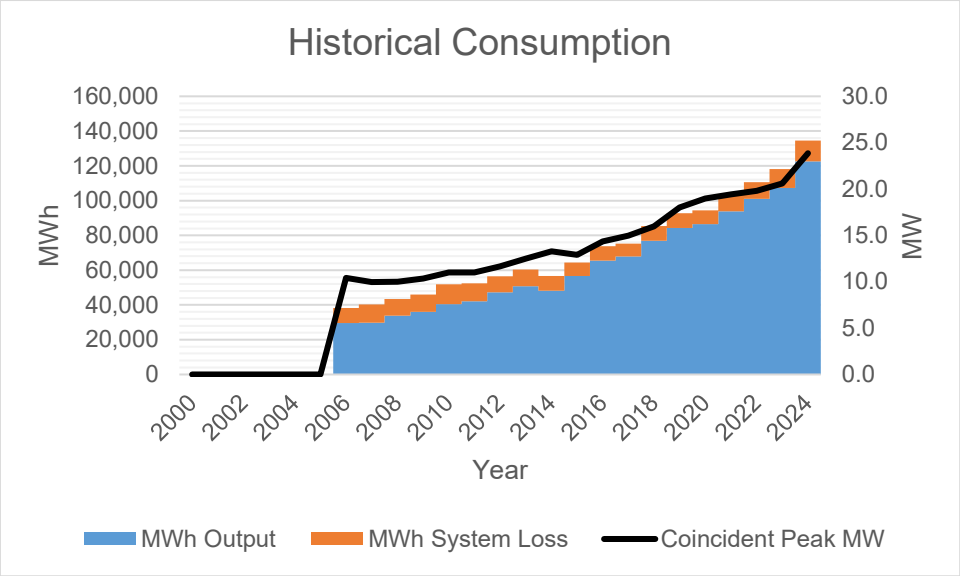
Power Supply Procurement Plan 2025

CASURECO I

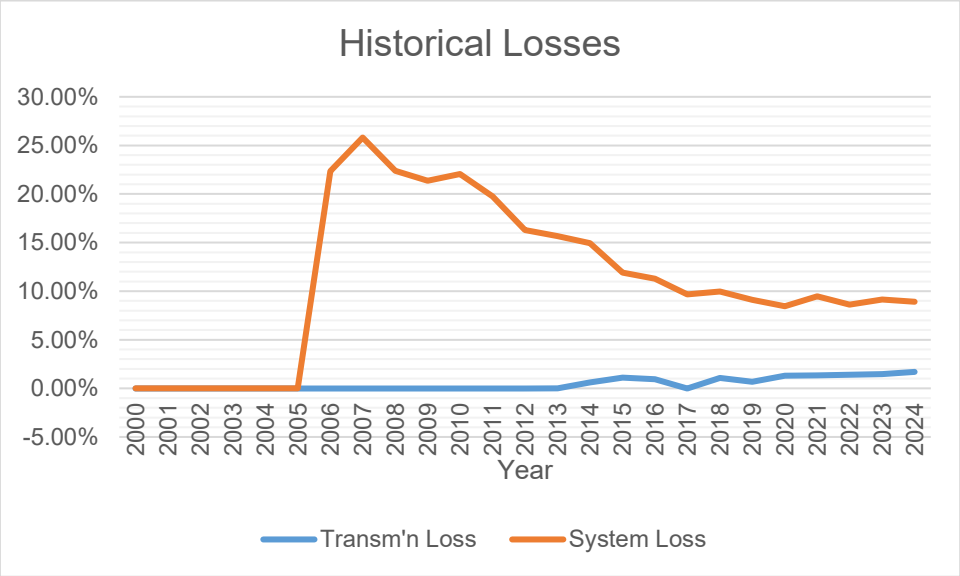
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2006	10.42	38,174	0	38,174	29,639	8,535	42%	0.00%	0.00%	22.36%
2007	9.95	40,243	0	40,243	29,857	10,386	46%	0.00%	0.00%	25.81%
2008	10.00	43,460	0	43,460	33,738	9,722	50%	0.00%	0.00%	22.37%
2009	10.36	45,905	0	45,905	36,100	9,804	51%	0.00%	0.00%	21.36%
2010	11.02	51,892	0	51,892	40,446	11,445	54%	0.00%	0.00%	22.06%
2011	11.01	52,383	0	52,383	42,035	10,348	54%	0.00%	0.00%	19.75%
2012	11.68	56,521	9,621	56,521	47,306	9,216	55%	0.00%	0.00%	16.30%
2013	12.50	60,259	10,859	60,259	50,822	9,438	55%	0.00%	0.00%	15.66%
2014	13.29	56,944	4,692	56,592	48,129	8,463	49%	0.00%	0.62%	14.95%
2015	12.91	65,018	10,604	64,304	56,654	7,650	57%	0.00%	1.10%	11.90%
2016	14.35	74,498	18,199	73,799	65,473	8,326	59%	0.00%	0.94%	11.28%
2017	14.96	75,187	13,471	75,187	67,907	7,281	57%	0.00%	0.00%	9.68%
2018	15.97	86,272	13,306	85,343	76,843	8,500	61%	0.00%	1.08%	9.96%
2019	18.01	92,312	20,793	91,699	84,317	8,358	58%	1.06%	0.66%	9.11%
2020	18.97	95,655	19,117	94,399	86,436	7,964	57%	0.00%	1.31%	8.44%
2021	19.42	105,047	17,769	103,655	93,831	9,824	61%	0.00%	1.33%	9.48%
2022	19.82	112,195	15,167	110,612	101,072	9,541	64%	0.00%	1.41%	8.63%
2023	20.59	119,866	90,786	118,102	107,312	10,790	65%	0.00%	1.47%	9.14%
2024	23.86	136,837	111,208	134,518	122,530	11,988	64%	0.00%	1.70%	8.91%

CASURECO I's peak demand has been steadily increasing. It grew from 9.95 MW in 2007 to 23.86 MW in 2024, reflecting an annual average growth rate of 5.38% since 2007. This growth is primarily attributed to the steady increase in household connections, which make up the majority of its consumers. Consequently, MWh offtake rose from 38,174 MWh in 2006 to 136,837 MWh in 2024, with an annual average growth rate of 7.48%, driven by the continuous rise in member-consumer connections. During the same period, the load factor ranged from 42% to 65%.

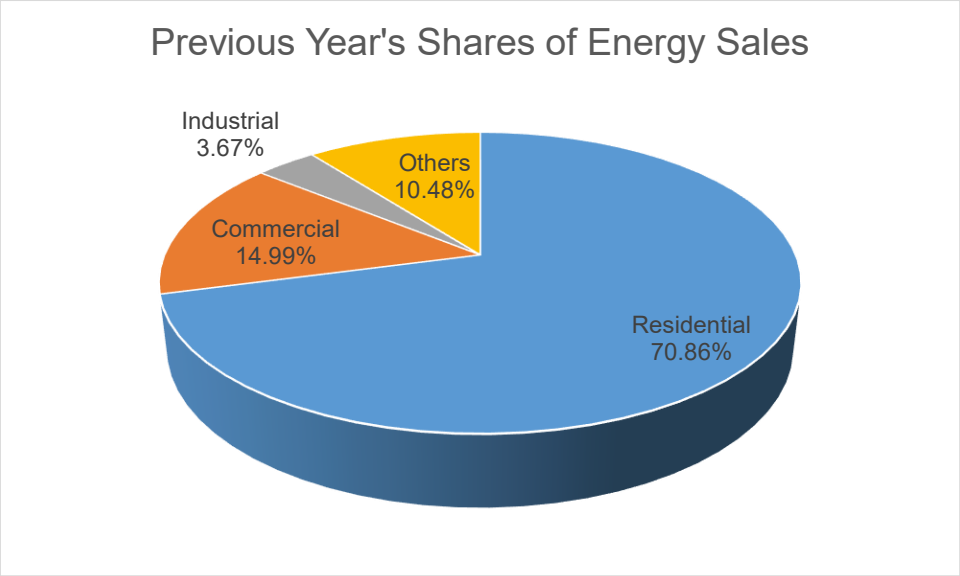


MWh Output has been steadily increasing from 2006 to 2024 at an annual average growth rate of 8.36% while MWh System Loss Percentage has been on a steady decline at an annual average rate of -4.53%. This indicates a reduction in the loss of energy during transmission and distribution.

