

# MISAMIS OCCIDENTAL 1 ELECTRIC COOPERATIVE, INC.



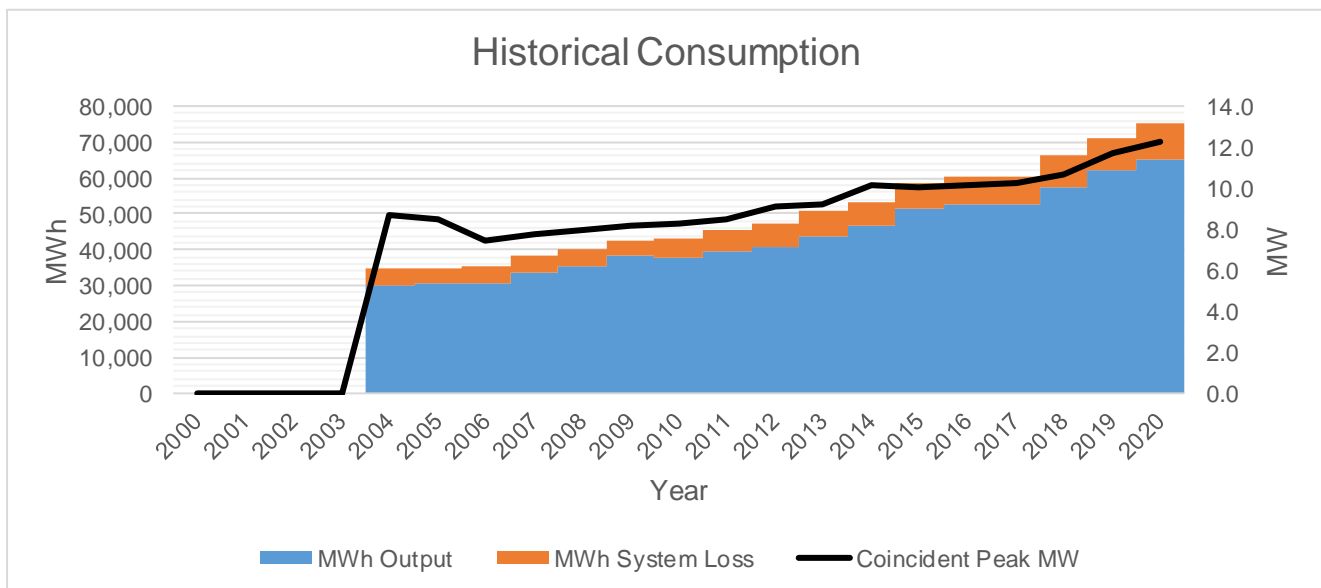
## Power Supply Procurement Plan 2021

**MOELCI-1**

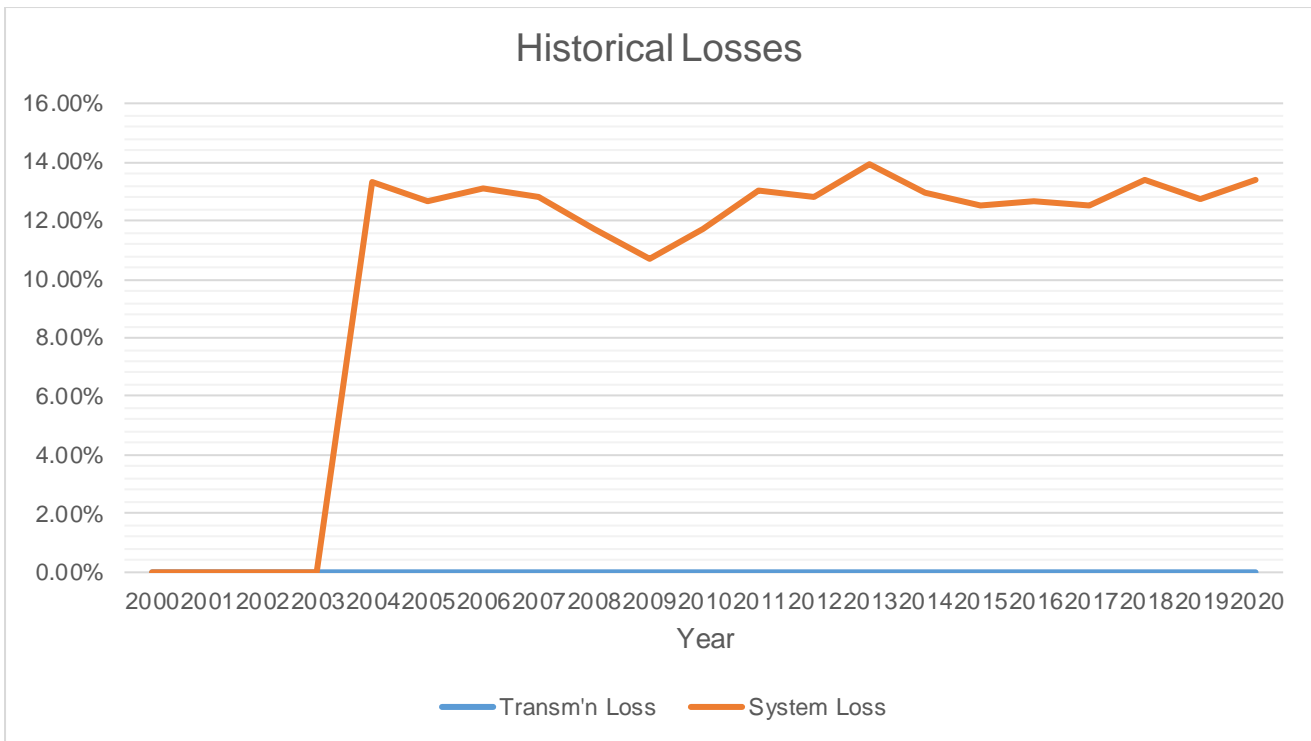
## Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	0.00	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2001	0.00	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2002	0.00	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2003	0.00	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2004	8.71	34,657	0	34,657	30,253	4,605	45%	0.58%	0.00%	13.29%
2005	8.46	34,786	0	34,786	30,590	4,399	47%	0.58%	0.00%	64%
2006	7.40	35,230	0	35,230	30,863	4,621	54%	0.72%	0.00%	13.12%
2007	7.80	38,362	0	38,362	33,689	4,925	56%	0.66%	0.00%	12.84%
2008	8.00	39,685	0	39,685	35,273	4,650	57%	0.60%	0.00%	11.72%
2009	8.15	42,784	0	42,784	38,197	4,587	60%	0.00%	0.00%	10.72%
2010	8.30	43,072	0	43,072	38,013	5,059	59%	0.00%	0.00%	11.75%
2011	8.43	45,466	0	45,466	39,553	5,913	62%	0.00%	0.00%	13.00%
2012	9.11	47,233	0	47,233	40,972	6,048	59%	-0.45%	0.00%	12.80%
2013	9.25	51,154	0	51,154	43,522	7,122	63%	-1.00%	0.00%	13.92%
2014	10.13	50,935	0	50,935	46,480	6,582	57%	4.18%	0.00%	12.92%
2015	10.04	53,048	0	53,048	51,672	6,649	60%	9.94%	0.00%	12.53%
2016	10.15	59,068	0	59,068	52,571	7,485	66%	1.67%	0.00%	12.67%
2017	10.20	59,989	0	59,989	52,572	7,529	67%	0.19%	0.00%	12.55%
2018	10.65	65,668	0	65,668	57,451	8,768	70%	0.84%	0.00%	13.35%
2019	11.73	71,153	0	71,153	62,151	9,074	69%	0.10%	0.00%	12.75%
2020	12.26	76,429	0	75,015	65,141	10,021	70%	0.20%	1.85%	13.36%

