

Power Supply Procurement Plan 2025

**Zamboanga City Electric Cooperative, Inc.
(ZAMCELCO)**

On Grid

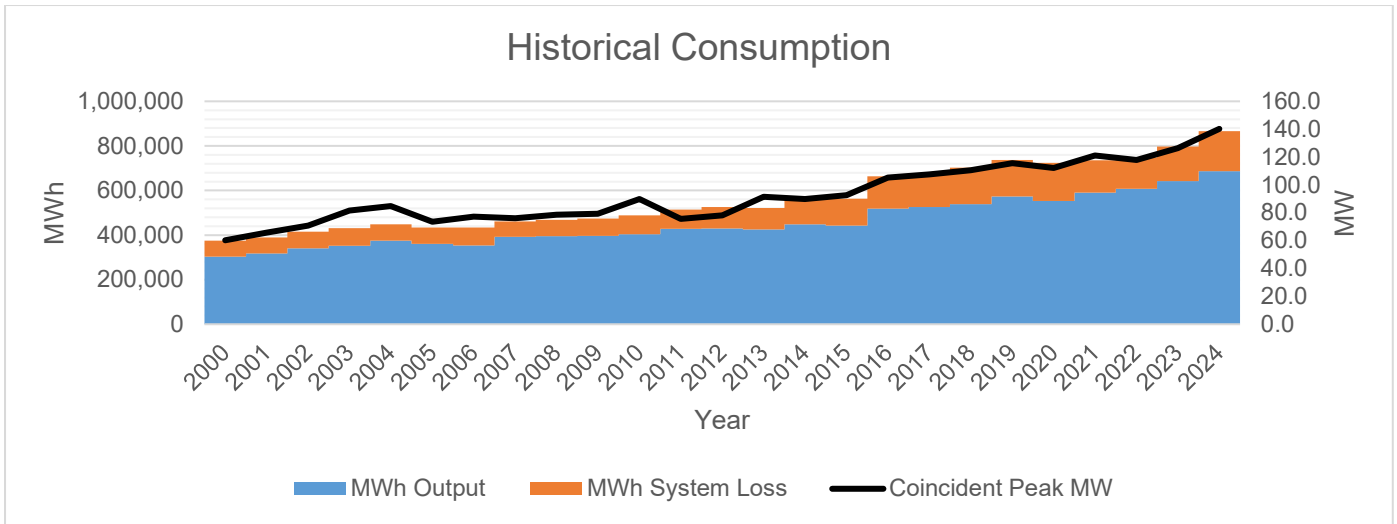
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	60.27	391,329	0	375,016	302,638	72,378	71%	0.00%	4.17%	19.30%
2001	65.82	406,640	0	389,689	317,691	71,998	68%	0.00%	4.17%	18.48%
2002	70.88	433,499	0	415,428	339,977	75,450	67%	0.00%	4.17%	18.16%
2003	81.62	449,396	0	430,662	351,543	79,119	60%	0.00%	4.17%	18.37%
2004	84.92	467,042	0	447,573	374,986	72,587	60%	0.00%	4.17%	16.22%
2005	73.64	452,670	0	433,800	360,941	72,859	67%	0.00%	4.17%	16.80%
2006	77.13	452,829	0	433,952	353,822	80,130	64%	0.00%	4.17%	18.47%
2007	76.05	480,766	0	460,724	391,973	68,751	69%	0.00%	4.17%	14.92%
2008	78.53	488,127	0	467,779	395,022	72,757	68%	0.00%	4.17%	15.55%
2009	79.31	495,337	0	474,688	396,970	77,718	68%	0.00%	4.17%	16.37%
2010	89.79	510,152	0	488,885	403,442	85,444	62%	0.00%	4.17%	17.48%
2011	75.67	536,940	0	514,413	427,500	86,913	78%	0.00%	4.20%	16.90%
2012	78.08	548,921	0	525,680	430,201	95,479	77%	0.00%	4.23%	18.16%
2013	91.39	544,697	0	521,836	425,101	96,735	65%	0.00%	4.20%	18.54%
2014	89.99	584,646	0	560,109	447,625	112,484	71%	0.00%	4.20%	20.08%
2015	92.60	587,510	0	562,840	441,968	120,872	69%	0.00%	4.20%	21.48%
2016	105.25	694,556	0	663,918	519,202	144,716	72%	0.00%	4.41%	21.80%
2017	107.53	706,103	0	675,535	526,293	149,242	72%	0.00%	4.33%	22.09%
2018	110.66	748,179	0	702,575	538,483	164,092	72%	0.00%	6.10%	23.36%
2019	115.64	762,711	0	737,554	572,891	164,662	73%	0.00%	3.30%	22.33%
2020	112.15	747,656	0	724,060	552,825	171,234	74%	0.00%	3.16%	23.65%
2021	121.13	765,226	0	735,619	591,027	144,592	69%	0.00%	3.87%	19.66%
2022	117.89	763,176	0	748,247	607,284	140,963	72%	0.00%	1.96%	18.84%
2023	126.36	809,100	86,299	797,474	642,279	155,195	72%	0.00%	1.44%	19.46%
2024	140.24	883,609	59,610	865,774	686,583	179,191	70%	0.00%	2.02%	20.70%

