. That is why the coop is already in the process of having a competitive selection process for power supply procurement for year 2020-2024. However, the CSP is postponed due to COVID-19 pandemic and hopefully by this year will be continued.



The Non-coincident Peak Demand is 12.51 MW, which is around 62.56% of the total substation capacity of 20 MVA at a power factor of 98.09%. The load factor or the ratio between the Average Load of 8.01 MW and the Non-coincident Peak Demand of 13.65 MW is 63.98%, which indicates that mostly of the coop's consumers are residential. A safe estimate of the true minimum load is the fifth percentile load of 4.11 MW which is 30.11% of the Non-coincident Peak Demand

<b>Metering Point</b>	<b>Substation MVA</b>	<b>Substation Peak MW</b>
MF3MSORSOR101	5	4.428
MF3MSORSOR102	5	3.455
MF3MSORSOR103	10	5.765

Gulang-gulang substation (with metering point: MF3MSORSOR101) is 88.56% loaded. This substation serves Feeders 3 (Irosin) and 4 (Juban-Casiguran). This loading problem will be solved by installing a new substation with 15MVA capacity at Juban district. Magallanes district will be connected to this new substation and be detached from Feeder 1. This will give relief to Lajong substation (with metering: MF3MSORSOR103) which has a very rapid load growth.

# Forecasted Consumption Data

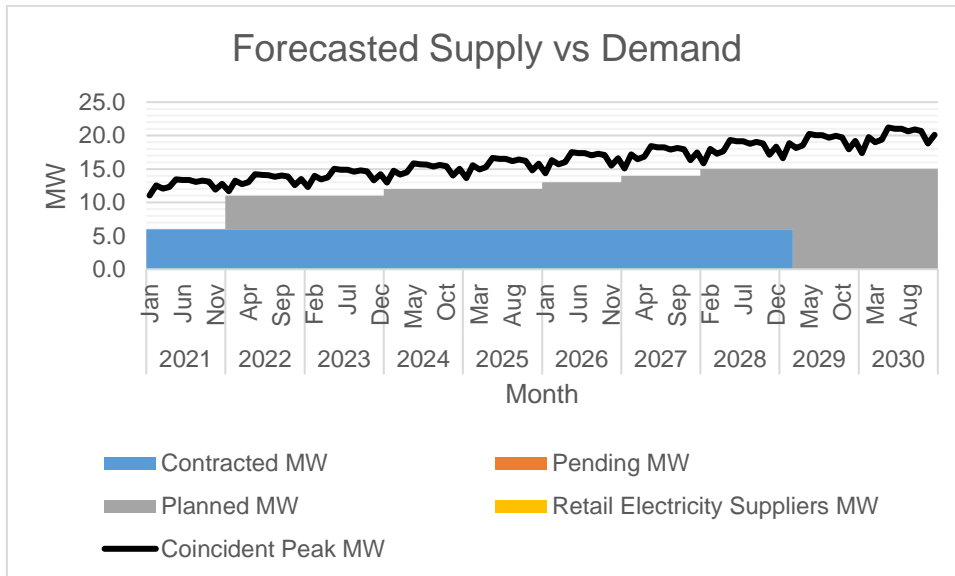
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2021	Jan	11.04	6.00	0.00	0.000		54%	54%	-5.04
	Feb	12.56	6.00	0.00	0.000		48%	48%	-6.56
	Mar	12.05	6.00	0.00	0.000		50%	50%	-6.05
	Apr	12.32	6.00	0.00	0.000		49%	49%	-6.32
	May	13.47	6.00	0.00	0.000		45%	45%	-7.47
	Jun	13.35	6.00	0.00	0.000		45%	45%	-7.35
	Jul	13.34	6.00	0.00	0.000		45%	45%	-7.34
	Aug	13.09	6.00	0.00	0.000		46%	46%	-7.09
	Sep	13.28	6.00	0.00	0.000		45%	45%	-7.28
	Oct	13.12	6.00	0.00	0.000		46%	46%	-7.12
	Nov	11.94	6.00	0.00	0.000		50%	50%	-5.94
	Dec	12.77	6.00	0.00	0.000		47%	47%	-6.77
2022	Jan	11.66	6.00	0.00	5.000		51%	94%	-0.66
	Feb	13.27	6.00	0.00	5.000		45%	83%	-2.27
	Mar	12.74	6.00	0.00	5.000		47%	86%	-1.74
	Apr	13.02	6.00	0.00	5.000		46%	84%	-2.02
	May	14.23	6.00	0.00	5.000		42%	77%	-3.23
	Jun	14.11	6.00	0.00	5.000		43%	78%	-3.11
	Jul	14.09	6.00	0.00	5.000		43%	78%	-3.09
	Aug	13.83	6.00	0.00	5.000		43%	80%	-2.83
	Sep	14.03	6.00	0.00	5.000		43%	78%	-3.03
	Oct	13.87	6.00	0.00	5.000		43%	79%	-2.87
	Nov	12.61	6.00	0.00	5.000		48%	87%	-1.61
	Dec	13.49	6.00	0.00	5.000		44%	82%	-2.49
2023	Jan	12.31	6.00	0.00	5.000		49%	89%	-1.31
	Feb	14.00	6.00	0.00	5.000		43%	79%	-3.00
	Mar	13.44	6.00	0.00	5.000		45%	82%	-2.44
	Apr	13.74	6.00	0.00	5.000		44%	80%	-2.74
	May	15.02	6.00	0.00	5.000		40%	73%	-4.02
	Jun	14.89	6.00	0.00	5.000		40%	74%	-3.89
	Jul	14.87	6.00	0.00	5.000		40%	74%	-3.87
	Aug	14.60	6.00	0.00	5.000		41%	75%	-3.60
	Sep	14.81	6.00	0.00	5.000		41%	74%	-3.81
	Oct	14.63	6.00	0.00	5.000		41%	75%	-3.63
	Nov	13.31	6.00	0.00	5.000		45%	83%	-2.31
	Dec	14.24	6.00	0.00	5.000		42%	77%	-3.24
2024	Jan	12.98	6.00	0.00	6.000		46%	92%	-0.98
	Feb	14.76	6.00	0.00	6.000		41%	81%	-2.76
	Mar	14.17	6.00	0.00	6.000		42%	85%	-2.17
	Apr	14.48	6.00	0.00	6.000		41%	83%	-2.48
	May	15.83	6.00	0.00	6.000		38%	76%	-3.83
	Jun	15.69	6.00	0.00	6.000		38%	76%	-3.69
	Jul	15.68	6.00	0.00	6.000		38%	77%	-3.68
	Aug	15.38	6.00	0.00	6.000		39%	78%	-3.38
	Sep	15.61	6.00	0.00	6.000		38%	77%	-3.61



