



Power Supply Procurement Plan 2025

**LA UNION ELECTRIC COOPERATIVE, INC.
(LUELCO)**

Historical Consumption Data

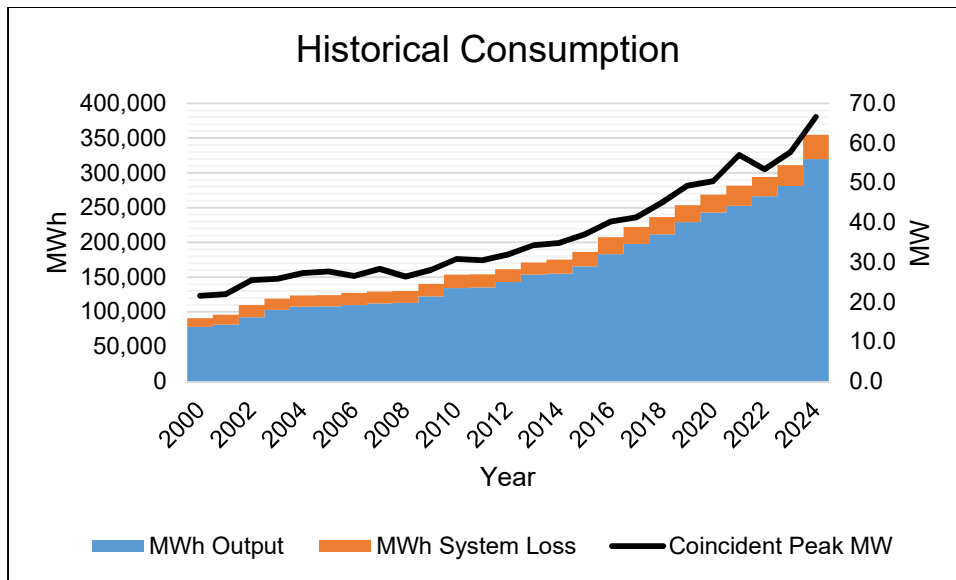
	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	21.56	94,707	0	94,707	78,446	12,761	50%	-3.70%	0.00%	13.47%
2001	21.98	99,790	0	99,790	81,891	14,170	52%	-3.74%	0.00%	14.20%
2002	25.55	111,583	0	111,583	92,415	17,594	50%	-1.41%	0.00%	15.77%
2003	25.87	120,938	0	120,938	102,944	16,340	53%	-1.37%	0.00%	13.51%
2004	27.31	125,222	0	125,222	107,688	15,972	52%	-1.25%	0.00%	12.76%
2005	27.73	125,160	0	125,160	107,968	16,299	52%	-0.71%	0.00%	13.02%
2006	26.55	127,575	0	127,575	109,672	17,525	55%	-0.30%	0.00%	13.74%
2007	28.36	130,123	0	130,123	112,190	16,839	52%	-0.84%	0.00%	12.94%
2008	26.41	130,051	0	130,051	112,922	17,130	56%	0.00%	0.00%	13.17%
2009	28.10	140,287	0	140,287	122,509	17,778	57%	0.00%	0.00%	12.67%
2010	30.86	153,816	0	153,816	134,182	19,635	57%	0.00%	0.00%	12.77%
2011	30.49	154,088	8,276	154,088	135,170	18,918	58%	0.00%	0.00%	12.28%
2012	31.98	163,402	12,773	161,543	142,966	18,577	58%	0.00%	1.14%	11.50%
2013	34.30	173,057	94,729	171,028	153,718	17,310	57%	0.00%	1.17%	10.12%
2014	34.85	176,955	51,168	175,177	154,886	20,291	57%	0.00%	1.00%	11.58%
2015	37.02	188,138	37,554	186,124	165,785	20,339	57%	0.00%	1.07%	10.93%
2016	40.28	209,881	27,683	207,444	183,148	24,296	59%	0.00%	1.16%	11.71%
2017	41.34	225,011	48,299	222,136	197,993	24,144	61%	0.00%	1.28%	10.87%
2018	45.05	238,948	72,376	236,612	211,398	25,214	60%	0.00%	0.98%	10.66%
2019	49.25	260,633	44,218	253,571	229,291	24,280	59%	0.00%	2.71%	9.58%
2020	50.43	275,588	30,098	268,817	243,099	25,718	61%	0.00%	2.46%	9.57%
2021	57.02	283,286	48,406	281,561	252,390	29,172	56%	0.00%	0.61%	10.36%
2022	53.42	299,752	38,416	294,222	266,397	27,825	63%	0.00%	1.85%	9.46%
2023	57.69	314,884	41,538	311,249	281,132	30,117	62%	0.00%	1.15%	9.68%
2024	66.64	358,911	52,543	354,635	319,963	34,672	61%	0.00%	1.19%	9.78%

Peak Demand increased from 21.56 MW in 2000 to 66.64 MW in 2024 at an annual average growth rate of 4.98% due to growing load demand.

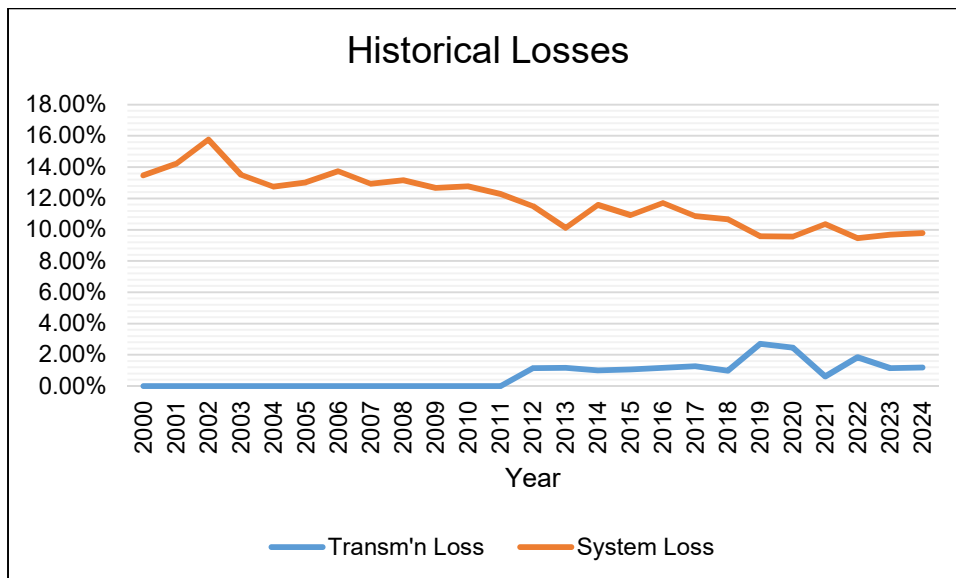
MWh Offtake increased from 94,707 MWh in 2000 to 358,911 MWh in 2024 at an annual average growth rate of 5.77% due to increasing member

consumer owners. Within the same period, Load Factor ranged from 50% to 61%. From 2016 onwards, electricity consumption experienced a series of significant surges driven by distinct factors. Initially, an increase in industrial customer base propelled growth starting in 2016. Subsequently, the COVID-19 pandemic triggered another substantial spike in 2021, reaching 57.02 MW, primarily due to widespread work-from-home arrangements. Most recently, in 2024, extreme heat events with record-breaking temperatures further amplified electricity demand, highlighting the dynamic nature of energy consumption patterns.

