

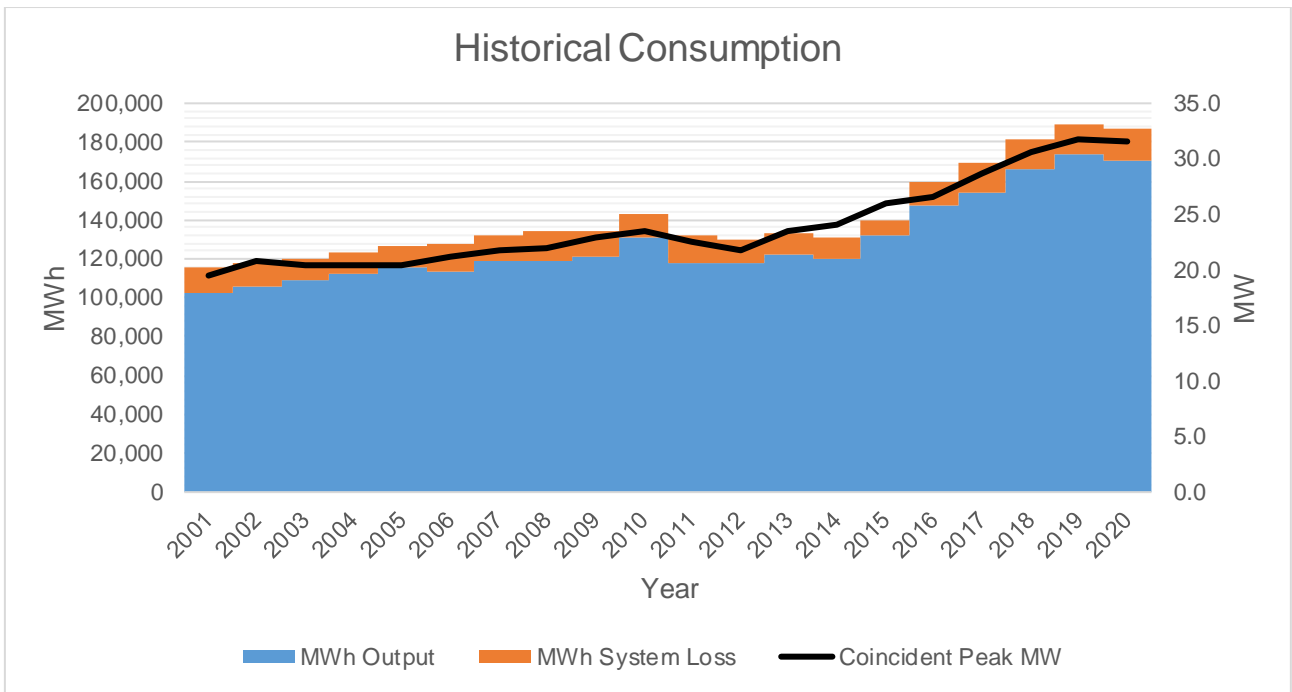
# **Power Supply Procurement Plan 2021**

**Cotabato Light & Power Company  
(CLPC)**

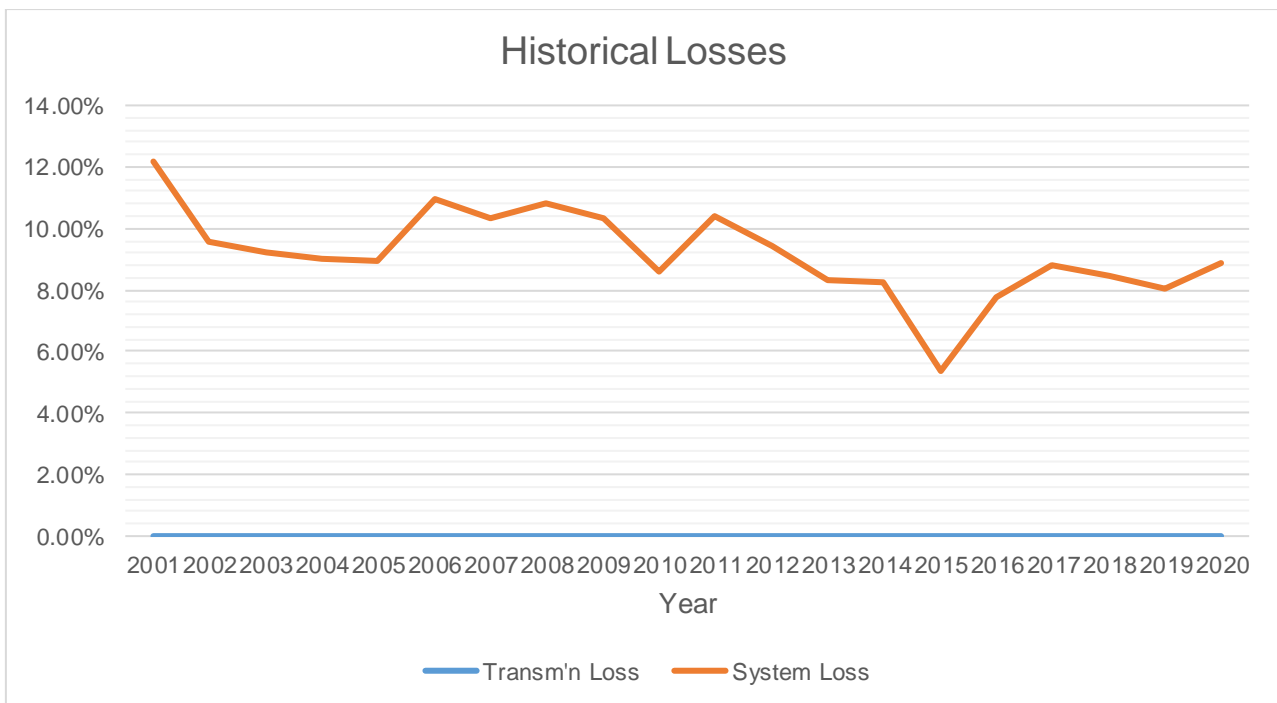
## Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2001	19.49	0	0	116,056	101,924	14,131	68%	0.00%	#DIV/0!	12.18%
2002	20.75	0	0	117,502	106,234	11,268	65%	0.00%	#DIV/0!	9.59%
2003	20.51	0	0	119,706	108,637	11,070	67%	0.00%	#DIV/0!	9.25%
2004	20.48	0	0	123,101	112,018	11,083	69%	0.00%	#DIV/0!	9.00%
2005	20.45	0	0	126,529	115,229	11,300	71%	0.00%	#DIV/0!	8.93%
2006	21.27	0	0	127,782	113,816	13,966	69%	0.00%	#DIV/0!	10.93%
2007	21.80	0	0	132,256	118,627	13,630	69%	0.00%	#DIV/0!	10.31%
2008	22.05	0	0	133,916	119,390	14,526	69%	0.00%	#DIV/0!	10.85%
2009	22.89	0	0	134,682	120,729	13,953	67%	0.00%	#DIV/0!	10.36%
2010	23.49	0	0	142,764	130,471	12,293	69%	0.00%	#DIV/0!	8.61%
2011	22.45	0	0	131,918	118,212	13,706	67%	0.00%	#DIV/0!	10.39%
2012	21.76	0	0	130,410	118,071	12,339	68%	0.00%	#DIV/0!	9.46%
2013	23.51	0	0	132,796	121,753	11,043	64%	0.00%	#DIV/0!	8.32%
2014	24.00	0	0	131,023	120,199	10,824	62%	0.00%	#DIV/0!	8.26%
2015	26.00	0	0	140,101	132,585	7,518	62%	0.00%	#DIV/0!	5.37%
2016	26.64	0	0	159,603	147,232	12,371	68%	0.00%	#DIV/0!	7.75%
2017	28.60	0	0	169,352	154,381	14,971	68%	0.00%	#DIV/0!	8.84%
2018	30.62	0	0	181,131	165,811	15,322	68%	0.00%	#DIV/0!	8.46%
2019	31.76	0	0	188,822	173,587	15,238	68%	0.00%	#DIV/0!	8.07%
2020	31.55	0	0	187,428	170,782	16,646	68%	0.00%	#DIV/0!	8.88%

Peak Demand has a minimal increased from 31.76 MW in 2019 to 31.55 MW in 2020 at a rate of 0.67% due to pandemic which started on March 2020. MWh Input dropped from 188,822 MWh in 2019 to 187,428 MWh in 2020 at a rate of 0.74% due to lower consumption of industrial and commercial due to lockdown caused by COVID 19 pandemic. Within the same period, Load Factor ranged from 69% to 72%.