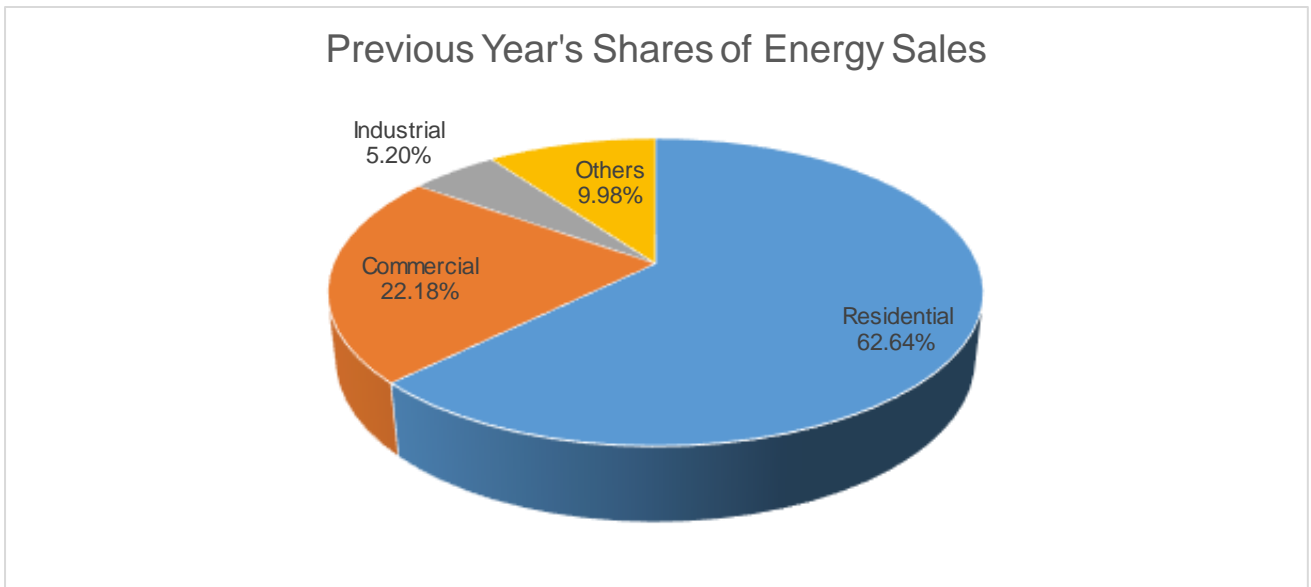
Peak Demand increased from 9.25 MW in 2013 to 12.26 MW in 2020 at a rate of 6.82% average per annum. MWh Offtake increased from 51,154 MWh in 2013 to 75,015 MWh in 2020 at a rate of 6.82%. Within the same period, the Load Factor ranged from 63.21% to 69.25%. There was an abrupt change in consumption in 2020 due to some establishments were closed because of the pandemic situation.



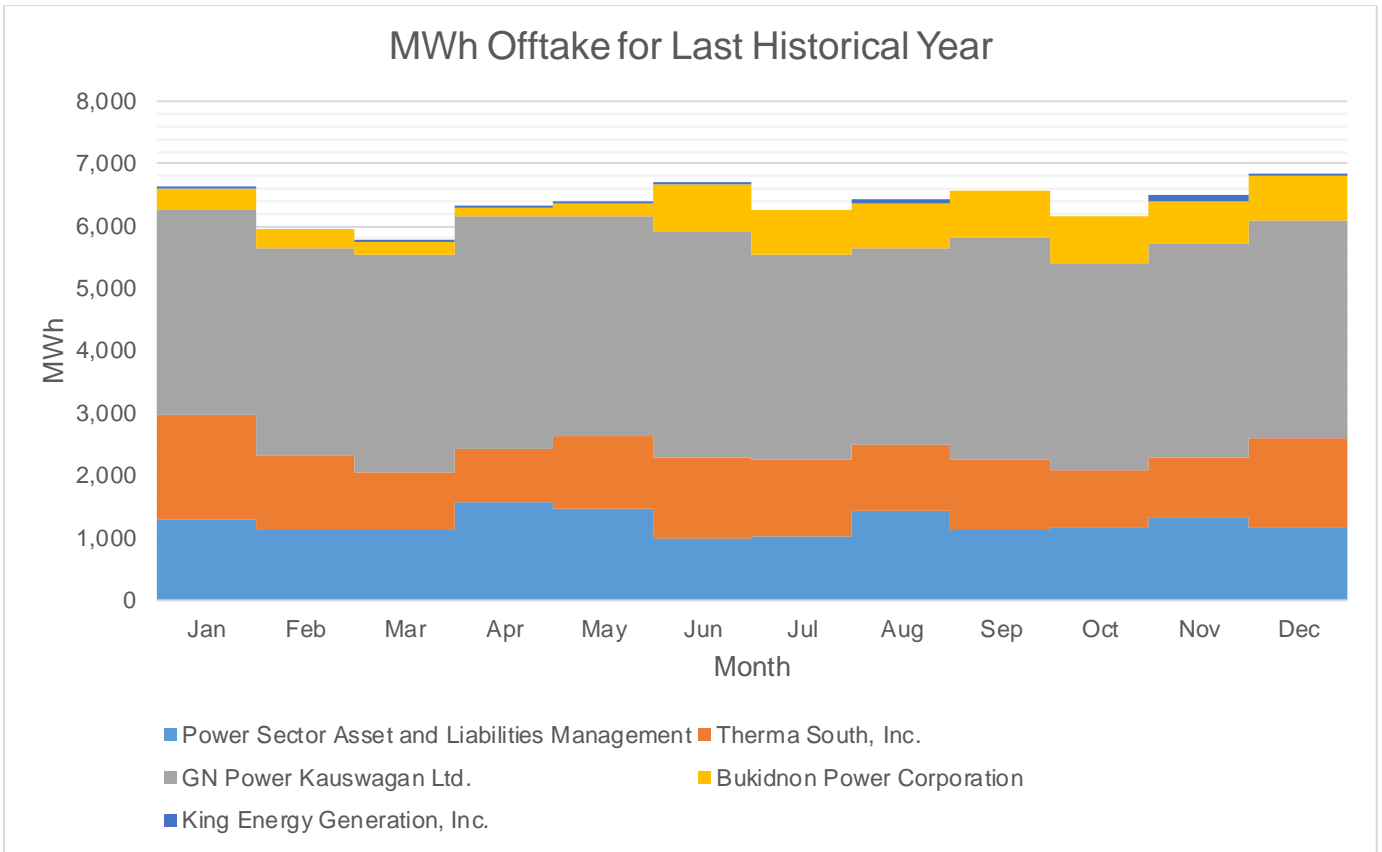
MWh Output increased from the year 2013 to the year 2020 at a rate of 65.20%, while MWh System Loss increased at a rate of 13.36% within the same period.



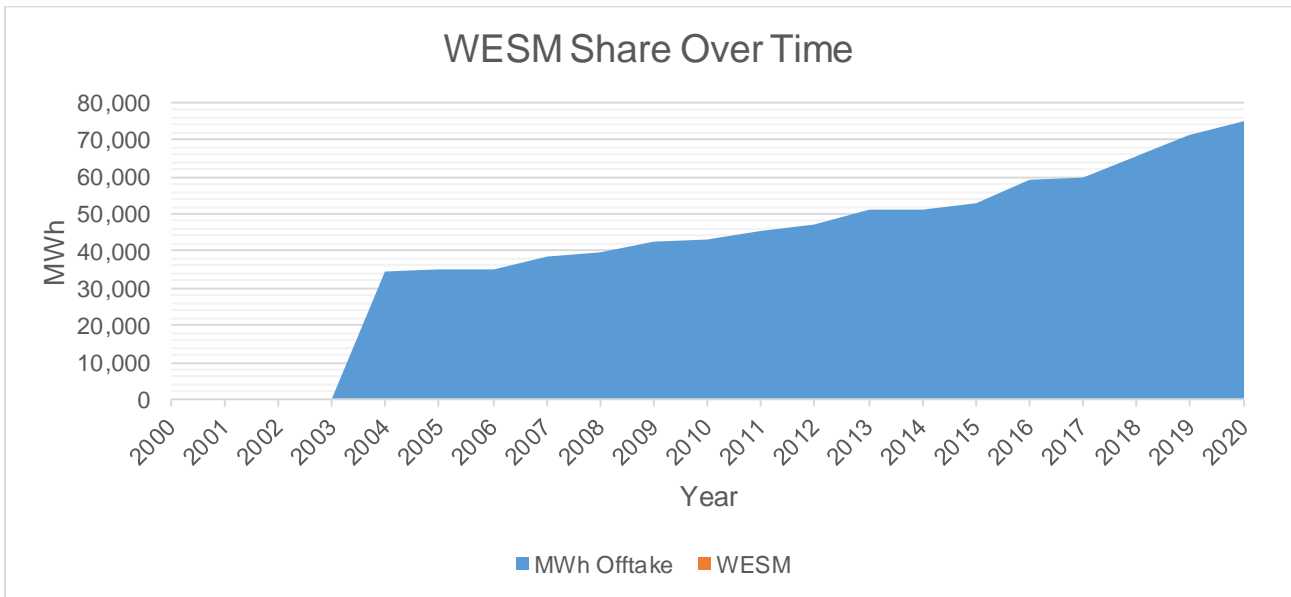
Historically, Transmission Loss ranged from 0% to 4.35% while System Loss ranged from 5% to 13.92%. Transmission Loss peaked at 0% on the year 2018 because of the power situation in Mindanao during that time, the System Loss peaked at reaches to 13.92% in the year 2013 because of power shading and rotational brownout in our area.



Residential customers account for the bulk of energy sales at 62.64% due to the low a number of connections.