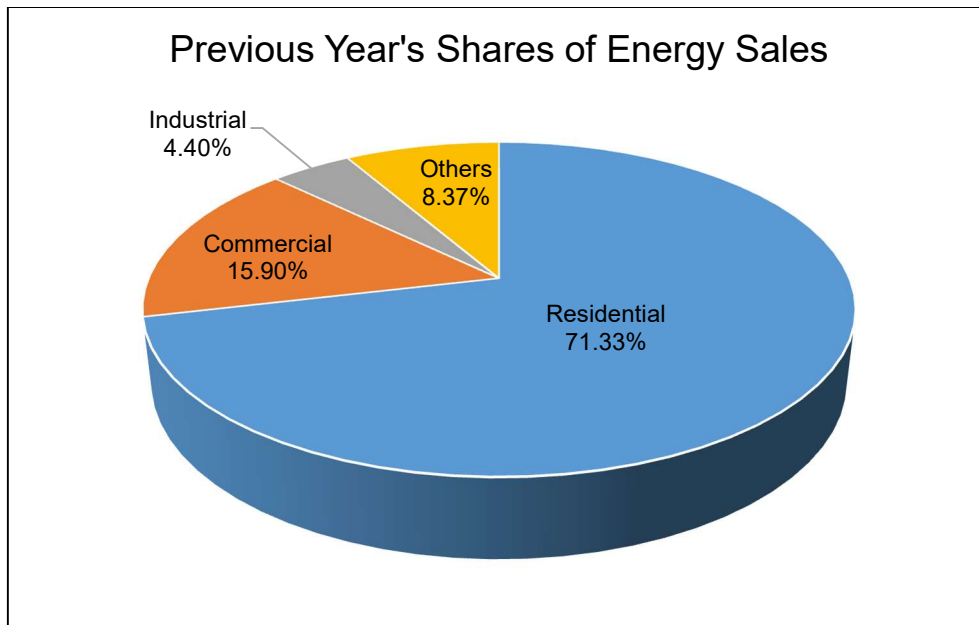
*Note: For MWh Output, the values for Public Building, Streetlights, and Water System for the year 2000 to 2010 were key in to all others. And to sanitize the historical (MWh Sales New vs. Old) we have included the MWh Sales (Old) all others to Low voltage of MWh Sales New. The MWh Offtake is greater from 2012 to 2023 because the data used are the bills coming from generators and WESM while the MWh Input, the NGCP Bill was used. The Coincident Peak values are extracted from the NGCP Billing determinants (BDD) on a monthly basis. The negative non-technical loss in the historical sheet was corrected due to incorrect input.



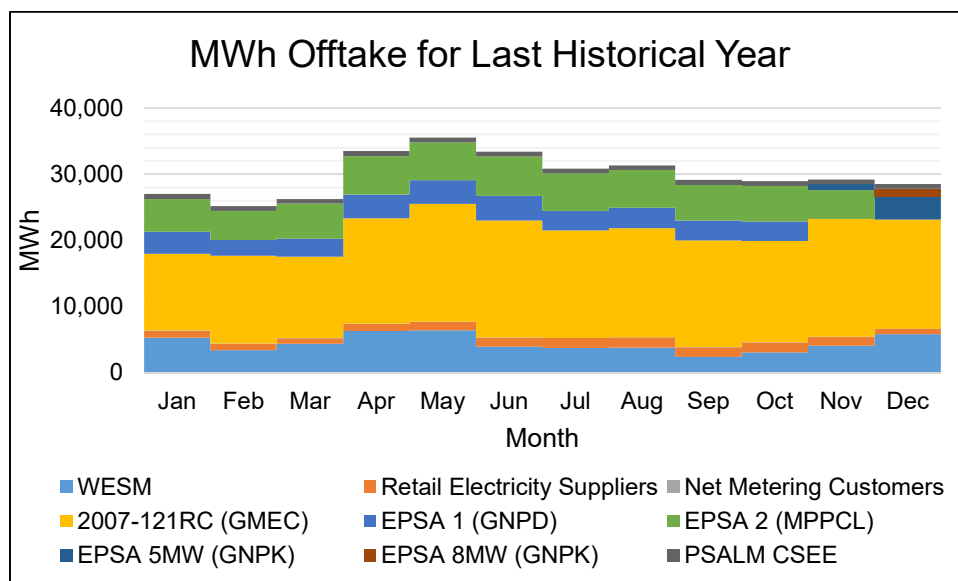
MWh Output increased from year 2000 to year 2024 at an annual average growth rate of 6.10%, while MWh System Loss increased at an annual average growth rate of 4.59% within the same period.



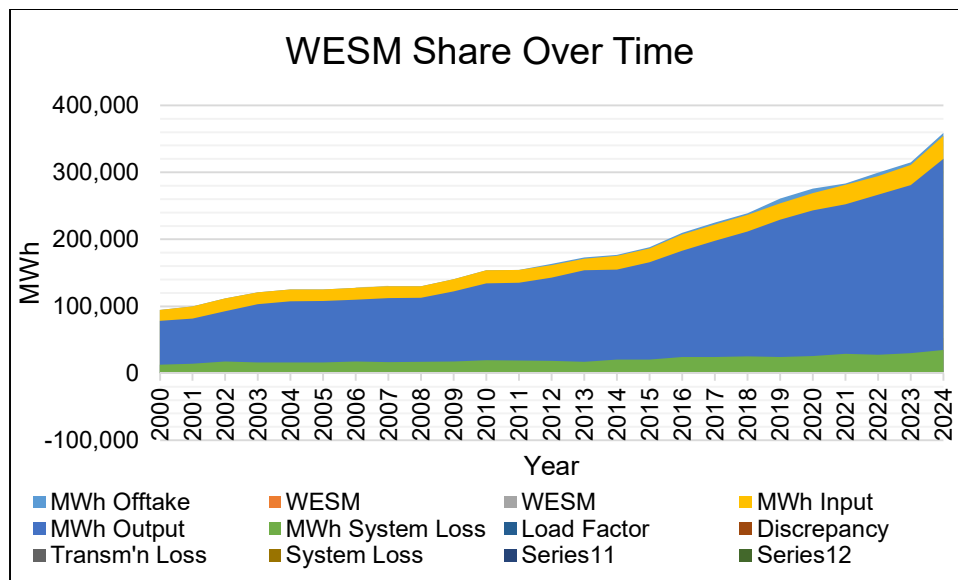
Historically, Transmission Loss ranged from 0.61% to 2.71% while System Loss ranged from 15.77% to 9.46%. Transmission Loss peaked at 2.71% on year 2019 because of the increase in the load. System Loss peaked at 15.77% on year 2002 because of series of typhoons occurred resulting in decreased energy sales.



Residential customers account for the bulk of energy sales at 71.33% due to the high number of connections. In contrast, Industrial customers accounted for only 4.40% of energy sales due to the low number of connections. This decline is particularly in our industrial customers in Rosario La Union, where several crushing plants have closed due to resource depletion.

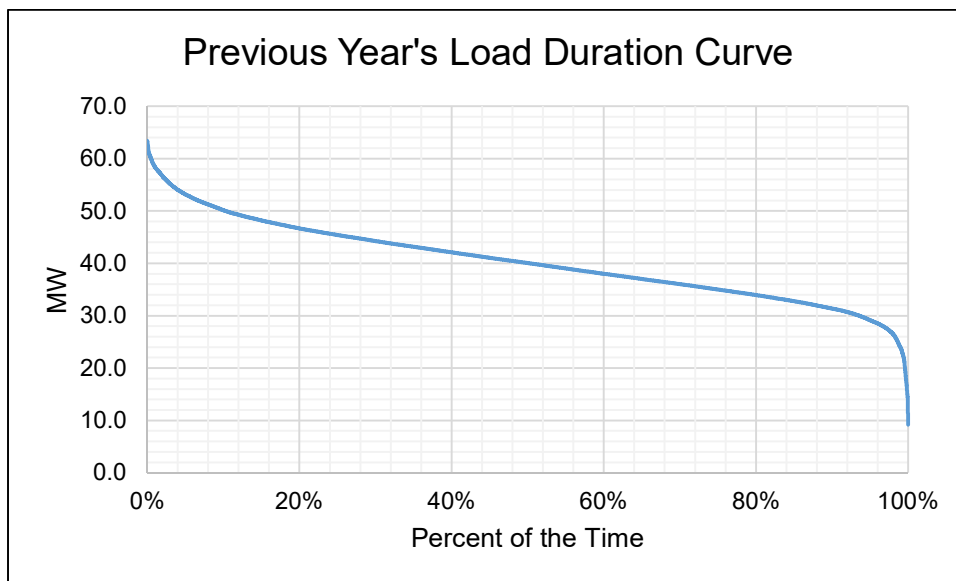


For 2024, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. The PSA with 2007-121 RC (GMEC) accounts for the bulk of MWh Offtake.