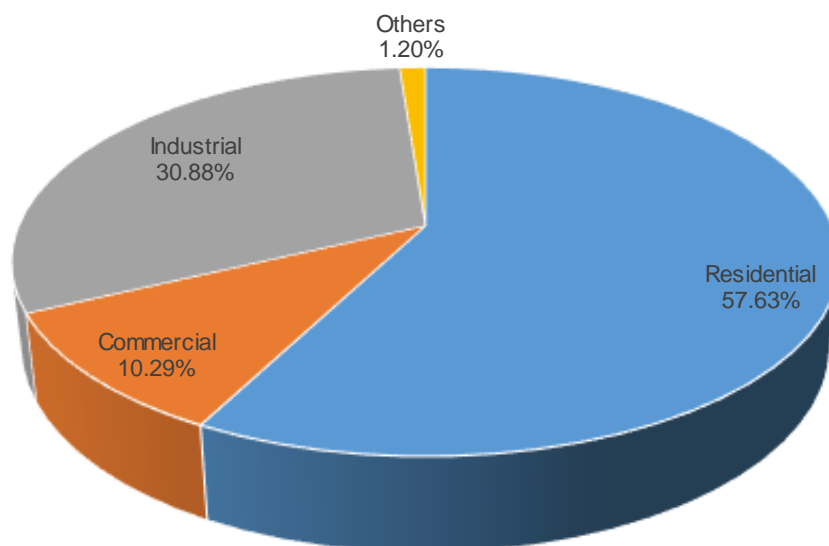


MWh Output decreased from year 2019 to year 2020 at a rate of 1.59% due to COVID 19 pandemic, while MWh System Loss increased by 0.80% within the same period.



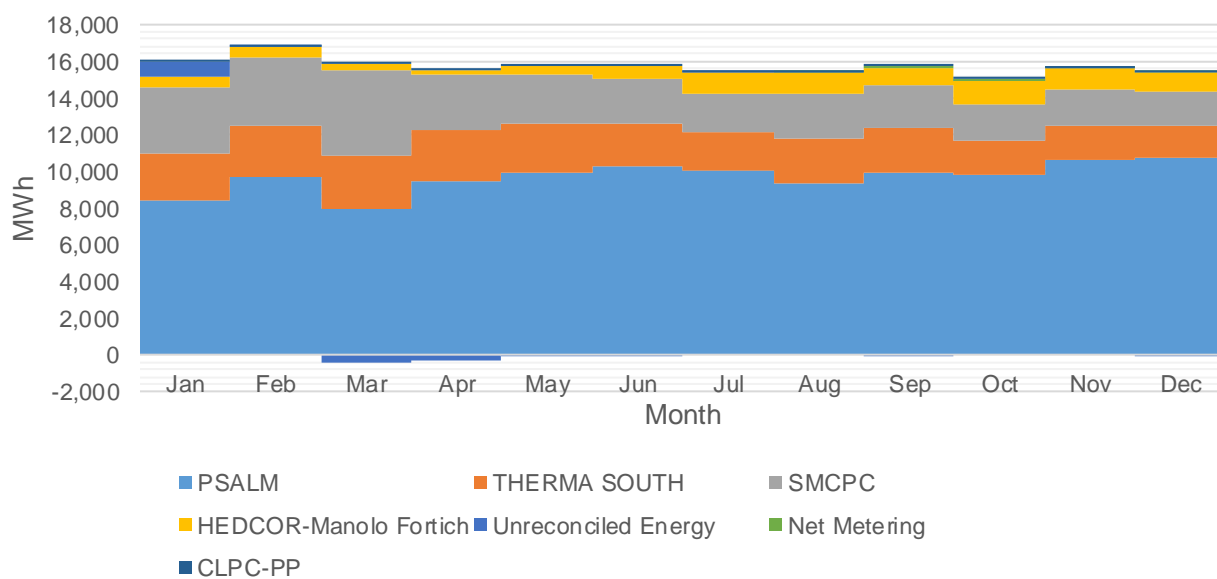
One of the biggest challenges in 2020 in the midst of pandemic was the lowering of ERC SL cap (feeder level) from 6.5% in 2019 to 6.0% in 2020. Cotabato Light hit 8.24% feeder level loss as of December 2020 wherein the cost of excess from the SL cap will be absorbed by the company. CLPC has loss reduction programs which includes CAPEX projects and drastic campaigns to reduce its feeder loss to 5.5% by 2021.

## Previous Year's Shares of Energy Sales

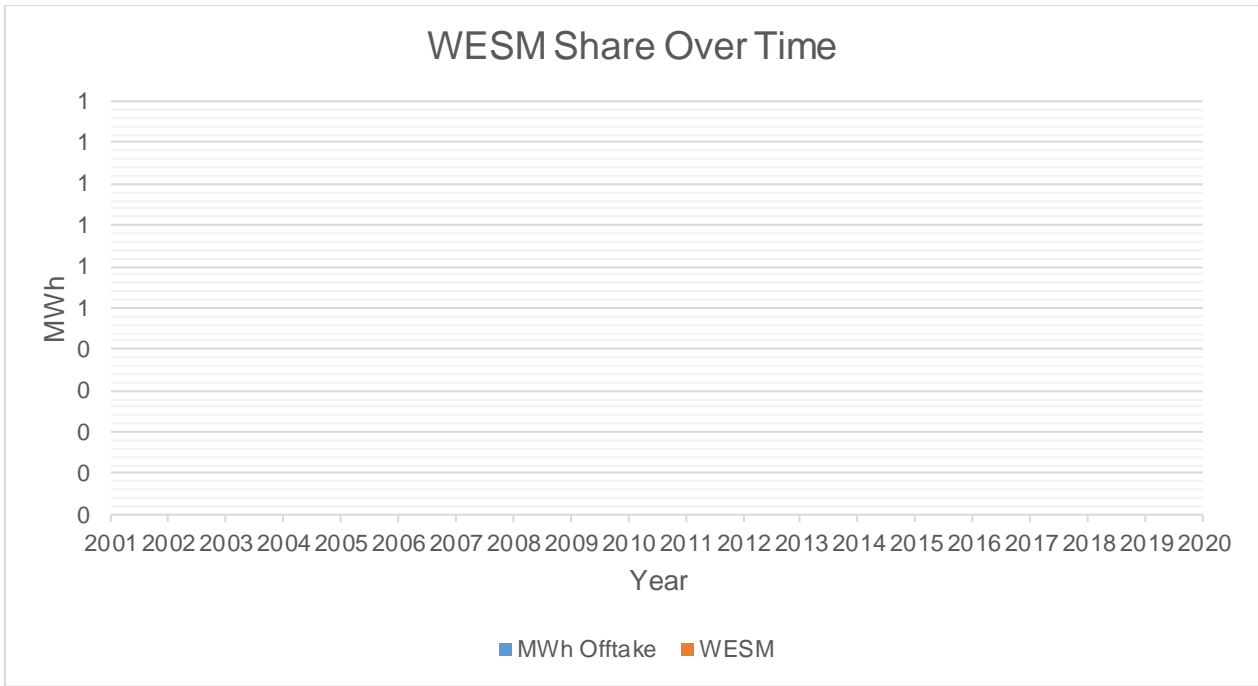


In 2020, Residential customers has the largest consumption at 57.63% due primarily to online classes and work from home set up of some offices. On the other hand, Flat Lighting has the smallest consumption at 1.20% with 16 customers. CLPC's forecasted energy sales growth is attributed by increase on industrial and commercial consumption since lockdown has been lifted on the 3<sup>rd</sup> quarter of 2020. Reduction of MWh sales of CLPC for the commercial and industrial customers is mainly due to community lockdown & temporary closure of establishments caused by COVID 19 pandemic.