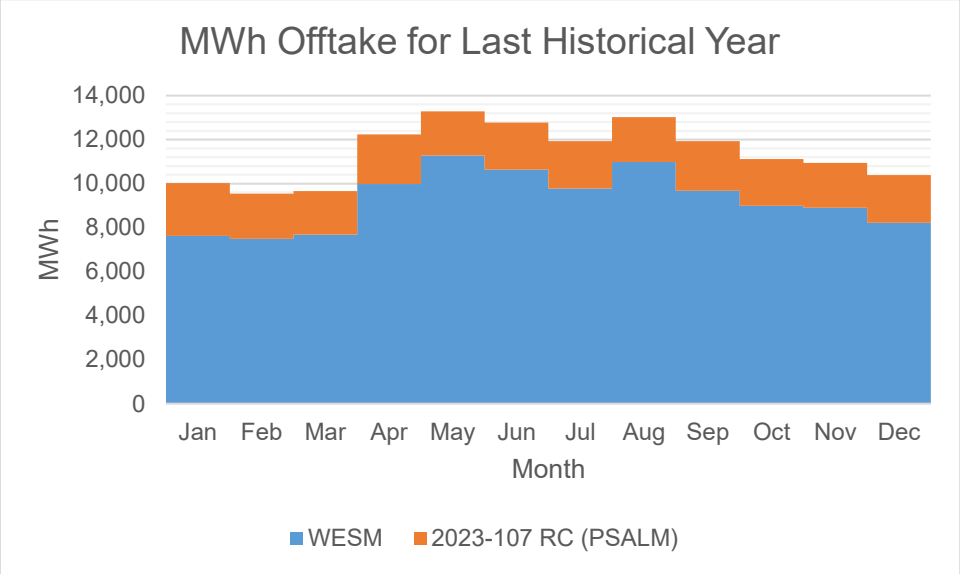


Historically, from 2006 to 2024 Transmission Loss ranged from 0% to 1.70% while System Loss ranged from 25.81% in 2007 to 8.44% in 2020. System Loss for 2023 is 8.91% which remains relatively low compared to historical figures. Transmission Loss peaked at 1.70% on year 2024. This can be attributed to the length of the distribution lines, which, in turn, is associated with the continuing expansion of distribution lines in the vast coverage area of CASURECO I. System Loss peaked at 25.81% on year 2007 but ever since has been a downward trend due to the continuous replacement of inaccurate and old kilowatt hour meters, apprehension of pilferage and the implementation of various system loss reduction programs.

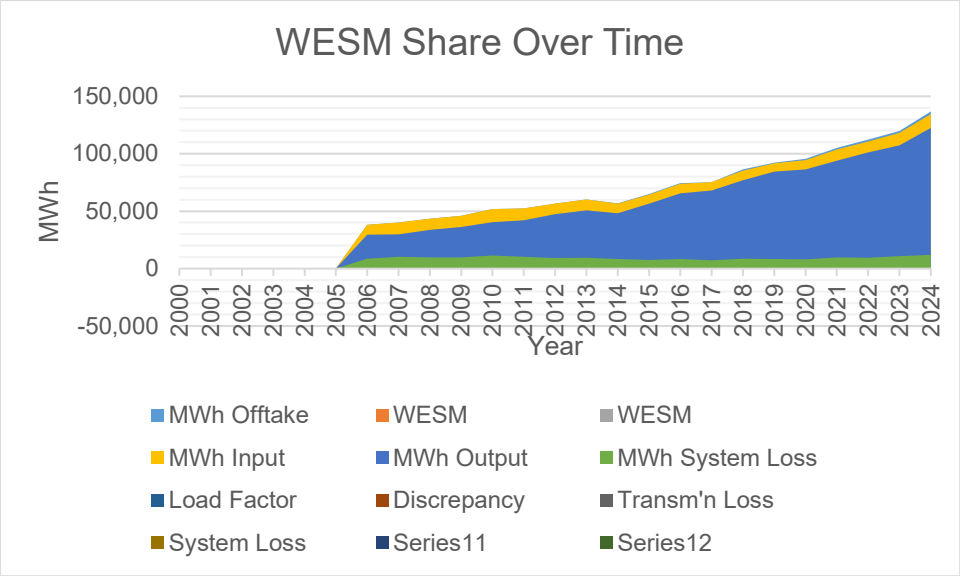
However, there is still no segregation of system loss data, both in recent and historical records. To address this, CASURECO I, with assistance from NEA, has assembled a team to conduct data gathering. This effort aims to collect accurate information for the primary lines and resolve the absence of segregated system loss data. Once the data collection is complete, more precise and segregated system loss data will be made available.



Residential customers constitute the majority of energy sales at 70.86%, primarily driven by the high number of household connections. In contrast, Industrial customers contribute only 3.67% to total energy sales, reflecting their comparatively lower number of connections.

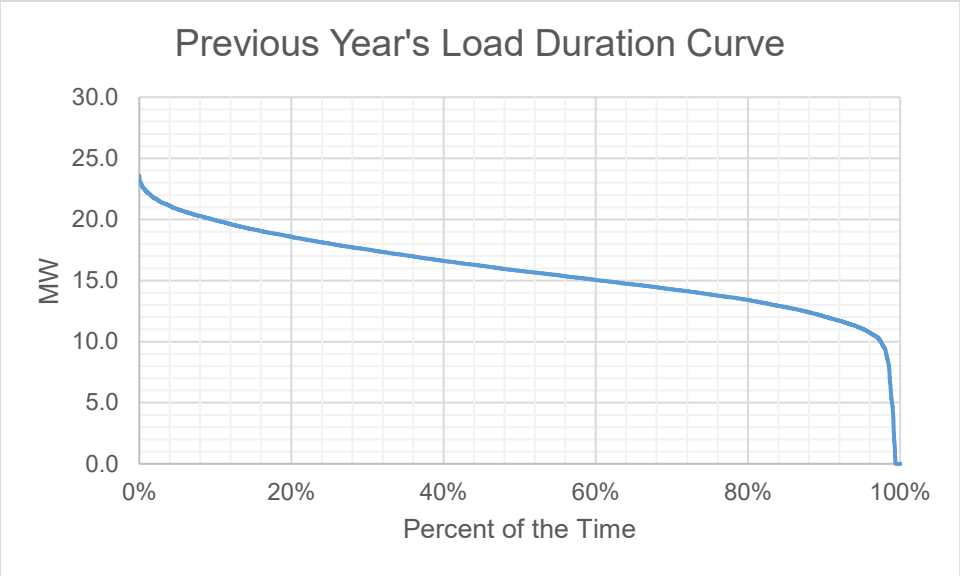


For 2024, the total Offtake for the last historical year is more or less equivalent to the quantity stipulated in the CSEE, although there may be minor variations due to under-declarations caused by under-generation or deration of the generating plant. The CSEE with PSALM (2023-107 RC). accounts for the bulk of MWh Offtake