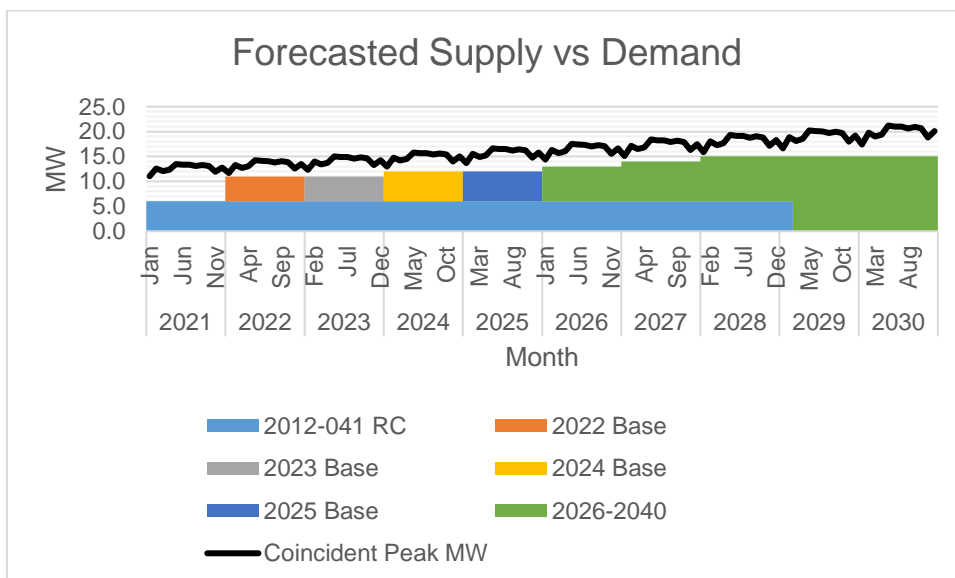
	Oct	15.42	6.00	0.00	6.000		39%	78%	-3.42
	Nov	14.03	6.00	0.00	6.000		43%	86%	-2.03
	Dec	15.01	6.00	0.00	6.000		40%	80%	-3.01
2025	Jan	13.66	6.00	0.00	6.000		44%	88%	-1.66
	Feb	15.54	6.00	0.00	6.000		39%	77%	-3.54
	Mar	14.92	6.00	0.00	6.000		40%	80%	-2.92
	Apr	15.25	6.00	0.00	6.000		39%	79%	-3.25
	May	16.66	6.00	0.00	6.000		36%	72%	-4.66
	Jun	16.52	6.00	0.00	6.000		36%	73%	-4.52
	Jul	16.50	6.00	0.00	6.000		36%	73%	-4.50
	Aug	16.20	6.00	0.00	6.000		37%	74%	-4.20
	Sep	16.43	6.00	0.00	6.000		37%	73%	-4.43
	Oct	16.24	6.00	0.00	6.000		37%	74%	-4.24
	Nov	14.77	6.00	0.00	6.000		41%	81%	-2.77
	Dec	15.80	6.00	0.00	6.000		38%	76%	-3.80
2026	Jan	14.37	6.00	0.00	7.000		42%	90%	-1.37
	Feb	16.34	6.00	0.00	7.000		37%	80%	-3.34
	Mar	15.69	6.00	0.00	7.000		38%	83%	-2.69
	Apr	16.04	6.00	0.00	7.000		37%	81%	-3.04
	May	17.52	6.00	0.00	7.000		34%	74%	-4.52
	Jun	17.37	6.00	0.00	7.000		35%	75%	-4.37
	Jul	17.36	6.00	0.00	7.000		35%	75%	-4.36
	Aug	17.03	6.00	0.00	7.000		35%	76%	-4.03
	Sep	17.28	6.00	0.00	7.000		35%	75%	-4.28
	Oct	17.08	6.00	0.00	7.000		35%	76%	-4.08
	Nov	15.53	6.00	0.00	7.000		39%	84%	-2.53
	Dec	16.62	6.00	0.00	7.000		36%	78%	-3.62
2027	Jan	15.09	6.00	0.00	8.000		40%	93%	-1.09
	Feb	17.16	6.00	0.00	8.000		35%	82%	-3.16
	Mar	16.48	6.00	0.00	8.000		36%	85%	-2.48
	Apr	16.85	6.00	0.00	8.000		36%	83%	-2.85
	May	18.41	6.00	0.00	8.000		33%	76%	-4.41
	Jun	18.25	6.00	0.00	8.000		33%	77%	-4.25
	Jul	18.23	6.00	0.00	8.000		33%	77%	-4.23
	Aug	17.89	6.00	0.00	8.000		34%	78%	-3.89
	Sep	18.15	6.00	0.00	8.000		33%	77%	-4.15
	Oct	17.94	6.00	0.00	8.000		33%	78%	-3.94
	Nov	16.32	6.00	0.00	8.000		37%	86%	-2.32
	Dec	17.46	6.00	0.00	8.000		34%	80%	-3.46
2028	Jan	15.84	6.00	0.00	9.000		38%	95%	-0.84
	Feb	18.01	6.00	0.00	9.000		33%	83%	-3.01
	Mar	17.29	6.00	0.00	9.000		35%	87%	-2.29
	Apr	17.68	6.00	0.00	9.000		34%	85%	-2.68
	May	19.32	6.00	0.00	9.000		31%	78%	-4.32
	Jun	19.15	6.00	0.00	9.000		31%	78%	-4.15
	Jul	19.13	6.00	0.00	9.000		31%	78%	-4.13
	Aug	18.78	6.00	0.00	9.000		32%	80%	-3.78
	Sep	19.05	6.00	0.00	9.000		32%	79%	-4.05
	Oct	18.83	6.00	0.00	9.000		32%	80%	-3.83
	Nov	17.12	6.00	0.00	9.000		35%	88%	-2.12
	Dec	18.32	6.00	0.00	9.000		33%	82%	-3.32