## MWh Offtake for Last Historical Year

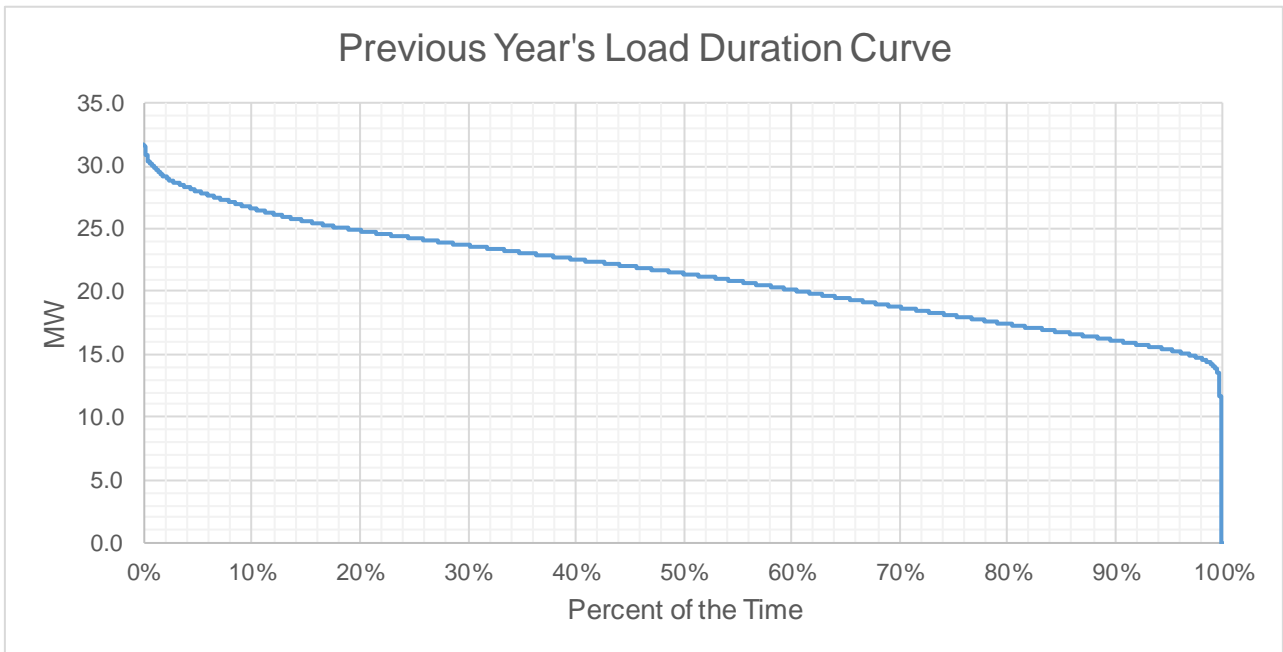


Since WESM is not yet in operation, CLPC draws power from power suppliers with bilateral contracts in which PSALM has the highest allocation. As of date, CLPC complied all the requirements and now a registered direct WESM member. As of December 31, 2020, there are 3 net metering customers with a total of 80 MWh net export.

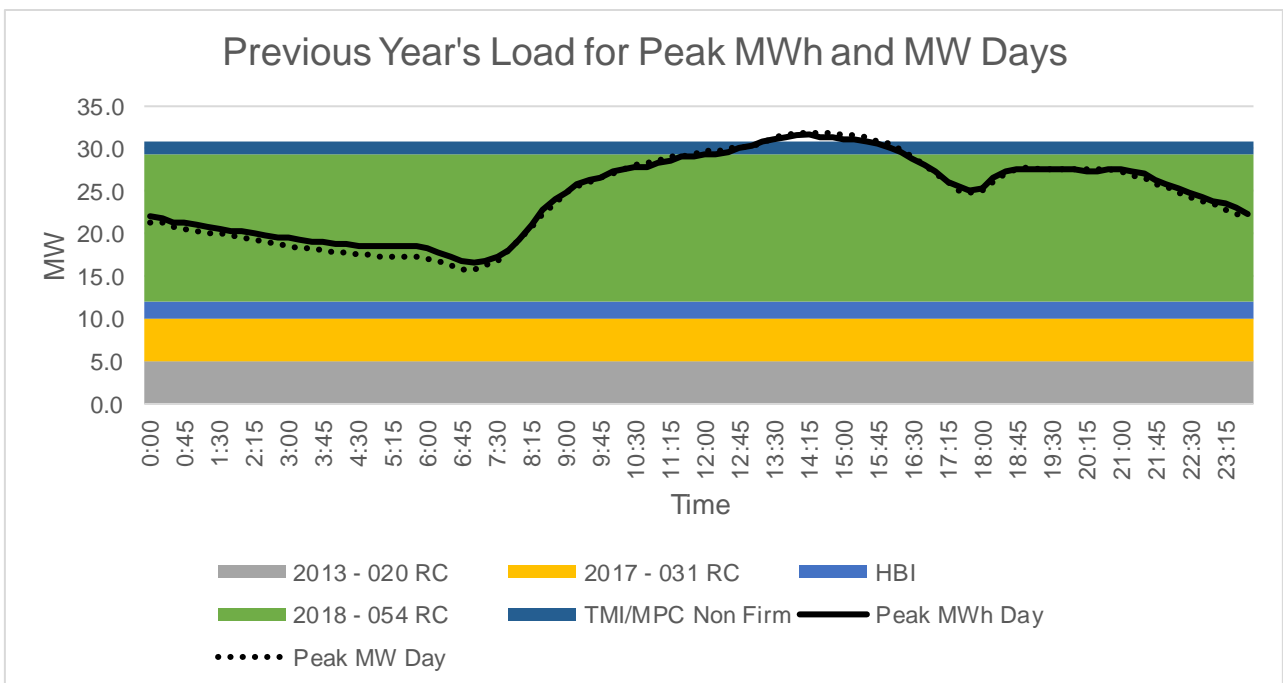


As of December 2020, WESM is not yet in operation, but CLPC has already undergone series of trainings and seminars for the preparation of its commencement.

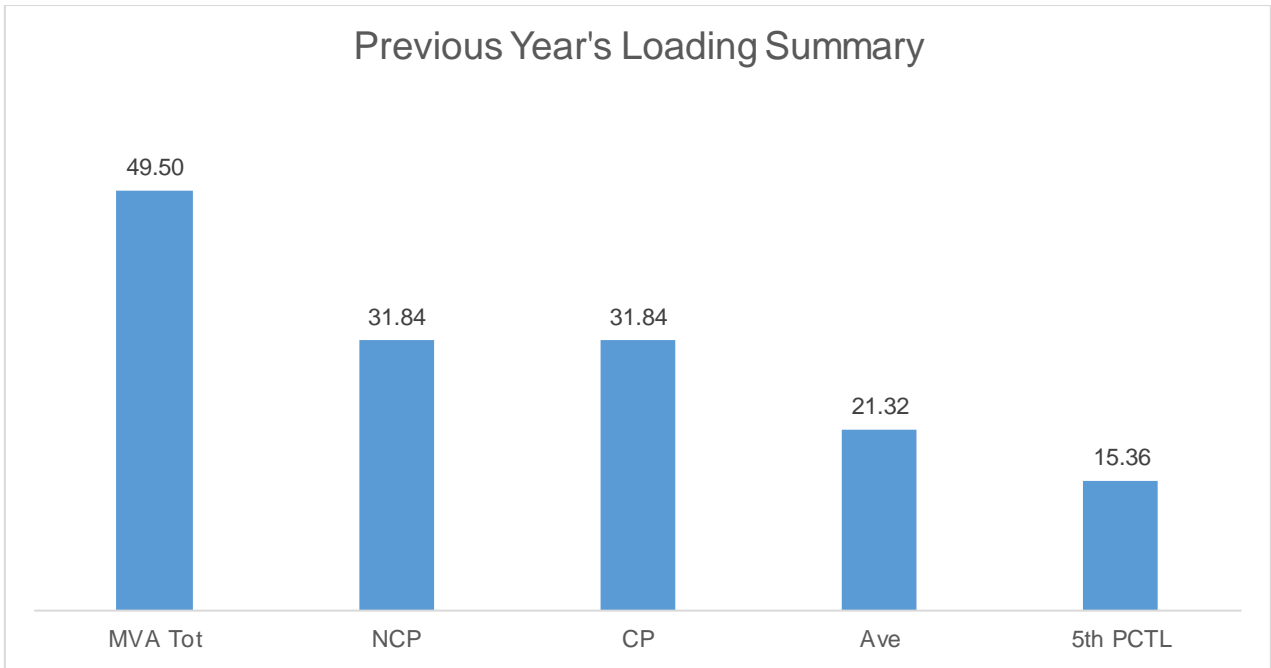
# Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 9.7 MW under normal condition and the maximum load is 31.84 MW for the last historical year.



Peak MW and peak daily MWh occurred on March 11, 2020 (2:00PM) due to very hot weather condition. As shown in the Load Curve, the available supply is higher than the Peak Demand.



At the end of 2019, substation capacity is around 49.5 MVA, peak demand is at 31.84 MW while substation loading is at 70%. Around 30% or 15.36 MW of the total capacity is still available for any growth in the franchise.

Metering Point	Substation MVA	Substation Peak MW
Sinsuat	12	8.530
Salimbao	25	14.900
Malagapas T1	12.5	8.430

Salimbao Substation was upgraded from 15 MVA to 25 MVA to cater the increasing demand in the northern part of the franchise. CLPC has ongoing 33 MVA Substation Project in preparation of the entry of big industrial customers starting 2021. Other loads from Malagapas T1 Substation which is critically loaded substation will then be transferred to this new substation.