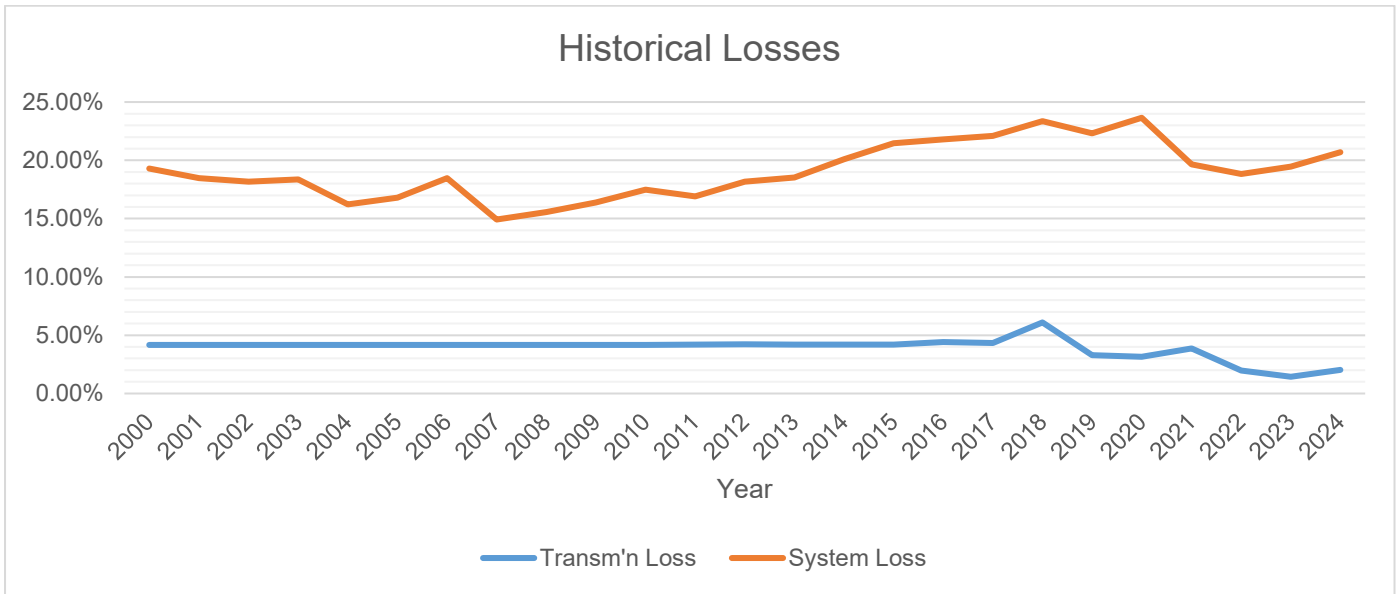
Peak demand increased from 60.27 MW in 2000 to 140.24 MW in 2024 at an annual average rate of 7.27%. The significant increase in demand resulted from the high heat index caused by the El Niño phenomenon between the months of March and May last year, which subsequently led to an increase in energy consumption. MWh offtake increased from 391,329 MWh in 2000 to 883,609 MWh in 2024 at a rate of 4.32% due to high energy consumption. Within the same period, the load factor ranged from 60% to 78%.

There was an abrupt change in consumption in 2016 due to high energy demand, as well as the continuous increase in the level of electrification within the franchise area. There was also a noticeable increase in system loss compared to previous years, as the EC is still implementing its plans and programs to improve its distribution network assets.

Focusing on last year's performance, peak demand increased by 10.98%, while MWh output and energy sales increased by 6.90% compared to the previous year.

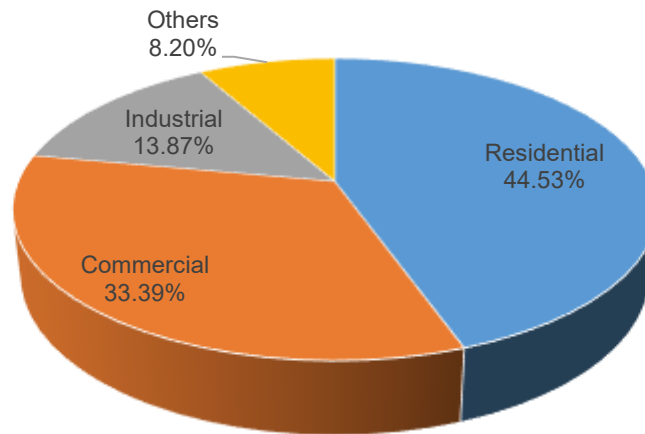


MWh output increased from 2000 to 2024 at an average rate of 5.13%, while MWh system loss from the previous year increased at a rate of 15.46% due to both technical and non-technical losses. The EC continues to plan and implement solutions to reduce system loss by carrying out system loss reduction programs and projects, as well as rehabilitating and expanding its distribution network through proposed capital expenditure projects.



Historically, transmission loss ranged from 1.44% to 6.10%, while system loss ranged from 14.92% to 23.65%. Transmission losses peaked at 6.10% in 2018 due to high technical losses. System losses peaked at 23.65% in 2020 because of both high technical and non-technical losses, as well as the adverse effects of community quarantine measures during the pandemic. However, technical and non-technical system losses are expected to be addressed in the next Capital Expenditure (CAPEX) application for the regulatory period, along with other programs aimed at reducing system loss.