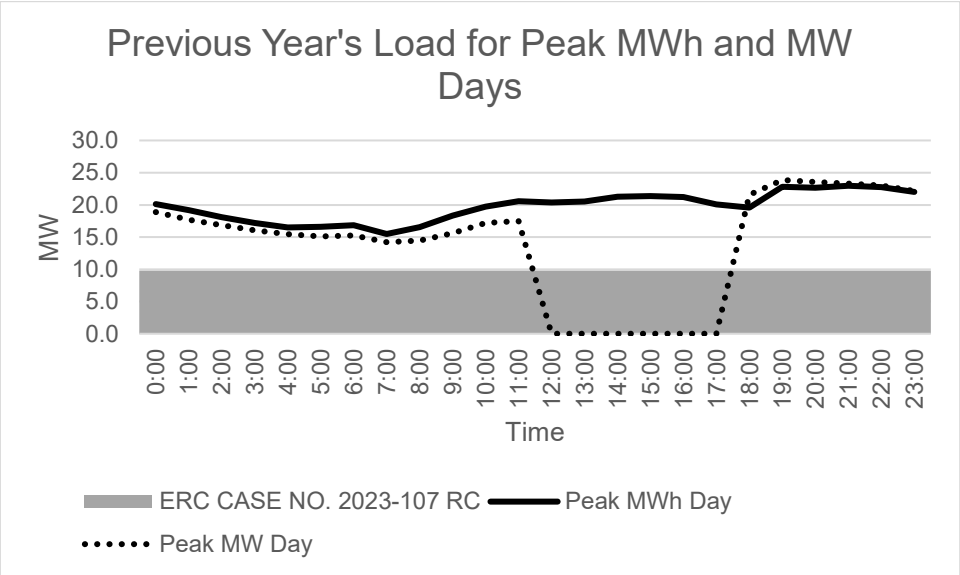


From 2006 to 2010, the net WESM transaction was zero, as CASURECO I became a direct WESM member only on December 26, 2010. Since then, CASURECO I's WESM offtake has experienced substantial growth, rising from 4,692 MWh in 2014 to 136,837 MWh in 2024, demonstrating a staggering annual average growth rate of 56.17% since CASURECO I began trading in WESM in 2012. It can be observed that during 2023 and 2024, there was sudden increase in WESM offtake amounting to 90,786 MWh and 111,208 MWh, respectively. The sudden rise to a 75.74% WESM share in the total offtake in 2023 was due to CASURECO I's 100% WESM exposure during February, March, and April. Additionally, the constrained supply from PSALM, our current supplier, restricted to intervals from 10:00 AM to 7:00 PM, Monday to Friday, further contributed to the heightened WESM exposure. This trend, along with the increasing growth in MWh offtake, led to the share of WESM in the total offtake ranging from 8.24% to 81.27%.

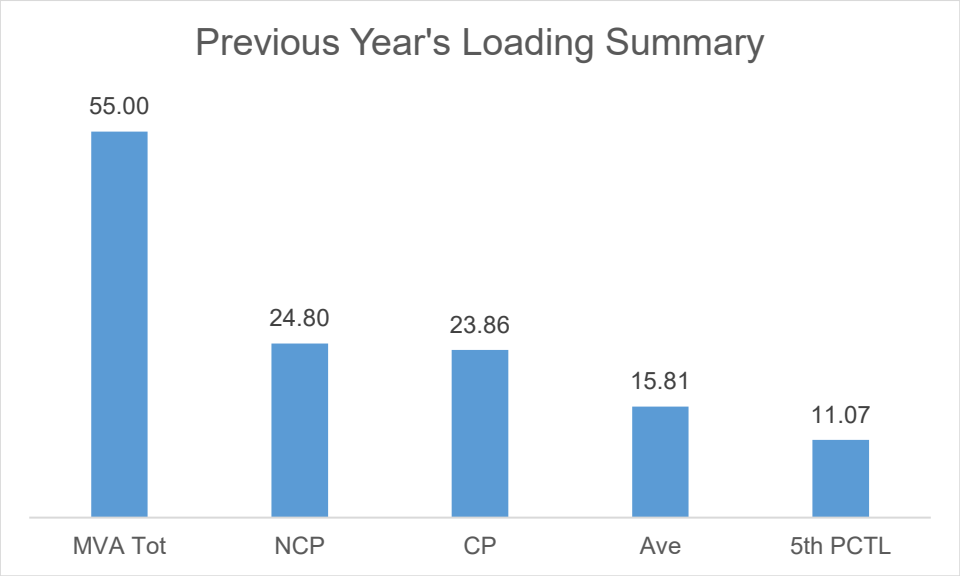
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 0 MW and the maximum load is 23.86 MW for the last historical year. As observed, 20% of the time the load is 18.63 MW, 40% of the time the load is 16.65 MW, 60% of the time the load is 15.09 MW, and 80% of the time the load is 13.46 MW.



Peak MW occurred on June 15, 2024 at 7:00 PM due to spike on usage. It can be observed that there was an unplanned NGCP Power Outage from 12:00 NOON to 5:00 AM during that date. It's also worth noting that this occurred during the summer season and that electricity demand typically peaks, particularly during the hours of 7:00 PM to 9:00 PM. Peak daily MWh occurred on May 15, 2024 at 9:00 PM. This time frame is often characterized by increased energy usage, especially among residential consumers. Contributing factors include higher temperatures, which lead to greater air conditioning usage, as well as other evening activities that drive heightened electricity demand. As shown in the load curves, the available supply was lower than the peak demand.



The non-coincident peak demand is 24.80 MW, which represents approximately 45.10% of the total substation capacity of 55 MVA. The load factor, defined as the ratio between the average load of 15.81 MW and the non-coincident peak demand, is 66.25%. A safe estimate of the true minimum load is the fifth-percentile load of 11.07 MW, which is 36.99% of the non-coincident peak demand.

Metering Point	Substation MVA	Substation Peak MW
Pamplona 10 MVA Substation (MF3MNAGCAS 102)	10	9.546
Sipocot 5 MVA Substation (MF3MNAGCAS 103)	20	5.695
Ragay 5 MVA Substation (MF3MNAGCAS 104)	5	3.158
Libmanan 20 MVA Substation (MF3MNAGCAS 105)	20	6.405

The Pamplona Substation (MF3MNAGCAS102) is already loaded at 95.46%. One solution would be by unloading the Pamplona Substation and conducting feeder reconfiguration to nearby substations until its transformer is uprated.

The Sipocot 5 MVA Substation (MF3MNAGCAS 103) was shut down from July 27 to August 8, 2024, following an internal failure in the Medium Voltage Switchgear (MVSG). This malfunction triggered an emergency trip of the Main Breaker (SF6) at approximately 2:03 AM on July 27, 2024. Load shifting was implemented from the Sipocot Substation to the Libmanan 20 MVA Substation (MF3MNAGCAS 105) from July 27 to August 8, 2024, and to the Ragay 5 MVA Substation (MF3MNAGCAS 104) from July 27 to July 31, 2024. As a result, the demand at both substations—particularly Libmanan, which took on a larger load—increased significantly, leading to outliers in the Load Profile data. To address this, we normalized the data recorded during the Load Shifting Activity by using assumed values derived from historical data, adjusted by an assumed growth rate. This approach allowed us to isolate the demand transferred from the Sipocot Substation, effectively eliminating outliers and ensuring the normalized data remained aligned with our forecast.

Forecasted Consumption Data

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2025	Jan	23.58	0.00	9.80	0.000	0%	42%	-13.78
	Feb	22.00	0.00	9.80	0.000	0%	45%	-12.20
	Mar	23.58	0.00	9.80	0.000	0%	42%	-13.78
	Apr	25.41	0.00	9.80	0.000	0%	39%	-15.61
	May	26.77	0.00	9.80	0.000	0%	37%	-16.97
	Jun	26.90	0.00	9.80	0.000	0%	36%	-17.10
	Jul	25.46	0.00	14.30	0.000	0%	56%	-11.16
	Aug	26.20	0.00	18.80	0.000	0%	72%	-7.40
	Sep	25.58	0.00	18.80	0.000	0%	73%	-6.78
	Oct	25.40	0.00	18.80	0.000	0%	74%	-6.60
	Nov	24.76	0.00	18.80	0.000	0%	76%	-5.96
	Dec	24.72	0.00	18.80	0.000	0%	76%	-5.92
2026	Jan	25.73	0.00	10.00	0.000	0%	39%	-15.73
	Feb	24.00	0.00	10.00	0.000	0%	42%	-14.00
	Mar	25.73	0.00	10.00	0.000	0%	39%	-15.73
	Apr	27.72	0.00	10.00	0.000	0%	36%	-17.72
	May	29.21	0.00	10.00	0.000	0%	34%	-19.21
	Jun	29.35	0.00	10.00	0.000	0%	34%	-19.35
	Jul	27.78	0.00	10.00	0.000	0%	36%	-17.78
	Aug	28.59	0.00	10.00	0.000	0%	35%	-18.59
	Sep	27.92	0.00	10.00	0.000	0%	36%	-17.92
	Oct	27.71	0.00	10.00	0.000	0%	36%	-17.71
	Nov	27.02	0.00	10.00	0.000	0%	37%	-17.02
	Dec	26.97	0.00	10.00	0.000	0%	37%	-16.97
2027	Jan	27.28	0.00	11.00	0.000	0%	40%	-16.28
	Feb	25.44	0.00	11.00	0.000	0%	43%	-14.44
	Mar	27.28	0.00	11.00	0.000	0%	40%	-16.28
	Apr	29.39	0.00	11.00	0.000	0%	37%	-18.39