# Forecasted Consumption Data

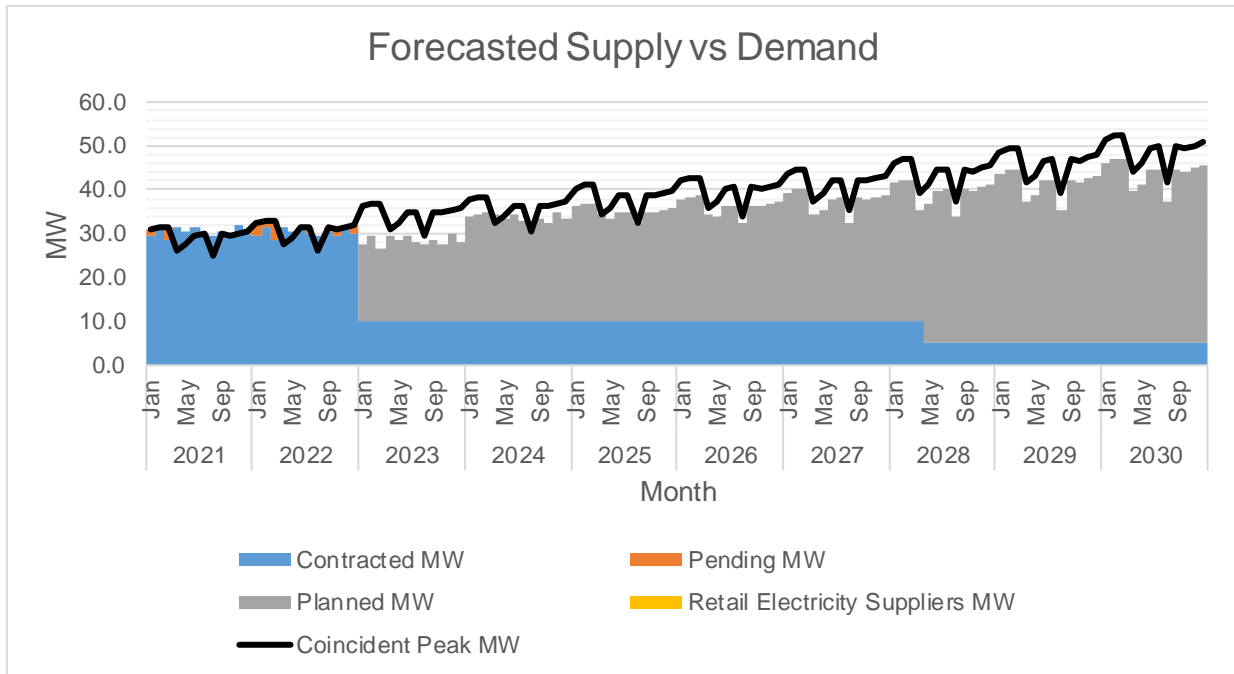
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2021	Jan	30.81	29.37	1.43	0.000		95%	100%	0.00
	Feb	31.30	31.46	0.00	0.000		101%	101%	0.16
	Mar	31.41	28.71	2.70	0.000		91%	100%	0.00
	Apr	26.30	31.60	0.00	0.000		120%	120%	5.29
	May	27.47	30.64	0.00	0.000		112%	112%	3.16
	Jun	29.63	31.60	0.00	0.000		107%	107%	1.97
	Jul	29.77	29.95	0.00	0.000		101%	101%	0.18
	Aug	24.97	29.65	0.00	0.000		119%	119%	4.69
	Sep	29.78	30.62	0.00	0.000		103%	103%	0.84
	Oct	29.48	29.60	0.00	0.000		100%	100%	0.12
	Nov	30.01	31.90	0.00	0.000		106%	106%	1.89
	Dec	30.38	30.01	0.37	0.000		99%	100%	0.00
2022	Jan	32.50	29.37	3.13	0.000		90%	100%	0.00
	Feb	33.03	31.46	1.56	0.000		95%	100%	0.00
	Mar	33.14	28.71	4.43	0.000		87%	100%	0.00
	Apr	27.75	31.60	0.00	0.000		114%	114%	3.84
	May	28.99	30.64	0.00	0.000		106%	106%	1.65
	Jun	31.27	31.60	0.00	0.000		101%	101%	0.33
	Jul	31.41	29.95	1.47	0.000		95%	100%	0.00
	Aug	26.34	29.65	0.00	0.000		113%	113%	3.31
	Sep	31.42	30.62	0.81	0.000		97%	100%	0.00
	Oct	31.10	29.60	1.50	0.000		95%	100%	0.00
	Nov	31.67	31.90	0.00	0.000		101%	101%	0.24
	Dec	32.05	30.01	2.05	0.000		94%	100%	0.00
2023	Jan	36.30	10.00	0.00	17.372		28%	75%	-8.93
	Feb	36.88	10.00	0.00	19.464		27%	80%	-7.42
	Mar	37.01	10.00	0.00	16.711		27%	72%	-10.30
	Apr	30.99	10.00	0.00	19.595		32%	95%	-1.40
	May	32.37	10.00	0.00	18.635		31%	88%	-3.73
	Jun	34.91	10.00	0.00	19.596		29%	85%	-5.32
	Jul	35.08	10.00	0.00	17.946		29%	80%	-7.13
	Aug	29.42	10.00	0.00	17.654		34%	94%	-1.77
	Sep	35.09	10.00	0.00	18.618		28%	82%	-6.47
	Oct	34.73	10.00	0.00	17.599		29%	79%	-7.13
	Nov	35.36	10.00	0.00	19.901		28%	85%	-5.46
	Dec	35.80	10.00	0.00	18.005		28%	78%	-7.79
2024	Jan	37.77	10.00	0.00	23.991		26%	90%	-3.78
	Feb	38.38	10.00	0.00	24.538		26%	90%	-3.84
	Mar	38.51	10.00	0.00	24.657		26%	90%	-3.85
	Apr	32.25	10.00	0.00	24.595		31%	107%	2.35
	May	33.68	10.00	0.00	23.635		30%	100%	-0.04
	Jun	36.33	10.00	0.00	24.596		28%	95%	-1.73
	Jul	36.50	10.00	0.00	22.946		27%	90%	-3.55



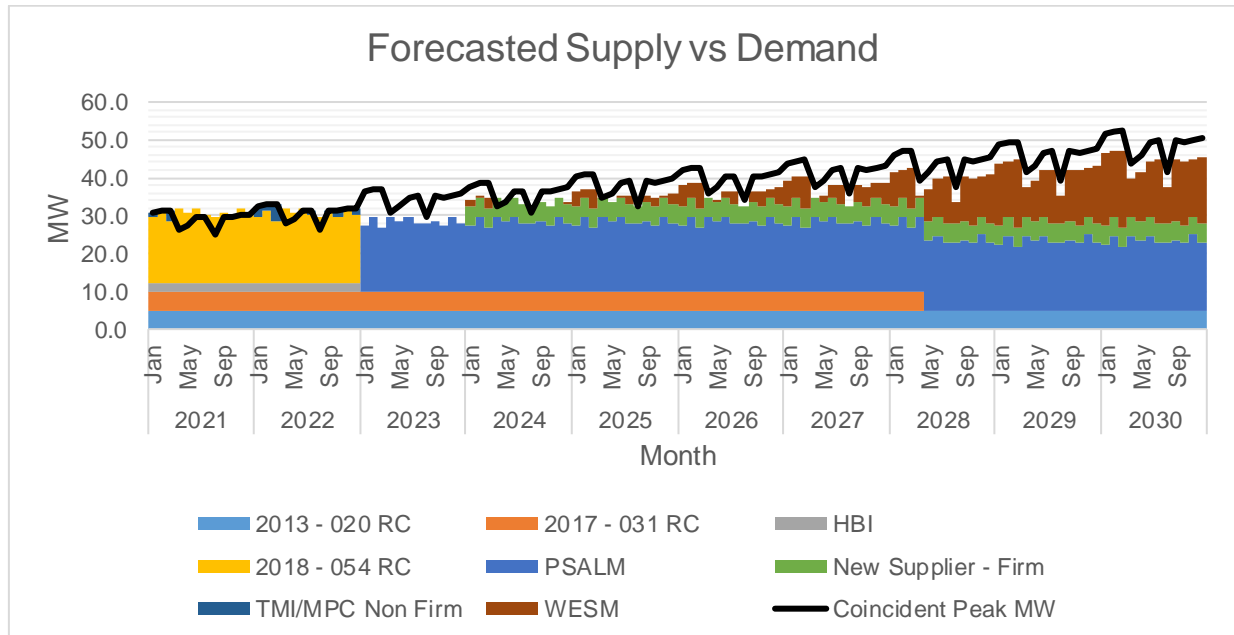
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Aug	30.61	10.00	0.00	22.654		33%	107%	2.04
	Sep	36.51	10.00	0.00	23.618		27%	92%	-2.89
	Oct	36.14	10.00	0.00	22.599		28%	90%	-3.54
	Nov	36.79	10.00	0.00	24.901		27%	95%	-1.89
	Dec	37.24	10.00	0.00	23.519		27%	90%	-3.72
2025	Jan	40.31	10.00	0.00	26.283		25%	90%	-4.03
	Feb	40.96	10.00	0.00	26.867		24%	90%	-4.10
	Mar	41.11	10.00	0.00	26.995		24%	90%	-4.11
	Apr	34.42	10.00	0.00	24.595		29%	101%	0.17
	May	35.95	10.00	0.00	23.635		28%	94%	-2.32
	Jun	38.78	10.00	0.00	24.899		26%	90%	-3.88
	Jul	38.96	10.00	0.00	25.062		26%	90%	-3.90
	Aug	32.67	10.00	0.00	22.654		31%	100%	-0.02
	Sep	38.98	10.00	0.00	25.078		26%	90%	-3.90
	Oct	38.58	10.00	0.00	24.719		26%	90%	-3.86
	Nov	39.27	10.00	0.00	25.346		25%	90%	-3.93
	Dec	39.76	10.00	0.00	25.780		25%	90%	-3.98
2026	Jan	42.01	10.00	0.00	27.805		24%	90%	-4.20
	Feb	42.68	10.00	0.00	28.414		23%	90%	-4.27
	Mar	42.83	10.00	0.00	28.547		23%	90%	-4.28
	Apr	35.86	10.00	0.00	24.595		28%	96%	-1.27
	May	37.46	10.00	0.00	23.714		27%	90%	-3.75
	Jun	40.40	10.00	0.00	26.364		25%	90%	-4.04
	Jul	40.59	10.00	0.00	26.534		25%	90%	-4.06
	Aug	34.05	10.00	0.00	22.654		29%	96%	-1.39
	Sep	40.61	10.00	0.00	26.549		25%	90%	-4.06
	Oct	40.20	10.00	0.00	26.176		25%	90%	-4.02
	Nov	40.92	10.00	0.00	26.829		24%	90%	-4.09
	Dec	41.42	10.00	0.00	27.281		24%	90%	-4.14
2027	Jan	43.85	10.00	0.00	29.466		23%	90%	-4.39
	Feb	44.56	10.00	0.00	30.101		22%	90%	-4.46
	Mar	44.71	10.00	0.00	30.240		22%	90%	-4.47
	Apr	37.44	10.00	0.00	24.595		27%	92%	-2.84
	May	39.11	10.00	0.00	25.195		26%	90%	-3.91
	Jun	42.18	10.00	0.00	27.961		24%	90%	-4.22
	Jul	42.38	10.00	0.00	28.138		24%	90%	-4.24
	Aug	35.54	10.00	0.00	22.654		28%	92%	-2.89
	Sep	42.39	10.00	0.00	28.155		24%	90%	-4.24
	Oct	41.96	10.00	0.00	27.765		24%	90%	-4.20
	Nov	42.72	10.00	0.00	28.447		23%	90%	-4.27
	Dec	43.24	10.00	0.00	28.919		23%	90%	-4.32
2028	Jan	46.18	10.00	0.00	31.562		22%	90%	-4.62
	Feb	46.92	10.00	0.00	32.231		21%	90%	-4.69
	Mar	47.09	10.00	0.00	32.377		21%	90%	-4.71
	Apr	39.43	10.00	0.00	25.485		25%	90%	-3.94
	May	41.18	5.00	0.00	32.063		12%	90%	-4.12