2029	Jan	16.60	6.00	0.00	9.000		36%	90%	-1.60
	Feb	18.88	6.00	0.00	9.000		32%	79%	-3.88
	Mar	18.13	0.00	0.00	15.000		0%	83%	-3.13
	Apr	18.53	0.00	0.00	15.000		0%	81%	-3.53
	May	20.25	0.00	0.00	15.000		0%	74%	-5.25
	Jun	20.08	0.00	0.00	15.000		0%	75%	-5.08
	Jul	20.06	0.00	0.00	15.000		0%	75%	-5.06
	Aug	19.69	0.00	0.00	15.000		0%	76%	-4.69
	Sep	19.97	0.00	0.00	15.000		0%	75%	-4.97
	Oct	19.74	0.00	0.00	15.000		0%	76%	-4.74
	Nov	17.95	0.00	0.00	15.000		0%	84%	-2.95
	Dec	19.20	0.00	0.00	15.000		0%	78%	-4.20
2030	Jan	17.39	0.00	0.00	15.000		0%	86%	-2.39
	Feb	19.78	0.00	0.00	15.000		0%	76%	-4.78
	Mar	18.99	0.00	0.00	15.000		0%	79%	-3.99
	Apr	19.41	0.00	0.00	15.000		0%	77%	-4.41
	May	21.21	0.00	0.00	15.000		0%	71%	-6.21
	Jun	21.03	0.00	0.00	15.000		0%	71%	-6.03
	Jul	21.01	0.00	0.00	15.000		0%	71%	-6.01
	Aug	20.62	0.00	0.00	15.000		0%	73%	-5.62
	Sep	20.91	0.00	0.00	15.000		0%	72%	-5.91
	Oct	20.67	0.00	0.00	15.000		0%	73%	-5.67
	Nov	18.80	0.00	0.00	15.000		0%	80%	-3.80
	Dec	20.11	0.00	0.00	15.000		0%	75%	-5.11