	May	30.96	0.00	11.00	0.000	0%	36%	-19.96
	Jun	31.12	0.00	11.00	0.000	0%	35%	-20.12
	Jul	29.45	0.00	11.00	0.000	0%	37%	-18.45
	Aug	30.31	0.00	11.00	0.000	0%	36%	-19.31
	Sep	29.59	0.00	11.00	0.000	0%	37%	-18.59
	Oct	29.38	0.00	11.00	0.000	0%	37%	-18.38
	Nov	28.65	0.00	11.00	0.000	0%	38%	-17.65
	Dec	28.60	0.00	11.00	0.000	0%	38%	-17.60
2028	Jan	27.94	0.00	11.00	15.943	0%	96%	-1.00
	Feb	26.06	0.00	11.00	15.943	0%	103%	0.89
	Mar	27.93	0.00	11.00	15.943	0%	96%	-0.99
	Apr	30.10	0.00	11.00	15.943	0%	90%	-3.16
	May	31.71	0.00	11.00	15.943	0%	85%	-4.77
	Jun	31.87	0.00	11.00	15.943	0%	85%	-4.92
	Jul	30.16	0.00	11.00	15.943	0%	89%	-3.21
	Aug	31.04	0.00	11.00	15.943	0%	87%	-4.10
	Sep	30.31	0.00	11.00	15.943	0%	89%	-3.36
	Oct	30.09	0.00	11.00	15.943	0%	90%	-3.14
	Nov	29.34	0.00	11.00	15.943	0%	92%	-2.39
	Dec	29.29	0.00	11.00	15.943	0%	92%	-2.34
2029	Jan	29.43	0.00	12.00	19.977	0%	109%	2.54
	Feb	27.45	0.00	12.00	19.977	0%	116%	4.53
	Mar	29.43	0.00	12.00	19.977	0%	109%	2.55
	Apr	31.71	0.00	12.00	19.977	0%	101%	0.27
	May	33.41	0.00	12.00	19.977	0%	96%	-1.43
	Jun	33.57	0.00	12.00	19.977	0%	95%	-1.60
	Jul	31.77	0.00	12.00	19.977	0%	101%	0.21
	Aug	32.70	0.00	12.00	19.977	0%	98%	-0.73
	Sep	31.93	0.00	12.00	19.977	0%	100%	0.05
	Oct	31.70	0.00	12.00	19.977	0%	101%	0.28
	Nov	30.91	0.00	12.00	19.977	0%	103%	1.07
	Dec	30.85	0.00	12.00	19.977	0%	104%	1.12
2030	Jan	30.82	0.00	13.00	24.600	0%	122%	6.78

	Feb	28.74	0.00	13.00	24.600	0%	131%	8.86
	Mar	30.81	0.00	13.00	24.600	0%	122%	6.79
	Apr	33.20	0.00	13.00	24.600	0%	113%	4.40
	May	34.98	0.00	13.00	24.600	0%	107%	2.62
	Jun	35.15	0.00	13.00	24.600	0%	107%	2.45
	Jul	33.26	0.00	13.00	24.600	0%	113%	4.34
	Aug	34.24	0.00	13.00	24.600	0%	110%	3.36
	Sep	33.43	0.00	13.00	24.600	0%	112%	4.17
	Oct	33.18	0.00	13.00	24.600	0%	113%	4.42
	Nov	32.36	0.00	13.00	24.600	0%	116%	5.24
	Dec	32.30	0.00	13.00	24.600	0%	116%	5.30
2031	Jan	32.22	0.00	13.00	29.852	0%	133%	10.63
	Feb	30.05	0.00	13.00	29.852	0%	143%	12.80
	Mar	32.22	0.00	13.00	29.852	0%	133%	10.64
	Apr	34.72	0.00	13.00	29.852	0%	123%	8.13
	May	36.57	0.00	13.00	29.852	0%	117%	6.28
	Jun	36.75	0.00	13.00	29.852	0%	117%	6.10
	Jul	34.78	0.00	13.00	29.852	0%	123%	8.07
	Aug	35.80	0.00	13.00	29.852	0%	120%	7.05
	Sep	34.95	0.00	13.00	29.852	0%	123%	7.90
	Oct	34.70	0.00	13.00	29.852	0%	123%	8.15
	Nov	33.84	0.00	13.00	29.852	0%	127%	9.02
	Dec	33.78	0.00	13.00	29.852	0%	127%	9.07
2032	Jan	33.64	0.00	14.00	35.701	0%	148%	16.06
	Feb	31.38	0.00	14.00	35.701	0%	158%	18.32
	Mar	33.64	0.00	14.00	35.701	0%	148%	16.06
	Apr	36.25	0.00	14.00	35.701	0%	137%	13.45
	May	38.19	0.00	14.00	35.701	0%	130%	11.51
	Jun	38.38	0.00	14.00	35.701	0%	130%	11.33
	Jul	36.31	0.00	14.00	35.701	0%	137%	13.39
	Aug	37.38	0.00	14.00	35.701	0%	133%	12.32
	Sep	36.50	0.00	14.00	35.701	0%	136%	13.20
	Oct	36.23	0.00	14.00	35.701	0%	137%	13.47

	Nov	35.33	0.00	14.00	35.701	0%	141%	14.37
	Dec	35.27	0.00	14.00	35.701	0%	141%	14.43
2033	Jan	35.07	0.00	14.00	42.580	0%	161%	21.51
	Feb	32.71	0.00	14.00	42.580	0%	173%	23.87
	Mar	35.07	0.00	14.00	42.580	0%	161%	21.51
	Apr	37.79	0.00	14.00	42.580	0%	150%	18.79
	May	39.81	0.00	14.00	42.580	0%	142%	16.77
	Jun	40.01	0.00	14.00	42.580	0%	141%	16.57
	Jul	37.86	0.00	14.00	42.580	0%	149%	18.72
	Aug	38.97	0.00	14.00	42.580	0%	145%	17.61
	Sep	38.05	0.00	14.00	42.580	0%	149%	18.53
	Oct	37.77	0.00	14.00	42.580	0%	150%	18.81
	Nov	36.83	0.00	14.00	42.580	0%	154%	19.75
	Dec	36.77	0.00	14.00	42.580	0%	154%	19.81
2034	Jan	36.50	0.00	14.00	49.087	0%	173%	26.59
	Feb	34.04	0.00	14.00	49.087	0%	185%	29.05
	Mar	36.49	0.00	14.00	49.087	0%	173%	26.59
	Apr	39.33	0.00	14.00	49.087	0%	160%	23.76
	May	41.43	0.00	14.00	49.087	0%	152%	21.66
	Jun	41.63	0.00	14.00	49.087	0%	152%	21.45
	Jul	39.40	0.00	14.00	49.087	0%	160%	23.69
	Aug	40.56	0.00	14.00	49.087	0%	156%	22.53
	Sep	39.60	0.00	14.00	49.087	0%	159%	23.49
	Oct	39.31	0.00	14.00	49.087	0%	161%	23.78
	Nov	38.33	0.00	14.00	49.087	0%	165%	24.76
	Dec	38.26	0.00	14.00	49.087	0%	165%	24.82

Peak demand was projected using historical data and typically occurs in June but may also take place in May, July, or August. These months are characterized by high temperatures, which lead to increased electricity consumption. Interestingly, these months also coincide with the start of classes in schools, which may have contributed to higher energy demand during those months. Conversely, the lowest peak demand is expected to occur during the month of February, as humidity and cold weather tends to lead to a lower consumption of electricity. In general, Peak Demand is expected to grow at a rate of 4.99% annually.