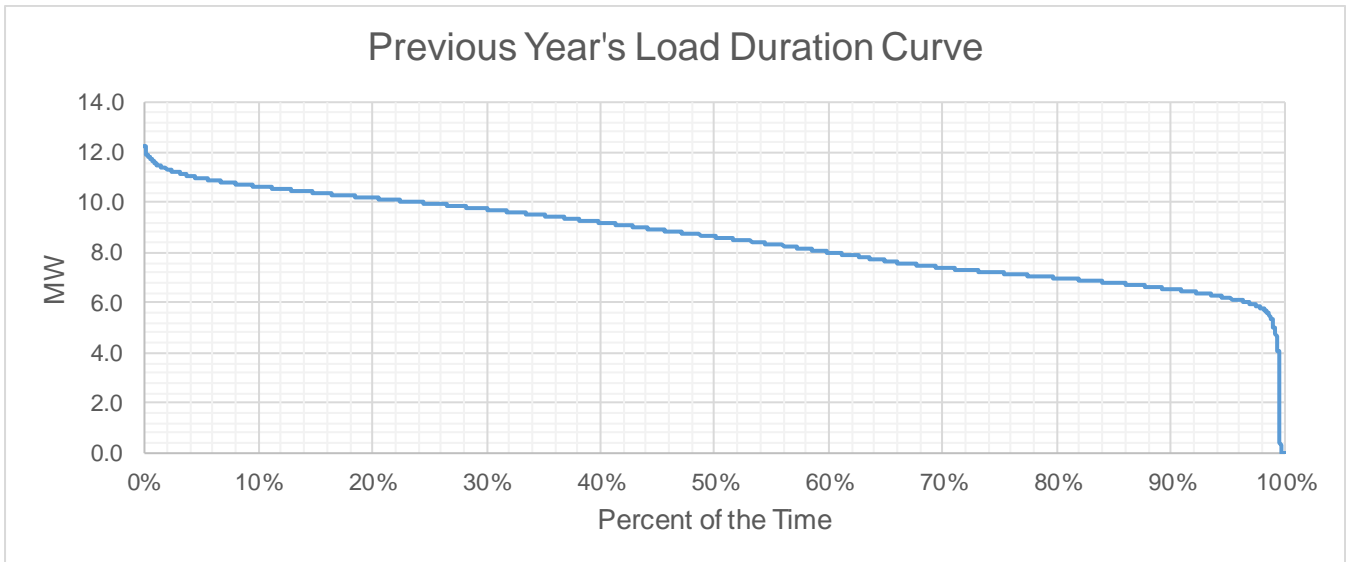


For 2020, the total Offtake for the last historical year is lower than the quantity stipulated in the PSA. The PSA with GN power accounts for the bulk of MWh Offtake.



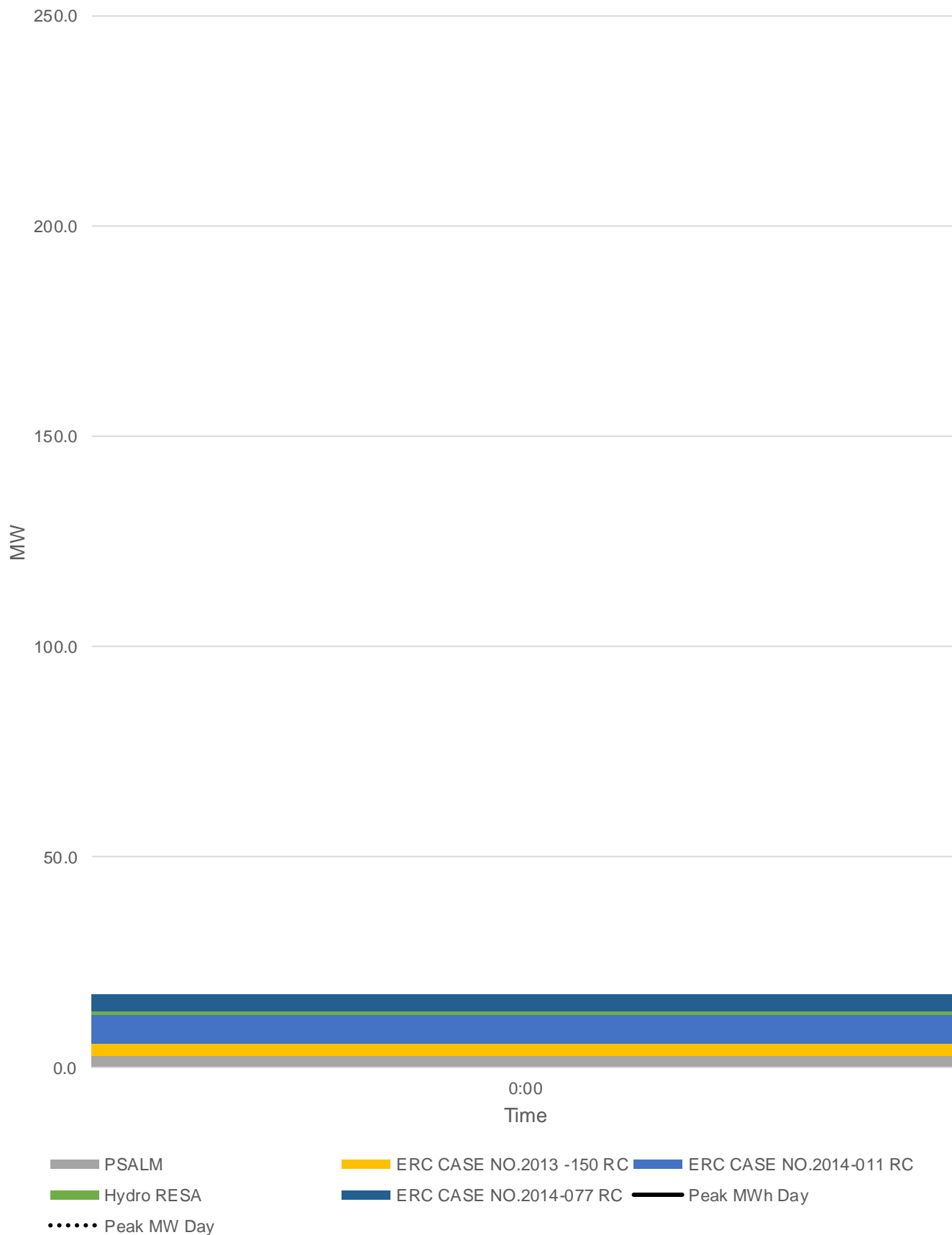
The share of WESM in the total Offtake is zero because WESM in Mindanao is still not operated yet, but soon it will be online hopefully this coming year.

## Previous Year's Load Profile



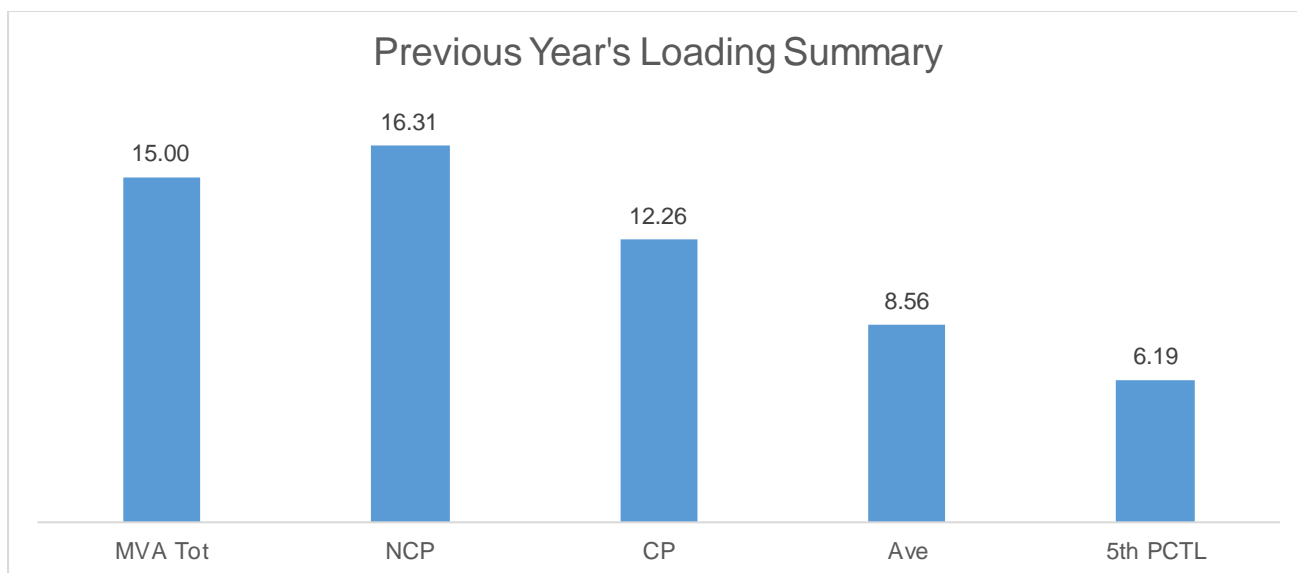
Based on the Load Duration Curve, the minimum load is 5 MW and the maximum load is 12.26 MW for the last historical year.