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Jun	44.42	5.00	0.00	34.977		11%	90%	-4.44
	Jul	44.63	5.00	0.00	35.164		11%	90%	-4.46
	Aug	37.43	5.00	0.00	28.685		13%	90%	-3.74
	Sep	44.65	5.00	0.00	35.181		11%	90%	-4.46
	Oct	44.19	5.00	0.00	34.770		11%	90%	-4.42
	Nov	44.99	5.00	0.00	35.489		11%	90%	-4.50
	Dec	45.54	5.00	0.00	35.986		11%	90%	-4.55
2029	Jan	48.58	5.00	0.00	38.721		10%	90%	-4.86
	Feb	49.36	5.00	0.00	39.424		10%	90%	-4.94
	Mar	49.53	5.00	0.00	39.578		10%	90%	-4.95
	Apr	41.48	5.00	0.00	32.328		12%	90%	-4.15
	May	43.32	5.00	0.00	33.989		12%	90%	-4.33
	Jun	46.73	5.00	0.00	37.053		11%	90%	-4.67
	Jul	46.94	5.00	0.00	37.250		11%	90%	-4.69
	Aug	39.37	5.00	0.00	30.435		13%	90%	-3.94
	Sep	46.96	5.00	0.00	37.268		11%	90%	-4.70
	Oct	46.48	5.00	0.00	36.836		11%	90%	-4.65
	Nov	47.32	5.00	0.00	37.592		11%	90%	-4.73
	Dec	47.90	5.00	0.00	38.114		10%	90%	-4.79
2030	Jan	51.45	5.00	0.00	41.307		10%	90%	-5.15
	Feb	52.28	5.00	0.00	42.052		10%	90%	-5.23
	Mar	52.46	5.00	0.00	42.216		10%	90%	-5.25
	Apr	43.93	5.00	0.00	34.537		11%	90%	-4.39
	May	45.88	5.00	0.00	36.295		11%	90%	-4.59
	Jun	49.49	5.00	0.00	39.541		10%	90%	-4.95
	Jul	49.72	5.00	0.00	39.749		10%	90%	-4.97
	Aug	41.70	5.00	0.00	32.531		12%	90%	-4.17
	Sep	49.74	5.00	0.00	39.769		10%	90%	-4.97
	Oct	49.23	5.00	0.00	39.311		10%	90%	-4.92
	Nov	50.12	5.00	0.00	40.111		10%	90%	-5.01
	Dec	50.74	5.00	0.00	40.665		10%	90%	-5.07

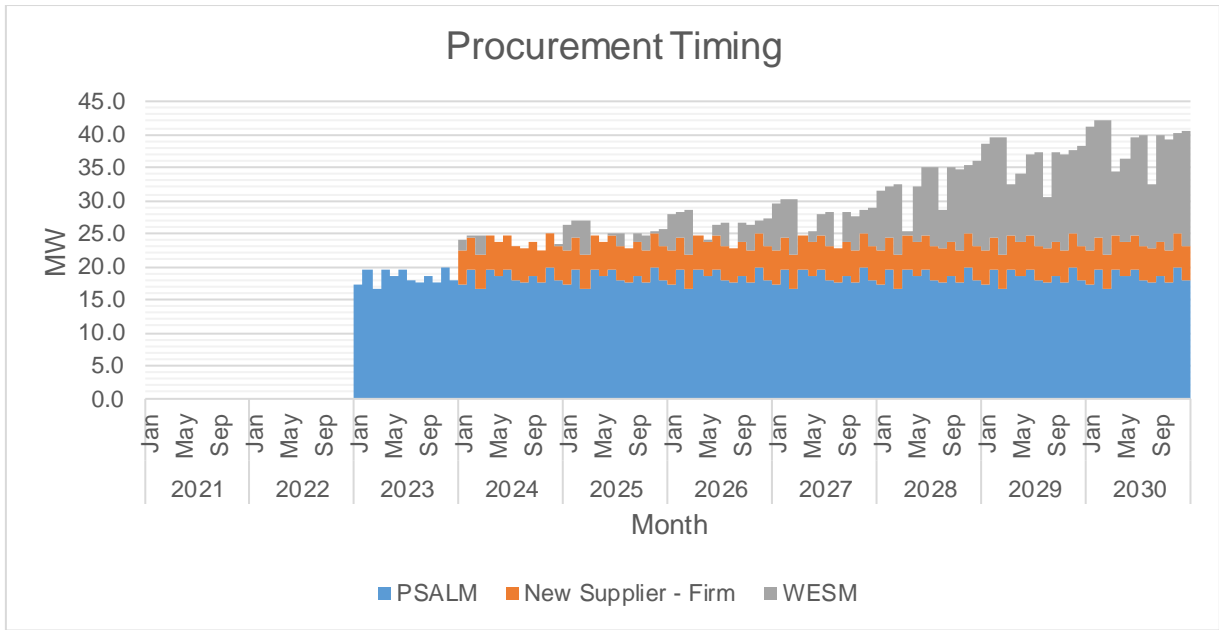
The Peak Demand was forecasted using e-Views Software and was assumed to occur on the month of March and its lowest peak on the month of August due to historical trend. In general, Peak Demand is expected to grow at a rate of 5.26% annually.