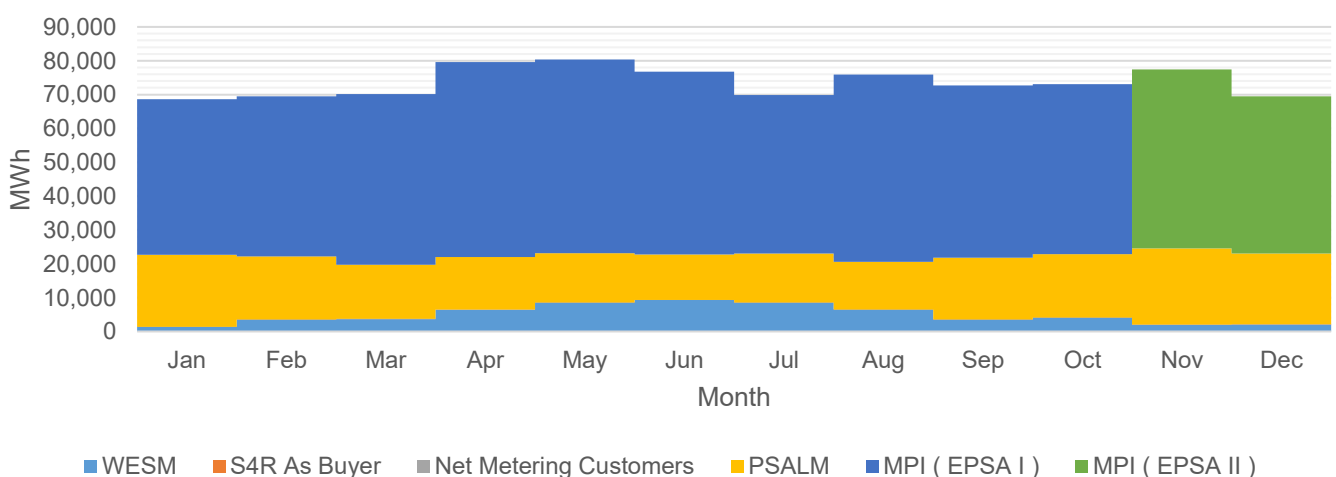
Previous Year's Shares of Energy Sales



Residential customers account for the bulk of energy sales, which continue to increase from 44.17% to 44.53% due to the growing number of new connections within the franchise area. In contrast, the "Others" category, which includes public buildings and streetlights, accounted for only 8.20% of the total, a slight decrease from 8.35% in the previous year. This reduction is attributed to the limited number of new connections and the transition of Zamboanga City's local government streetlights from conventional grid-connected systems to solar power, in support of the gradual shift toward renewable energy.

Compared to last year, the energy share percentage of the commercial sector increased to 33.39% from 33.07%, while that of the industrial sector decreased to 13.87% from 14.40%.

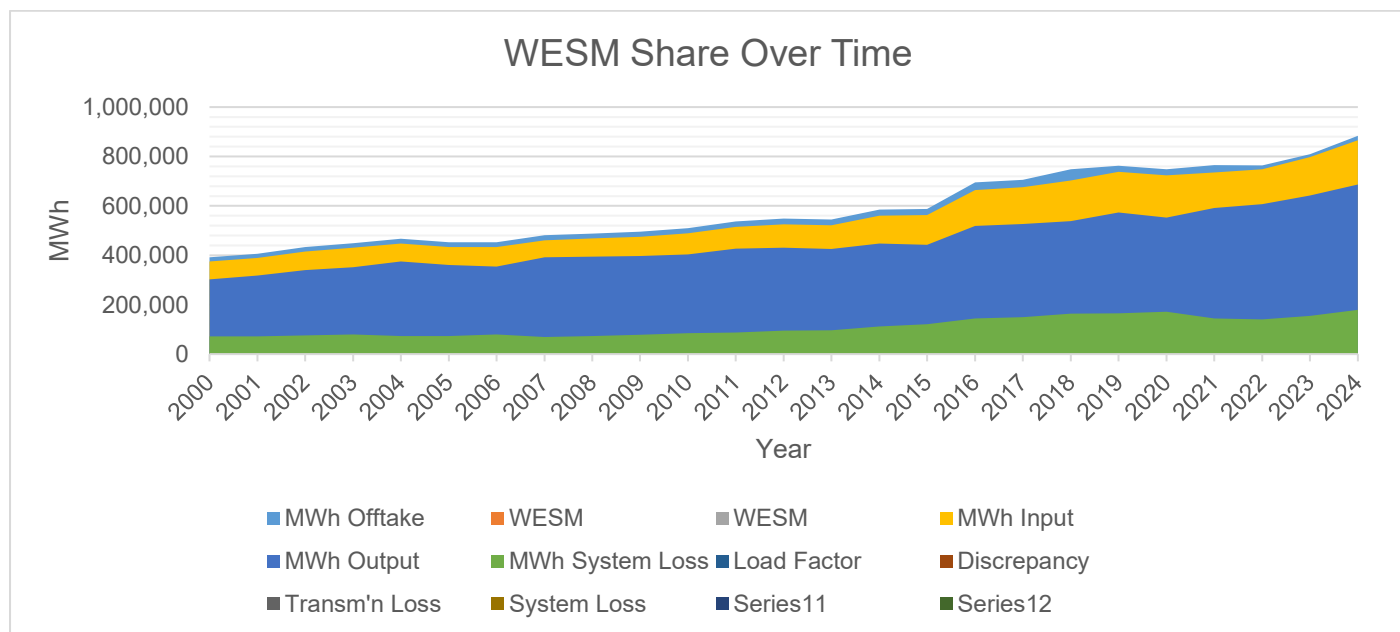
MWh Offtake for Last Historical Year



The total offtake for the last historical year is higher than the bilateral contract quantities. The deficit in total offtake was sourced from the Wholesale Electricity Spot Market (WESM). EPSA I with Malita Power Inc. (MPI), under ERC Case No. 2023-146 RC, accounts for the bulk of MWh offtake, with an agreement for 85 MW of contracted capacity, followed by an average of 31.92 MW with PSALM CSEE for 2024 to 2025.