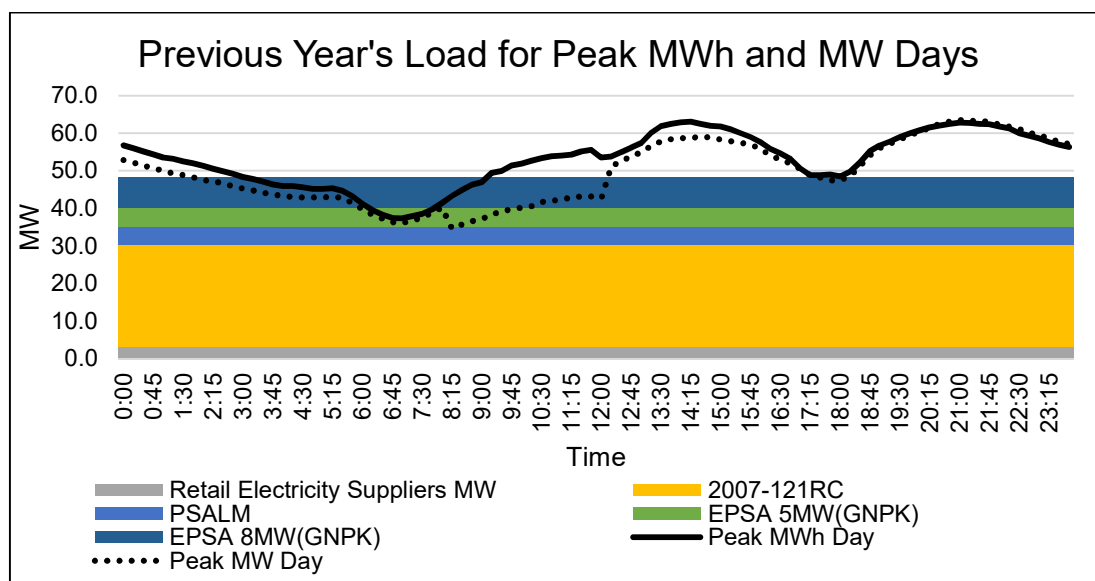


WESM Offtake increased from 41,538 MWh in 2023 to 52,543 MWh in 2024 at a rate of 26.49% due to increase in energy. The share of WESM in the total Offtake ranged from 5% in 2011 to 14.82% in 2024.

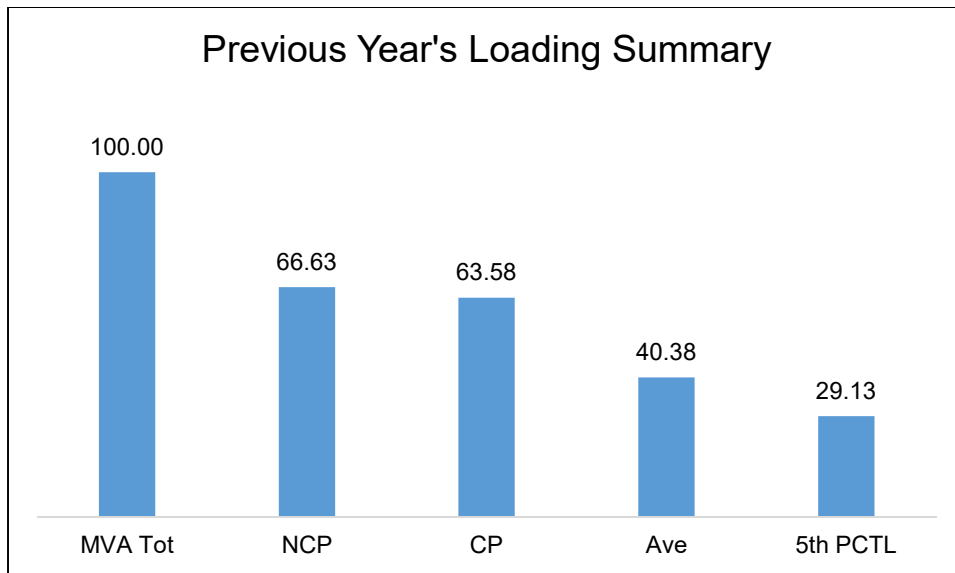
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 9.19 MW and the maximum load is 63.57 MW for the last historical year. * Note that the data was inputted from the NGCP Load profile per metering, which is sent every month along with their billing.



Peak MW occurred on 21:00 due to peak usage of residential customers. Peak daily MWh occurred on 21:00 due to an increase in the energy usage of customers. As shown in the Load Curves, the available supply is lower than the Peak Demand.



The Non-coincident Peak Demand is 66.63 MW, which is around 67% of the total substation capacity of 100 MVA at a power factor of 98%. The load factor or the ratio between the Average Load of 40.38 MW and the Non-coincident Peak Demand is 60.60%. A safe estimate of the true minimum load is the fifth percentile load of 29.13 MW which is 43.72% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
BAUANG METERING POINT 1	65	37.6657
BAUANG METERING POINT 2	10	7.1453
BACNOTAN METERING POINT	25	21.8160

The substations loaded at above 70% is the Balaoan Substation and Bacnotan Substation under the Bacnotan Metering Point and Aringay Substation under the Bauang Metering Point. This loading problem will be solved by installing a new 15 MVA Substation at Bangar, La Union, Upgrading/Uprating the 10 MVA Power Transformer of Bacnotan Substation to 20 MVA, and installing additional power transformer at Aringay Substation.

Forecasted Consumption Data

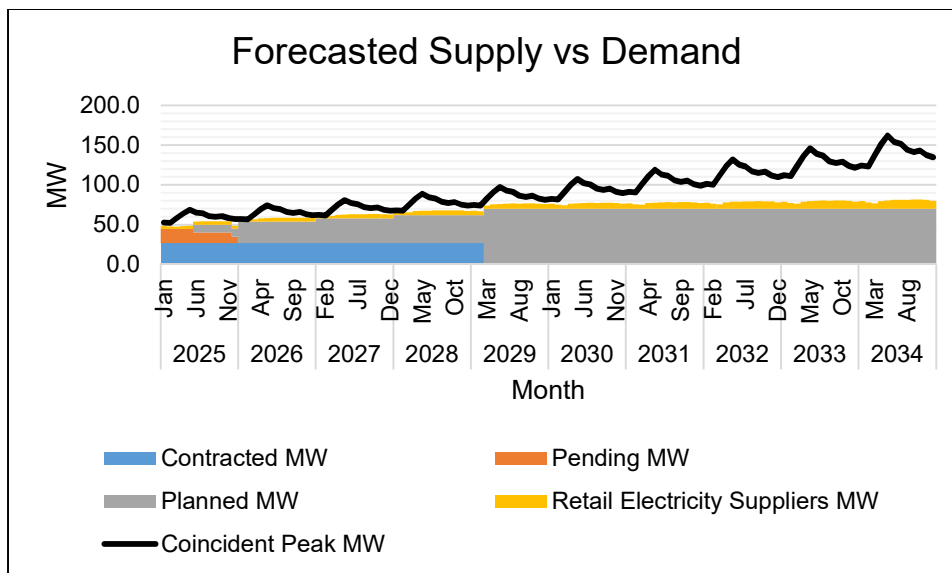
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2025	Jan	52.63	27.00	17.80	0.000	3.52	55%	91%	-4.32
	Feb	52.12	27.00	17.80	0.000	2.91	55%	91%	-4.40
	Mar	58.26	27.00	17.80	0.000	2.56	48%	80%	-10.90
	Apr	64.01	27.00	17.80	0.000	3.53	45%	74%	-15.67
	May	68.55	27.00	17.80	0.000	3.89	42%	69%	-19.86
	Jun	65.22	27.00	13.00	10.000	4.05	44%	82%	-11.17
	Jul	64.13	27.00	13.00	10.000	4.17	45%	83%	-9.96
	Aug	60.85	27.00	13.00	10.000	4.12	48%	88%	-6.74
	Sep	59.75	27.00	13.00	10.000	4.28	49%	90%	-5.46
	Oct	60.64	27.00	13.00	10.000	4.22	48%	89%	-6.42
	Nov	58.16	27.00	13.00	10.000	4.12	50%	93%	-4.04
	Dec	57.04	27.00	8.00	10.000	3.67	51%	84%	-8.36
2026	Jan	57.05	27.00	0.00	27.00	3.93	51%	102%	0.87
	Feb	56.50	27.00	0.00	27.00	3.26	51%	101%	0.76
	Mar	63.15	27.00	0.00	27.00	2.86	45%	90%	-6.29
	Apr	69.38	27.00	0.00	27.00	3.95	41%	83%	-11.43
	May	74.31	27.00	0.00	27.00	4.35	39%	77%	-15.96
	Jun	70.70	27.00	0.00	27.00	4.54	41%	82%	-12.16
	Jul	69.52	27.00	0.00	27.00	4.67	42%	83%	-10.85
	Aug	65.97	27.00	0.00	27.00	4.61	44%	88%	-7.36
	Sep	64.77	27.00	0.00	27.00	4.80	45%	90%	-5.96
	Oct	65.74	27.00	0.00	27.00	4.73	44%	89%	-7.00
	Nov	63.04	27.00	0.00	27.00	4.62	46%	92%	-4.42
	Dec	61.83	27.00	0.00	27.00	4.12	47%	94%	-3.71
2027	Jan	62.18	27.00	0.00	31.000	4.41	47%	100%	0.23
	Feb	61.58	27.00	0.00	31.000	3.66	47%	100%	0.08
	Mar	68.83	27.00	0.00	31.000	3.21	41%	88%	-7.62
	Apr	75.62	27.00	0.00	31.000	4.44	38%	81%	-13.18

