

**Pampanga Rural Electric Service  
Cooperative, Inc.  
(PRESCO)**

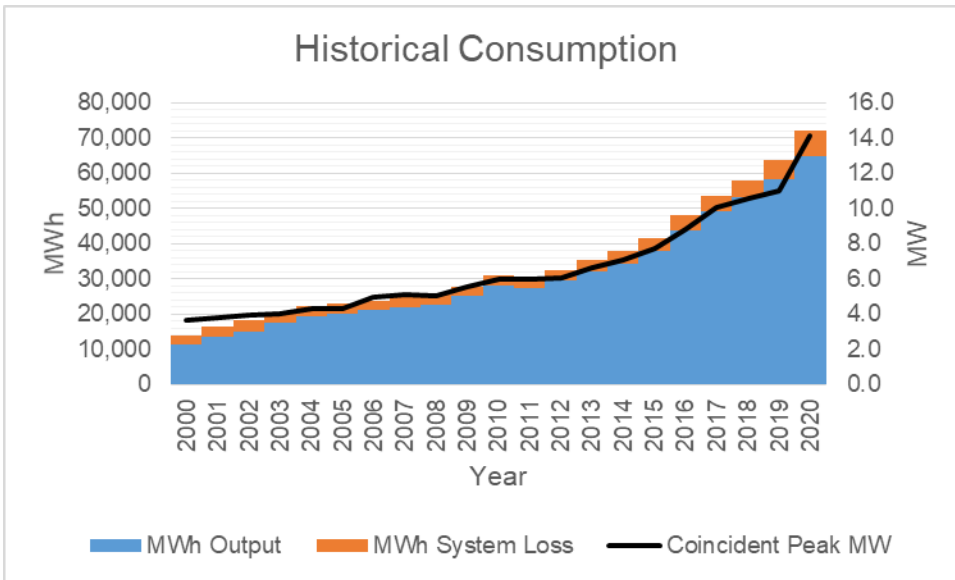
**Power Supply Procurement Plan  
[2021]**

**[Grid]**

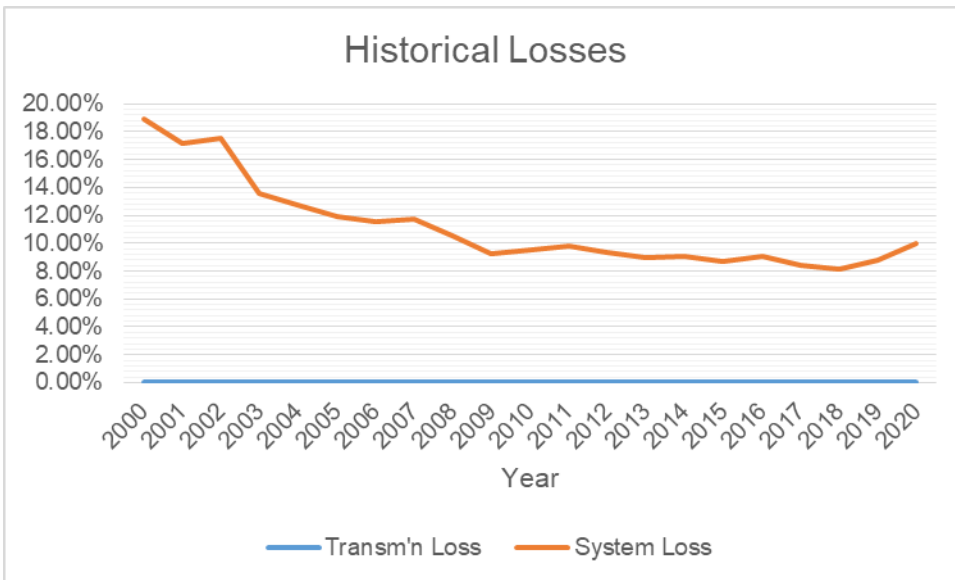
## Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	3.67	13,934	0	13,934	11,302	2,632	43%	0.00%	0.00%	18.89%
2001	3.82	16,345	0	16,345	13,543	2,802	49%	0.00%	0.00%	17.14%
2002	3.96	18,068	0	18,068	14,900	3,168	52%	0.00%	0.00%	17.53%
2003	4.03	20,130	0	20,130	17,390	2,739	57%	0.00%	0.00%	13.61%
2004	4.32	22,105	0	22,105	19,293	2,811	58%	0.00%	0.00%	12.72%
2005	4.26	22,825	0	22,825	20,097	2,728	61%	0.00%	0.00%	11.95%
2006	4.95	23,833	0	23,833	21,075	2,757	55%	0.00%	0.00%	11.57%
2007	5.07	24,611	0	24,611	21,716	2,895	55%	0.00%	0.00%	11.76%
2008	5.02	25,396	0	25,396	22,715	2,681	58%	0.00%	0.00%	10.56%
2009	5.54	27,695	0	27,695	25,123	2,572	57%	0.00%	0.00%	9.29%
2010	5.97	30,950	0	30,950	27,990	2,960	59%	0.00%	0.00%	9.56%
2011	6.00	30,218	0	30,218	27,247	2,971	58%	0.00%	0.00%	9.83%
2012	6.07	32,482	0	32,482	29,461	3,021	61%	0.00%	0.00%	9.30%
2013	6.59	35,358	0	35,358	32,185	3,173	61%	0.00%	0.00%	8.97%
2014	7.03	37,765	0	37,765	34,329	3,436	61%	0.00%	0.00%	9.10%
2015	7.72	41,554	0	41,554	37,949	3,605	61%	0.00%	0.00%	8.68%
2016	8.83	47,989	0	47,989	43,639	4,351	62%	0.00%	0.00%	9.07%
2017	10.04	53,637	0	53,637	49,108	4,528	61%	0.00%	0.00%	8.44%
2018	10.57	58,011	0	58,011	53,275	4,735	63%	0.00%	0.00%	8.16%
2019	11.03	63,762	0	63,762	58,159	5,603	66%	0.00%	0.00%	8.79%
2020	14.14	72,054	0	72,054	64,860	7,194	58%	0.00%	0.00%	9.98%

Peak Demand increased from 3.67 MW in year 2000 to 14.14 MW in year 2020 at an annual average increase rate of 7%. It was noticed that there was a sudden increase on the demand in year 2020 with a maximum of 14.14MW which was caused by the COVID-19 Lockdown. While the MWh Offtake increased from 13,934 MWh in year 2000 to 72,054 MWh in year 2020 at an annual average increase rate of 8.7% due to the continues increase in population in the franchise area. Within the same period, Load Factor ranged from 43% to 66%. There was an abrupt change in consumption starting from year 2015 to 2020 due to hot weather/climate condition that is being experience by the consumers that causes them to increase their electricity usage.