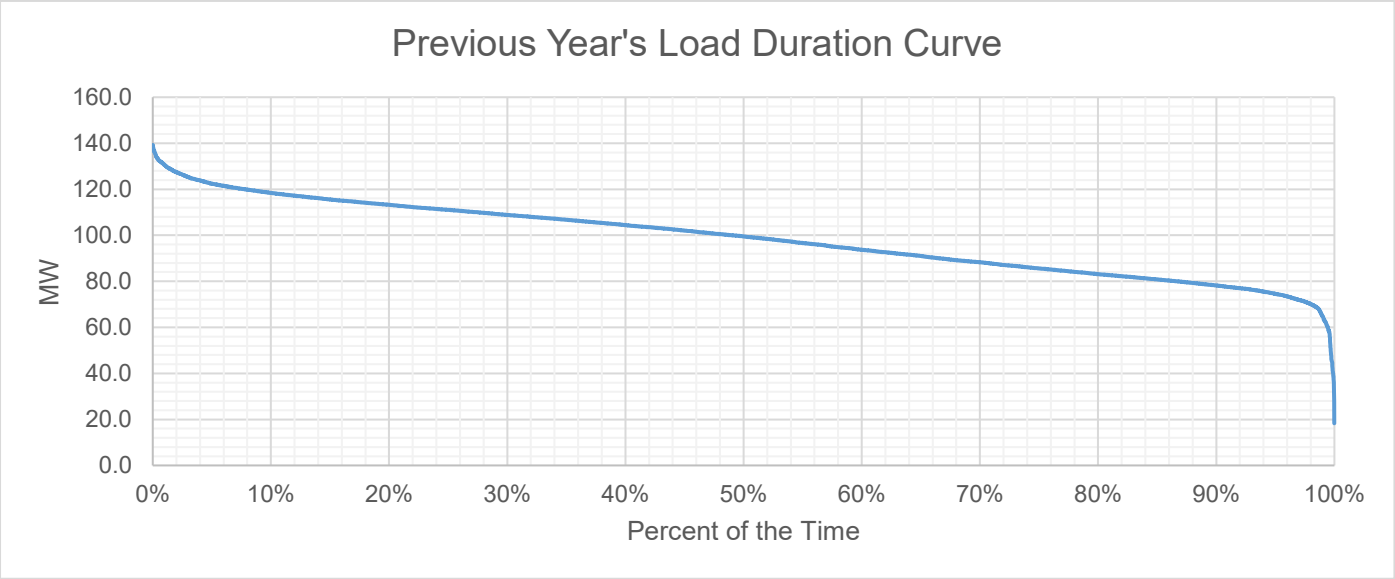
However, after the expiration of EPSA I with MPI on October 25, 2024, ZAMCELCO entered into another EPSA with MPI for an additional 12 billing months (one-year cooperation period). The new EPSA is still in the process of filing its application before the ERC.

ZAMCELCO, through its BAC-CSP, has already submitted all pertinent documents for NEA’s review before awarding the contract to the bidder with the Lowest Calculated Responsive Bid (LCRB) in accordance with NEA Memorandum 2023-57, Article 8.2.11, item (d).

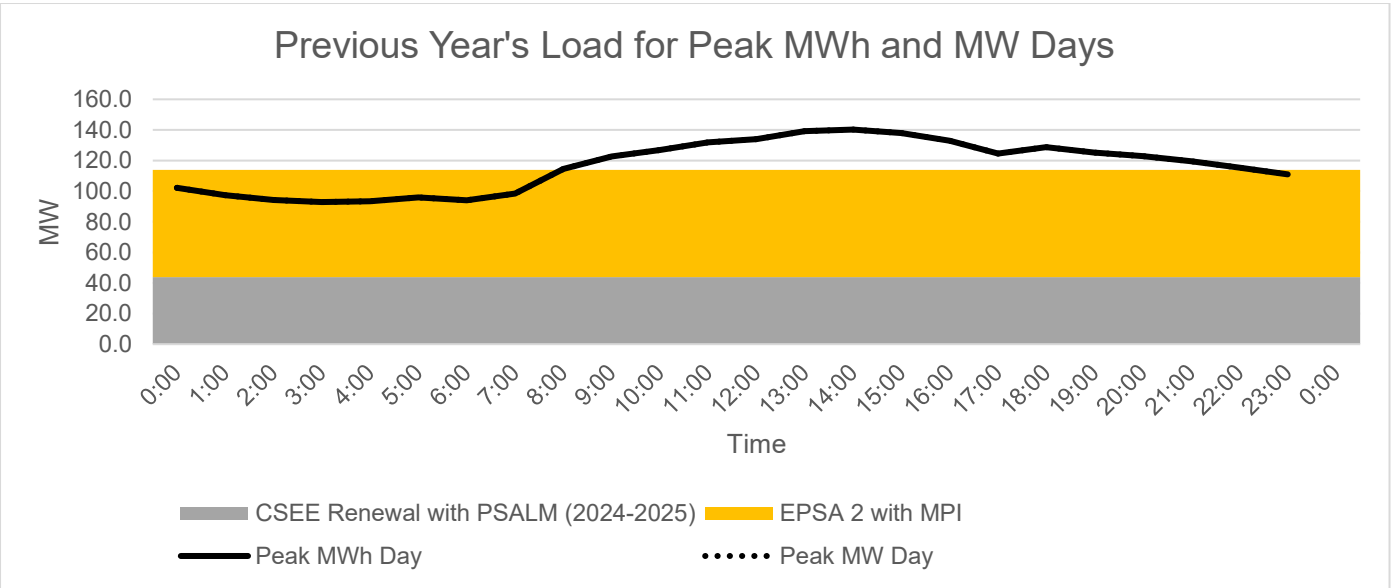


ZAMCELCO is now a direct member of WESM, having joined on August 16, 2022, prior to the start of commercial operations in Mindanao. On January 26, 2023, the commercial operations of WESM in Mindanao commenced. The deficit in the energy requirement that cannot be met by ZAMCELCO’s existing bilateral contract quantities is being fulfilled by WESM. Around 6.75% of the EC’s total offtake comes from WESM for the year 2024.