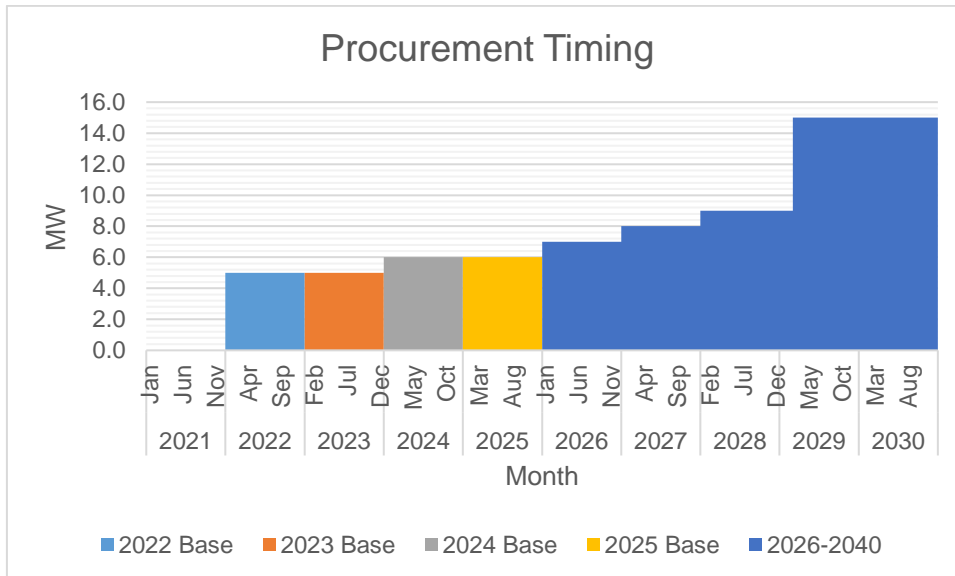
The Peak Demand was forecasted using trending method and was assumed to occur on the month of June due to hot weather condition. Monthly Peak Demand is at its lowest on the month of January due to the cold climate as a result of the Northeast monsoon. In general, Peak Demand is expected to grow at a rate of 5.66% annually.



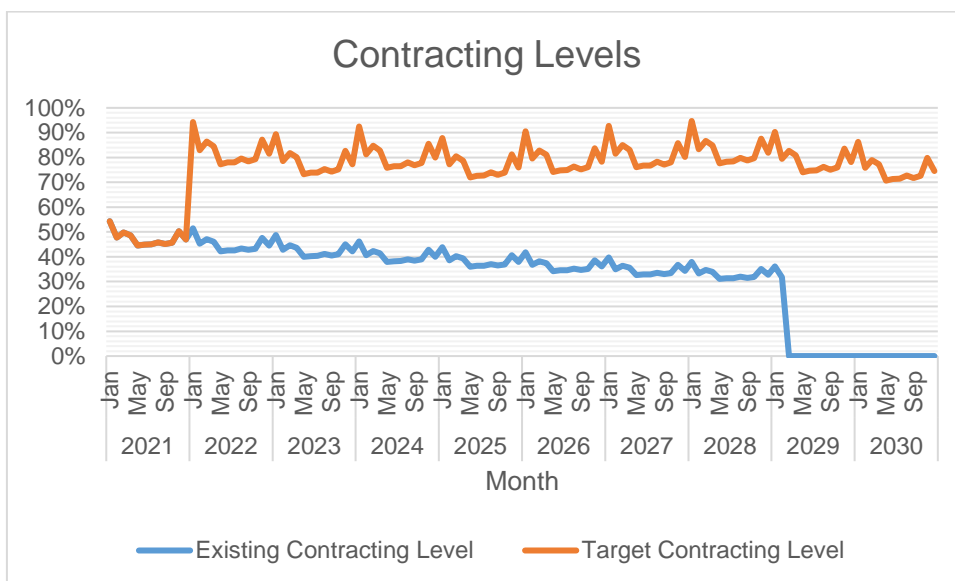
The available supply is generally below the Peak Demand. A Competitive Selection Process (CSP) of power supply procurement is put hold last year due to COVID-19 pandemic but eventually to be continued this year for bidding. Once the said epidemic is controlled by the Health Agency, CSP will continue to progress and start the bidding process for the energy deficiency of the coop