CASURECO I does not have an S4R as a Buyer or Sale for Resale Agreement but served by other DU within the CASURECO I franchise:

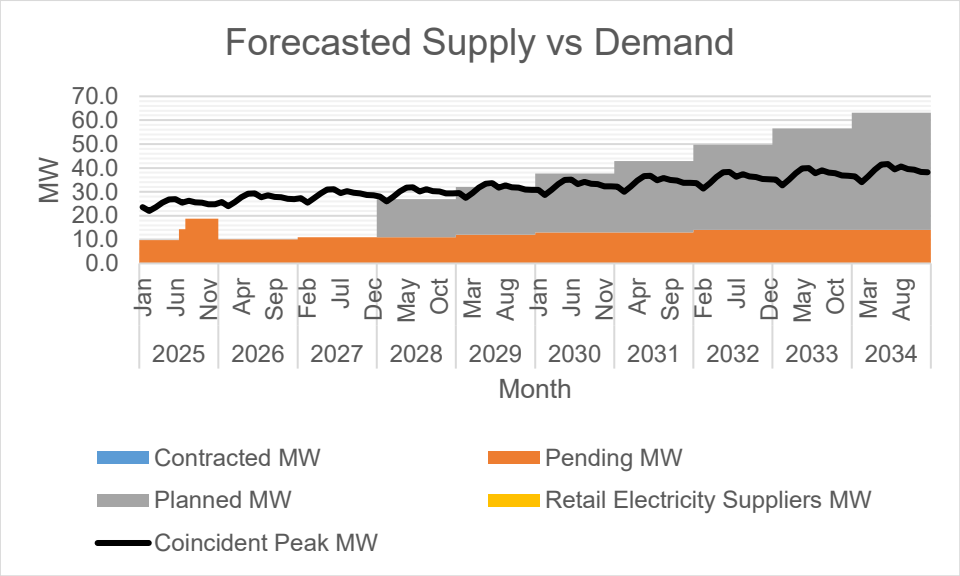
1. Barangay San Vicente in Lupi, Camarines Sur is served by another Distribution Utility (DU), which is CANORECO. This barangay represents one of the farthest distribution lines for CASURECO I in terms of travel time taking approximately an hour to reach.

Struggling to efficiently provide services to Barangay San Vicente due to its remote location, CASURECO I have established an agreement with CANORECO to address this challenge. Under this agreement, CANORECO will assume responsibility for servicing Barangay San Vicente.

Under this agreement, CANORECO will handle the rehabilitation, maintenance, troubleshooting, and addressing of member-consumer concerns in Barangay San Vicente. This arrangement is beneficial to the member-consumers in that area, as CANORECO can respond more promptly to their concerns due to its closer proximity. Additionally, the sales of electricity (measured in kWh) to the member-consumers in Barangay San Vicente will now be accounted for under CANORECO's records, rather than CASURECO I.

Additionally, there are two Barangays served by CASURECO I outside its coverage area:

1. Barangay Nagkalit and Barangay Salvacion in Del Gallego, Camarines Sur. This agreement was established between CASURECO I and QUEZELCO, wherein CASURECO I would serve these two barangays considering the proximity of their distribution lines to CASURECO I's network. This collaboration showcases neighboring distribution utilities coming together to provide more efficient and effective services in areas that might pose challenges for a single utility. This approach ensures better service quality for consumers while optimizing the operational logistics of the involved utilities



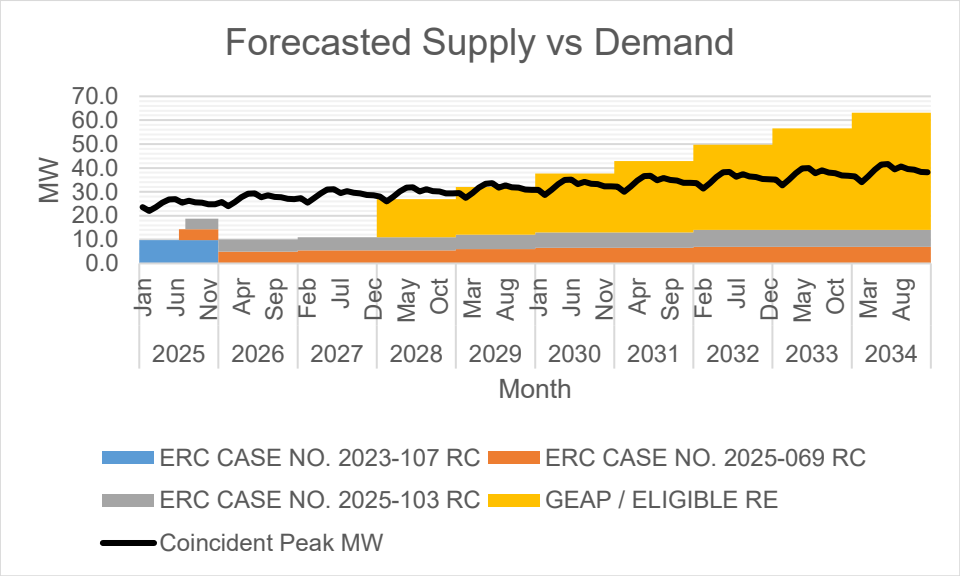
The available supply is generally below the Peak Demand to avoid over-contracting and incurring Capacity Fees from our power supplier. This is because peak demand typically occurs only during a two-hour period in the evening from 8 PM to 9 PM, as most of our consumers are residential.

In compliance with the provisions and requirements under the Renewable Energy Act of 2008 (R.A. 9513), and pursuant to Section 8 thereof, the Renewable Portfolio Standards (RPS) mandate that a portion of the Distribution Utility's (DU) energy purchases must be sourced from renewable energy (RE).

CASURECO I originally planned to comply with its RPS obligations by procuring from the Green Energy Auction Program (GEAP) pool of winning bidders through the Opt-in Mechanism, as provided under Section 10 of DOE Department Circular No. DC2021-11-0036. However, due to the current unavailability of the GEAP Opt-in Mechanism and the uncertainty surrounding its implementation timeline, CASURECO I considers this only as a backup compliance option.

As an immediate compliance measure, CASURECO I is purchasing Renewable Energy Certificates (RECs) from the Renewable Energy Market (REM) and will likewise procure RECs for the 2025 compliance period, following the commencement of the REM's commercial operations on December 26, 2024.

In case of further delay in the implementation of the GEAP Opt-in Mechanism, CASURECO I shall pursue, as a backup plan, the conduct of a Competitive Selection Process (CSP) for the procurement of eligible renewable energy supply based on the cooperative's planned RE capacity schedule, to ensure sustainable and continuous compliance with the RPS requirements in the succeeding years.



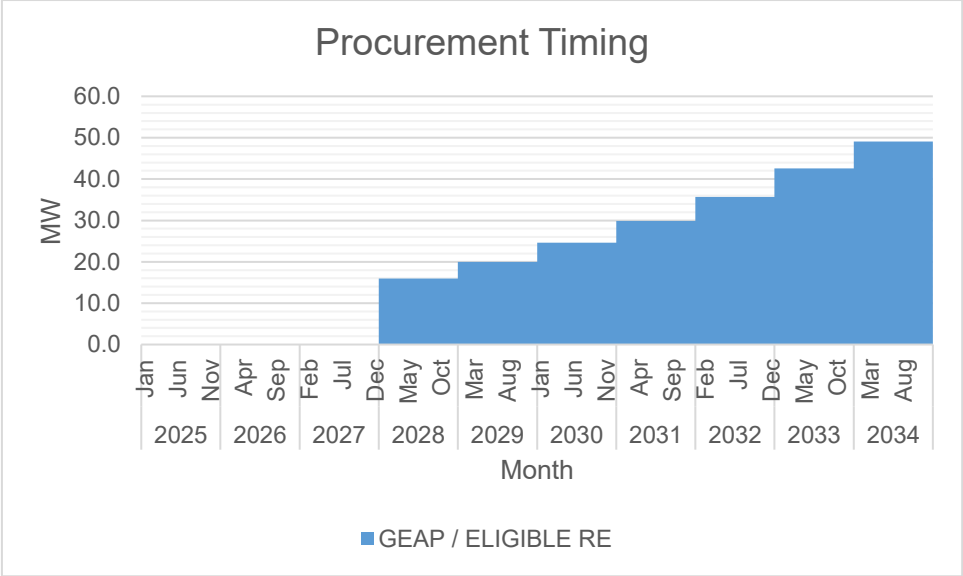
Of the available supply, the largest is 54.087 MW from 2034, followed by 56.58 MW from 2032. A significant portion of these capacities is attributed to the Eligible Renewable Energy (RE) supply planned to be procured for RPS compliance. The required contract capacity or demand for RE is indicative and may vary depending on the RE technology adopted, provided that the required energy output is achieved.

For reference, the indicative capacity was computed using a 20% load factor, modeled after the average capacity factor of solar power plants, which are among the most common Eligible RE sources. This calculation was derived by converting the planned energy procurement into equivalent demand using the said load factor.

It should be noted that this approach may cause some years to **appear oversupplied** when viewed from the perspective of **contracted demand**, even though this is **not an actual oversupply**, as the corresponding RE generation only delivers a limited amount of energy due to its lower capacity factor.