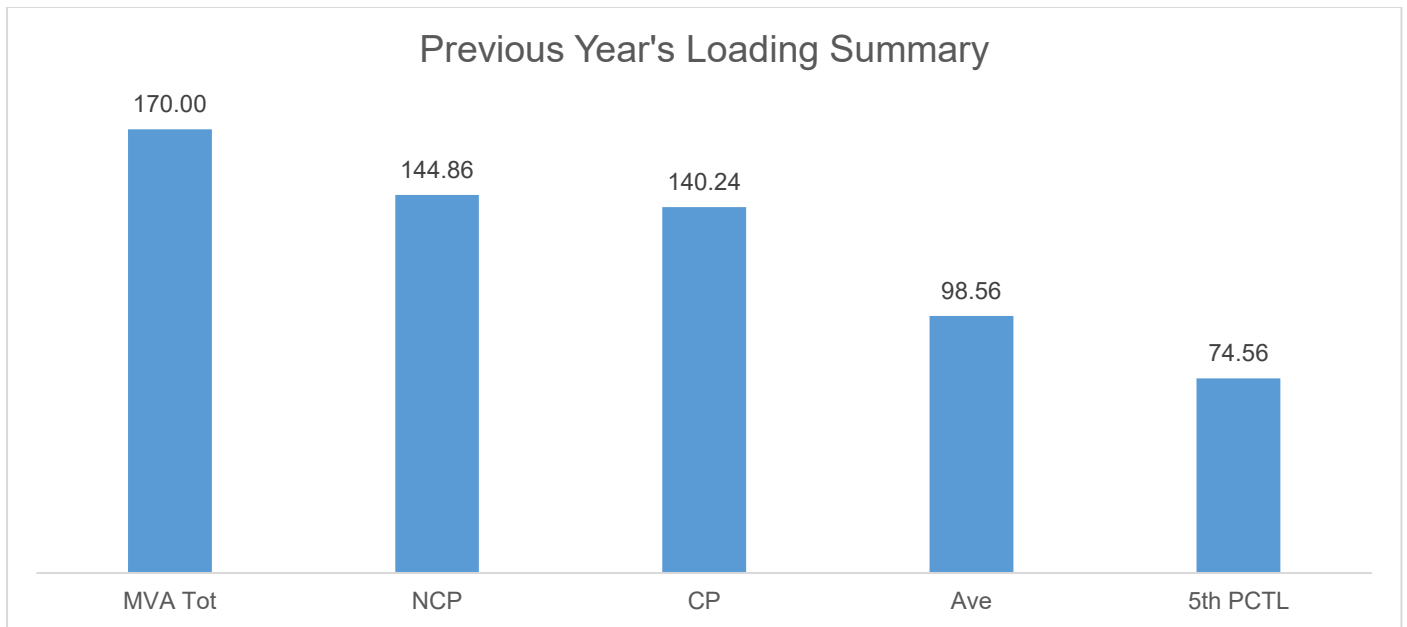
Previous Year's Load Profile



Based on the load duration curve, the demand at the 50th percentile is around 99 MW, while the maximum load recorded in the last historical year was 140.24 MW.



The peak demand of MW occurred on April 24, 2024, driven by high energy consumption during that period, primarily due to the elevated heat index caused by the El Niño phenomenon. Similarly, the peak daily MWh was recorded on the same date, reflecting the surge in energy demand. As indicated by the load curves, the available supply fell short of the peak demand, particularly during peak hours.



The non-coincident peak demand is 144.86 MW, which is approximately 84.18% of the total substation capacity of 170 MVA at a power factor of 0.98. The load factor, or the ratio between the average load of 98.56 MW and the non-coincident peak demand, is 68.04%.

A safe estimate of the true minimum load is the fifth percentile load of 74.56 MW, which is 51.47% of the non-coincident peak demand.

Metering Point	Substation MVA	Substation Peak MW
Putik	40	39.424
San Jose Gusu	20	19.699
Sangali	10	10.500
Ayala & Recodo	35	24.269
Cabatangan	20	15.354
Camanchile	45	35.613

The substations operating above 70% capacity are Putik, San Jose Gusu, Sangali, Cabatangan, and Camanchile. This loading issue will be addressed through uprating and the addition of MVA capacity for these substations as part of the 2019–2021 Capital Expenditures (CAPEX) Application of the electric cooperative, as well as in the next CAPEX application.

The Ayala and Recodo substations are still within tolerable limits. An additional 15 MVA power transformer was energized at the Recodo Substation in 2023, replacing the previous 10 MVA-rated power transformer.

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	118.63	43.80	70.00	0.000		37%	96%	-4.84
	Feb	121.02	42.04	75.00	0.000		35%	97%	-3.98
	Mar	125.75	42.81	80.00	0.000		34%	98%	-2.93
	Apr	140.84	39.92	85.00	0.000		28%	89%	-15.92
	May	138.99	38.96	85.00	0.000		28%	89%	-15.03
	Jun	139.79	35.85	85.00	0.000		26%	86%	-18.94
	Jul	126.09	38.57	85.00	0.000		31%	98%	-2.52
	Aug	127.93	37.09	85.00	0.000		29%	95%	-5.84
	Sep	126.66	44.49	80.00	0.000		35%	98%	-2.17
	Oct	128.35	45.03	80.00	0.000		35%	97%	-3.31
	Nov	128.08	47.59	0.00	80.000		37%	100%	-0.49
	Dec	128.21	46.88	0.00	80.000		37%	99%	-1.33
2026	Jan	125.36	0.00	0.00	115.657		0%	92%	-9.71
	Feb	127.88	0.00	0.00	114.429		0%	89%	-13.45
	Mar	132.88	0.00	0.00	129.969		0%	98%	-2.91
	Apr	148.83	0.00	0.00	147.945		0%	99%	-0.88
	May	146.88	0.00	0.00	142.272		0%	97%	-4.61
	Jun	147.72	0.00	0.00	145.094		0%	98%	-2.63
	Jul	133.24	0.00	0.00	131.996		0%	99%	-1.24
	Aug	135.18	0.00	0.00	130.964		0%	97%	-4.22
	Sep	133.84	0.00	0.00	131.145		0%	98%	-2.70
	Oct	135.63	0.00	0.00	131.522		0%	97%	-4.10
	Nov	135.34	0.00	0.00	133.312		0%	99%	-2.03
	Dec	135.48	0.00	0.00	132.815		0%	98%	-2.67
2027	Jan	132.85	0.00	0.00	130.657		0%	98%	-2.20
	Feb	135.52	0.00	0.00	134.429		0%	99%	-1.09
	Mar	140.82	0.00	0.00	139.969		0%	99%	-0.85
	Apr	157.72	0.00	0.00	152.945		0%	97%	-4.78
	May	155.66	0.00	0.00	152.272		0%	98%	-3.38