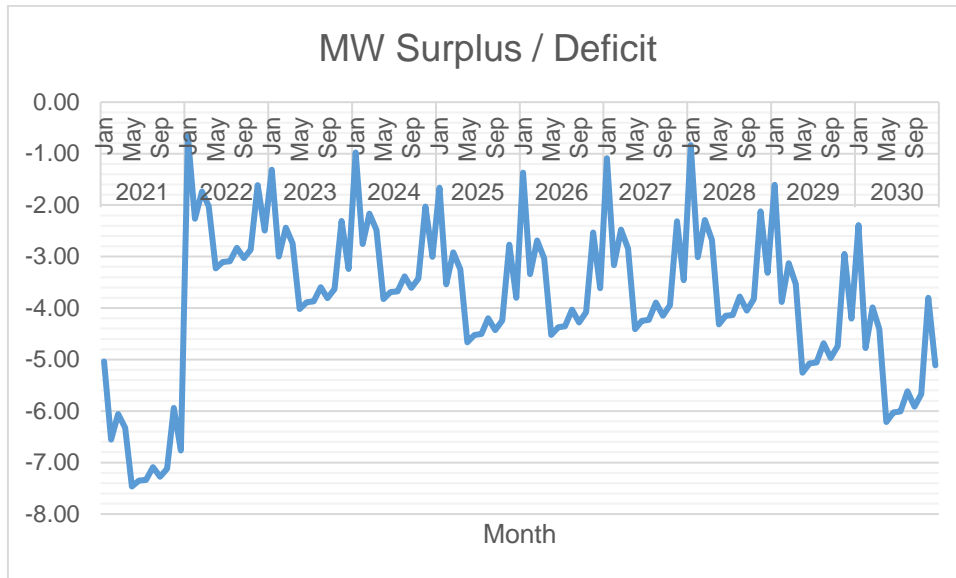
The available supply is only 6 MW from GN Power Mariveles Coal Plant (GMCP). However, when CSP continue after the COVID-19 Pandemic, another generator will be available supplying power/energy to the coop.



The first wave of supply procurement will be for 3 MW planned to be available by the month of March. However, due to COVID-19 pandemic the bidding process was put on hold last year. This is already being continued even if the epidemic is not yet controlled by the Health Agency. This will be followed by 5MW by 2022 - 2023 and 6MW on 2024-2025. Then a long-term power supply contracting will be conducted through Competitive Selection Process starting on 2026-2040



Currently, there is under-contracting by 50%. The highest target contracting level is 100% which is expected to occur on January of 2029



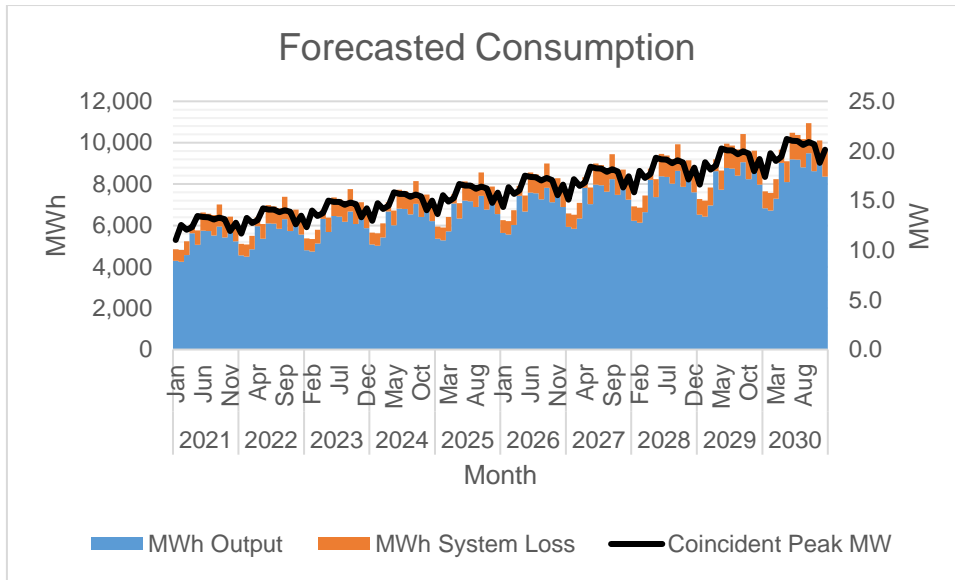
The highest deficit is 7.47 MW which is expected to occur on the month of May.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2021	Jan	5,106	4,291	561	4.97%	11.57%
	Feb	5,077	4,236	586	5.01%	12.16%
	Mar	5,520	4,573	653	5.31%	12.49%
	Apr	6,459	5,623	433	6.26%	7.14%
	May	6,139	5,059	694	6.28%	12.06%
	Jun	7,097	5,749	883	6.56%	13.31%
	Jul	6,968	5,733	832	5.77%	12.67%
	Aug	6,871	5,512	984	5.46%	15.14%
	Sep	7,442	5,948	1,070	5.69%	15.25%
	Oct	6,732	5,414	966	5.23%	15.14%
	Nov	6,806	5,636	782	5.70%	12.19%
	Dec	6,514	5,240	909	5.60%	14.79%
2022	Jan	5,426	4,546	565	5.82%	11.06%
	Feb	5,396	4,487	591	5.92%	11.63%
	Mar	5,824	4,846	658	5.49%	11.95%
	Apr	6,811	5,964	436	6.04%	6.81%
	May	6,482	5,365	699	6.45%	11.52%
	Jun	7,476	6,094	889	6.59%	12.73%
	Jul	7,356	6,078	838	5.98%	12.11%
	Aug	7,293	5,842	990	6.32%	14.49%
	Sep	7,808	6,303	1,077	5.49%	14.60%
	Oct	7,102	5,736	972	5.54%	14.49%
	Nov	7,185	5,973	788	5.90%	11.65%
	Dec	6,837	5,553	915	5.39%	14.15%