CASURECO I was one of the Member Electric Cooperatives (ECs) that participated in the Joint Competitive Selection Process (CSP) for the Aggregated Baseload Supply of Luzon On-Grid ECs (LECA) pursuant to the NEA Advisory dated April 29, 2024. The Joint CSP has been successfully concluded, resulting in the award of contracts to Therma Luzon Inc. (TLI) and Masinloc Power Partners Co. Ltd. (MPCL) as the winning bidders.

On June 4, 2025, CASURECO I received the ERC Provisional Authority (PA) Order dated May 21, 2025 in ERC Case No. 2025-069 RC, allowing TLI to commence supply on June 26, 2025, with the PSA expiring on June 25, 2040 to reflect the full 15-year term. Subsequently, on July 21, 2025, CASURECO I received the ERC Order dated July 10, 2025 in ERC Case No. 2025-103 RC, authorizing MPCL to begin supply on July 26, 2025, with the PSA expiring on July 25, 2040.



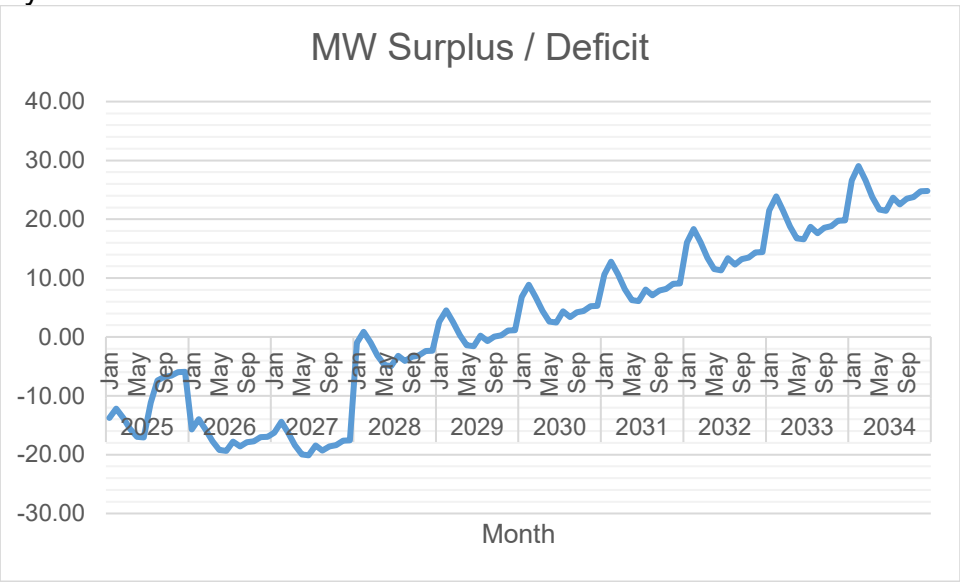
CASURECO I is currently complying with its Renewable Portfolio Standards (RPS) obligations through its existing Feed-in Tariff (FIT) allocation and the purchase of Renewable Energy Certificates (RECs) from the Renewable Energy Market (REM), following the commencement of its commercial operations on December 26, 2024.

Given the present unavailability of the Green Energy Auction Program (GEAP) Opt-in Mechanism and the uncertainty regarding its implementation timeline, CASURECO I will treat the procurement of renewable energy from the GEAP pool of winning bidders as a secondary or backup compliance option once the mechanism becomes operational.

Should the GEAP Opt-in Mechanism remain unavailable, CASURECO I will implement another backup plan through the conduct of a Competitive Selection Process (CSP) for the procurement of eligible renewable energy (RE) supply, based on the cooperative's planned RE capacity schedule, to ensure continuous and sustainable compliance with RPS requirements in the succeeding years.

Under this plan, CASURECO I targets to procure 15.94 MW of eligible renewable energy, equivalent to approximately 28,000 MWh at a 20% load factor, with the start of supply planned for December 26, 2027. This contracted capacity is indicative and may vary depending on the renewable energy technology to be procured, provided that the required energy output is achieved.

The Existing Contracting Level is still at 0%, although the PSAs with Therma Luzon Inc. (TLI) and Masinloc Power Partners Co. Ltd. (MPCL) have already been provisionally approved by the ERC and have commenced supply. These contracts will be reflected in the Existing Contract Level once the Final Authority is issued.



Currently, there is under-contracting by 12.41 MW. The highest deficit is 20.12 MW which is expected to occur in the month of June 2027. The lowest deficit is 0.73 MW which is expected to occur in the month of August 2029. However, starting in 2028, it may appear that some months reflect a supply surplus instead of a deficit. This apparent surplus results from the relatively low plant load factor (PLF) of 20% assumed for eligible renewable energy (RE). Since the contracting capacity for RE was derived from the required energy in MWh and converted into MW using this 20% PLF, the corresponding capacity appears higher when viewed in demand terms. This load factor represents the average performance of solar power plants, which make up the majority of eligible RE sources.

It should also be noted that the computed target supply for RE was conservatively estimated to avoid any actual oversupply in future periods. Thus, while the contracted demand in MW may seem to indicate oversupply in certain months, it accurately aligns with the required RPS energy targets and ensures prudent compliance without exceeding projected demand.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2025	Jan	10,369	8,596	860	8.80%	9.10%
	Feb	9,889	8,767	877	2.48%	9.10%
	Mar	9,995	8,722	873	4.00%	9.10%
	Apr	12,621	10,767	1,077	6.16%	9.10%
	May	13,675	11,385	1,139	8.42%	9.10%
	Jun	13,168	12,180	1,219	-1.75%	9.10%
	Jul	12,302	10,944	1,095	2.13%	9.10%
	Aug	13,419	11,631	1,164	4.65%	9.10%
	Sep	12,304	11,591	1,160	-3.63%	9.10%
	Oct	11,460	11,290	1,130	-8.37%	9.10%
	Nov	11,307	11,790	1,180	-14.71%	9.10%
	Dec	10,730	10,730	1,074	-10.01%	9.10%
2026	Jan	11,273	9,357	924	8.80%	8.99%
	Feb	10,751	9,542	942	2.48%	8.99%