	May	80.99	27.00	0.00	31.000	4.89	35%	76%	-18.10
	Jun	77.05	27.00	0.00	31.000	5.09	38%	81%	-13.96
	Jul	75.76	27.00	0.00	31.000	5.24	38%	82%	-12.53
	Aug	71.90	27.00	0.00	31.000	5.18	40%	87%	-8.72
	Sep	70.59	27.00	0.00	31.000	5.39	41%	89%	-7.19
	Oct	71.64	27.00	0.00	31.000	5.32	41%	87%	-8.32
	Nov	68.71	27.00	0.00	31.000	5.19	43%	91%	-5.52
	Dec	67.39	27.00	0.00	31.000	4.63	43%	92%	-4.76
2028	Jan	68.10	27.00	0.00	35.00	4.95	43%	98%	-1.14
	Feb	67.43	27.00	0.00	35.00	4.11	43%	98%	-1.32
	Mar	75.37	27.00	0.00	35.00	3.61	38%	86%	-9.77
	Apr	82.81	27.00	0.00	35.00	4.99	35%	80%	-15.82
	May	88.69	27.00	0.00	35.00	5.49	32%	75%	-21.20
	Jun	84.38	27.00	0.00	35.00	5.72	34%	79%	-16.65
	Jul	82.97	27.00	0.00	35.00	5.89	35%	80%	-15.08
	Aug	78.73	27.00	0.00	35.00	5.82	37%	85%	-10.91
	Sep	77.30	27.00	0.00	35.00	6.06	38%	87%	-9.24
	Oct	78.46	27.00	0.00	35.00	5.98	37%	86%	-10.48
	Nov	75.24	27.00	0.00	35.00	5.83	39%	89%	-7.41
	Dec	73.79	27.00	0.00	35.00	5.20	39%	90%	-6.59
2029	Jan	74.87	27.00	0.00	35.000	5.56	39%	89%	-7.31
	Feb	74.14	27.00	0.00	35.000	4.62	39%	89%	-7.52
	Mar	82.87	0.00	0.00	70.000	4.05	0%	89%	-8.82
	Apr	91.05	0.00	0.00	70.000	5.60	0%	82%	-15.45
	May	97.51	0.00	0.00	70.000	6.17	0%	77%	-21.35
	Jun	92.77	0.00	0.00	70.000	6.43	0%	81%	-16.34
	Jul	91.22	0.00	0.00	70.000	6.61	0%	83%	-14.61
	Aug	86.57	0.00	0.00	70.000	6.53	0%	87%	-10.03
	Sep	84.99	0.00	0.00	70.000	6.80	0%	90%	-8.19
	Oct	86.26	0.00	0.00	70.000	6.71	0%	88%	-9.55
	Nov	82.73	0.00	0.00	70.000	6.54	0%	92%	-6.19
	Dec	81.13	0.00	0.00	70.000	5.84	0%	93%	-5.30
2030	Jan	82.59	0.00	0.00	70.000	6.24	0%	92%	-6.34

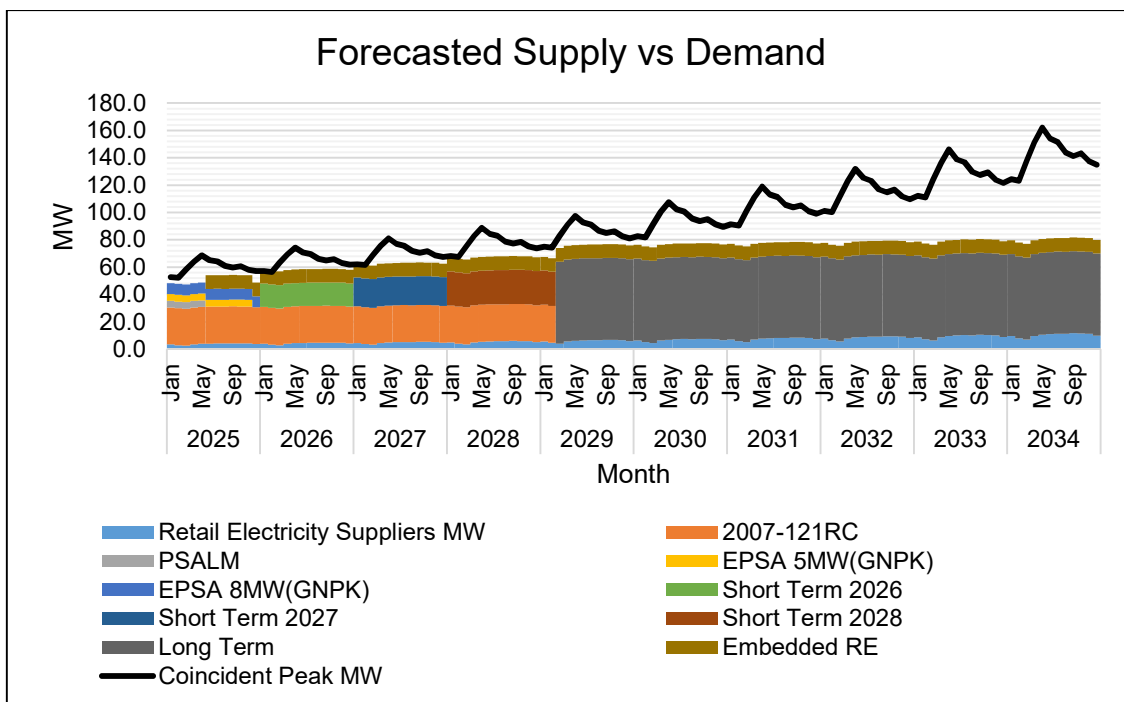
	Feb	81.78	0.00	0.00	70.000	5.18	0%	91%	-6.60
	Mar	91.42	0.00	0.00	70.000	4.54	0%	81%	-16.87
	Apr	100.43	0.00	0.00	70.000	6.28	0%	74%	-24.15
	May	107.56	0.00	0.00	70.000	6.91	0%	70%	-30.65
	Jun	102.33	0.00	0.00	70.000	7.20	0%	74%	-25.13
	Jul	100.63	0.00	0.00	70.000	7.41	0%	75%	-23.22
	Aug	95.49	0.00	0.00	70.000	7.32	0%	79%	-18.17
	Sep	93.75	0.00	0.00	70.000	7.62	0%	81%	-16.13
	Oct	95.15	0.00	0.00	70.000	7.51	0%	80%	-17.64
	Nov	91.25	0.00	0.00	70.000	7.32	0%	83%	-13.93
	Dec	89.50	0.00	0.00	70.000	6.53	0%	84%	-12.96
2031	Jan	91.32	0.00	0.00	70.000	6.99	0%	83%	-14.34
	Feb	90.43	0.00	0.00	70.000	5.79	0%	83%	-14.64
	Mar	101.09	0.00	0.00	70.000	5.08	0%	73%	-26.00
	Apr	111.05	0.00	0.00	70.000	7.02	0%	67%	-34.03
	May	118.94	0.00	0.00	70.000	7.73	0%	63%	-41.21
	Jun	113.16	0.00	0.00	70.000	8.05	0%	67%	-35.11
	Jul	111.27	0.00	0.00	70.000	8.28	0%	68%	-32.99
	Aug	105.59	0.00	0.00	70.000	8.18	0%	72%	-27.41
	Sep	103.66	0.00	0.00	70.000	8.51	0%	74%	-25.15
	Oct	105.22	0.00	0.00	70.000	8.39	0%	72%	-26.83
	Nov	100.91	0.00	0.00	70.000	8.18	0%	75%	-22.73
	Dec	98.96	0.00	0.00	70.000	7.29	0%	76%	-21.67
2032	Jan	101.16	0.00	0.00	70.000	7.79	0%	75%	-23.36
	Feb	100.17	0.00	0.00	70.000	6.46	0%	75%	-23.71
	Mar	111.97	0.00	0.00	70.000	5.67	0%	66%	-36.30
	Apr	123.01	0.00	0.00	70.000	7.83	0%	61%	-45.19
	May	131.75	0.00	0.00	70.000	8.61	0%	57%	-53.13
	Jun	125.34	0.00	0.00	70.000	8.97	0%	60%	-46.37
	Jul	123.25	0.00	0.00	70.000	9.22	0%	61%	-44.03
	Aug	116.96	0.00	0.00	70.000	9.11	0%	65%	-37.85
	Sep	114.83	0.00	0.00	70.000	9.48	0%	66%	-35.35
	Oct	116.55	0.00	0.00	70.000	9.34	0%	65%	-37.21