## Previous Year's Load for Peak MWh and MW Days



Peak MW occurred on 12.4 due to the load consistently occurring. Peak daily MWh occurred in June due to the summer season. As shown in the Load Curves, the available supply is higher than the Peak Demand.

### Previous Year's Loading Summary



The Non-coincident Peak Demand is 17.9 MW, which is around 106.1% of the total substation capacity of 18.75 MVA at a power factor of 95.57%. The load factor or the ratio between the Average Load of 8.56 MW and the Non-coincident Peak Demand is 47.8%. A safe estimate of the true minimum load is the fifth percentile load of 6.19 MW which is 34.58% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
Bunawan Substation	5	5.044
Villaflor Substation	10	11.261

The substations loaded at above 70% are the two (2) substations Bunawan and Villaflor substation. This loading problem will be solved by the end of the year 2021 as soon as the unplanned CAPEX will be approved.

## Forecasted Consumption Data

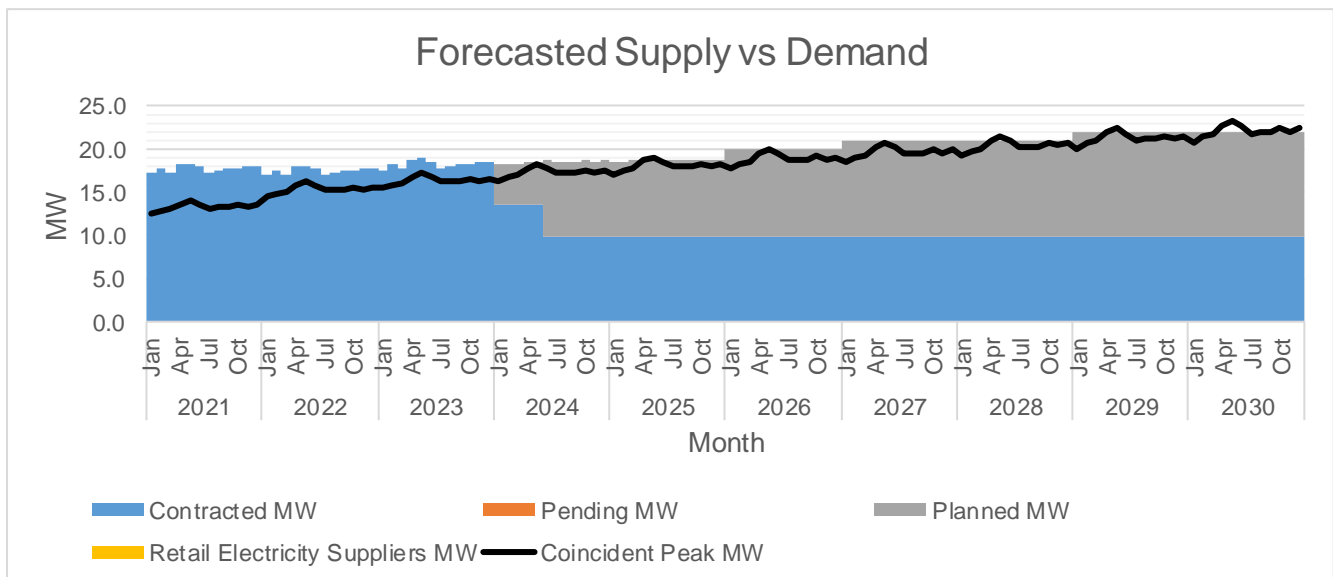
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2021	Jan	12.50	17.17	0.00	0.000		137%	137%	4.67
	Feb	12.84	17.66	0.00	0.000		138%	138%	4.82
	Mar	13.00	17.25	0.00	0.000		133%	133%	4.25
	Apr	13.64	18.15	0.00	0.000		133%	133%	4.51
	May	13.96	18.26	0.00	0.000		131%	131%	4.29
	Jun	13.60	17.99	0.00	0.000		132%	132%	4.40
	Jul	13.10	17.32	0.00	0.000		132%	132%	4.22
	Aug	13.18	17.42	0.00	0.000		132%	132%	4.24
	Sep	13.18	17.70	0.00	0.000		134%	134%	4.52
	Oct	13.42	17.74	0.00	0.000		132%	132%	4.32
	Nov	13.20	17.90	0.00	0.000		136%	136%	4.69
	Dec	13.41	17.92	0.00	0.000		134%	134%	4.51
2022	Jan	14.46	16.86	0.00	0.000		117%	117%	2.40
	Feb	14.86	17.39	0.00	0.000		117%	117%	2.53
	Mar	15.04	16.94	0.00	0.000		113%	113%	1.90
	Apr	15.78	17.91	0.00	0.000		114%	114%	2.13
	May	16.16	18.02	0.00	0.000		112%	112%	1.87
	Jun	15.73	17.74	0.00	0.000		113%	113%	2.01
	Jul	15.16	17.02	0.00	0.000		112%	112%	1.86
	Aug	15.25	17.13	0.00	0.000		112%	112%	1.88
	Sep	15.25	17.43	0.00	0.000		114%	114%	2.18
	Oct	15.53	17.51	0.00	0.000		113%	113%	1.98
	Nov	15.28	17.64	0.00	0.000		115%	115%	2.36
	Dec	15.52	17.66	0.00	0.000		114%	114%	2.14
2023	Jan	15.40	17.60	0.00	0.000		114%	114%	2.20
	Feb	15.83	18.16	0.00	0.000		115%	115%	2.33
	Mar	16.01	17.68	0.00	0.000		110%	110%	1.67
	Apr	16.80	18.72	0.00	0.000		111%	111%	1.92
	May	17.20	18.84	0.00	0.000		110%	110%	1.63
	Jun	16.75	18.54	0.00	0.000		111%	111%	1.79
	Jul	16.14	17.77	0.00	0.000		110%	110%	1.63
	Aug	16.24	17.88	0.00	0.000		110%	110%	1.64
	Sep	16.24	18.20	0.00	0.000		112%	112%	1.96
	Oct	16.54	18.33	0.00	0.000		111%	111%	1.79
	Nov	16.27	18.43	0.00	0.000		113%	113%	2.16
	Dec	16.53	18.46	0.00	0.000		112%	112%	1.93
2024	Jan	16.35	13.59	0.00	4.635		83%	111%	1.88
	Feb	16.80	13.59	0.00	4.680		81%	109%	1.47
	Mar	17.00	13.59	0.00	4.700		80%	108%	1.29
	Apr	17.84	13.59	0.00	4.784		76%	103%	0.53
	May	18.26	13.59	0.00	4.826		74%	101%	0.15
	Jun	17.79	9.83	0.00	8.779		55%	105%	0.82
	Jul	17.14	9.83	0.00	8.714		57%	108%	1.40
	Aug	17.24	9.83	0.00	8.724		57%	108%	1.31
	Sep	17.24	9.83	0.00	8.724		57%	108%	1.31