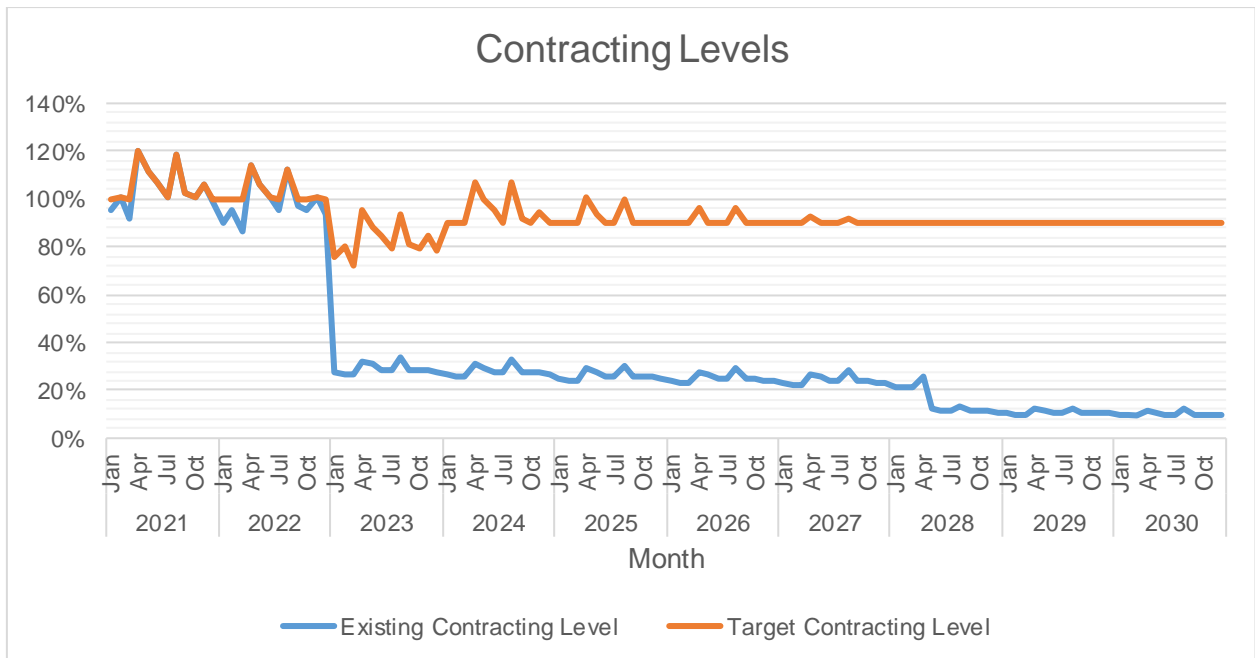
The available supply is generally above the Peak Demand starting 2021. This is because of the entry of big industrial customers such as hospitals, commercial buildings and malls. CLPC has a total of 30.81 MW contracted capacity with power suppliers. The 5MW non-firm contract is still pending for approval by the ERC.



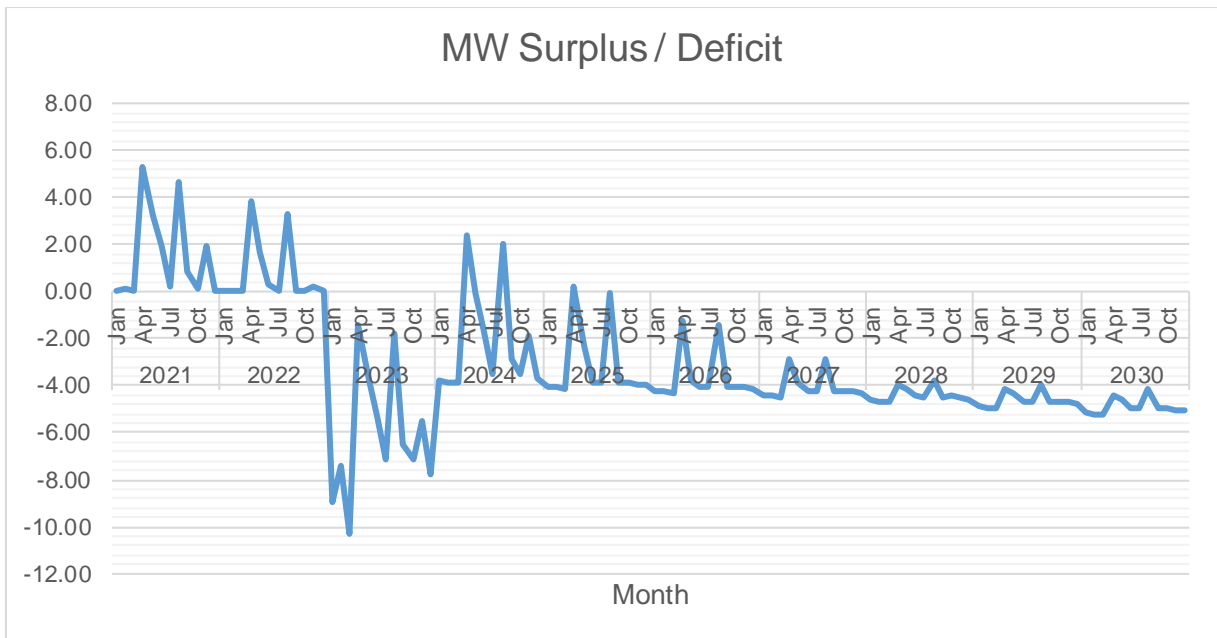
Of the available supply, the largest is 16.71 MW from PSALM then followed by 5 MW from Therma South and San Miguel Consolidated Power Corporation. Coincident peak demand is expected to reach at 52.46 MW at the end of 2030.



The first wave of supply procurement will be for 5 MW planned to be available by the month of January 2024 for compliance to RPS requirements. The company considered supply from PSALM starting January 2021 onwards using the latest CSEE.



CLPC has planned CSP for 5MW RE contract (5 years) and PSALM's CSEE until 2029.



Currently, there is enough supply to cater all customers' demands. There will be under-contracting by 8.93 MW starting January 2023, but the shortage will be drawn from WESM.

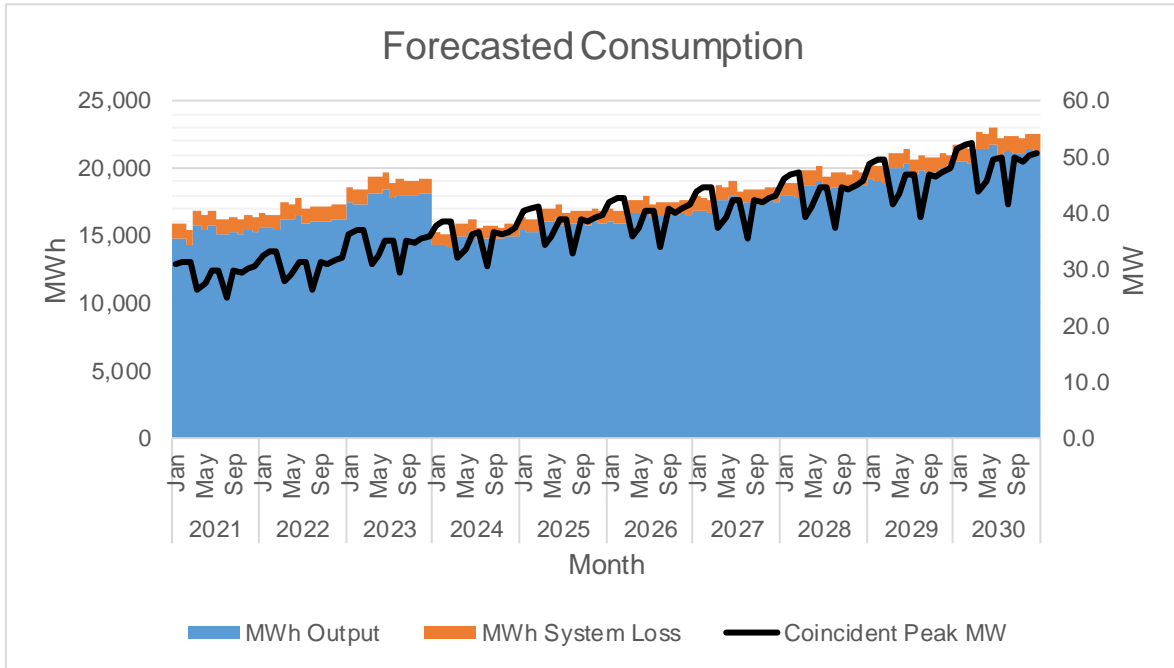
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2021	Jan	52,951	14,758	1,107	70.04%	6.98%
	Feb	53,085	14,854	1,103	69.94%	6.91%
	Mar	51,387	14,384	1,071	69.92%	6.93%
	Apr	56,364	15,668	1,146	70.17%	6.82%
	May	55,447	15,411	1,142	70.15%	6.90%
	Jun	56,708	15,750	1,166	70.17%	6.89%
	Jul	54,169	15,104	1,132	70.03%	6.97%
	Aug	54,136	15,127	1,127	69.98%	6.93%
	Sep	54,567	15,233	1,127	70.02%	6.89%
	Oct	54,381	15,167	1,105	70.08%	6.79%
	Nov	55,219	15,413	1,121	70.06%	6.78%
	Dec	54,814	15,284	1,109	70.09%	6.77%
2022	Jan	55,880	15,610	1,098	70.10%	6.57%
	Feb	55,409	15,508	1,084	70.05%	6.54%
	Mar	55,157	15,444	1,063	70.07%	6.44%
	Apr	58,350	16,273	1,130	70.18%	6.49%
	May	58,354	16,255	1,125	70.22%	6.47%
	Jun	59,538	16,569	1,145	70.25%	6.46%
	Jul	56,963	15,914	1,111	70.11%	6.52%
	Aug	57,662	16,109	1,105	70.15%	6.42%
	Sep	57,429	16,066	1,108	70.10%	6.45%
	Oct	57,348	16,025	1,095	70.15%	6.40%
	Nov	58,076	16,240	1,114	70.12%	6.42%
	Dec	57,833	16,164	1,102	70.15%	6.38%
2023	Jan	58,644	17,427	1,138	68.34%	6.13%
	Feb	58,380	17,314	1,124	68.42%	6.10%