	Nov	111.77	0.00	0.00	70.000	9.10	0%	68%	-32.67
	Dec	109.62	0.00	0.00	70.000	8.11	0%	69%	-31.51
2033	Jan	112.17	0.00	0.00	70.000	8.67	0%	68%	-33.50
	Feb	111.07	0.00	0.00	70.000	7.18	0%	67%	-33.89
	Mar	124.16	0.00	0.00	70.000	6.30	0%	59%	-47.86
	Apr	136.40	0.00	0.00	70.000	8.70	0%	55%	-57.70
	May	146.09	0.00	0.00	70.000	9.57	0%	51%	-66.52
	Jun	138.99	0.00	0.00	70.000	9.97	0%	54%	-59.02
	Jul	136.67	0.00	0.00	70.000	10.24	0%	55%	-56.43
	Aug	129.69	0.00	0.00	70.000	10.11	0%	59%	-49.57
	Sep	127.33	0.00	0.00	70.000	10.52	0%	60%	-46.81
	Oct	129.23	0.00	0.00	70.000	10.36	0%	59%	-48.87
	Nov	123.94	0.00	0.00	70.000	10.09	0%	61%	-43.84
	Dec	121.55	0.00	0.00	70.000	9.00	0%	62%	-42.56
2034	Jan	124.43	0.00	0.00	70.000	9.61	0%	61%	-44.82
	Feb	123.22	0.00	0.00	70.000	7.96	0%	61%	-45.26
	Mar	137.74	0.00	0.00	70.000	6.98	0%	54%	-60.75
	Apr	151.32	0.00	0.00	70.000	9.64	0%	49%	-71.68
	May	162.06	0.00	0.00	70.000	10.60	0%	46%	-81.47
	Jun	154.18	0.00	0.00	70.000	11.03	0%	49%	-73.15
	Jul	151.61	0.00	0.00	70.000	11.33	0%	50%	-70.28
	Aug	143.87	0.00	0.00	70.000	11.19	0%	53%	-62.68
	Sep	141.25	0.00	0.00	70.000	11.63	0%	54%	-59.61
	Oct	143.37	0.00	0.00	70.000	11.46	0%	53%	-61.91
	Nov	137.49	0.00	0.00	70.000	11.16	0%	55%	-56.33
	Dec	134.84	0.00	0.00	70.000	9.94	0%	56%	-54.90

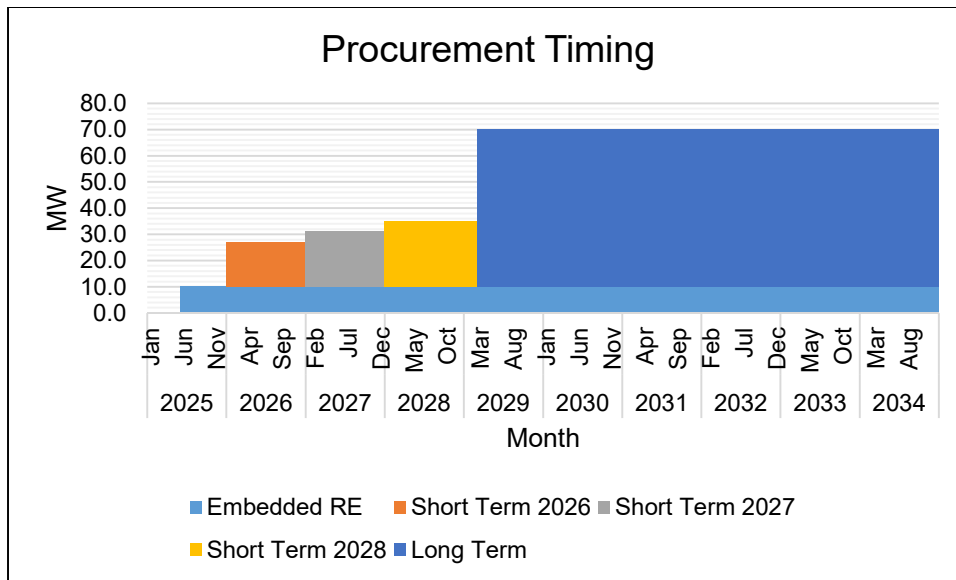
The Peak Demand was forecasted using NEA Forecasting Matrix 50 Models and was assumed to occur on the month of May due to the summer or dry season. Monthly Peak Demand is at its lowest on the months of January and February due to low usage of energy. In general, Peak Demand is expected to grow at an average rate of 10.04% annually. The deficit on the forecasted supply, LUELCO will be exploring opportunities to secure additional power supply contracts from renewable energy sources. The negative energy (MWh) in WESM is because the forecasted contracted energy (MWh) is bigger than the forecasted purchased (MWh) on those months for the reason that the energy usage for those months are low.



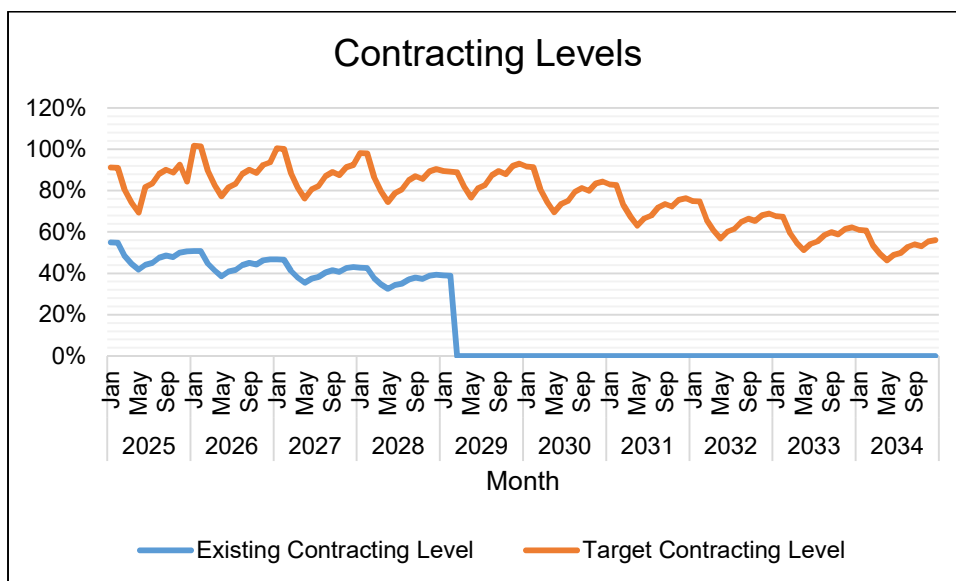
The available supply is generally below the Peak Demand. This is because of the growing demand and number of customers annually.