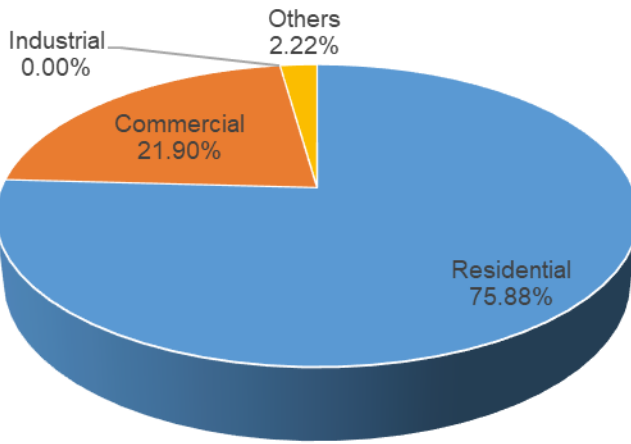


MWh Output increased from year 2000 to year 2020 at an annual average rate of 9.24%, while MWh System Loss decreased at an annual average rate of 2.83% within the same period.



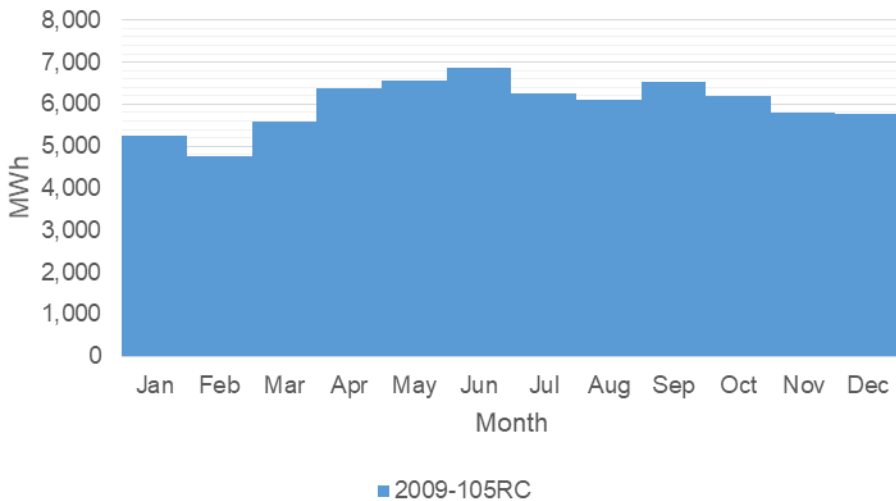
Historically, System Loss ranged from 18.89% to 8.16%. System Loss peaked at 18.89% on year 2000.

### Previous Year's Shares of Energy Sales

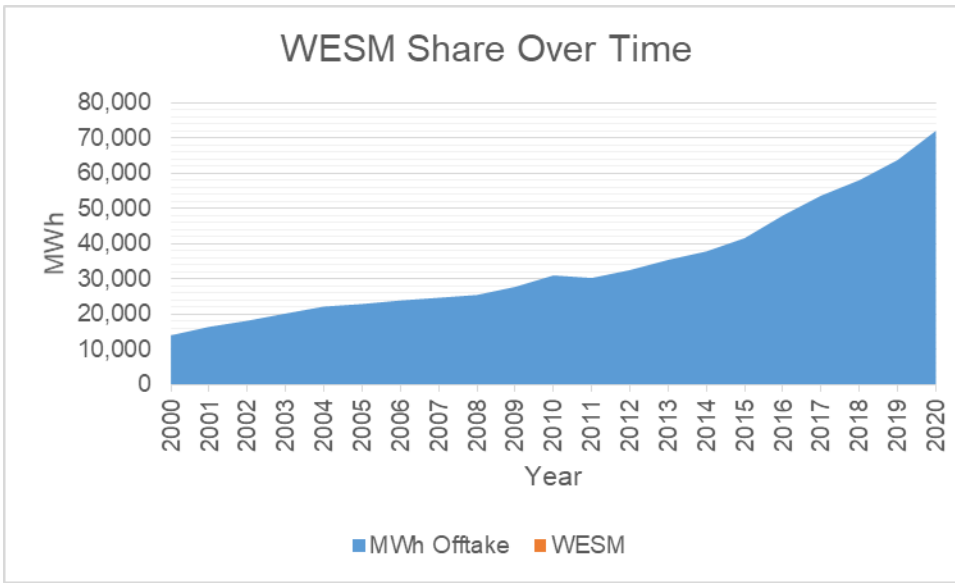


Residential customers account for the bulk of energy sales at 75.88% last year due to the high number of connections also due to COVID-19 Lockdown almost every people are on their respective houses which resulted to higher electric consumption. In contrast, other customers such as street lights, water systems and public buildings only accounted for 2.22% of energy sales due to the low number of connections.

### MWh Offtake for Last Historical Year

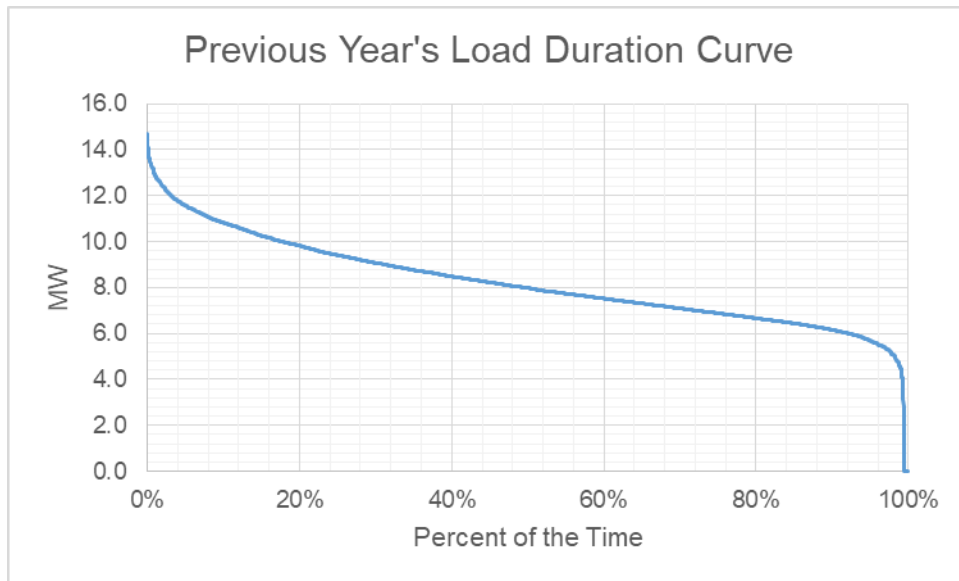


For 2009-105RC, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. The PSA with 2009-105RC accounts for the total of MWh Offtake.