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Mar	57,888	17,242	1,102	68.31%	6.01%
	Apr	60,298	18,167	1,171	67.93%	6.06%
	May	60,503	18,148	1,166	68.08%	6.04%
	Jun	62,642	18,498	1,187	68.58%	6.03%
	Jul	60,194	17,767	1,152	68.57%	6.09%
	Aug	57,653	17,985	1,146	66.82%	5.99%
	Sep	60,542	17,937	1,148	68.48%	6.02%
	Oct	60,530	17,892	1,135	68.57%	5.97%
	Nov	61,101	18,131	1,155	68.44%	5.99%
	Dec	60,633	18,046	1,142	68.35%	5.95%
2024	Jan	51,337	14,358	915	70.25%	5.99%
	Feb	50,909	14,264	903	70.21%	5.96%
	Mar	50,675	14,206	886	70.22%	5.87%
	Apr	53,615	14,968	941	70.33%	5.92%
	May	53,616	14,952	937	70.37%	5.90%
	Jun	54,704	15,240	954	70.40%	5.89%
	Jul	52,333	14,637	925	70.26%	5.95%
	Aug	52,763	14,817	921	70.17%	5.85%
	Sep	52,764	14,777	923	70.25%	5.88%
	Oct	52,688	14,740	912	70.29%	5.83%
	Nov	53,364	14,937	928	70.27%	5.85%
	Dec	53,135	14,867	918	70.29%	5.82%
2025	Jan	55,036	15,398	958	70.28%	5.86%
	Feb	54,577	15,297	946	70.24%	5.83%
	Mar	54,326	15,235	928	70.25%	5.74%
	Apr	57,473	16,052	986	70.35%	5.79%
	May	57,475	16,035	981	70.39%	5.77%
	Jun	58,642	16,343	999	70.43%	5.76%
	Jul	56,105	15,697	969	70.29%	5.82%
	Aug	56,793	15,890	964	70.32%	5.72%
	Sep	56,565	15,847	967	70.28%	5.75%
	Oct	56,485	15,808	955	70.32%	5.70%
	Nov	57,206	16,019	972	70.30%	5.72%
	Dec	56,964	15,944	961	70.32%	5.69%
2026	Jan	57,260	16,027	968	70.32%	5.70%
	Feb	56,782	15,923	956	70.27%	5.66%
	Mar	56,521	15,857	937	70.29%	5.58%
	Apr	59,791	16,708	996	70.39%	5.63%
	May	59,794	16,690	991	70.43%	5.61%
	Jun	61,012	17,012	1,009	70.46%	5.60%
	Jul	58,371	16,339	979	70.33%	5.65%
	Aug	59,085	16,540	974	70.36%	5.56%
	Sep	58,851	16,495	976	70.31%	5.59%
	Oct	58,768	16,454	965	70.36%	5.54%
	Nov	59,517	16,674	982	70.33%	5.56%
	Dec	59,266	16,596	971	70.36%	5.53%
2027	Jan	60,390	16,908	1,004	70.34%	5.60%

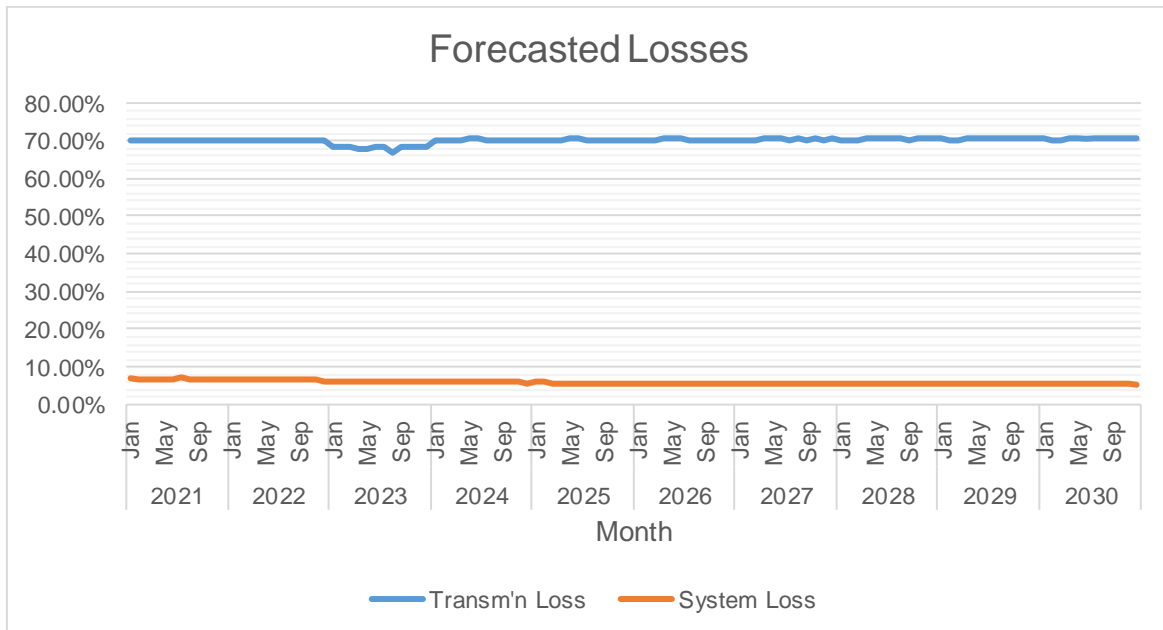
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Feb	59,887	16,798	991	70.30%	5.57%
	Mar	59,611	16,728	972	70.31%	5.49%
	Apr	63,057	17,626	1,033	70.41%	5.54%
	May	63,064	17,607	1,028	70.45%	5.52%
	Jun	64,348	17,946	1,046	70.48%	5.51%
	Jul	61,563	17,237	1,015	70.35%	5.56%
	Aug	62,313	17,449	1,010	70.38%	5.47%
	Sep	62,070	17,402	1,013	70.33%	5.50%
	Oct	61,982	17,358	1,001	70.38%	5.45%
	Nov	62,772	17,590	1,018	70.36%	5.47%
	Dec	62,507	17,508	1,007	70.38%	5.44%
2028	Jan	64,344	18,020	1,049	70.36%	5.50%
	Feb	63,808	17,902	1,036	70.32%	5.47%
	Mar	63,513	17,828	1,016	70.33%	5.39%
	Apr	67,183	18,784	1,080	70.43%	5.43%
	May	67,192	18,764	1,075	70.47%	5.42%
	Jun	68,562	19,127	1,094	70.51%	5.41%
	Jul	65,594	18,371	1,061	70.37%	5.46%
	Aug	66,392	18,596	1,056	70.40%	5.37%
	Sep	66,134	18,547	1,058	70.36%	5.40%
	Oct	66,040	18,500	1,046	70.40%	5.35%
	Nov	66,882	18,747	1,064	70.38%	5.37%
	Dec	66,600	18,659	1,053	70.40%	5.34%
2029	Jan	68,420	19,165	1,098	70.38%	5.42%
	Feb	67,849	19,040	1,085	70.34%	5.39%
	Mar	67,536	18,961	1,063	70.35%	5.31%
	Apr	71,438	19,978	1,130	70.45%	5.35%
	May	71,448	19,957	1,125	70.49%	5.34%
	Jun	72,905	20,343	1,145	70.53%	5.33%
	Jul	69,750	19,539	1,111	70.39%	5.38%
	Aug	70,598	19,778	1,105	70.42%	5.29%
	Sep	70,324	19,726	1,108	70.37%	5.32%
	Oct	70,224	19,676	1,095	70.42%	5.27%
	Nov	71,119	19,939	1,114	70.40%	5.29%
	Dec	70,820	19,845	1,102	70.42%	5.26%
2030	Jan	73,338	20,542	1,177	70.38%	5.42%
	Feb	72,726	20,408	1,163	70.34%	5.39%
	Mar	72,390	20,323	1,140	70.35%	5.31%
	Apr	76,572	21,413	1,211	70.45%	5.35%
	May	76,584	21,390	1,206	70.49%	5.34%
	Jun	78,146	21,804	1,228	70.53%	5.33%
	Jul	74,764	20,943	1,191	70.39%	5.38%
	Aug	75,673	21,199	1,185	70.42%	5.29%
	Sep	75,379	21,143	1,188	70.38%	5.32%
	Oct	75,272	21,089	1,174	70.42%	5.27%
	Nov	76,232	21,371	1,194	70.40%	5.29%
	Dec	75,911	21,271	1,181	70.42%	5.26%

MWh Offtake was forecasted using e-Views Software. The assumed load factor is 72.80% (average).