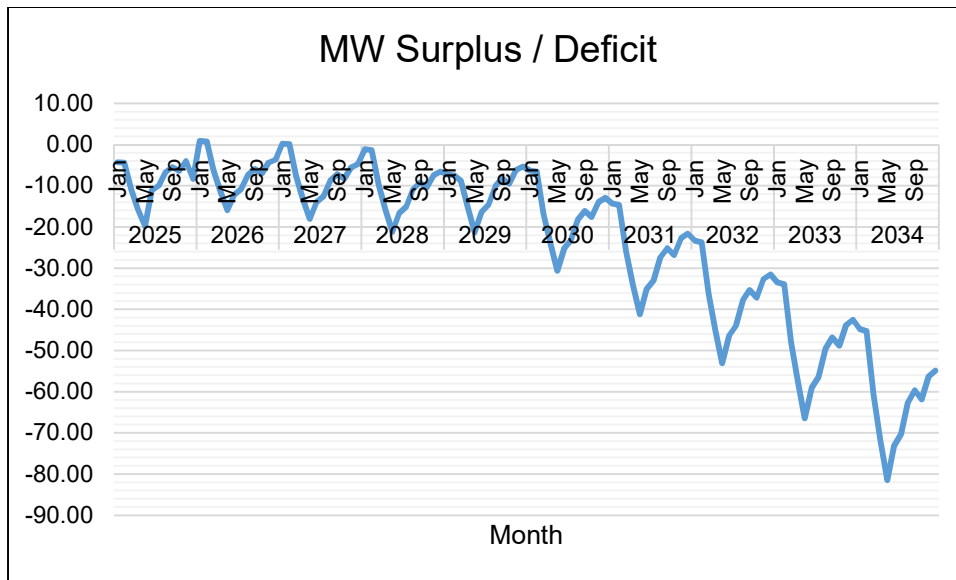
Of the available supply, the largest is 27 MW from 2007-121RC (GN Power Mariveles Energy Center Ltd. Co.). This is followed by 8 MW coming from the Emergency Power Supply Agreement with the GN Power Kauswagan Ltd. And 5 MW from Emergency Power Supply Agreement also with GN Power Kauswagan Ltd. Also, with 4.8 MW from the Contract for the Supply of Electric Energy (CSEE) with the Power Sector Assets and Liabilities Management Corporation (PSALM). We have also included the proposed embedded renewable energy in the planned contract with a total of 10 MW. And lastly, we have planned to have a Short Term CSP for the year 2026 to 2028 and a long term CSP starting 2029.



The first wave of supply procurement will be for Short Term CSP Starting 2026 with 17 MW, 2027 with 21 MW, and 25 MW for 2028 for the base load requirement. And a Long term CSP will follow on year 2029 with a demand requirement of 60 MW. Also included is the planned Renewable Energy embedded with a total of 10 MW.



Currently, there is under-contracting on the average of 33%. The highest target contracting level is 102% which is expected to occur on January 2026. The lowest target contracting level is 46% which is expected to occur on May 2034.



Currently, there is under-contacting by 21.84 MW. The highest deficit is 81.47 MW which is expected to occur on the month of May 2034. The lowest deficit is .87 MW which is expected to occur on the month of January 2026.

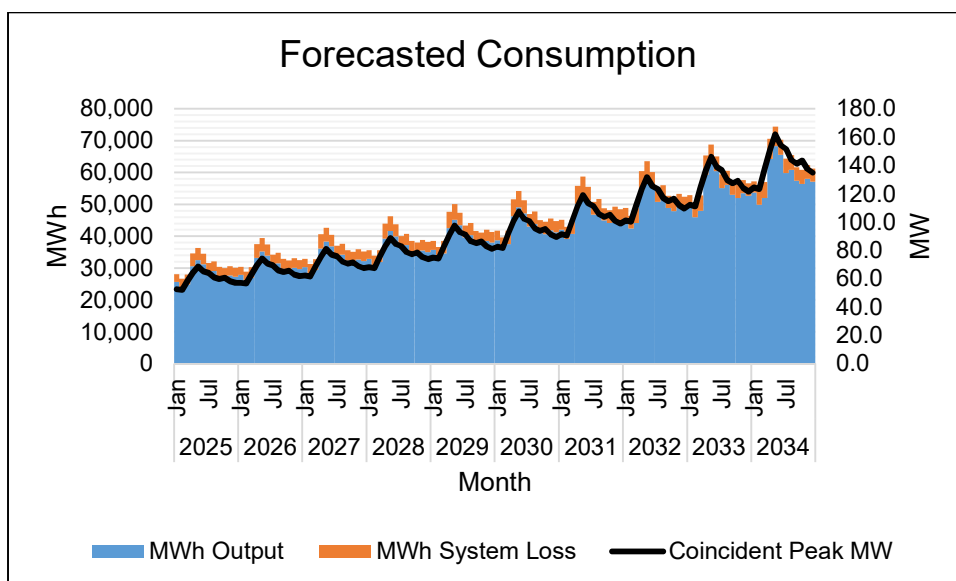
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2025	Jan	28,302	25,674	2,360	0.95%	8.42%
	Feb	27,274	23,930	2,753	2.17%	10.32%
	Mar	28,222	24,887	3,042	1.03%	10.89%
	Apr	34,971	30,574	3,997	1.14%	11.56%
	May	36,639	32,462	3,896	0.77%	10.71%
	Jun	34,699	31,207	3,322	0.49%	9.62%
	Jul	31,915	28,519	3,026	1.16%	9.59%
	Aug	32,629	29,037	3,085	1.55%	9.60%
	Sep	30,665	27,469	2,885	1.01%	9.51%
	Oct	30,212	26,924	3,010	0.92%	10.05%
	Nov	30,989	27,701	2,889	1.29%	9.45%
	Dec	30,267	27,294	2,743	0.76%	9.13%
2026	Jan	30,869	27,879	2,485	1.64%	8.18%
	Feb	29,403	25,975	2,926	1.71%	10.13%
	Mar	30,590	27,017	3,268	1.00%	10.79%
	Apr	37,970	33,210	4,263	1.31%	11.38%
	May	39,692	35,255	4,139	0.75%	10.51%
	Jun	37,981	33,889	3,485	1.60%	9.32%
	Jul	34,757	30,964	3,191	1.73%	9.34%
	Aug	35,384	31,526	3,260	1.69%	9.37%
	Sep	33,178	29,827	3,031	0.96%	9.22%
	Oct	32,759	29,242	3,177	1.04%	9.80%
	Nov	33,630	30,086	3,046	1.48%	9.19%
	Dec	32,765	29,649	2,895	0.67%	8.90%
2027	Jan	33,383	30,276	2,611	1.49%	7.94%
	Feb	31,595	28,197	3,100	0.95%	9.90%
	Mar	33,115	29,332	3,493	0.88%	10.64%