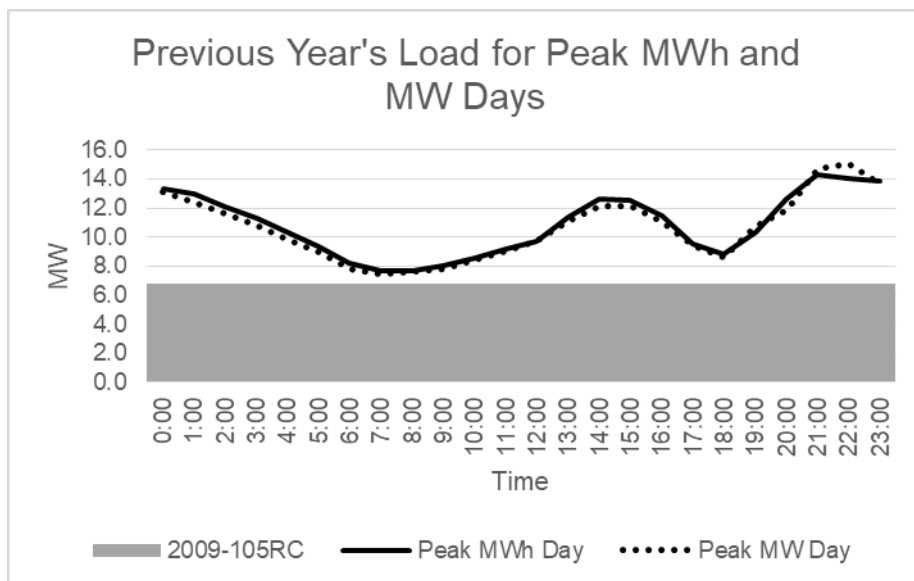


As shown on the table there is no plotted/graphed WESM exposure given the fact that in terms of MW and MWhr deficit from December 26, 2009 to December 25, 2024 of PRESCO, it is currently being catered by 2009-105RC through indirect participation in WESM.

## Previous Year's Load Profile



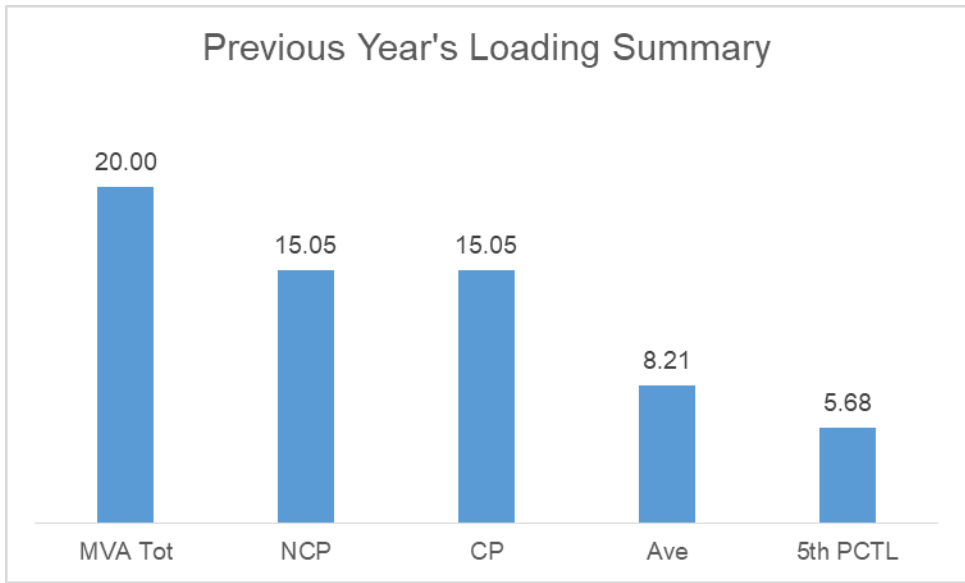
Based on the Load Duration Curve, the minimum load is 6MW and the maximum load is 15.05MW for the last historical year. This is because most consumers are residential where they consume most of the energy during night time. Also, due to the high number of connections also due to COVID-19 Lockdown almost every people are on their respective houses which resulted to higher electric consumption.



With majority of Residential Customer the off peak falls at 7 A.M. (7.4MW) each day and will rise again until it reaches 3 P.M. (12MW) being the peak load during day time. Then will descend again between 5 P.M. to 6 P.M. (8.6MW) and ascend to night time peak load (15.05MW) at 10 P.M.

Base on the graphical representation of PRESCO's Energy Demand the Coincident Peak Demand creates a curve which states that it only occurs at a certain time. While the contracted energy stays at a uniform/constant level over time.

Currently, the deficit supply is being catered by MPPCL (2009-105RC) through indirect participation in WESM.



The Non-coincident Peak Demand is 15.05MW, which is around 75.25% of the total substation capacity of 20MVA at a power factor of 98.88%. The load factor or the ratio between the Average Load of 8.21MW and the Non-coincident Peak Demand is 54.55% of the Non-coincident Peak Demand. A safe estimate of the true minimum load is the fifth percentile load of 5MW which is 37.74% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
Anao Substation	20	15.05

The lone Substation of PRESCO is already updated from 10MVA to 20MVA Capacity last year 2020. This allows the coop to accommodate additional consumers that will connect.

## 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	11.36	6.80	6.00	0.000		60%	113%	1.44
	Feb	11.46	6.80	6.00	0.000		59%	112%	1.34
	Mar	11.69	6.80	6.00	0.000		58%	110%	1.11
	Apr	12.74	6.70	6.00	0.000		53%	100%	-0.04
	May	12.27	6.80	6.00	0.000		55%	104%	0.53
	Jun	12.53	6.80	6.00	0.000		54%	102%	0.27
	Jul	12.77	6.70	6.00	0.000		52%	99%	-0.07
	Aug	12.99	6.80	6.00	0.000		52%	99%	-0.19
	Sep	13.17	6.80	6.00	0.000		52%	97%	-0.37
	Oct	13.27	6.80	6.00	0.000		51%	96%	-0.47
	Nov	13.35	6.80	6.00	0.000		51%	96%	-0.55
	Dec	13.53	6.80	6.00	0.000		50%	95%	-0.73
2022	Jan	12.16	6.90	6.00	0.000		57%	106%	0.74
	Feb	12.26	6.80	6.00	0.000		55%	104%	0.54
	Mar	12.51	6.90	6.00	0.000		55%	103%	0.39
	Apr	13.63	6.80	6.00	0.000		50%	94%	-0.83
	May	13.13	6.80	6.00	0.000		52%	97%	-0.33
	Jun	13.40	6.90	6.00	0.000		51%	96%	-0.50
	Jul	13.67	6.80	6.00	0.000		50%	94%	-0.87
	Aug	13.90	6.90	6.00	0.000		50%	93%	-1.00
	Sep	14.10	6.90	6.00	0.000		49%	92%	-1.20
	Oct	14.20	6.90	6.00	0.000		49%	91%	-1.30
	Nov	14.28	6.90	6.00	0.000		48%	90%	-1.38
	Dec	14.48	6.90	6.00	0.000		48%	89%	-1.58
2023	Jan	12.95	6.90	6.00	0.000		53%	100%	-0.05
	Feb	13.06	6.90	6.00	0.000		53%	99%	-0.16
	Mar	13.32	6.90	6.00	0.000		52%	97%	-0.42
	Apr	14.53	6.90	6.00	0.000		48%	89%	-1.63