System Loss was calculated through a Load Flow Study conducted on the CLPC network model using Synergi 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 5.26% annually.



As set by ERC, system loss cap (feeder level) is at 6.25%, 6.00% and 5.50% in years 2019, 2020 and 2021 respectively. After full implementation of loss reduction programs, CLPC's system loss will be within system loss cap on January 2022 as projected.



## Power Supply

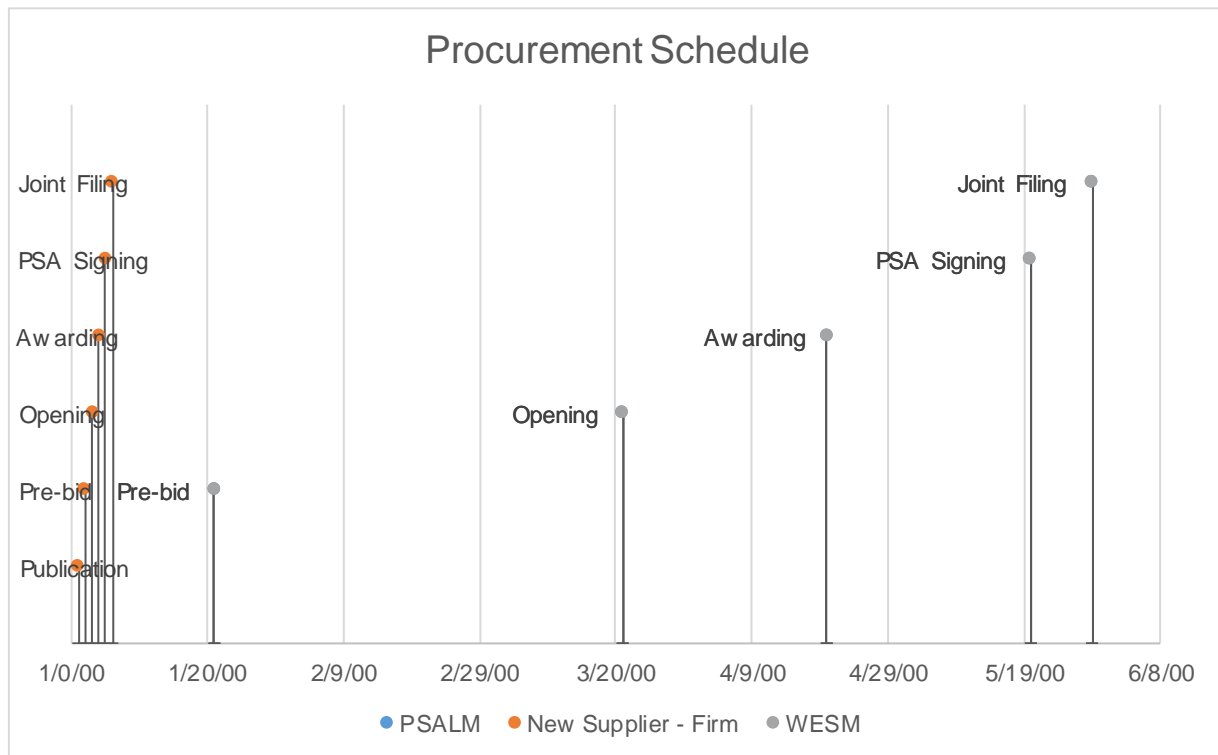
Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2013 - 020 RC	Base	Therma South, Inc.	5.00	34,800	9/15/2015	8/1/2042
2017 - 031 RC	Base	San Miguel Consolidated Power Corporation	5.00	37,290	4/26/2018	4/25/2028
HBI	Base	HEDCOR Bukidnon, Inc.	2.00	10,337	11/23/2018	10/22/2021
2018 - 054 RC	Intermediate	Power Sector Assets and Liabilities Management Corporation	16.71	110,673	12/26/2020	12/25/2022

The **PSAs with Therma South, Inc (TSI) and San Miguel Consolidated Power Corporation (SMCPC) filed with ERC under Case No. 2013 – 020 RC and Case No. 2017 – 031 RC**, respectively, were procured through Competitive Selection Process. It was selected to provide for base requirements due to increasing demand in the franchise. In peaking hours, CLPC run its embedded generator, if necessary, to prevent manual load drop. **HBI and CLPC entered into Renewable Energy Supply Agreement (RESA)**, thus, no corresponding ERC case for this.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
TMI/MPC Non Firm	Peaking	Mapalad Power Corporation	5.00		12/26/2019	12/25/2022

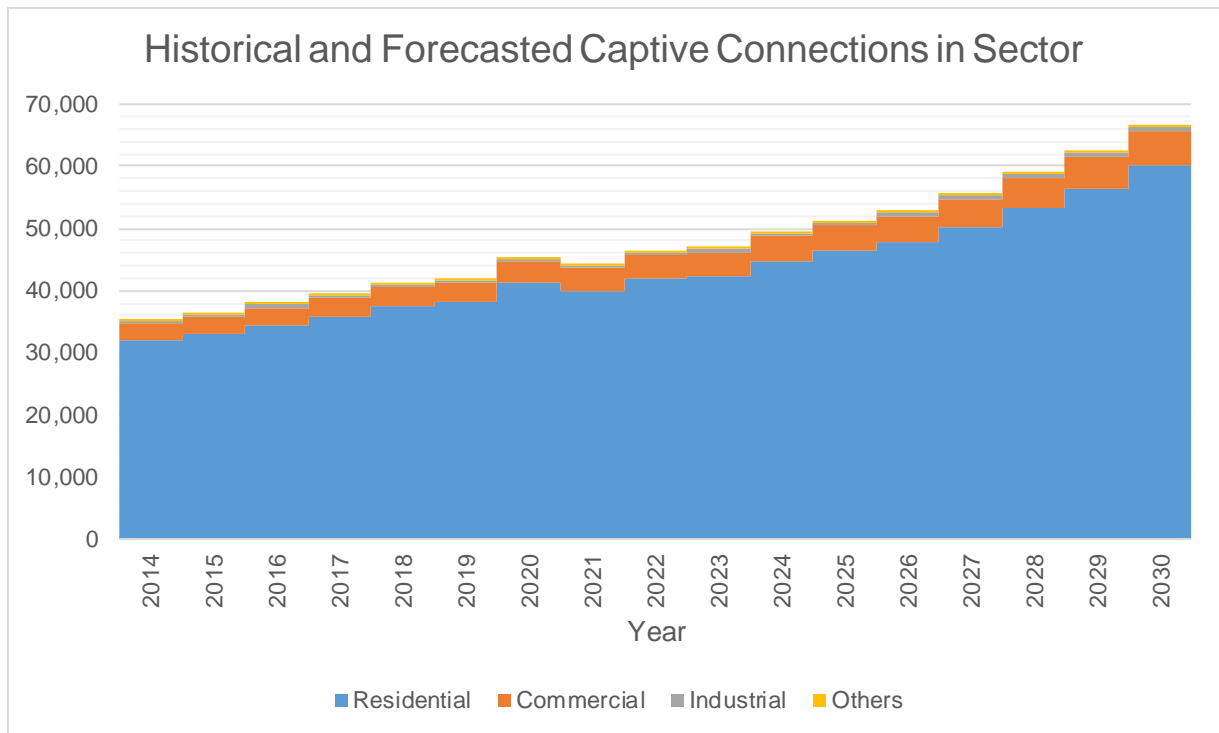
CLPC also applied to ERC a **non-firm contract with Mapalad Power Corporation (MPC) and Therma Marine, Inc. (TMI)** to cater the power shortage on succeeding years – as needed basis (PSA indicative period from December 2020 to December 2023 upon ERC Provisional Authority). As to date, application is still pending for approval of Energy Regulatory Commission (ERC).

	PSALM	New Supplier - Firm	WESM
Type	Intermediate	Intermediate	Peaking
Minimum MW	16.71	5.00	
Minimum MWh/yr	101,489		
PSA Start	12/26/2022	12/26/2023	
PSA End	12/25/2030	12/25/2028	
Publication		June 2022	
Pre-bid	1/21/1900	6/22/2022	1/21/1900
Opening	3/21/1900	8/21/2022	3/21/1900
Awarding	4/20/1900	9/20/2022	4/20/1900
PSA Signing	5/20/1900	10/20/2022	5/20/1900
Joint Filing	5/29/1900	10/29/2022	5/29/1900



For the procurement of 5MW of Renewable Energy supply which is planned to be available on January 2024 for RPS requirements and compliance.

# Captive Customer Connections



Residential customers are expected to grow at a rate of 4.2% annually and also expected to account for 46.5% of the total consumption by 2030.