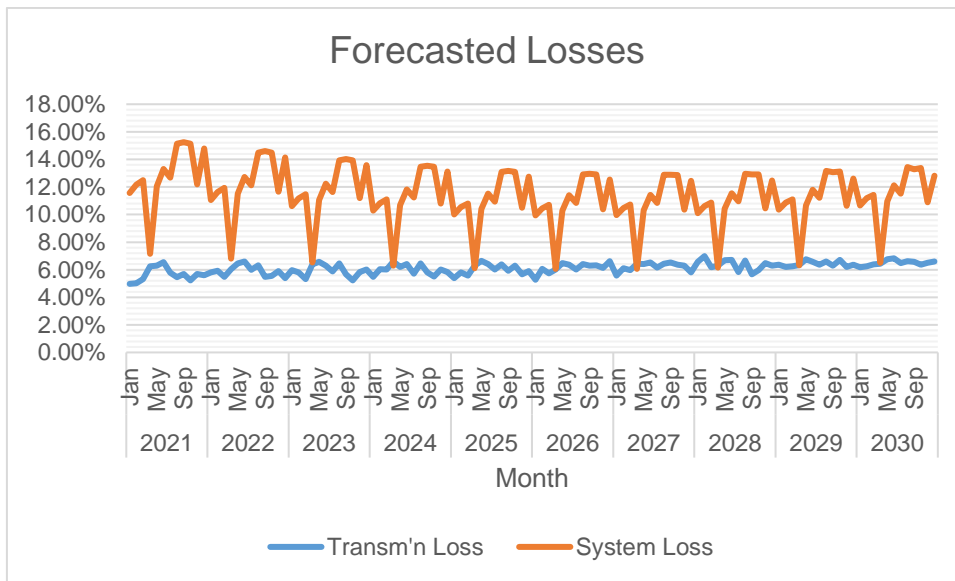
2023	Jan	5,720	4,808	571	5.96%	10.62%
	Feb	5,671	4,744	597	5.82%	11.18%
	Mar	6,118	5,128	665	5.32%	11.48%
	Apr	7,218	6,316	440	6.40%	6.52%
	May	6,837	5,680	706	6.58%	11.06%
	Jun	7,843	6,450	899	6.29%	12.23%
	Jul	7,734	6,433	847	5.88%	11.63%
	Aug	7,678	6,182	1,000	6.46%	13.93%
	Sep	8,221	6,668	1,088	5.67%	14.02%
	Oct	7,439	6,069	982	5.22%	13.93%
	Nov	7,556	6,320	796	5.82%	11.18%
	Dec	7,234	5,875	924	6.01%	13.59%
2024	Jan	5,988	5,078	582	5.49%	10.28%
	Feb	5,979	5,010	607	6.04%	10.81%
	Mar	6,483	5,417	676	6.01%	11.10%
	Apr	7,630	6,678	448	6.60%	6.29%
	May	7,168	6,005	718	6.20%	10.69%
	Jun	8,262	6,817	914	6.42%	11.83%
	Jul	8,124	6,798	861	5.71%	11.24%
	Aug	8,069	6,532	1,016	6.45%	13.46%
	Sep	8,650	7,044	1,104	5.81%	13.55%
	Oct	7,839	6,411	997	5.51%	13.46%
	Nov	7,966	6,678	809	6.01%	10.80%
	Dec	7,587	6,207	937	5.83%	13.12%
2025	Jan	6,291	5,356	596	5.38%	10.01%
	Feb	6,270	5,284	622	5.81%	10.54%
	Mar	6,786	5,716	693	5.56%	10.81%
	Apr	8,016	7,053	459	6.29%	6.12%
	May	7,579	6,340	736	6.64%	10.40%
	Jun	8,690	7,196	937	6.42%	11.52%
	Jul	8,573	7,176	882	6.01%	10.95%
	Aug	8,473	6,893	1,038	6.39%	13.09%
	Sep	9,097	7,432	1,126	5.91%	13.16%
	Oct	8,304	6,764	1,018	6.29%	13.09%
	Nov	8,348	7,048	827	5.66%	10.50%
	Dec	7,976	6,550	956	5.89%	12.74%
2026	Jan	6,608	5,639	622	5.27%	9.93%
	Feb	6,609	5,560	649	6.05%	10.45%
	Mar	7,149	6,018	721	5.73%	10.70%
	Apr	8,416	7,431	479	6.01%	6.06%
	May	7,961	6,678	766	6.49%	10.29%
	Jun	9,136	7,579	975	6.36%	11.40%
	Jul	9,018	7,558	918	6.01%	10.83%
	Aug	8,906	7,259	1,077	6.40%	12.92%
	Sep	9,595	7,826	1,165	6.29%	12.96%
	Oct	8,727	7,120	1,055	6.32%	12.91%
	Nov	8,822	7,422	859	6.13%	10.38%
	Dec	8,443	6,895	988	6.62%	12.54%
2027	Jan	6,971	5,928	656	5.57%	9.96%
	Feb	6,949	5,842	684	6.10%	10.47%
	Mar	7,537	6,326	760	5.98%	10.73%