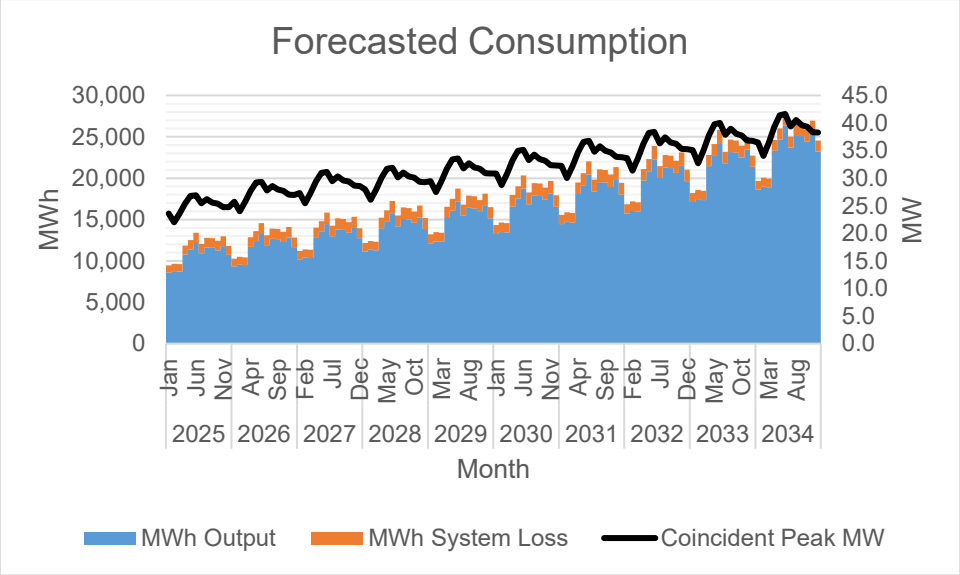
	Mar	10,866	9,494	937	4.00%	8.99%
	Apr	13,722	11,720	1,157	6.16%	8.99%
	May	14,867	12,392	1,224	8.42%	8.99%
	Jun	14,317	13,258	1,309	-1.75%	8.99%
	Jul	13,375	11,913	1,176	2.13%	8.99%
	Aug	14,590	12,661	1,250	4.65%	8.99%
	Sep	13,377	12,617	1,246	-3.63%	8.99%
	Oct	12,460	12,289	1,213	-8.37%	8.99%
	Nov	12,293	12,833	1,267	-14.71%	8.99%
	Dec	11,665	11,680	1,153	-10.01%	8.99%
2027	Jan	12,261	10,198	984	8.80%	8.80%
	Feb	11,694	10,400	1,004	2.48%	8.80%
	Mar	11,819	10,348	999	4.00%	8.80%
	Apr	14,925	12,774	1,233	6.16%	8.80%
	May	16,171	13,506	1,303	8.42%	8.80%
	Jun	15,572	14,450	1,394	-1.75%	8.80%
	Jul	14,548	12,984	1,253	2.13%	8.80%
	Aug	15,869	13,799	1,332	4.65%	8.80%
	Sep	14,550	13,751	1,327	-3.63%	8.80%
	Oct	13,552	13,394	1,293	-8.37%	8.80%
	Nov	13,371	13,987	1,350	-14.71%	8.80%
	Dec	12,688	12,730	1,228	-10.01%	8.80%
2028	Jan	13,334	11,123	1,038	8.80%	8.53%
	Feb	12,717	11,344	1,058	2.48%	8.53%
	Mar	12,853	11,286	1,053	4.00%	8.53%
	Apr	16,231	13,932	1,300	6.16%	8.53%
	May	17,586	14,731	1,374	8.42%	8.53%
	Jun	16,935	15,760	1,470	-1.75%	8.53%
	Jul	15,821	14,162	1,321	2.13%	8.53%
	Aug	17,257	15,051	1,404	4.65%	8.53%
	Sep	15,823	14,998	1,399	-3.63%	8.53%
	Oct	14,738	14,609	1,363	-8.37%	8.53%
	Nov	14,541	15,256	1,423	-14.71%	8.53%
	Dec	13,798	13,884	1,295	-10.01%	8.53%
2029	Jan	14,492	12,135	1,081	8.80%	8.18%
	Feb	13,821	12,376	1,103	2.48%	8.18%
	Mar	13,969	12,313	1,097	4.00%	8.18%
	Apr	17,640	15,200	1,355	6.16%	8.18%
	May	19,113	16,071	1,432	8.42%	8.18%
	Jun	18,405	17,194	1,532	-1.75%	8.18%
	Jul	17,194	15,450	1,377	2.13%	8.18%
	Aug	18,756	16,420	1,463	4.65%	8.18%
	Sep	17,197	16,362	1,458	-3.63%	8.18%
	Oct	16,017	15,938	1,420	-8.37%	8.18%
	Nov	15,803	16,644	1,483	-14.71%	8.18%
	Dec	14,996	15,147	1,350	-10.01%	8.18%
2030	Jan	15,734	13,237	1,112	8.80%	7.75%
	Feb	15,006	13,500	1,134	2.48%	7.75%
	Mar	15,167	13,431	1,129	4.00%	7.75%

	Apr	19,152	16,580	1,393	6.16%	7.75%
	May	20,751	17,531	1,473	8.42%	7.75%
	Jun	19,983	18,756	1,576	-1.75%	7.75%
	Jul	18,668	16,854	1,416	2.13%	7.75%
	Aug	20,364	17,911	1,505	4.65%	7.75%
	Sep	18,671	17,849	1,500	-3.63%	7.75%
	Oct	17,391	17,385	1,461	-8.37%	7.75%
	Nov	17,158	18,156	1,525	-14.71%	7.75%
	Dec	16,282	16,523	1,388	-10.01%	7.75%
2031	Jan	17,061	14,433	1,127	8.80%	7.24%
	Feb	16,272	14,719	1,149	2.48%	7.24%
	Mar	16,446	14,645	1,143	4.00%	7.24%
	Apr	20,768	18,078	1,411	6.16%	7.24%
	May	22,502	19,115	1,492	8.42%	7.24%
	Jun	21,668	20,450	1,597	-1.75%	7.24%
	Jul	20,243	18,376	1,435	2.13%	7.24%
	Aug	22,081	19,530	1,525	4.65%	7.24%
	Sep	20,246	19,461	1,519	-3.63%	7.24%
	Oct	18,858	18,956	1,480	-8.37%	7.24%
	Nov	18,605	19,796	1,546	-14.71%	7.24%
	Dec	17,655	18,016	1,407	-10.01%	7.24%
2032	Jan	18,474	15,726	1,122	8.80%	6.66%
	Feb	17,619	16,038	1,145	2.48%	6.66%
	Mar	17,808	15,956	1,139	4.00%	6.66%
	Apr	22,487	19,697	1,406	6.16%	6.66%
	May	24,364	20,827	1,486	8.42%	6.66%
	Jun	23,462	22,282	1,590	-1.75%	6.66%
	Jul	21,919	20,022	1,429	2.13%	6.66%
	Aug	23,909	21,279	1,519	4.65%	6.66%
	Sep	21,922	21,204	1,513	-3.63%	6.66%
	Oct	20,419	20,654	1,474	-8.37%	6.66%
	Nov	20,145	21,569	1,539	-14.71%	6.66%
	Dec	19,117	19,630	1,401	-10.01%	6.66%
2033	Jan	19,971	17,118	1,095	8.80%	6.01%
	Feb	19,047	17,458	1,117	2.48%	6.01%
	Mar	19,251	17,369	1,111	4.00%	6.01%
	Apr	24,310	21,442	1,372	6.16%	6.01%
	May	26,339	22,672	1,451	8.42%	6.01%
	Jun	25,364	24,255	1,552	-1.75%	6.01%
	Jul	23,696	21,795	1,394	2.13%	6.01%
	Aug	25,847	23,163	1,482	4.65%	6.01%
	Sep	23,699	23,082	1,477	-3.63%	6.01%
	Oct	22,074	22,483	1,438	-8.37%	6.01%
	Nov	21,778	23,479	1,502	-14.71%	6.01%
	Dec	20,667	21,368	1,367	-10.01%	6.01%
2034	Jan	21,554	18,614	1,043	8.80%	5.30%
	Feb	20,556	18,984	1,063	2.48%	5.30%
	Mar	20,777	18,887	1,058	4.00%	5.30%
	Apr	26,236	23,315	1,306	6.16%	5.30%

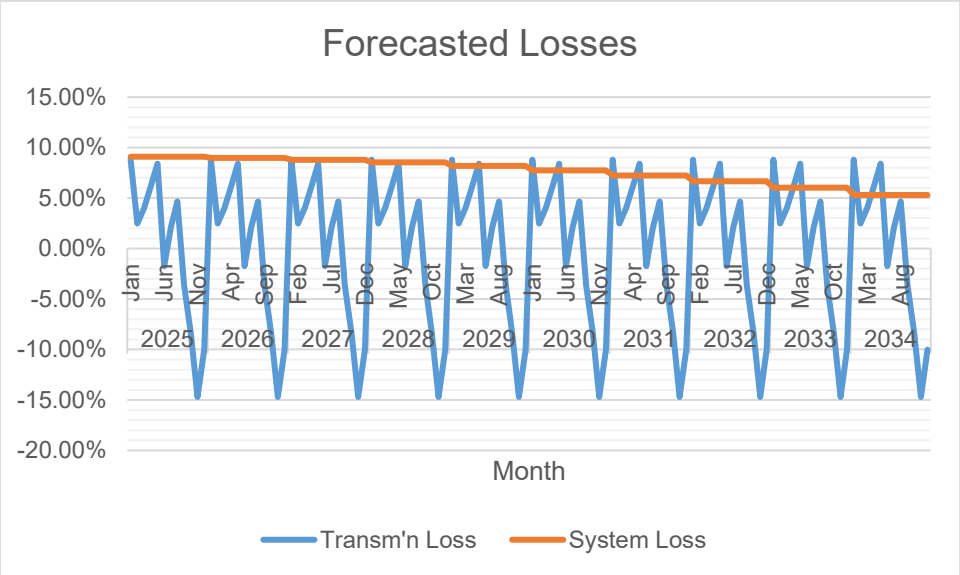
	May	28,427	24,653	1,381	8.42%	5.30%
	Jun	27,374	26,375	1,477	-1.75%	5.30%
	Jul	25,573	23,700	1,327	2.13%	5.30%
	Aug	27,896	25,187	1,411	4.65%	5.30%
	Sep	25,577	25,099	1,406	-3.63%	5.30%
	Oct	23,823	24,448	1,369	-8.37%	5.30%
	Nov	23,504	25,531	1,430	-14.71%	5.30%
	Dec	22,304	23,235	1,301	-10.01%	5.30%

We have forecasted using proration based on our historical data to identify the Transmission Loss. It can be noticed that there are months where there is negative transmission loss in the forecast. This is due to the schedule of our meter reading which typically falls on the 22nd of the month until the 5th of the next month which is not aligned with the reading schedule from NGCP which is every 25th of the month.