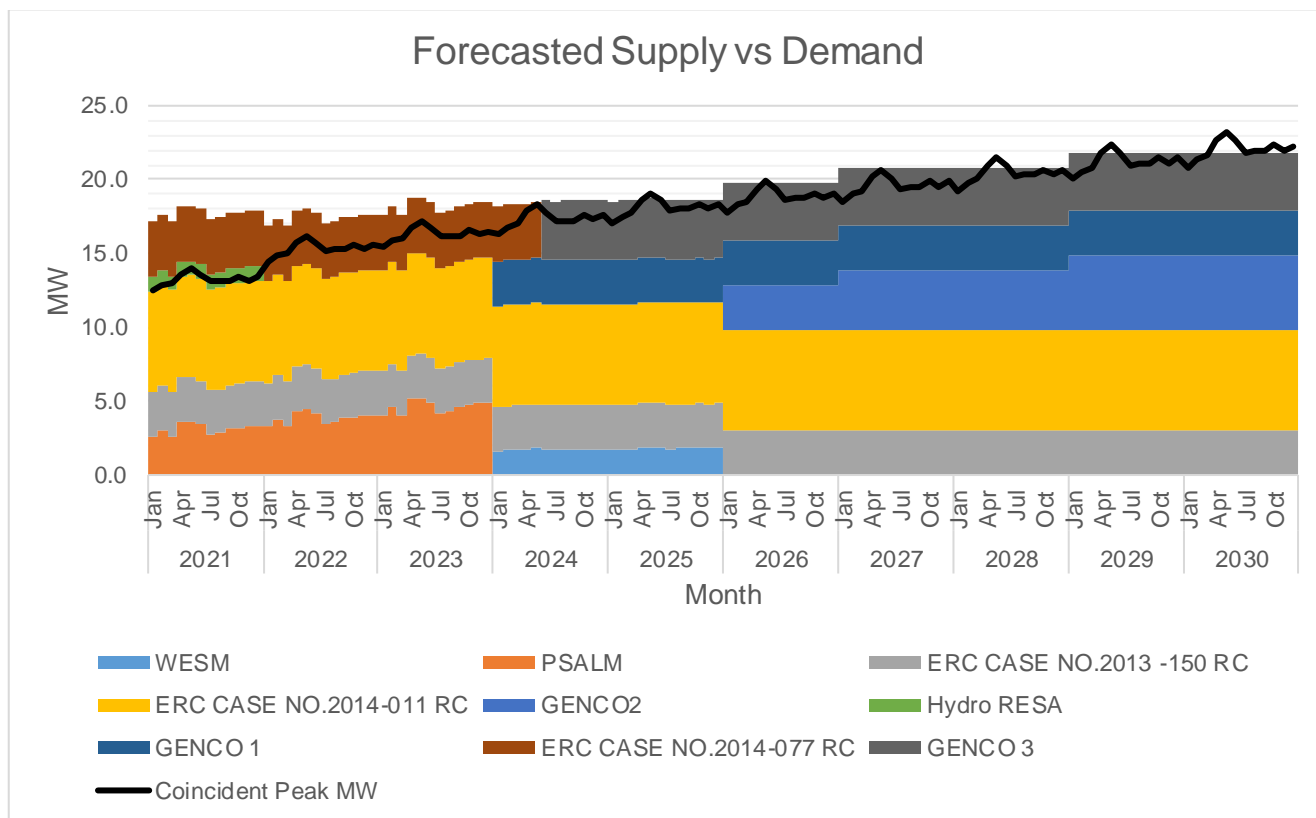
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Oct	17.56	9.83	0.00	8.756		56%	106%	1.03
	Nov	17.27	9.83	0.00	8.727		57%	107%	1.28
	Dec	17.55	9.83	0.00	8.755		56%	106%	1.04
2025	Jan	17.05	9.83	0.00	8.705		58%	109%	1.48
	Feb	17.53	9.83	0.00	8.753		56%	106%	1.06
	Mar	17.73	9.83	0.00	8.773		55%	105%	0.87
	Apr	18.61	9.83	0.00	8.861		53%	100%	0.08
	May	19.05	9.83	0.00	8.905		52%	98%	-0.32
	Jun	18.55	9.83	0.00	8.855		53%	101%	0.13
	Jul	17.88	9.83	0.00	8.788		55%	104%	0.74
	Aug	17.99	9.83	0.00	8.799		55%	104%	0.64
	Sep	17.99	9.83	0.00	8.799		55%	104%	0.64
	Oct	18.32	9.83	0.00	8.832		54%	102%	0.35
	Nov	18.02	9.83	0.00	8.802		55%	103%	0.61
	Dec	18.30	9.83	0.00	8.830		54%	102%	0.36
2026	Jan	17.77	9.83	0.00	10.000		55%	112%	2.06
	Feb	18.27	9.83	0.00	10.000		54%	109%	1.56
	Mar	18.48	9.83	0.00	10.000		53%	107%	1.35
	Apr	19.39	9.83	0.00	10.000		51%	102%	0.44
	May	19.85	9.83	0.00	10.000		50%	100%	-0.02
	Jun	19.33	9.83	0.00	10.000		51%	103%	0.50
	Jul	18.63	9.83	0.00	10.000		53%	106%	1.20
	Aug	18.74	9.83	0.00	10.000		52%	106%	1.09
	Sep	18.74	9.83	0.00	10.000		52%	106%	1.09
	Oct	19.09	9.83	0.00	10.000		51%	104%	0.74
	Nov	18.78	9.83	0.00	10.000		52%	106%	1.05
	Dec	19.08	9.83	0.00	10.000		52%	104%	0.75
2027	Jan	18.50	9.83	0.00	11.000		53%	113%	2.33
	Feb	19.02	9.83	0.00	11.000		52%	110%	1.81
	Mar	19.24	9.83	0.00	11.000		51%	108%	1.59
	Apr	20.19	9.83	0.00	11.000		49%	103%	0.64
	May	20.67	9.83	0.00	11.000		48%	101%	0.16
	Jun	20.13	9.83	0.00	11.000		49%	103%	0.70
	Jul	19.40	9.83	0.00	11.000		51%	107%	1.43
	Aug	19.51	9.83	0.00	11.000		50%	107%	1.32
	Sep	19.52	9.83	0.00	11.000		50%	107%	1.31
	Oct	19.87	9.83	0.00	11.000		49%	105%	0.96
	Nov	19.55	9.83	0.00	11.000		50%	107%	1.28
	Dec	19.86	9.83	0.00	11.000		49%	105%	0.97
2028	Jan	19.25	9.83	0.00	11.000		51%	108%	1.58
	Feb	19.78	9.83	0.00	11.000		50%	105%	1.05
	Mar	20.02	9.83	0.00	11.000		49%	104%	0.81
	Apr	21.00	9.83	0.00	11.000		47%	99%	-0.17
	May	21.50	9.83	0.00	11.000		46%	97%	-0.67
	Jun	20.94	9.83	0.00	11.000		47%	99%	-0.11
	Jul	20.18	9.83	0.00	11.000		49%	103%	0.65
	Aug	20.30	9.83	0.00	11.000		48%	103%	0.53
	Sep	20.30	9.83	0.00	11.000		48%	103%	0.53

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Oct	20.67	9.83	0.00	11.000		48%	101%	0.16
	Nov	20.34	9.83	0.00	11.000		48%	102%	0.49
	Dec	20.66	9.83	0.00	11.000		48%	101%	0.17
2029	Jan	20.01	9.83	0.00	12.000		49%	109%	1.82
	Feb	20.56	9.83	0.00	12.000		48%	106%	1.27
	Mar	20.81	9.83	0.00	12.000		47%	105%	1.02
	Apr	21.83	9.83	0.00	12.000		45%	100%	0.00
	May	22.35	9.83	0.00	12.000		44%	98%	-0.52
	Jun	21.77	9.83	0.00	12.000		45%	100%	0.06
	Jul	20.98	9.83	0.00	12.000		47%	104%	0.85
	Aug	21.10	9.83	0.00	12.000		47%	103%	0.73
	Sep	21.10	9.83	0.00	12.000		47%	103%	0.73
	Oct	21.49	9.83	0.00	12.000		46%	102%	0.34
	Nov	21.14	9.83	0.00	12.000		46%	103%	0.69
	Dec	21.48	9.83	0.00	12.000		46%	102%	0.35
2030	Jan	20.78	9.83	0.00	12.000		47%	105%	1.05
	Feb	21.36	9.83	0.00	12.000		46%	102%	0.47
	Mar	21.61	9.83	0.00	12.000		45%	101%	0.22
	Apr	22.68	9.83	0.00	12.000		43%	96%	-0.85
	May	23.22	9.83	0.00	12.000		42%	94%	-1.39
	Jun	22.61	9.83	0.00	12.000		43%	97%	-0.78
	Jul	21.79	9.83	0.00	12.000		45%	100%	0.04
	Aug	21.92	9.83	0.00	12.000		45%	100%	-0.09
	Sep	21.92	9.83	0.00	12.000		45%	100%	-0.09
	Oct	22.32	9.83	0.00	12.000		44%	98%	-0.49
	Nov	21.96	9.83	0.00	12.000		45%	99%	-0.13
	Dec	22.30	9.83	0.00	12.000		44%	98%	-0.47

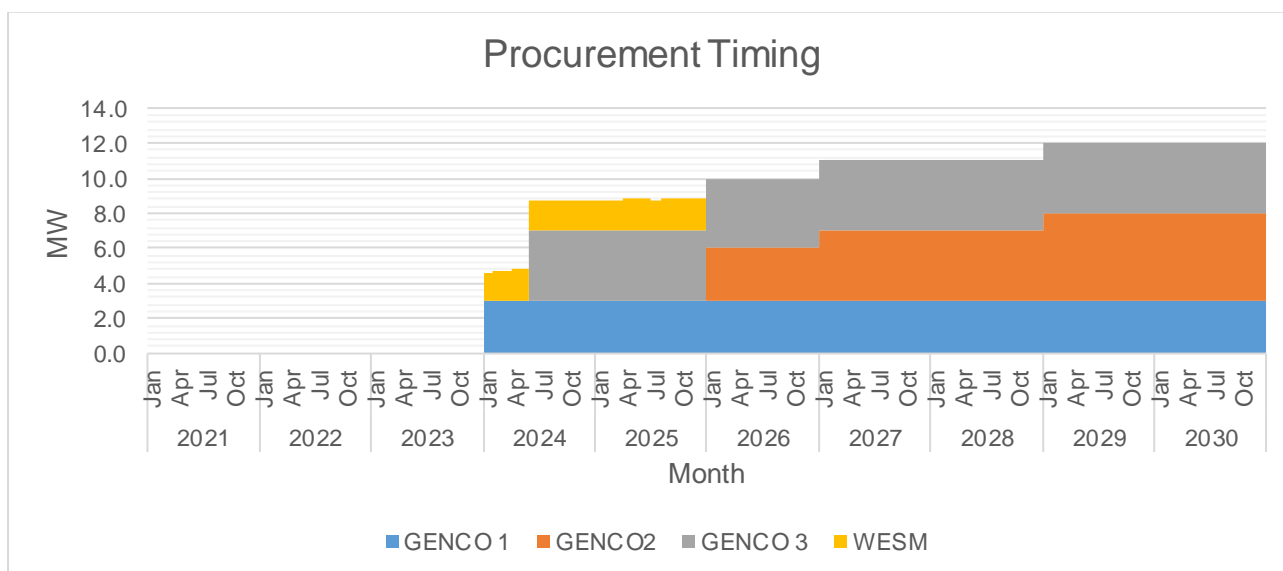
The Peak Demand was forecasted using model no. 10 Quadratic with horizon with two variables and was assumed to occur in May due to the load spikes at summer season. Monthly Peak Demand is at its lowest in January due to some big loads partially shut down. In general, Peak Demand is expected to grow at a rate of 5.49% annually.