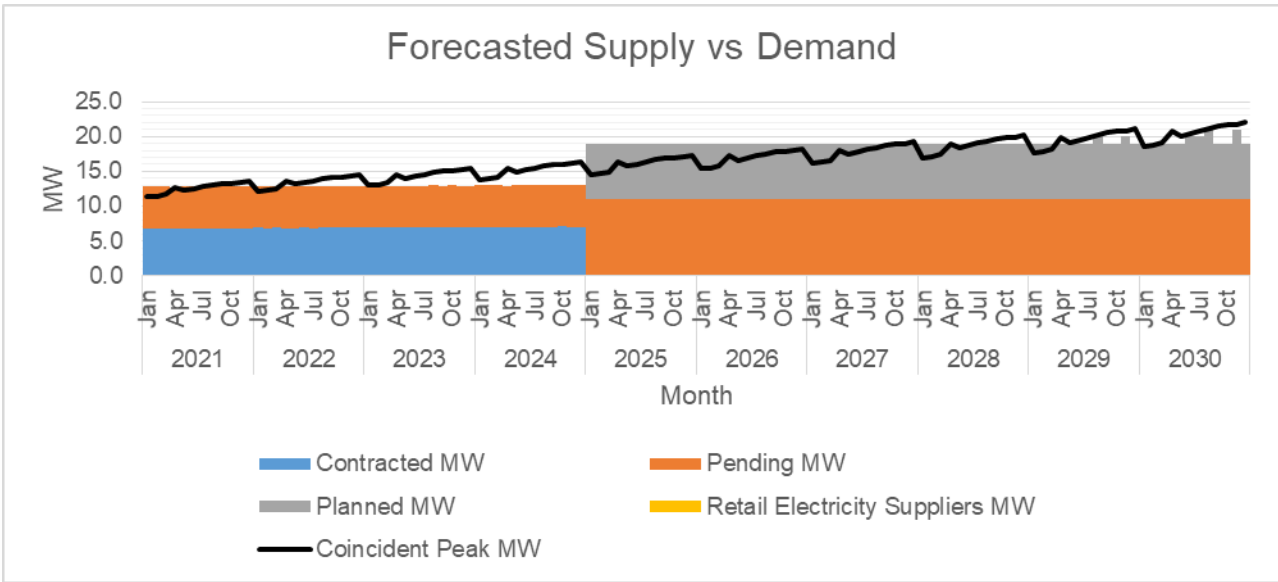


	May	13.99	6.90	6.00	0.000		49%	92%	-1.09
	Jun	14.28	6.90	6.00	0.000		48%	90%	-1.38
	Jul	14.56	6.90	6.00	0.000		47%	89%	-1.66
	Aug	14.81	7.00	6.00	0.000		47%	88%	-1.81
	Sep	15.02	6.90	6.00	0.000		46%	86%	-2.12
	Oct	15.12	7.00	6.00	0.000		46%	86%	-2.12
	Nov	15.22	6.90	6.00	0.000		45%	85%	-2.32
	Dec	15.42	6.90	6.00	0.000		45%	84%	-2.52
2024	Jan	13.75	7.00	6.00	0.000		51%	95%	-0.75
	Feb	13.87	7.00	6.00	0.000		50%	94%	-0.87
	Mar	14.14	7.00	6.00	0.000		50%	92%	-1.14
	Apr	15.42	6.90	6.00	0.000		45%	84%	-2.52
	May	14.85	7.00	6.00	0.000		47%	88%	-1.85
	Jun	15.15	7.00	6.00	0.000		46%	86%	-2.15
	Jul	15.45	7.00	6.00	0.000		45%	84%	-2.45
	Aug	15.72	7.00	6.00	0.000		45%	83%	-2.72
	Sep	15.94	7.00	6.00	0.000		44%	82%	-2.94
	Oct	16.05	7.10	6.00	0.000		44%	82%	-2.95
	Nov	16.15	7.00	6.00	0.000		43%	80%	-3.15
	Dec	16.37	7.00	6.00	0.000		43%	79%	-3.37
2025	Jan	14.54	0.00	11.00	8.000		0%	131%	4.46
	Feb	14.67	0.00	11.00	8.000		0%	130%	4.33
	Mar	14.96	0.00	11.00	8.000		0%	127%	4.04
	Apr	16.31	0.00	11.00	8.000		0%	116%	2.69
	May	15.71	0.00	11.00	8.000		0%	121%	3.29
	Jun	16.03	0.00	11.00	8.000		0%	119%	2.97
	Jul	16.35	0.00	11.00	8.000		0%	116%	2.65
	Aug	16.63	0.00	11.00	8.000		0%	114%	2.37
	Sep	16.86	0.00	11.00	8.000		0%	113%	2.14
	Oct	16.98	0.00	11.00	8.000		0%	112%	2.02
	Nov	17.08	0.00	11.00	8.000		0%	111%	1.92
	Dec	17.32	0.00	11.00	8.000		0%	110%	1.68
2026	Jan	15.34	0.00	11.00	8.000		0%	124%	3.66

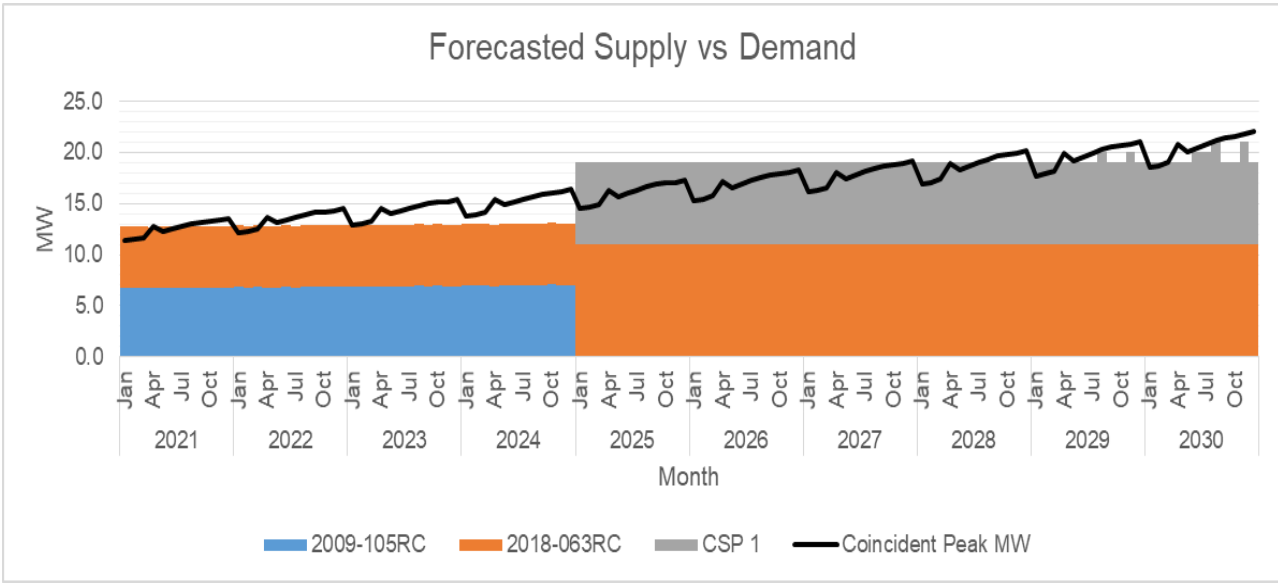
	Feb	15.47	0.00	11.00	8.000		0%	123%	3.53
	Mar	15.78	0.00	11.00	8.000		0%	120%	3.22
	Apr	17.20	0.00	11.00	8.000		0%	110%	1.80
	May	16.57	0.00	11.00	8.000		0%	115%	2.43
	Jun	16.91	0.00	11.00	8.000		0%	112%	2.09
	Jul	17.24	0.00	11.00	8.000		0%	110%	1.76
	Aug	17.53	0.00	11.00	8.000		0%	108%	1.47
	Sep	17.78	0.00	11.00	8.000		0%	107%	1.22
	Oct	17.91	0.00	11.00	8.000		0%	106%	1.09
	Nov	18.02	0.00	11.00	8.000		0%	105%	0.98
	Dec	18.27	0.00	11.00	8.000		0%	104%	0.73
2027	Jan	16.13	0.00	11.00	8.000		0%	118%	2.87
	Feb	16.27	0.00	11.00	8.000		0%	117%	2.73
	Mar	16.59	0.00	11.00	8.000		0%	114%	2.41
	Apr	18.09	0.00	11.00	8.000		0%	105%	0.91
	May	17.43	0.00	11.00	8.000		0%	109%	1.57
	Jun	17.78	0.00	11.00	8.000		0%	107%	1.22
	Jul	18.13	0.00	11.00	8.000		0%	105%	0.87
	Aug	18.44	0.00	11.00	8.000		0%	103%	0.56
	Sep	18.70	0.00	11.00	8.000		0%	102%	0.30
	Oct	18.84	0.00	11.00	8.000		0%	101%	0.16
	Nov	18.95	0.00	11.00	8.000		0%	100%	0.05
	Dec	19.21	0.00	11.00	8.000		0%	99%	-0.21
2028	Jan	16.93	0.00	11.00	8.000		0%	112%	2.07
	Feb	17.07	0.00	11.00	8.000		0%	111%	1.93
	Mar	17.41	0.00	11.00	8.000		0%	109%	1.59
	Apr	18.98	0.00	11.00	8.000		0%	100%	0.02
	May	18.29	0.00	11.00	8.000		0%	104%	0.71
	Jun	18.66	0.00	11.00	8.000		0%	102%	0.34
	Jul	19.03	0.00	11.00	8.000		0%	100%	-0.03
	Aug	19.35	0.00	11.00	8.000		0%	98%	-0.35
	Sep	19.63	0.00	11.00	8.000		0%	97%	-0.63
	Oct	19.77	0.00	11.00	8.000		0%	96%	-0.77