	Apr	8,896	7,818	505	6.44%	6.07%
	May	8,365	7,023	807	6.40%	10.31%
	Jun	9,627	7,972	1,028	6.52%	11.42%
	Jul	9,499	7,948	967	6.15%	10.85%
	Aug	9,363	7,633	1,128	6.43%	12.88%
	Sep	10,106	8,229	1,216	6.54%	12.88%
	Oct	9,173	7,485	1,104	6.37%	12.85%
	Nov	9,291	7,805	902	6.28%	10.36%
	Dec	8,790	7,249	1,031	5.80%	12.45%
2028	Jan	7,408	6,223	699	6.56%	10.10%
	Feb	7,373	6,130	728	6.99%	10.61%
	Mar	7,942	6,642	809	6.19%	10.86%
	Apr	9,339	8,213	539	6.28%	6.16%
	May	8,824	7,375	859	6.69%	10.43%
	Jun	10,147	8,373	1,094	6.70%	11.55%
	Jul	9,957	8,348	1,028	5.84%	10.97%
	Aug	9,867	8,015	1,193	6.67%	12.96%
	Sep	10,518	8,642	1,281	5.66%	12.91%
	Oct	9,596	7,858	1,166	5.96%	12.92%
	Nov	9,787	8,197	956	6.48%	10.45%
	Dec	9,277	7,610	1,084	6.29%	12.47%
2029	Jan	7,772	6,525	753	6.36%	10.35%
	Feb	7,682	6,423	783	6.20%	10.87%
	Mar	8,354	6,962	870	6.25%	11.11%
	Apr	9,819	8,616	580	6.34%	6.31%
	May	9,282	7,733	923	6.75%	10.66%
	Jun	10,657	8,782	1,176	6.56%	11.81%
	Jul	10,531	8,755	1,105	6.37%	11.21%
	Aug	10,361	8,405	1,274	6.59%	13.16%
	Sep	11,124	9,062	1,362	6.29%	13.07%
	Oct	10,163	8,237	1,243	6.72%	13.11%
	Nov	10,256	8,596	1,024	6.20%	10.64%
	Dec	9,747	7,977	1,151	6.35%	12.61%
2030	Jan	8,153	6,834	815	6.17%	10.65%
	Feb	8,074	6,723	847	6.24%	11.18%
	Mar	8,794	7,291	940	6.40%	11.42%
	Apr	10,323	9,031	628	6.43%	6.50%
	May	9,758	8,100	997	6.76%	10.96%
	Jun	11,242	9,203	1,270	6.84%	12.13%
	Jul	11,085	9,173	1,193	6.48%	11.51%
	Aug	10,894	8,805	1,367	6.63%	13.44%
	Sep	11,719	9,494	1,454	6.57%	13.28%
	Oct	10,635	8,627	1,331	6.36%	13.36%
	Nov	10,809	9,006	1,101	6.49%	10.89%
	Dec	10,257	8,354	1,228	6.59%	12.81%

MWh Offtake was forecasted using trending method. The assumed load factor is 98.09%. System Loss was calculated through a Load Flow Study conducted on 2020 as base year using DSL Segregation software



MWh Output was expected to grow at a rate of 5.36% annually.



Transmission Loss is expected to range from 4.97% to 6.99% while System Loss is expected to range from 15.25% to 6.06%.