The available supply is generally above the Peak Demand. This is because the contract of PSALM Corp. was being renewed for another three (3) years.



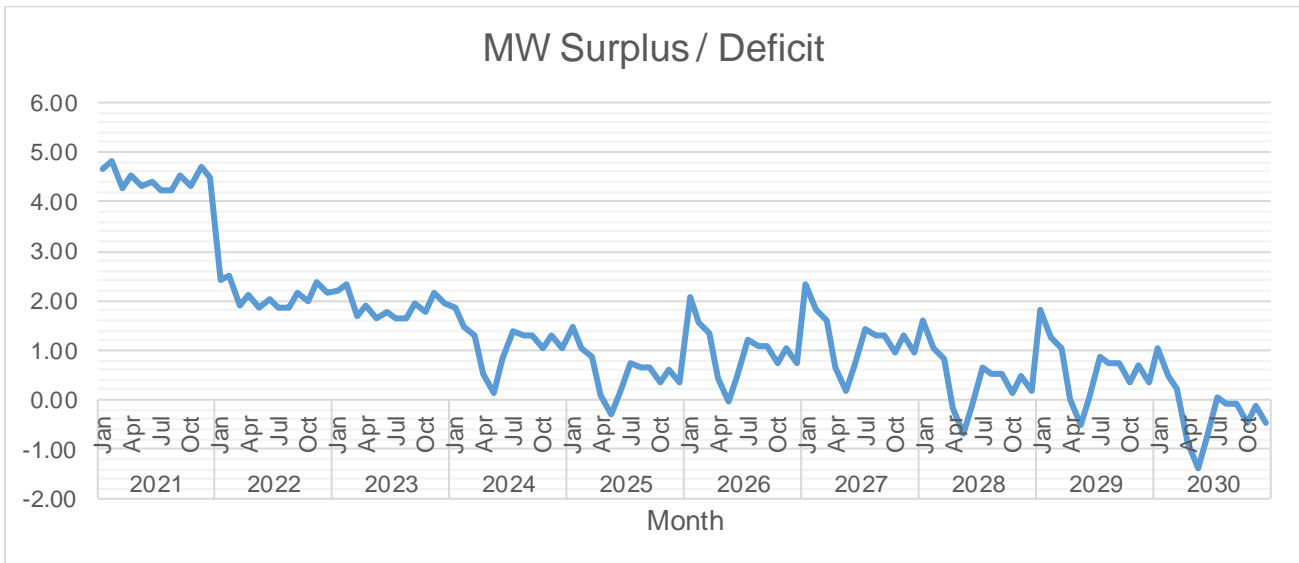
Of the available supply, the largest is 6.83 MW from GN Power (coal power plant). This is followed by 4.63 MW from Psalm.



The first wave of supply procurement will be for 3 MW planned to be available by the month of January 2024 coming from renewable energy just to comply the RPS requirement and this will be followed by 4MW coming from peaking plant.



Currently, there is over-contracting] by 33%. The highest target contracting level is 8% which is expected to occur in January 2026. The lowest target contracting level is 0% which is expected to occur in January 2025.



Currently, there is over-contracting by 4.82 MW. The highest surplus is 4.52 MW which is expected to occur in September 2021. The lowest deficit is 0.67 MW which is expected to occur in May 2028.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2021	Jan	22,214	5,964	85125%	69.32%	12.49%
	Feb	21,717	5,832	83186%	69.31%	12.48%
	Mar	21,363	5,739	81802%	69.31%	12.48%
	Apr	24,072	6,462	92273%	69.32%	12.50%
	May	24,336	6,533	933	69.32%	12.49%
	Jun	23,702	6,362	909	69.33%	12.50%
	Jul	22,494	6,040	862	69.32%	12.49%
	Aug	23,431	6,287	899	69.33%	12.51%
	Sep	23,287	6,249	893	69.33%	12.50%
	Oct	23,719	6,365	910	69.33%	12.50%
	Nov	23,707	6,360	909	69.34%	12.51%
	Dec	23,650	6,343	907	69.34%	12.52%

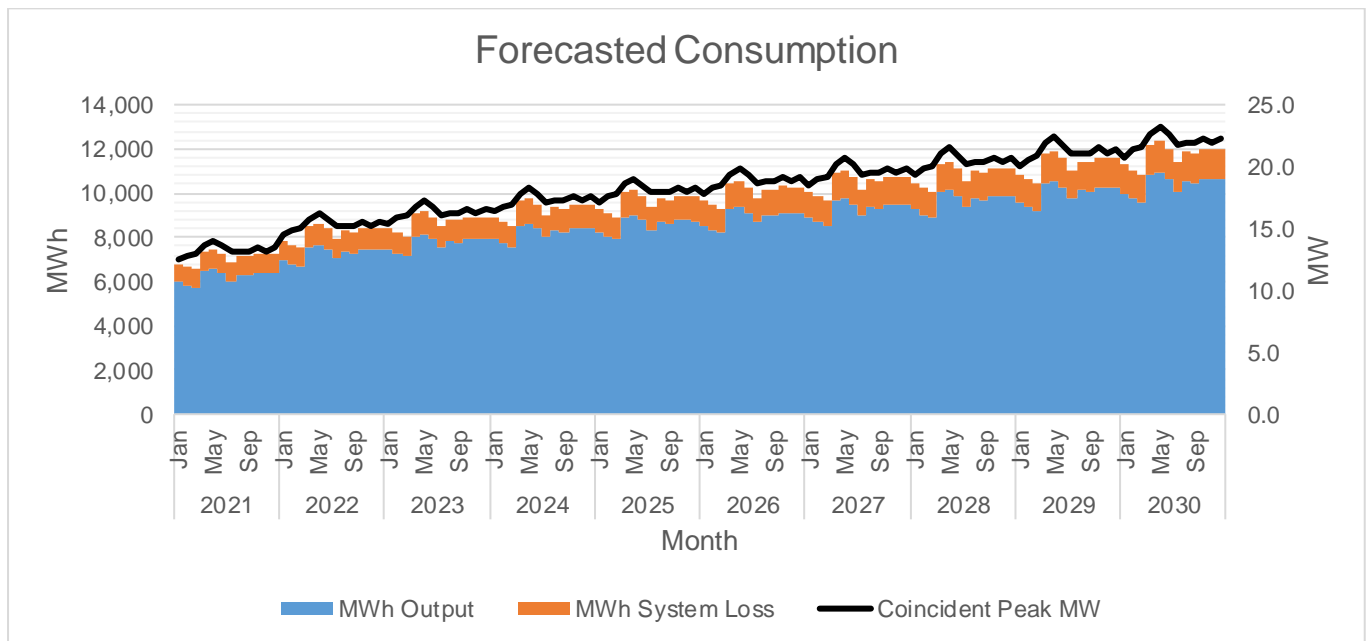
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2022	Jan	25,878	6,965	896	69.62%	11.40%
	Feb	25,291	6,807	876	69.62%	11.40%
	Mar	24,869	6,693	861	69.62%	11.40%
	Apr	28,039	7,545	972	69.63%	11.41%
	May	28,339	7,623	982	69.63%	11.41%
	Jun	27,609	7,428	957	69.63%	11.41%
	Jul	26,196	7,050	908	69.62%	11.41%
	Aug	27,303	7,346	946	69.63%	11.41%
	Sep	27,126	7,297	940	69.63%	11.42%
	Oct	27,629	7,432	958	69.63%	11.42%
	Nov	27,617	7,427	958	69.64%	11.42%
	Dec	27,557	7,410	956	69.64%	11.42%
2023	Jan	27,580	7,426	943	69.66%	11.27%
	Feb	26,956	7,258	921	69.66%	11.27%
	Mar	26,502	7,134	906	69.66%	11.27%
	Apr	29,883	8,043	1,022	69.66%	11.27%
	May	30,204	8,129	1,033	69.67%	11.28%
	Jun	29,424	7,919	1,007	69.67%	11.28%
	Jul	27,917	7,514	955	69.66%	11.27%
	Aug	29,099	7,831	995	69.67%	11.28%
	Sep	28,908	7,778	989	69.67%	11.28%
	Oct	29,446	7,923	1,007	69.67%	11.28%
	Nov	29,428	7,916	1,007	69.68%	11.29%
	Dec	29,370	7,901	1,005	69.68%	11.29%
2024	Jan	29,301	7,891	991	69.69%	11.15%
	Feb	28,636	7,712	968	69.69%	11.15%
	Mar	28,157	7,582	952	69.69%	11.15%
	Apr	31,746	8,547	1,074	69.70%	11.16%
	May	32,087	8,638	1,086	69.70%	11.16%
	Jun	31,262	8,416	1,057	69.70%	11.16%
	Jul	29,661	7,986	1,003	69.69%	11.16%
	Aug	30,915	8,322	1,046	69.70%	11.16%
	Sep	30,714	8,267	1,039	69.70%	11.17%
	Oct	31,284	8,420	1,058	69.70%	11.17%
	Nov	31,271	8,415	1,058	69.71%	11.17%
	Dec	31,205	8,397	1,056	69.71%	11.17%
2025	Jan	30,545	8,224	1,040	69.67%	11.22%
	Feb	29,852	8,037	1,016	69.67%	11.22%
	Mar	29,353	7,902	999	69.68%	11.22%
	Apr	33,094	8,908	1,127	69.68%	11.23%
	May	33,450	9,002	1,139	69.68%	11.23%
	Jun	32,579	8,766	1,110	69.69%	11.24%
	Jul	30,910	8,318	1,053	69.68%	11.23%
	Aug	32,218	8,668	1,098	69.69%	11.24%
	Sep	32,009	8,611	1,091	69.69%	11.24%
	Oct	32,603	8,771	1,111	69.69%	11.24%
	Nov	32,590	8,766	1,111	69.69%	11.24%
	Dec	32,522	8,747	1,108	69.69%	11.24%