	Apr	40,717	36,078	4,529	0.27%	11.15%
	May	42,984	38,297	4,382	0.71%	10.27%
	Jun	40,847	36,809	3,648	0.95%	9.02%
	Jul	37,282	33,625	3,357	0.80%	9.08%
	Aug	37,957	34,233	3,434	0.76%	9.12%
	Sep	35,964	32,389	3,176	1.11%	8.93%
	Oct	35,400	31,760	3,344	0.84%	9.53%
	Nov	36,183	32,679	3,203	0.83%	8.93%
	Dec	35,605	32,208	3,047	0.98%	8.64%
2028	Jan	35,714	32,877	2,736	0.28%	7.68%
	Feb	34,171	30,606	3,273	0.85%	9.66%
	Mar	35,752	31,844	3,719	0.53%	10.46%
	Apr	44,288	39,194	4,795	0.68%	10.90%
	May	46,729	41,606	4,625	1.07%	10.00%
	Jun	44,201	39,982	3,812	0.92%	8.70%
	Jul	40,243	36,518	3,523	0.50%	8.80%
	Aug	41,146	37,175	3,608	0.88%	8.85%
	Sep	38,791	35,171	3,322	0.77%	8.63%
	Oct	38,210	34,493	3,511	0.54%	9.24%
	Nov	39,157	35,493	3,360	0.78%	8.65%
	Dec	38,387	34,983	3,199	0.53%	8.38%
2029	Jan	38,862	35,699	2,862	0.78%	7.42%
	Feb	36,969	33,217	3,446	0.83%	9.40%
	Mar	38,811	34,569	3,944	0.77%	10.24%
	Apr	48,131	42,576	5,062	1.02%	10.63%
	May	50,277	45,204	4,868	0.41%	9.72%
	Jun	47,897	43,429	3,975	1.03%	8.39%
	Jul	43,546	39,661	3,689	0.45%	8.51%
	Aug	44,455	40,371	3,782	0.68%	8.57%
	Sep	42,060	38,189	3,467	0.96%	8.32%
	Oct	41,543	37,457	3,678	0.98%	8.94%
	Nov	42,565	38,546	3,517	1.18%	8.36%
	Dec	41,662	37,990	3,351	0.77%	8.11%
2030	Jan	42,114	38,757	2,987	0.88%	7.16%
	Feb	39,901	36,046	3,620	0.59%	9.13%
	Mar	42,391	37,522	4,169	1.65%	10.00%
	Apr	51,774	46,245	5,328	0.39%	10.33%
	May	54,529	49,111	5,111	0.56%	9.43%
	Jun	51,807	47,171	4,138	0.96%	8.07%
	Jul	47,527	43,073	3,854	1.26%	8.21%
	Aug	48,297	43,838	3,956	1.04%	8.28%
	Sep	45,365	41,459	3,613	0.65%	8.02%
	Oct	45,016	40,668	3,845	1.12%	8.64%
	Nov	45,865	41,856	3,674	0.73%	8.07%
	Dec	45,240	41,247	3,503	1.09%	7.83%
2031	Jan	45,682	42,069	3,112	1.10%	6.89%
	Feb	43,095	39,107	3,793	0.45%	8.84%
	Mar	45,778	40,720	4,395	1.45%	9.74%
	Apr	55,923	50,222	5,594	0.19%	10.02%

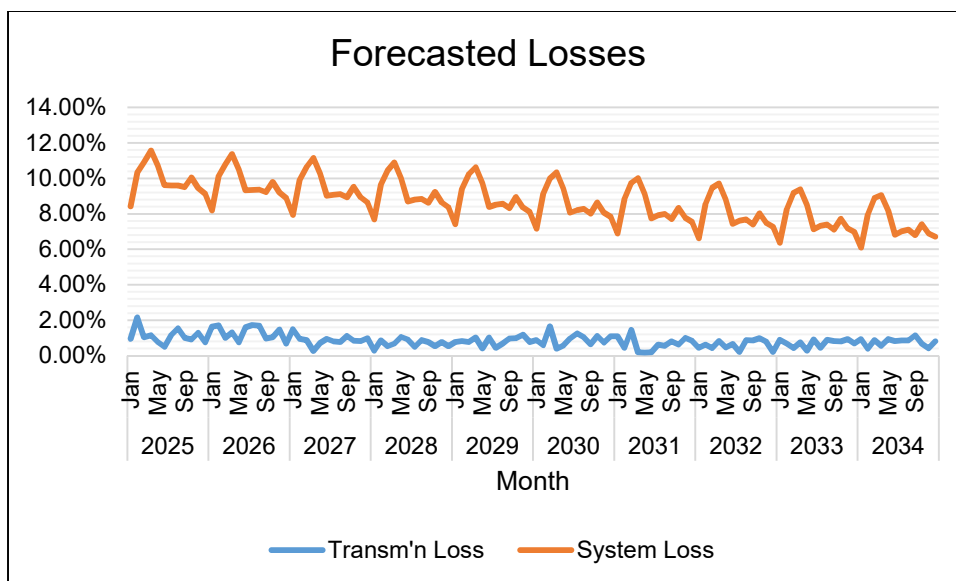
	May	58,806	53,352	5,354	0.17%	9.12%
	Jun	55,637	51,229	4,302	0.19%	7.75%
	Jul	51,113	46,773	4,020	0.63%	7.91%
	Aug	52,018	47,597	4,130	0.56%	7.98%
	Sep	49,158	45,003	3,758	0.81%	7.71%
	Oct	48,463	44,145	4,012	0.63%	8.33%
	Nov	49,769	45,441	3,830	1.00%	7.77%
	Dec	48,836	44,771	3,655	0.84%	7.55%
2032	Jan	49,111	45,653	3,238	0.45%	6.62%
	Feb	46,679	42,418	3,966	0.63%	8.55%
	Mar	49,008	44,182	4,620	0.42%	9.47%
	Apr	60,887	54,530	5,860	0.82%	9.70%
	May	63,839	57,951	5,597	0.46%	8.81%
	Jun	60,492	55,626	4,465	0.66%	7.43%
	Jul	55,087	50,782	4,186	0.22%	7.62%
	Aug	56,470	51,670	4,304	0.88%	7.69%
	Sep	53,201	48,837	3,904	0.86%	7.40%
	Oct	52,604	47,907	4,179	0.98%	8.02%
	Nov	53,729	49,321	3,987	0.78%	7.48%
	Dec	52,497	48,584	3,807	0.20%	7.27%
2033	Jan	53,372	49,528	3,363	0.90%	6.36%
	Feb	50,476	45,996	4,140	0.67%	8.26%
	Mar	52,999	47,924	4,845	0.43%	9.18%
	Apr	65,817	59,190	6,126	0.76%	9.38%
	May	68,972	62,932	5,840	0.29%	8.49%
	Jun	65,614	60,386	4,628	0.91%	7.12%
	Jul	59,744	55,122	4,352	0.45%	7.32%
	Aug	61,107	56,079	4,479	0.90%	7.40%
	Sep	57,503	52,984	4,049	0.82%	7.10%
	Oct	56,780	51,974	4,346	0.81%	7.72%
	Nov	58,201	53,517	4,144	0.93%	7.19%
	Dec	57,053	52,703	3,959	0.69%	6.99%
2034	Jan	57,742	53,713	3,489	0.94%	6.10%
	Feb	54,379	49,858	4,313	0.38%	7.96%
	Mar	57,536	51,965	5,071	0.87%	8.89%
	Apr	71,012	64,227	6,392	0.55%	9.05%
	May	75,102	68,320	6,083	0.93%	8.18%
	Jun	70,913	65,532	4,792	0.83%	6.81%
	Jul	64,892	59,815	4,517	0.86%	7.02%
	Aug	66,067	60,844	4,653	0.86%	7.10%
	Sep	62,377	57,463	4,194	1.15%	6.80%
	Oct	61,278	56,365	4,513	0.65%	7.41%
	Nov	62,610	58,049	4,301	0.42%	6.90%
	Dec	61,759	57,149	4,110	0.81%	6.71%

MWh Offtake was forecasted using NEA Forecasting Matrix 50 Models.

System Loss was calculated through a Load Flow Study conducted by using the Distribution System Application Software Package 1 (DSAS). Based on the same study, the Distribution System can adequately convey electricity to customers.



MWh Output was expected to grow at an average rate of 8.57% annually.



Transmission Loss is expected to range from 0.17% to 2.17% while System Loss is expected to range from 6.10% to 11.56%.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	Maximum MW	Maximum MWh/yr	PSA Start	PSA End
2007-121RC	Base	GN Power Mariveles Coal Plant Ltd.	18.90	165,564	27	236,520	2/26/2014	2/25/2029

The Power Supply Agreement (PSA) with the GN Power Mariveles Coal Plant Ltd. that was filed with the ERC under Case No. 2007-121RC was procured through contracting. It was selected to provide for the base requirements due to the transition period under the 2001 EPIRA Law. Historically, the utilization of PSA is an average of 72.89% in 2022. Outages of the plant led to unserved energy in the past year. The actual billed overall monthly charge under the PSA ranged from 7.57 Php/kWh to 12.13 Php/KWh in 2022.