	Nov	19.89	0.00	11.00	8.000		0%	96%	-0.89
	Dec	20.16	0.00	11.00	8.000		0%	94%	-1.16
2029	Jan	17.72	0.00	11.00	8.000		0%	107%	1.28
	Feb	17.88	0.00	11.00	8.000		0%	106%	1.12
	Mar	18.23	0.00	11.00	8.000		0%	104%	0.77
	Apr	19.88	0.00	11.00	8.000		0%	96%	-0.88
	May	19.15	0.00	11.00	8.000		0%	99%	-0.15
	Jun	19.54	0.00	11.00	8.000		0%	97%	-0.54
	Jul	19.92	0.00	11.00	8.000		0%	95%	-0.92
	Aug	20.26	0.00	11.00	9.000		0%	99%	-0.26
	Sep	20.55	0.00	11.00	8.000		0%	92%	-1.55
	Oct	20.69	0.00	11.00	8.000		0%	92%	-1.69
	Nov	20.82	0.00	11.00	9.000		0%	96%	-0.82
	Dec	21.11	0.00	11.00	8.000		0%	90%	-2.11
2030	Jan	18.52	0.00	11.00	8.000		0%	103%	0.48
	Feb	18.68	0.00	11.00	8.000		0%	102%	0.32
	Mar	19.05	0.00	11.00	8.000		0%	100%	-0.05
	Apr	20.77	0.00	11.00	8.000		0%	91%	-1.77
	May	20.00	0.00	11.00	8.000		0%	95%	-1.00
	Jun	20.41	0.00	11.00	9.000		0%	98%	-0.41
	Jul	20.81	0.00	11.00	9.000		0%	96%	-0.81
	Aug	21.17	0.00	11.00	10.000		0%	99%	-0.17
	Sep	21.47	0.00	11.00	8.000		0%	88%	-2.47
	Oct	21.62	0.00	11.00	8.000		0%	88%	-2.62
	Nov	21.75	0.00	11.00	10.000		0%	97%	-0.75
	Dec	22.05	0.00	11.00	8.000		0%	86%	-3.05

The Peak Demand was forecasted using Linear Trend Model and was assumed to occur on the month of December which is a holiday (Christmas) season. Monthly Peak Demand is at its lowest on the month of January. In general, Peak Demand is expected to grow at an average rate of 5.71% annually.

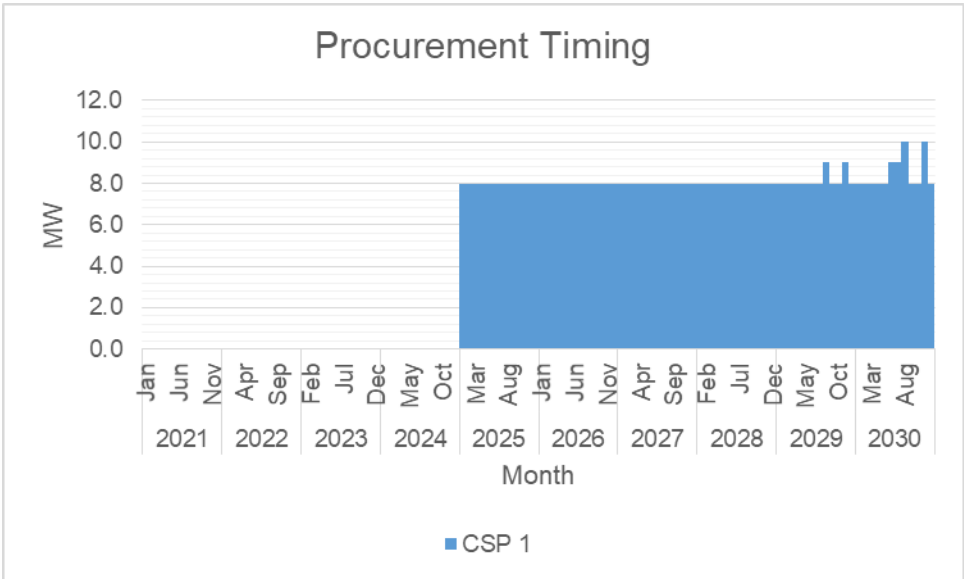


As illustrated above, the planned MW supply overlaps the projected Coincident Peak Demand. The reason is that there are indicative or potential spot loads that will connect to PRESCO.