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2026	Jan	31,800	8,556	1,090	69.67%	11.30%
	Feb	31,078	8,362	1,065	69.67%	11.30%
	Mar	30,559	8,221	1,047	69.67%	11.30%
	Apr	34,455	9,268	1,181	69.67%	11.31%
	May	34,827	9,367	1,194	69.67%	11.31%
	Jun	33,930	9,126	1,163	69.67%	11.31%
	Jul	32,192	8,660	1,104	69.67%	11.30%
	Aug	33,554	9,024	1,151	69.68%	11.31%
	Sep	33,336	8,965	1,143	69.68%	11.31%
	Oct	33,955	9,131	1,165	69.68%	11.31%
	Nov	33,942	9,127	1,164	69.68%	11.31%
	Dec	33,870	9,107	1,162	69.68%	11.31%
2027	Jan	33,088	8,899	1,141	69.66%	11.37%
	Feb	32,337	8,697	1,115	69.66%	11.37%
	Mar	31,797	8,551	1,097	69.66%	11.37%
	Apr	35,851	9,640	1,237	69.66%	11.37%
	May	36,238	9,743	1,251	69.66%	11.38%
	Jun	35,304	9,493	1,218	69.66%	11.38%
	Jul	33,496	9,007	1,156	69.66%	11.37%
	Aug	34,914	9,387	1,205	69.66%	11.38%
	Sep	34,687	9,325	1,197	69.66%	11.38%
	Oct	35,331	9,498	1,220	69.66%	11.38%
	Nov	35,317	9,493	1,219	69.67%	11.38%
	Dec	35,243	9,473	1,217	69.67%	11.38%
2028	Jan	34,397	9,249	1,194	69.64%	11.44%
	Feb	33,616	9,039	1,167	69.64%	11.43%
	Mar	33,055	8,887	1,148	69.64%	11.44%
	Apr	37,270	10,019	1,294	69.64%	11.44%
	May	37,672	10,126	1,309	69.65%	11.44%
	Jun	36,701	9,866	1,275	69.65%	11.44%
	Jul	34,821	9,361	1,209	69.64%	11.44%
	Aug	36,295	9,756	1,261	69.65%	11.44%
	Sep	36,060	9,692	1,253	69.65%	11.45%
	Oct	36,729	9,871	1,276	69.65%	11.45%
	Nov	36,715	9,867	1,276	69.65%	11.45%
	Dec	36,639	9,846	1,273	69.65%	11.45%
2029	Jan	35,731	9,604	1,248	69.63%	11.50%
	Feb	34,919	9,386	1,220	69.63%	11.50%
	Mar	34,336	9,228	1,200	69.63%	11.50%
	Apr	38,715	10,404	1,353	69.63%	11.51%
	May	39,133	10,516	1,368	69.63%	11.51%
	Jun	38,125	10,245	1,333	69.63%	11.51%
	Jul	36,171	9,721	1,264	69.63%	11.51%
	Aug	37,703	10,131	1,318	69.63%	11.51%
	Sep	37,459	10,065	1,309	69.64%	11.51%
	Oct	38,154	10,251	1,334	69.64%	11.51%
	Nov	38,140	10,246	1,333	69.64%	11.52%
	Dec	38,060	10,224	1,331	69.64%	11.52%

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2030	Jan	37,086	9,965	1,304	69.61%	11.57%
	Feb	36,243	9,739	1,274	69.61%	11.57%
	Mar	35,638	9,576	1,253	69.62%	11.57%
	Apr	40,184	10,796	1,413	69.62%	11.57%
	May	40,618	10,912	1,429	69.62%	11.58%
	Jun	39,571	10,631	1,392	69.62%	11.58%
	Jul	37,543	10,087	1,320	69.62%	11.57%
	Aug	39,134	10,513	1,376	69.62%	11.58%
	Sep	38,880	10,444	1,368	69.62%	11.58%
	Oct	39,602	10,637	1,393	69.62%	11.58%
	Nov	39,587	10,632	1,393	69.62%	11.58%
	Dec	39,505	10,610	1,390	69.63%	11.58%

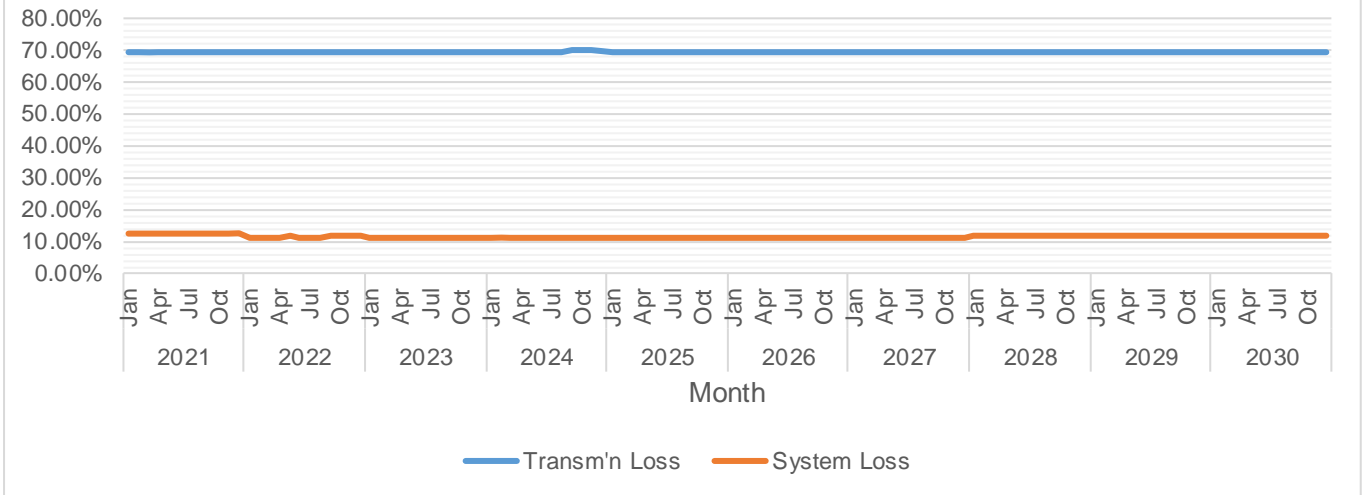
MWh Offtake was forecasted using the Quadratic method with two (2) variables. The assumed load factor is 68.74%.

System Loss was calculated through a Load Flow Study conducted on February 2021 by TWG using Jaed 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 5.49% annually.

## Forecasted Losses



Transmission Loss is expected to range from 0% to 4.35% while System Loss is expected to range from 0% to 14 %.