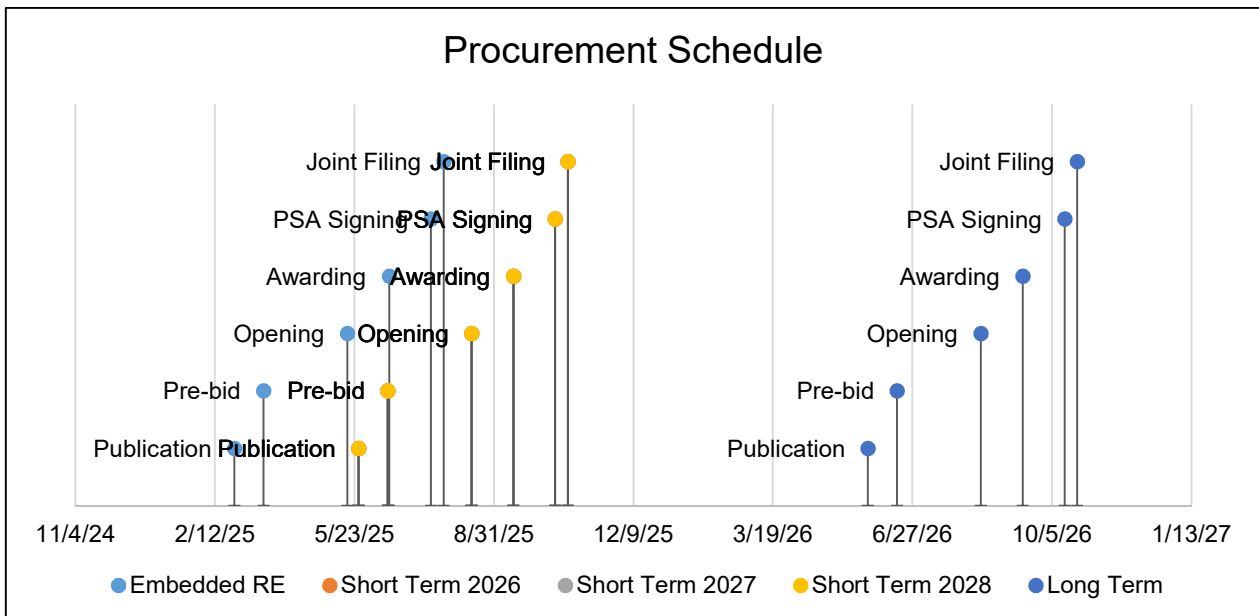
Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	Maximum MW	Maximum MWh/yr	PSA Start	PSA End
PSALM	Base	Power Sector Assets and Liabilities Management Corporation	2.40	3,262.5	4.8	6,552	5/26/2024	5/25/2025
EPSA 5MW(GNPK)	Base	GN Power Kauswagan Ltd.	2.50	21,900	5	43,800	11/18/2024	11/17/2025
EPSA 8MW(GNPK)	Base	GN Power Kauswagan Ltd.	4.00	35,040	8	70,080	12/20/2024	12/19/2025

The Power Supply Agreement (PSA) with the Power Sector Assets and Liabilities Management Corporation (PSALM) filed with the ERC was procured through an Emergency Power Supply Agreement. It was selected for the base requirement due to base load deficits. The Contract for the Supply of Electric Energy (CSEE) commenced last May 26, 2024 using the Time of Use with an effective rate of 6.1093 Php/KWh to 6.4446 Php/KWh (+/- ACRM True-up Adjustments).

The Emergency Power Supply Agreement (EPSA) 5 MW with the GN Power Kauswagan (GNPK) filed with the ERC was procured through an Emergency Power Supply Agreement. It was selected for the base requirement due to base load deficits. The Emergency Power Supply Agreement (EPSA) commenced last November 18, 2024.

The Emergency Power Supply Agreement (EPSA) 8 MW with the GN Power Kauswagan (GNPK) filed with the ERC was procured through an Emergency Power Supply Agreement. It was selected for the base requirement due to base load deficits. The Emergency Power Supply Agreement (EPSA) commenced last December 20, 2024.

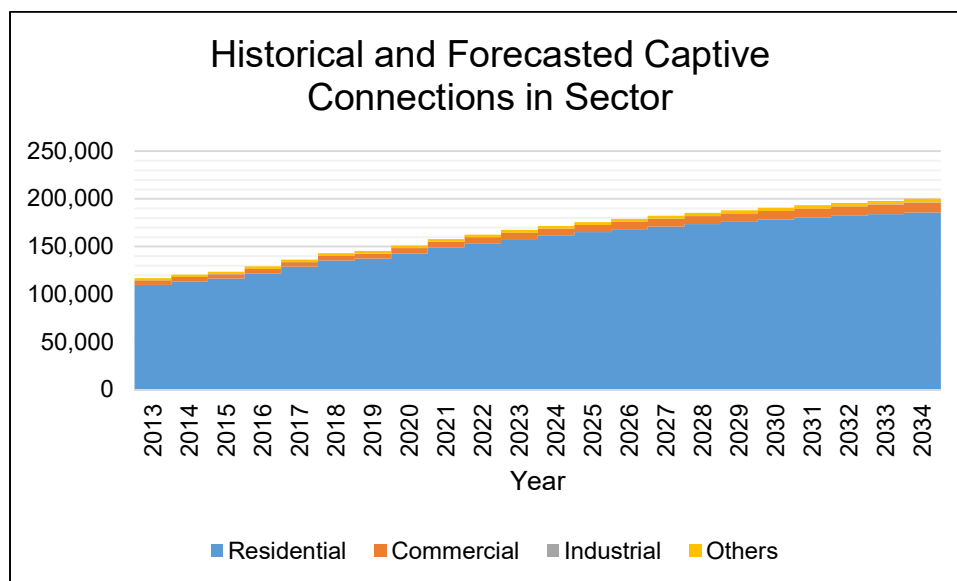
	Embedded RE	Short Term 2026	Short Term 2027	Short Term 2028	Long Term
Type	Intermediate	Base	Base	Base	Base
Minimum MW	4.00	11.90	14.70	17.50	42.00
Minimum MWh/yr	11,680	104,244	128,772	178,500	367,920
Maximum MW	10	17	21	25	60
Maximum MWh/yr	29,200	148,920	183,960	219,600	525,600
PSA Start	5/26/2025	12/26/2025	12/26/2026	12/26/2027	2/26/2029
PSA End	5/25/2045	12/25/2026	12/25/2027	2/25/2029	2/25/2039
Publication	2/26/2025	5/26/2025	5/26/2025	5/26/2025	5/26/2026
Pre-bid	3/19/2025	6/16/2025	6/16/2025	6/16/2025	6/16/2026
Opening	5/18/2025	8/15/2025	8/15/2025	8/15/2025	8/15/2026
Awarding	6/17/2025	9/14/2025	9/14/2025	9/14/2025	9/14/2026
PSA Signing	7/17/2025	10/14/2025	10/14/2025	10/14/2025	10/14/2026
Joint Filing	7/26/2025	10/23/2025	10/23/2025	10/23/2025	10/23/2026



For the short term CSP, it will be an increasing supply in every year for the baseload requirement from 17, 21 and 25 MW of supply starting 26th day of December 2025 to 25th day of February 2029. The first publication or launch of CSP will be conducted on the 26th day of May 2025. Joint filing is planned on 23rd day of October 2025, or 150 days later, in accordance with DOE 2023 CSP Policy and ERC 2023 CSP Rules. And for the Embedded Renewable Energy, it will be a 10 MW renewable of supply starting on the 26th day of May 2025 with 20 years contract until 25th day of December 2045. LUELCO opted to pursue short-term CSPs as a strategic preparation for its planned long-term CSP, allowing the cooperative to build toward a more substantial baseload requirement that would attract a wider array of competitive suppliers.

Lastly, due to the expiration of PSA contract with GMEC on 26th day of February 2029, LUELCO will be conducting a Long Term CSP to procure 60 MW supply for baseload which is planned to be available on 26th day of February 2029. Joint filing is planned on 23rd day of October 2026, or 150 days later, in accordance with DOE 2023 CSP Policy and ERC 2023 CSP Rules.

Captive Customer Connections



The number of residential connections is expected to grow at an average rate of 1.39% annually. Said customer class is expected to account for 94.04% of the total connections.

The number of commercial connections is expected to grow at an average rate of 4.10% annually. Said customer class is expected to account for 4.19% of the total connections.

The number of industrial connections is expected to grow at an average rate of 4.97% annually. Said customer class is expected to account for 0.07% of the total connections.

The number of other connections is expected to grow at an average rate of 2.73% annually. Said customer class is expected to account for 1.69% of the total connections.