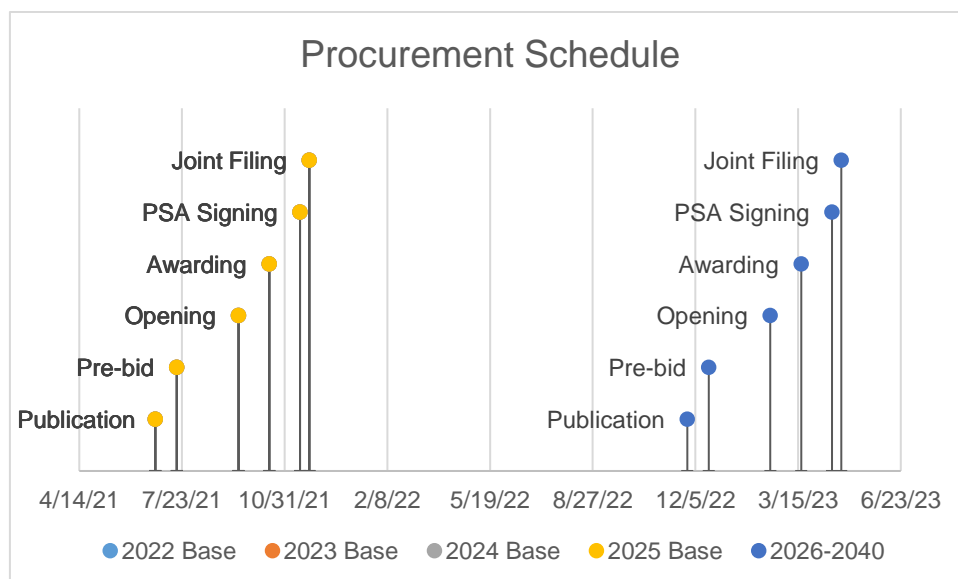


# Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2012-041 RC	Base	GN Power Mariveles Coal Plant Ltd.	3	34,164	2/26/2014	2/25/2029

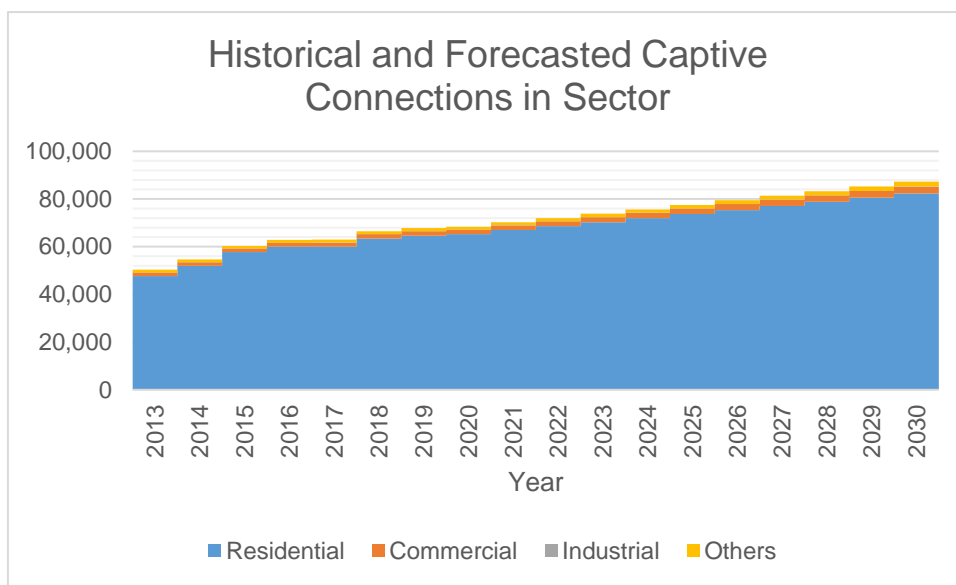
The PSA with GMCP filed with ERC under Case No. 2012-041RC was procured through bidding. It was selected to provide for base requirements due to the instability of the prices in the WESM. Historically, the utilization of the PSA is 75-92%. Outages of the plant led to unserved energy of around 7,963.62 MWh or 15.15% of the total MWh offtake in the past year. The actual billed overall monthly charge under the PSA ranged from 4.06 P/kWh to 7.19 P/KWh (without VAT) in the same period.

	2022 Base	2023 Base	2024 Base	2025 Base	2026-2040
Type	Base	Base	Base	Base	Base
Minimum MW	3.50	3.50	4.20	4.20	6.00
Minimum MWh/yr	30,240	30,240	36,288	36,288	52,560
PSA Start	12/26/2021	12/26/2022	12/26/2023	12/26/2024	12/26/2025
PSA End	12/25/2022	12/25/2023	12/25/2024	12/25/2025	12/26/2040
Publication	6/27/2021	6/27/2021	6/27/2021	6/27/2021	11/27/2022
Pre-bid	7/18/2021	7/18/2021	7/18/2021	7/18/2021	12/18/2022
Opening	9/16/2021	9/16/2021	9/16/2021	9/16/2021	2/16/2023
Awarding	10/16/2021	10/16/2021	10/16/2021	10/16/2021	3/18/2023
PSA Signing	11/15/2021	11/15/2021	11/15/2021	11/15/2021	4/17/2023
Joint Filing	11/24/2021	11/24/2021	11/24/2021	11/24/2021	4/26/2023



For the procurement of 4 MW of supply which is planned to be available on year 2022, the first publication or launch of CSP was on March 17, 2020 however it was put on hold last year due to COVID-19 pandemic and was resumed this year. However, there are some modifications in the schedule since the R1+CAR+S1 aggregation team saw that the timeline for this year is already tight. The contract period for short term is changed from 2020-2023 to 2022-2025

### Captive Customer Connections



The number of captive connections is expected to grow at an average rate of 2.46% annually. There is no potential Contestable Customers in the coverage area. Thus, the total consumption of the coop is accounted to the captive connections.