	Jun	156.55	0.00	0.00	150.094		0%	96%	-6.45
	Jul	141.20	0.00	0.00	136.996		0%	97%	-4.20
	Aug	143.26	0.00	0.00	140.964		0%	98%	-2.30
	Sep	141.84	0.00	0.00	141.145		0%	100%	-0.70
	Oct	143.73	0.00	0.00	141.522		0%	98%	-2.21
	Nov	143.43	0.00	0.00	143.312		0%	100%	-0.12
	Dec	143.58	0.00	0.00	142.815		0%	99%	-0.76
2028	Jan	141.19	0.00	0.00	125.000		0%	89%	-16.19
	Feb	144.03	0.00	0.00	125.000		0%	87%	-19.03
	Mar	149.65	0.00	0.00	145.000		0%	97%	-4.65
	Apr	167.62	0.00	0.00	165.000		0%	98%	-2.62
	May	165.42	0.00	0.00	165.000		0%	100%	-0.42
	Jun	166.37	0.00	0.00	165.000		0%	99%	-1.37
	Jul	150.06	0.00	0.00	150.000		0%	100%	-0.06
	Aug	152.25	0.00	0.00	150.000		0%	99%	-2.25
	Sep	150.74	0.00	0.00	150.000		0%	100%	-0.74
	Oct	152.75	0.00	0.00	150.000		0%	98%	-2.75
	Nov	152.43	0.00	0.00	150.000		0%	98%	-2.43
	Dec	152.59	0.00	0.00	150.000		0%	98%	-2.59
2029	Jan	150.46	0.00	0.00	150.000		0%	100%	-0.46
	Feb	153.48	0.00	0.00	150.000		0%	98%	-3.48
	Mar	159.48	0.00	0.00	155.000		0%	97%	-4.48
	Apr	178.62	0.00	0.00	175.000		0%	98%	-3.62
	May	176.28	0.00	0.00	175.000		0%	99%	-1.28
	Jun	177.29	0.00	0.00	175.000		0%	99%	-2.29
	Jul	159.91	0.00	0.00	155.000		0%	97%	-4.91
	Aug	162.24	0.00	0.00	160.000		0%	99%	-2.24
	Sep	160.64	0.00	0.00	160.000		0%	100%	-0.64
	Oct	162.77	0.00	0.00	160.000		0%	98%	-2.77
	Nov	162.43	0.00	0.00	160.000		0%	99%	-2.43
	Dec	162.60	0.00	0.00	160.000		0%	98%	-2.60
2030	Jan	160.74	0.00	0.00	160.000		0%	100%	-0.74
	Feb	163.97	0.00	0.00	160.000		0%	98%	-3.97
	Mar	170.38	0.00	0.00	170.000		0%	100%	-0.38

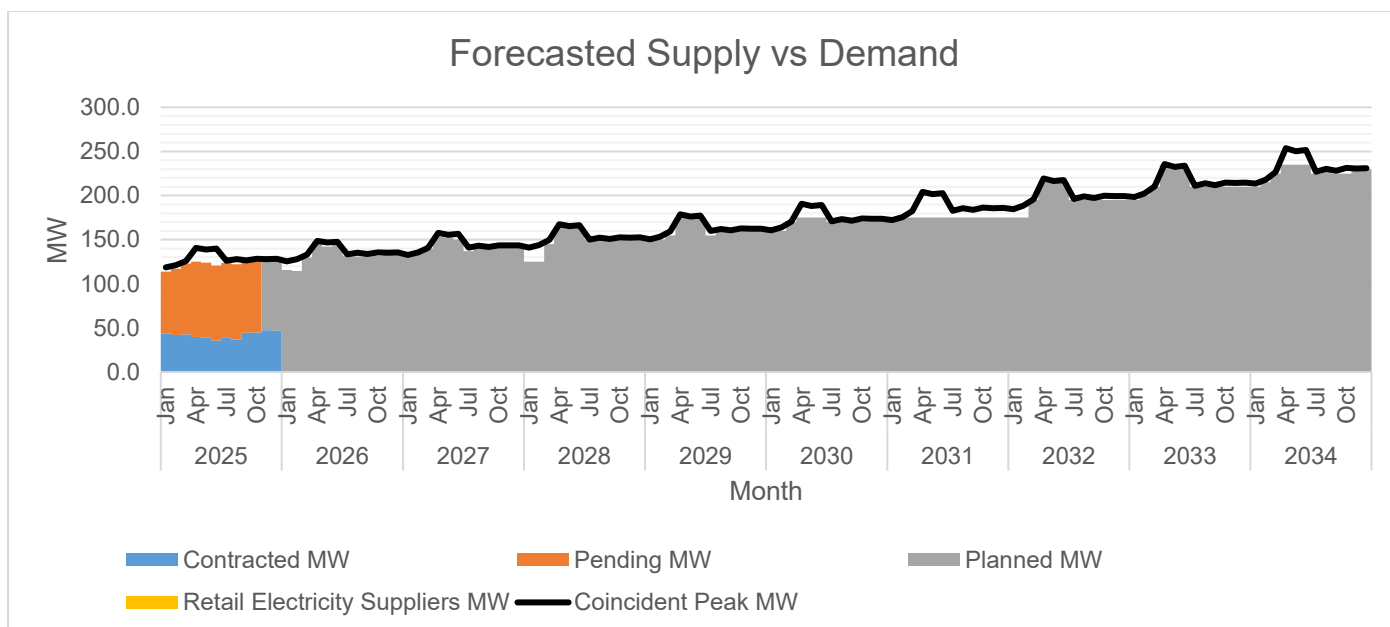
	Apr	190.83	0.00	0.00	175.000		0%	92%	-15.83
	May	188.33	0.00	0.00	175.000		0%	93%	-13.33
	Jun	189.41	0.00	0.00	175.000		0%	92%	-14.41
	Jul	170.84	0.00	0.00	170.000		0%	100%	-0.84
	Aug	173.33	0.00	0.00	170.000		0%	98%	-3.33
	Sep	171.61	0.00	0.00	170.000		0%	99%	-1.61
	Oct	173.90	0.00	0.00	170.000		0%	98%	-3.90
	Nov	173.53	0.00	0.00	170.000		0%	98%	-3.53
	Dec	173.72	0.00	0.00	170.000		0%	98%	-3.72
2031	Jan	172.12	0.00	0.00	170.000		0%	99%	-2.12
	Feb	175.58	0.00	0.00	175.000		0%	100%	-0.58
	Mar	182.44	0.00	0.00	175.000		0%	96%	-7.44
	Apr	204.34	0.00	0.00	175.000		0%	86%	-29.34
	May	201.66	0.00	0.00	175.000		0%	87%	-26.66
	Jun	202.82	0.00	0.00	175.000		0%	86%	-27.82
	Jul	182.93	0.00	0.00	175.000		0%	96%	-7.93
	Aug	185.60	0.00	0.00	175.000		0%	94%	-10.60
	Sep	183.77	0.00	0.00	175.000		0%	95%	-8.77
	Oct	186.21	0.00	0.00	175.000		0%	94%	-11.21
	Nov	185.82	0.00	0.00	175.000		0%	94%	-10.82
	Dec	186.02	0.00	0.00	175.000		0%	94%	-11.02
2032	Jan	184.69	0.00	0.00	175.000		0%	95%	-9.69
	Feb	188.40	0.00	0.00	175.000		0%	93%	-13.40
	Mar	195.76	0.00	0.00	195.000		0%	100%	-0.76
	Apr	219.26	0.00	0.00	215.000		0%	98%	-4.26
	May	216.39	0.00	0.00	215.000		0%	99%	-1.39
	Jun	217.63	0.00	0.00	215.000		0%	99%	-2.63
	Jul	196.29	0.00	0.00	195.000		0%	99%	-1.29
	Aug	199.16	0.00	0.00	195.000		0%	98%	-4.16
	Sep	197.18	0.00	0.00	195.000		0%	99%	-2.18
	Oct	199.81	0.00	0.00	195.000		0%	98%	-4.81
	Nov	199.39	0.00	0.00	195.000		0%	98%	-4.39
	Dec	199.60	0.00	0.00	195.000		0%	98%	-4.60
2033	Jan	198.52	0.00	0.00	195.000		0%	98%	-3.52