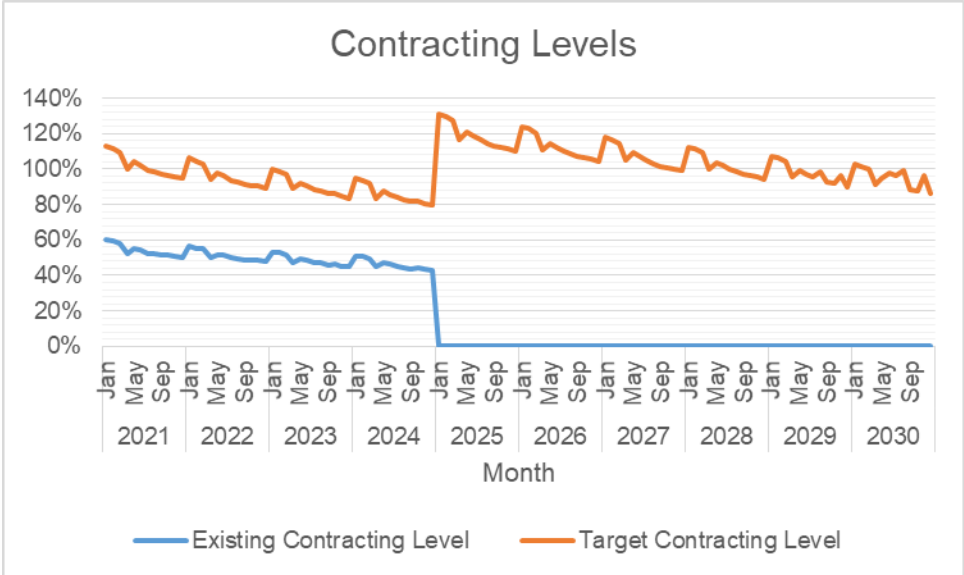


Shown in the graph above, is the forecasted Demand of the PRESCO, it shows that there is a peaking at the month of April every year since at this time of the year the ambient temperature increases (summer) which tends the consumers to consume higher electricity that will result increase on the demand. While the projected peaking month of every year is at the month of December which is a holiday (Christmas) season.

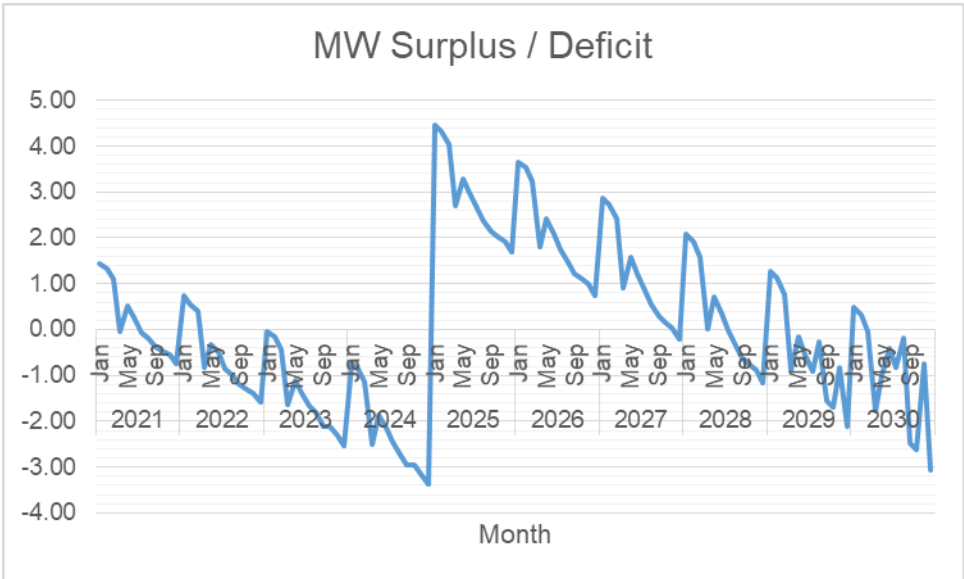
In terms of MW the graph, it shows that there is a pending Power Supply Agreement (PSA) (2018-063RC) which is still waiting for approval. Hence, there is a deficit of MWhr Supply, the deficit for year 2021-2024, is currently being catered by MPPCL (2009-105RC) through indirect participation in WESM.



Upon expiration of MPPCLs' Contract in December 26, 2024, a minimum of 8 MW capacity may be subjected to CSP.



Currently, the existing contracting level is at 54%. The highest target contracting level is 131% which is expected to occur on the first quarter of the year 2025. The lowest target contracting level is 79% which is expected to occur on the last quarter of year 2024.



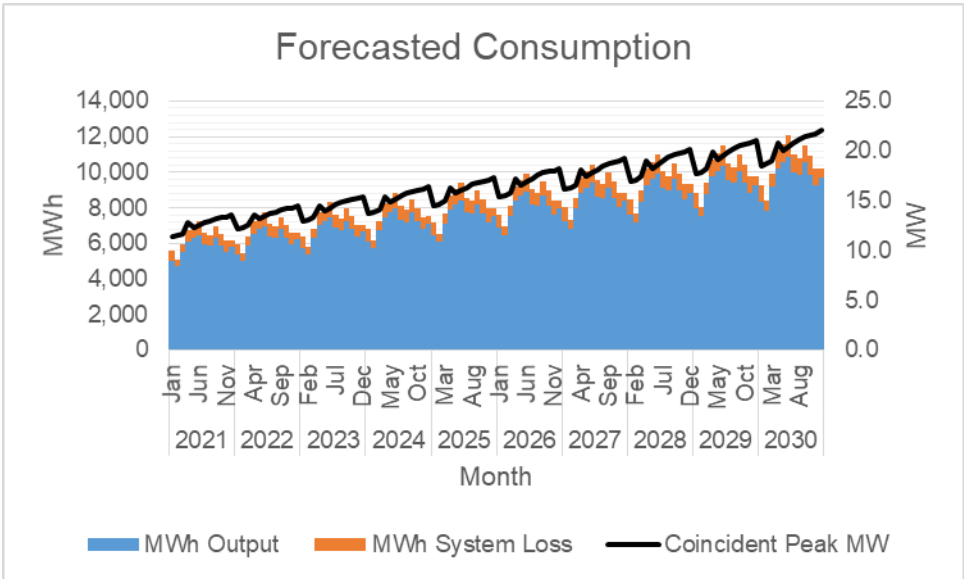
Currently there was a pending PSA with GN Power Dinginin (2018-063RC) which is supposed to start in December 26, 2020 but due the fact that this PSA is currently for approval, hence, the MW deficit is currently being catered by MPPCL (2009-105RC) through indirect participation in WESM.