## Power Supply

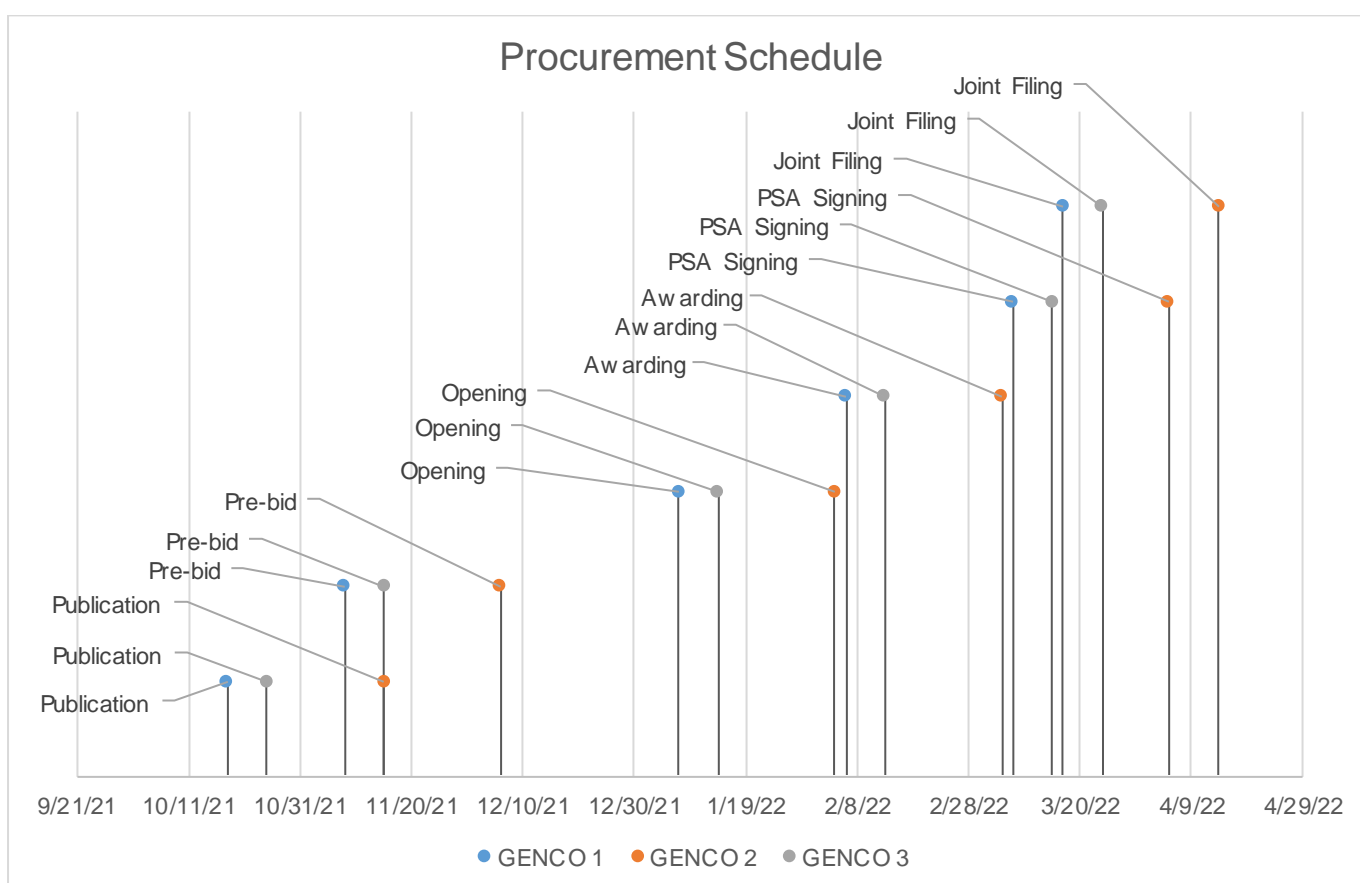
Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
PSALM	Base	Power Sector Assets and Liabilities Management Corporation	3.12	27,024	Dec. 26, 2020	Dec. 25, 2023
ERC CASE NO.2013 -150 RC	Base	Therma South, Inc.	1.20	10,512	7/1/2015	7/1/2040
ERC CASE NO.2014-011 RC	Base	GN Power Kauswagan Ltd.	5.10	44,676	9/1/2019	Sept. 39
ERC CASE NO.2014-077 RC	Peaking	King Energy Generation, Inc.	1.00	1,752	5/1/2014	5/25/2024

The PSA filed under Case No. 2014-011 RC was procured through GN Power Kauswagan Ltd. It was selected to provide for base requirements. Historically, the utilization of the PSA is 53%, followed by the PSA filed under ERC case no. 2013 -150 RC and was procured through Therma South, Inc. Its utilization of the PSA is 23% with a minimum of 1.2 MW and a maximum of 3 MW.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
Hydro RESA	Intermediate	Bukidnon Power Corporation	1.00	3,504	July 2018	Dec. 25, 2021 or Until WESM available in the market

The PSA or Renewable Energy Supply Agreement (RESA) in accordance with the law under R. A. No. 9513 otherwise known as the “ RE Act “ mandates the establishment of the Feed-In Tariff System need not apply or seek approval to ERC as the guidelines and condition of RESA contract. The demand contract of 1 MW was procured through Bukidnon Power Corporation (HEDCOR). It was selected to provide for the intermediate requirement. Historically, the utilization of the RESA is 8%. The actual billed overall monthly charge under the RESA ranged from 5.368 P/kWh to 6.016 P/KWh in the same period.

	GENCO 1	GENCO 2	GENCO 3
Type	Intermediate	Base	Peaking
Minimum MW	3.00	5.00	4.00
Minimum MWh/yr	4,468	17,520	7,008
PSA Start	Jan. 2024	6/1/2026	May 26, 2024
PSA End	Jan. 2034	Jan. 2041	May 25, 2034
Publication	10/18/2021	11/15/2021	10/25/2021
Pre-bid	11/8/2021	12/6/2021	11/15/2021
Opening	1/7/2022	2/4/2022	1/14/2022
Awarding	2/6/2022	3/6/2022	2/13/2022
PSA Signing	3/8/2022	4/5/2022	3/15/2022
Joint Filing	3/17/2022	4/14/2022	3/24/2022

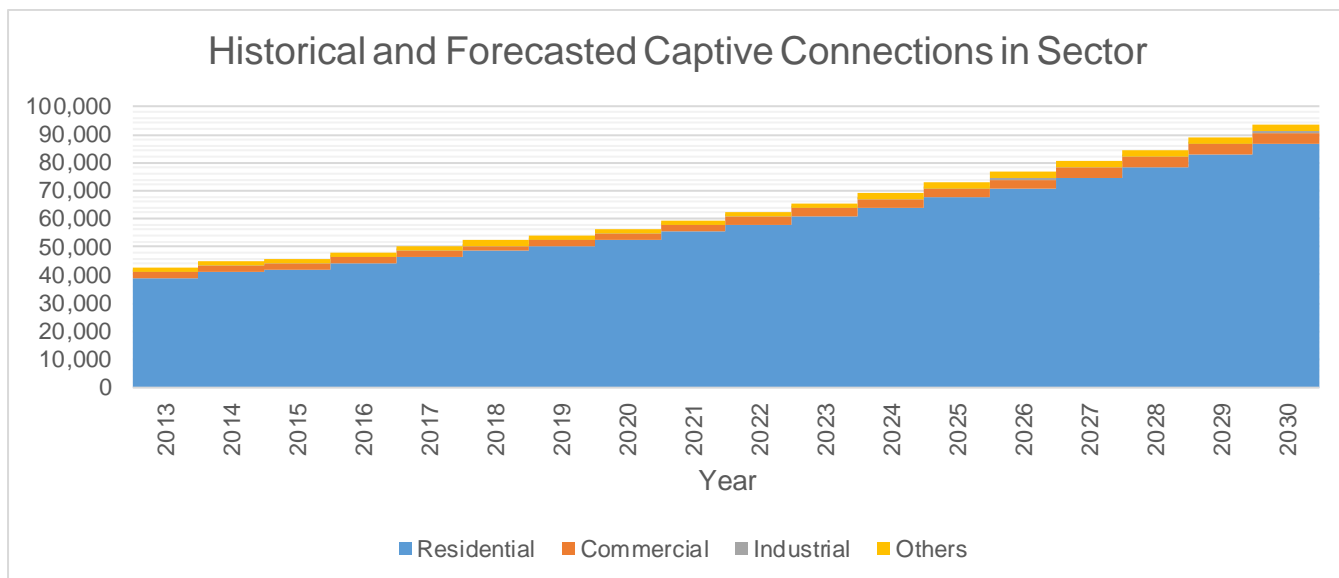


For the procurement of 3MW supply, which is planned to be available in January 2024, the first publication or launch of CSP will be on Oct 18, 2021. Joint filing is planned for Mar 17, 2022, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 4 MW of supply which is planned to be available in May 2024, the first publication or launch of CSP will be on Oct 25, 2021. Joint filing is planned for Mar 24, 2022, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 5 MW of supply which is planned to be available on January 2026, the first publication or launch of CSP will be on Nov. 15, 2021 Joint filing is planned on April 14, 2022, 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 5.06 annually. Said customer class is expected to account for 92.77% of the total consumption followed by a commercial connection that is expected to account for 4.03% and industrial connection for 1.59% of the total consumption