	Feb	202.51	0.00	0.00	200.000		0%	99%	-2.51
	Mar	210.42	0.00	0.00	210.000		0%	100%	-0.42
	Apr	235.68	0.00	0.00	235.000		0%	100%	-0.68
	May	232.60	0.00	0.00	230.000		0%	99%	-2.60
	Jun	233.93	0.00	0.00	230.000		0%	98%	-3.93
	Jul	210.99	0.00	0.00	210.000		0%	100%	-0.99
	Aug	214.07	0.00	0.00	210.000		0%	98%	-4.07
	Sep	211.95	0.00	0.00	210.000		0%	99%	-1.95
	Oct	214.78	0.00	0.00	210.000		0%	98%	-4.78
	Nov	214.32	0.00	0.00	210.000		0%	98%	-4.32
	Dec	214.55	0.00	0.00	210.000		0%	98%	-4.55
2034	Jan	213.71	0.00	0.00	210.000		0%	98%	-3.71
	Feb	218.01	0.00	0.00	215.000		0%	99%	-3.01
	Mar	226.52	0.00	0.00	225.000		0%	99%	-1.52
	Apr	253.71	0.00	0.00	235.000		0%	93%	-18.71
	May	250.39	0.00	0.00	235.000		0%	94%	-15.39
	Jun	251.83	0.00	0.00	235.000		0%	93%	-16.83
	Jul	227.14	0.00	0.00	225.000		0%	99%	-2.14
	Aug	230.45	0.00	0.00	230.000		0%	100%	-0.45
	Sep	228.17	0.00	0.00	225.000		0%	99%	-3.17
	Oct	231.21	0.00	0.00	225.000		0%	97%	-6.21
	Nov	230.72	0.00	0.00	230.000		0%	100%	-0.72
	Dec	230.96	0.00	0.00	230.000		0%	100%	-0.96

Peak demand was forecasted using a cubic equation: $Y = at^3 + ct + d$, and it was assumed to occur in April each year, based on historical data of when peak demand has typically occurred. Monthly peak demand is at its lowest from November to February due to the annual three-month fishing ban. The fishing ban starts on November 15 and ends on February 15. During this period, fishing personnel—primarily from large sardine and canning factories—are prohibited from catching "tamban" (sardines) to support species propagation. The closed fishing season is implemented in accordance with BFAR Administrative Circular 255, Series of 2014.

Zamboanga City, home to 11 sardine canning factories, is known as the "Sardine Capital of the Philippines." However, in 2024, the fishing ban will take place from November 15, 2024, to February 15, 2025.

In general, peak demand is expected to grow at an average annual rate of 6.58%, considering the projected additional substantial demand from commercial and industrial customers and the rapid development within the ZAMCELCO franchise area.