		<b>MWh Oftake</b>	<b>MWh Output</b>	<b>MWh System Loss</b>	<b>Transm'n Loss</b>	<b>System Loss</b>
2021	Jan	5,557	4,986	572	0.00%	10.29%
	Feb	5,047	4,688	359	0.00%	7.11%
	Mar	5,924	5,481	442	0.00%	7.47%
	Apr	6,727	6,088	639	0.00%	9.50%
	May	6,951	6,306	645	0.00%	9.28%
	Jun	7,237	6,480	757	0.00%	10.46%
	Jul	6,611	5,964	648	0.00%	9.80%
	Aug	6,452	5,882	570	0.00%	8.83%
	Sep	6,922	6,305	617	0.00%	8.91%
	Oct	6,541	5,897	644	0.00%	9.85%
	Nov	6,127	5,536	592	0.00%	9.66%
	Dec	6,129	5,781	348	0.00%	5.67%
2022	Jan	5,968	5,360	608	0.00%	10.19%
	Feb	5,422	5,040	382	0.00%	7.04%
	Mar	6,363	5,893	470	0.00%	7.39%
	Apr	7,224	6,545	679	0.00%	9.40%
	May	7,466	6,779	686	0.00%	9.19%
	Jun	7,771	6,966	805	0.00%	10.36%
	Jul	7,100	6,411	689	0.00%	9.70%
	Aug	6,929	6,323	606	0.00%	8.75%
	Sep	7,434	6,778	656	0.00%	8.82%
	Oct	7,024	6,339	685	0.00%	9.75%
	Nov	6,580	5,951	629	0.00%	9.56%
	Dec	6,585	6,215	370	0.00%	5.61%
2023	Jan	6,380	5,734	646	0.00%	10.13%
	Feb	5,798	5,392	406	0.00%	7.00%
	Mar	6,804	6,304	500	0.00%	7.35%
	Apr	7,724	7,002	722	0.00%	9.35%
	May	7,982	7,253	729	0.00%	9.14%
	Jun	8,309	7,453	856	0.00%	10.30%
	Jul	7,591	6,859	732	0.00%	9.64%
	Aug	7,409	6,765	644	0.00%	8.70%
	Sep	7,948	7,251	697	0.00%	8.77%
	Oct	7,510	6,782	728	0.00%	9.70%
	Nov	7,035	6,366	669	0.00%	9.51%
	Dec	7,042	6,649	393	0.00%	5.58%
2024	Jan	6,793	6,108	684	0.00%	10.07%
	Feb	6,173	5,744	429	0.00%	6.96%
	Mar	7,245	6,716	529	0.00%	7.31%
	Apr	8,223	7,459	765	0.00%	9.30%
	May	8,498	7,726	772	0.00%	9.09%
	Jun	8,845	7,939	906	0.00%	10.25%
	Jul	8,082	7,307	775	0.00%	9.59%

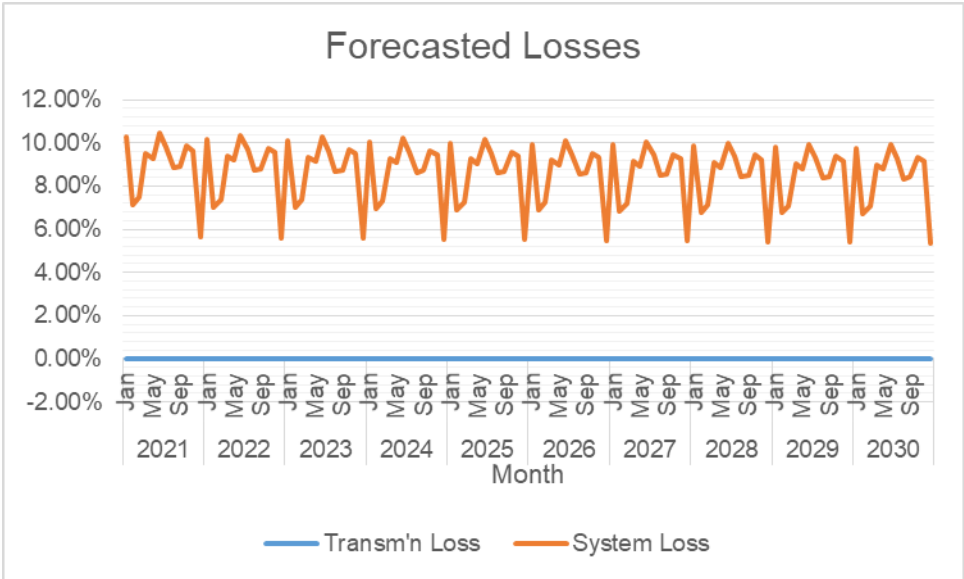
	Aug	7,888	7,206	682	0.00%	8.65%
	Sep	8,462	7,725	738	0.00%	8.72%
	Oct	7,995	7,224	771	0.00%	9.64%
	Nov	7,490	6,782	708	0.00%	9.45%
	Dec	7,499	7,083	416	0.00%	5.55%
2025	Jan	7,204	6,483	722	0.00%	10.02%
	Feb	6,549	6,096	453	0.00%	6.92%
	Mar	7,685	7,127	558	0.00%	7.27%
	Apr	8,722	7,915	806	0.00%	9.25%
	May	9,014	8,199	814	0.00%	9.04%
	Jun	9,381	8,425	956	0.00%	10.19%
	Jul	8,572	7,754	817	0.00%	9.54%
	Aug	8,367	7,648	719	0.00%	8.60%
	Sep	8,976	8,198	778	0.00%	8.67%
	Oct	8,480	7,667	813	0.00%	9.59%
	Nov	7,944	7,197	747	0.00%	9.40%
	Dec	7,956	7,517	439	0.00%	5.51%
2026	Jan	7,615	6,857	758	0.00%	9.96%
	Feb	6,924	6,448	476	0.00%	6.88%
	Mar	8,125	7,538	587	0.00%	7.22%
	Apr	9,220	8,372	848	0.00%	9.19%
	May	9,529	8,673	856	0.00%	8.98%
	Jun	9,916	8,912	1,005	0.00%	10.13%
	Jul	9,061	8,202	859	0.00%	9.48%
	Aug	8,845	8,089	756	0.00%	8.55%
	Sep	9,489	8,671	818	0.00%	8.62%
	Oct	8,964	8,109	855	0.00%	9.53%
	Nov	8,398	7,613	785	0.00%	9.35%
	Dec	8,412	7,951	461	0.00%	5.48%
2027	Jan	8,026	7,231	795	0.00%	9.90%
	Feb	7,298	6,799	499	0.00%	6.84%
	Mar	8,565	7,950	615	0.00%	7.18%
	Apr	9,718	8,829	888	0.00%	9.14%
	May	10,043	9,146	897	0.00%	8.93%
	Jun	10,451	9,398	1,053	0.00%	10.07%
	Jul	9,550	8,649	900	0.00%	9.43%
	Aug	9,323	8,530	792	0.00%	8.50%
	Sep	10,001	9,144	857	0.00%	8.57%
	Oct	9,447	8,552	896	0.00%	9.48%
	Nov	8,851	8,028	823	0.00%	9.29%
	Dec	8,868	8,385	483	0.00%	5.45%
2028	Jan	8,436	7,605	831	0.00%	9.85%
	Feb	7,673	7,151	521	0.00%	6.79%
	Mar	9,004	8,361	643	0.00%	7.14%
	Apr	10,215	9,286	928	0.00%	9.09%
	May	10,557	9,619	938	0.00%	8.88%