MWh Offtake was forecasted using Quadratic with Smoothing (2 variable): Y = at2 + ct-1 + e



MWh Output was expected to grow at a rate of 8.96% annually.



Forecasted MWH System Loss was inputted at Feeder Technical Losses only. System Loss is expected to range from 5.30% to 9.10%

Segregated system loss data is currently unavailable. Currently, CASURECO I is undergoing data gathering and has initiated this process to collect accurate information for the primary lines. Once this data collection is complete, more precise segregated system loss data will be provided.

Power Supply

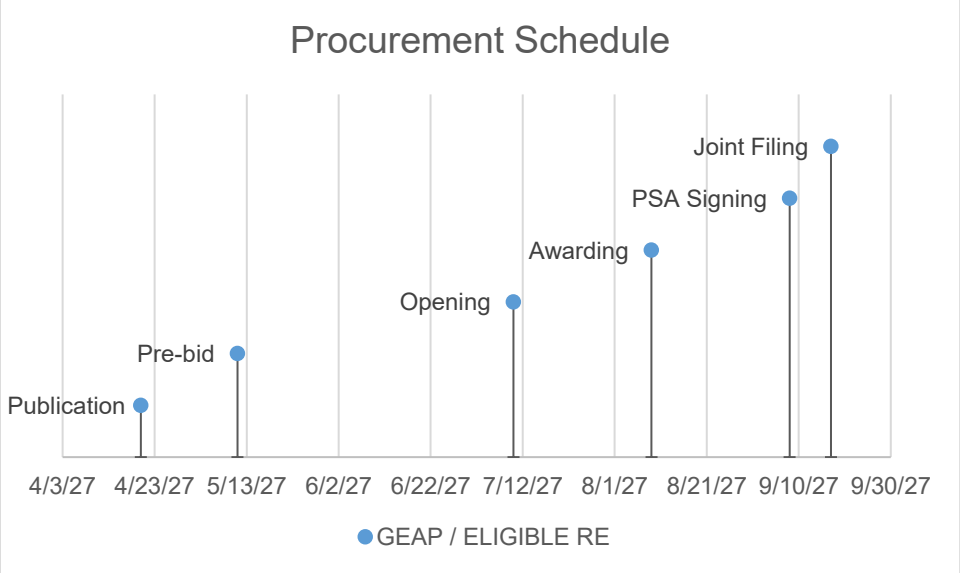
Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
ERC CASE NO. 2023-107 RC	Base	Power Sector Assets and Liabilities Management Corporation	9.80	23,422	4/26/2023	12/25/2025
ERC CASE NO. 2025-069 RC	Base	Therma Luzon, Inc.	4.50	19,035	6/26/2025	6/25/2040
ERC CASE NO. 2025-103 RC	Base	Masinloc Power Partners Company, Ltd.	4.50	16,087	7/26/2025	7/25/2040

The PSA with Power Sector Assets and Liabilities Management Corporation filed with ERC under Case No. 2023-107 RC was procured through a CSEE for a period of one year at 14MW. It was selected to provide for baseload requirements following the mutual termination with San Miguel Energy Corporation (LPPC) dated January 25, 2023. We have applied for an extension of the CSEE that would extend it up to January 25, 2025, however, the LOA that was approved for extension of the CSEE was up to December 25, 2024, at a reduced capacity of 9.80 MW. The CSEE with PSALM was subsequently extended again for another year, ending on December 25, 2025, to account for potential delays in the NEA Joint-CSP.

CASURECO I participated as a Member Electric Cooperative (EC) in the Joint Competitive Selection Process (CSP) for the Aggregated Baseload Supply of Luzon On-Grid Electric Cooperatives (LECA), in accordance with the NEA Advisory dated April 29, 2024. The Joint CSP has been completed, and the Power Supply Agreements (PSAs) with the winning bidders—Therma Luzon Inc. (TLI) and Masinloc Power Partners Co. Ltd. (MPCL)—have been finalized and both provisionally approved by the Energy Regulatory Commission (ERC).

On June 4, 2025, CASURECO I received the ERC Provisional Authority (PA) Order dated May 21, 2025, under ERC Case No. 2025-069 RC, authorizing TLI to commence supply on June 26, 2025, with the PSA expiring on June 25, 2040, thereby reflecting the full 15-year contract term. Subsequently, on July 21, 2025, CASURECO I received the ERC Order dated July 10, 2025, under ERC Case No. 2025-103 RC, granting Provisional Authority to MPCL to begin supply on July 26, 2025, with the PSA expiring on July 25, 2040, also covering a 15-year period.

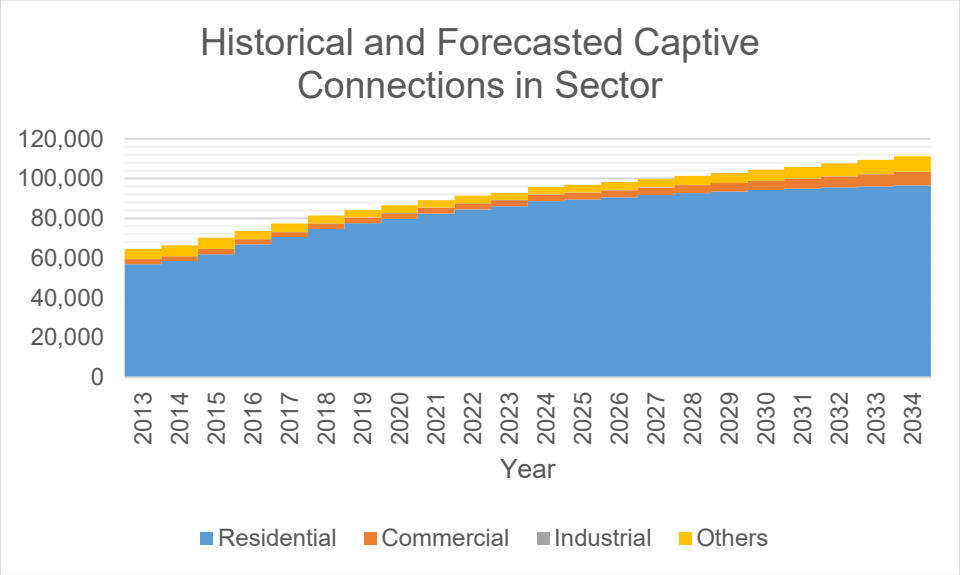
	GEAP / ELIGIBLE RE
Type	Intermediate
Minimum MW	15.94
Minimum MWh/yr	28,000
Maximum MW	67.35
Maximum MWh/yr	118,000
PSA Start	12/26/2027
PSA End	12/25 /2037
Publication	4/20/2027
Pre-bid	5/11/2027
Opening	7/10/2027
Awarding	8/9/2027
PSA Signing	9/8/2027
Joint Filing	9/17/2027



CASURECO I originally planned to comply with its RPS obligations by procuring from the Green Energy Auction Program (GEAP) pool of winning bidders through the Opt-in Mechanism. However, due to the current unavailability of the GEAP Opt-in Mechanism and the uncertainty surrounding its implementation timeline, CASURECO I shall consider this only as a backup compliance option. As an alternative, the cooperative intends to conduct a Competitive Selection Process (CSP) for eligible renewable energy (RE) supply to meet its future RPS obligations.

Under this plan, CASURECO I targets to procure 15.94 MW of eligible renewable energy, equivalent to approximately 28,000 MWh at a 20% load factor, with the start of supply planned for December 26, 2027. The target publication of the Invitation to Bid (ITB) is April 20, 2027, in accordance with the CSP policy timelines prescribed by the Department of Energy (DOE). This contracted capacity is indicative and may vary depending on the RE technology to be procured, provided that the required energy output is achieved.

Captive Customer Connections



The number of Residential connections is expected to grow at an average rate of 0.85% annually. Said customer class accounts for 92.73% of the total consumption in 2024.