	Jun	10,985	9,884	1,100	0.00%	10.02%
	Jul	10,038	9,097	941	0.00%	9.37%
	Aug	9,800	8,972	828	0.00%	8.45%
	Sep	10,513	9,617	896	0.00%	8.52%
	Oct	9,930	8,994	936	0.00%	9.43%
	Nov	9,303	8,444	860	0.00%	9.24%
	Dec	9,324	8,819	505	0.00%	5.42%
2029	Jan	8,845	7,979	866	0.00%	9.79%
	Feb	8,047	7,503	544	0.00%	6.75%
	Mar	9,443	8,773	670	0.00%	7.10%
	Apr	10,711	9,743	968	0.00%	9.04%
	May	11,070	10,092	977	0.00%	8.83%
	Jun	11,518	10,371	1,147	0.00%	9.96%
	Jul	10,525	9,544	981	0.00%	9.32%
	Aug	10,277	9,413	863	0.00%	8.40%
	Sep	11,024	10,091	934	0.00%	8.47%
	Oct	10,413	9,437	976	0.00%	9.37%
	Nov	9,755	8,859	896	0.00%	9.19%
	Dec	9,779	9,253	526	0.00%	5.38%
2030	Jan	9,254	8,354	901	0.00%	9.73%
	Feb	8,420	7,855	565	0.00%	6.71%
	Mar	9,881	9,184	697	0.00%	7.05%
	Apr	11,207	10,200	1,007	0.00%	8.98%
	May	11,582	10,566	1,017	0.00%	8.78%
	Jun	12,050	10,857	1,193	0.00%	9.90%
	Jul	11,012	9,992	1,020	0.00%	9.27%
	Aug	10,753	9,855	898	0.00%	8.35%
	Sep	11,535	10,564	971	0.00%	8.42%
	Oct	10,894	9,880	1,015	0.00%	9.32%
	Nov	10,207	9,275	932	0.00%	9.13%
	Dec	10,234	9,687	548	0.00%	5.35%



Given the fact that the Pampanga total lockdown caused by COVID 19 that resulted to higher demand compared to the projected peak demand for year 2020. After the total lockdown is lifted, the coincident peak demand returned back to its trend wherein the succeeding month demand are in line with the projected demand. Hence, by considering the forecasted demand. The MWh Output was expected to grow at an average rate of 5.2% annually.



Based on forecasted System Loss on a monthly basis from year 2021 to year 2030 the System Loss is expected to range from 10.46% to 5.35%. While the forecasted System Loss on a yearly basis from year 2021 to year 2030 the System Loss is expected to range from 8.96% to 8.42%. Also, the forecasted decrease of PRESCO's System Loss in MWhr is 1.49 % annually.

## Power Supply

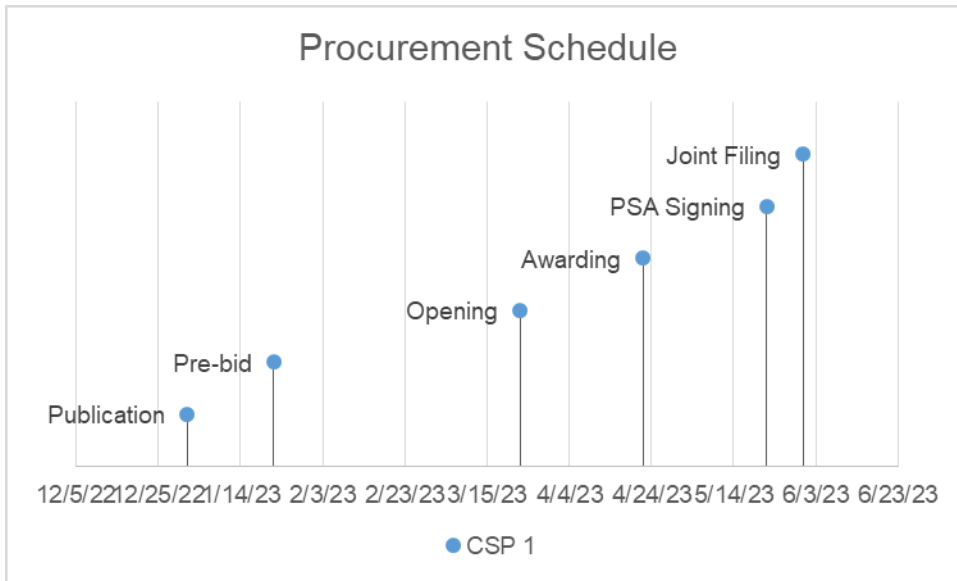
Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2009-105RC	Base	Masinloc Power Partners Company, Ltd.	5.05	2,102	12/26/2009	12/25/2024

The PSA with Masinloc Power Partners Company, Ltd. (MPPCL) filed with ERC under Case No. 2009-105RC was procured through negotiated contract. It was selected to provide for base requirements due to the demand majority for Residential Consumers. Historically, the utilization of the PSA is at 100% due to the fact that in reality the contracted supply inside the PSA is really inadequate, the deficit supply needed by PRESCO is being catered by MPPCL through indirect participation in WESM. The actual billed overall monthly charge under the PSA ranged from 4.61 P/kWh to 6.01 P/KWh for the past year.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2018-063RC	Base	GN Power Dinginin	6.00	38,491	12/26/2019	12/25/2039

The PSA with GN Power Dinginin filed with ERC under Case No. 2018-063 was procured through Competitive Selection Process (CSP) through aggregation (CLECAFLAG) in 2014. It was selected to provide for base requirements due to the demand majority for Residential Consumers. Even though the start of the contract of the said PSA is year 2019, up until now the PSA is currently for approval.

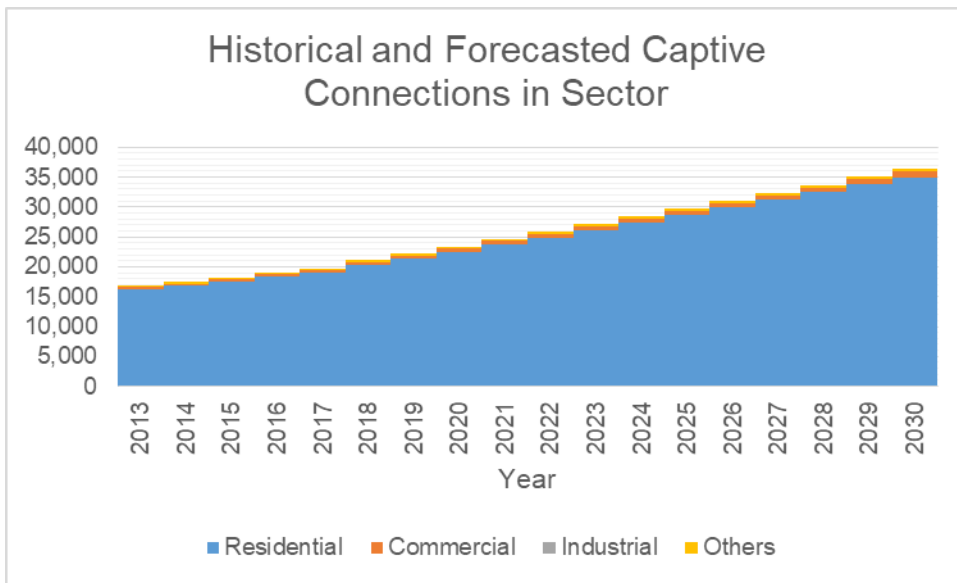
	CSP 1
Type	Base
Minimum MW	8.00
Minimum MWh/yr	27,761
PSA Start	1/1/2025
PSA End	1/1/2045
Publication	1/1/2023
Pre-bid	1/22/2023
Opening	3/23/2023
Awarding	4/22/2023
PSA Signing	5/22/2023
Joint Filing	5/31/2023



MPPCL (2009-105RC) Contract will expire on December 2024 that indicates the year 2023 to start a CSP.

For the procurement of 8MW of supply which is planned to be available on January 1, 2025, the first publication or launch of CSP will be on January of 2023. Joint filing is planned on May of 2023, 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 4.52% annually. Said customer class is expected to account for 75.88% of the total consumption.