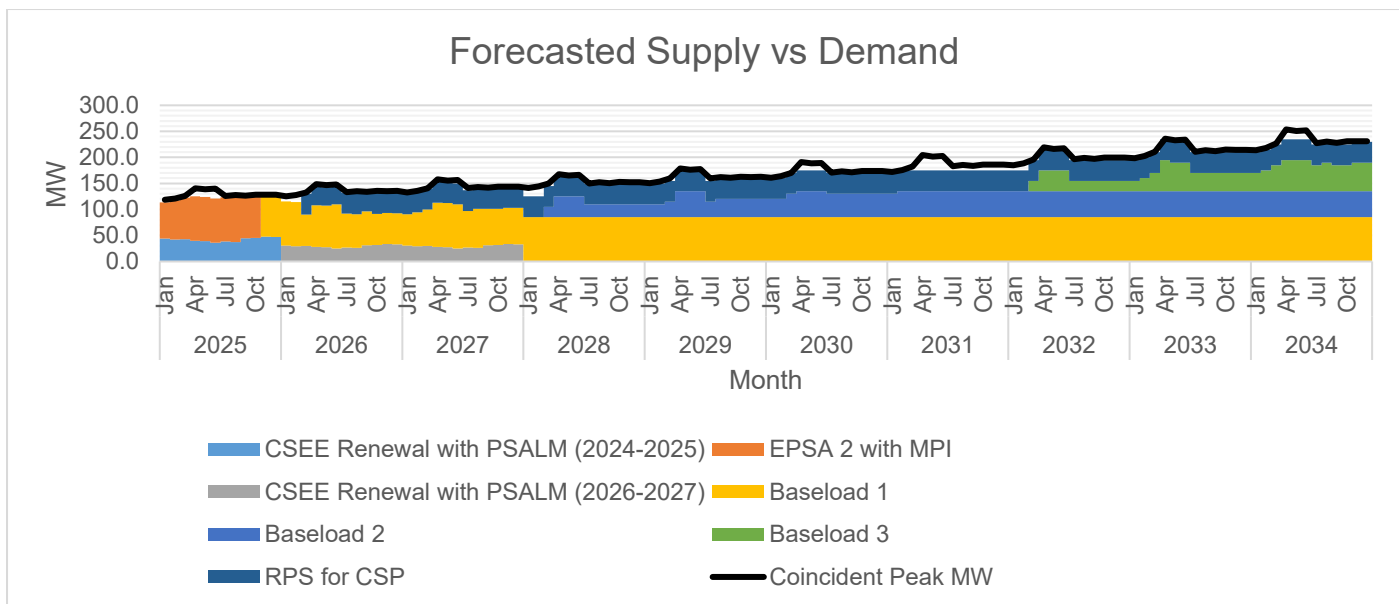


The available supply is generally below peak demand because the energy provided by the existing power supply contracts is insufficient to meet ZAMCELCO's energy requirements. This deficiency is being sourced from the Wholesale Electricity Spot Market (WESM) following its commencement in Mindanao.

The termination of the contract with ADSI is tied to the Department of Energy's (DOE) Department Circular No. DC 2022-12-0039, which initiated WESM's commercial operations in Mindanao. According to Section 9, FIT beneficiaries will lose their RESA with their utility once WESM Mindanao goes live, in accordance with the Energy Regulatory Commission's (ERC) FIT Allowance collection guidelines. Additionally, Power Supply Agreements (PSAs) with ZAMCELCO were affected due to failure to comply with the DOE 2018 CSP Circular, as mandated by the Supreme Court in the Alyansa case, making them ineligible to supply under WESM rules.

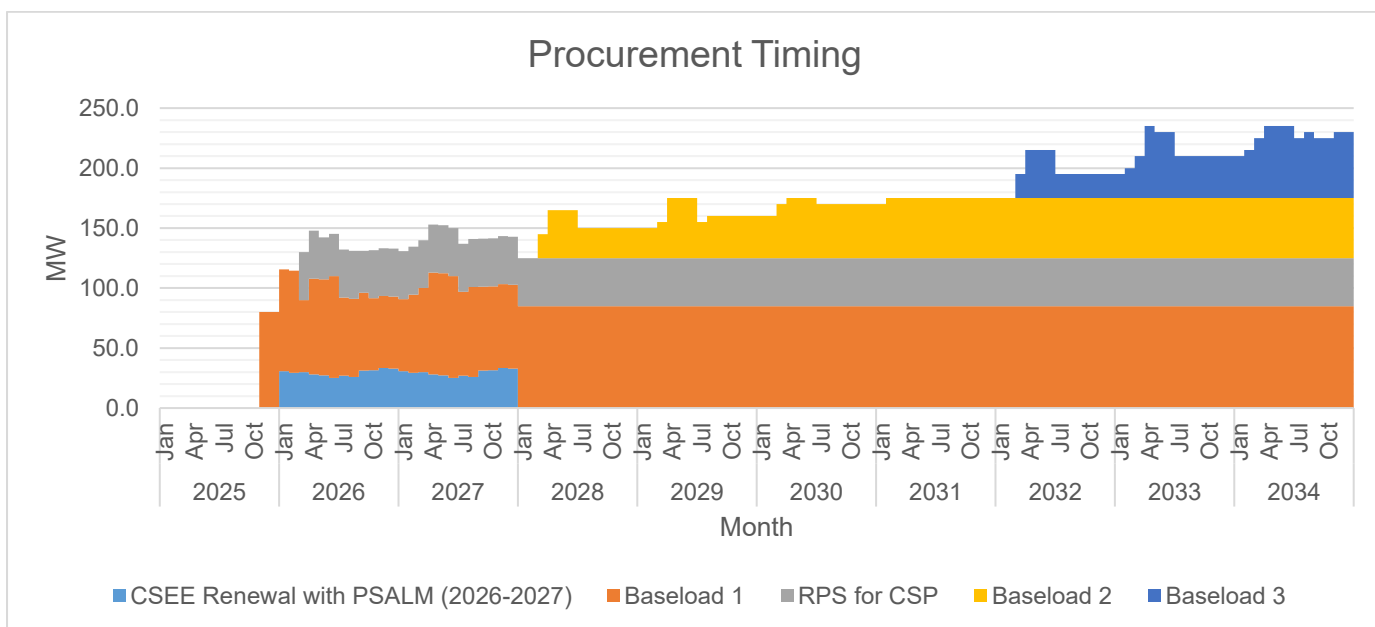
To address this, ZAMCELCO entered into an Emergency Power Supply Agreement (EPSA 1) with a one-year cooperation period (12 billing months) from October 26, 2023, to October 25, 2024. Moreover, the electric cooperative (EC) has applied for another EPSA covering October 26, 2024, to October 25, 2025, after the expiration of EPSA 1.

Currently, ZAMCELCO, through its Bids and Awards Committee for Competitive Selection Process (BAC-CSP), is conducting a Competitive Selection Process (CSP) for the procurement of 85 MW Baseload power supply. The EC has already submitted the necessary documents required for NEA's review, in accordance with NEA Memorandum 2023-57, Article 8.2.11 (d), before the awarding of the contract.



Of the available supply, the largest portion—85 MW—comes from an Emergency Power Supply Agreement (EPSA II), which is currently in the process of being filed by ZAMCELCO and Malita Power Inc. with the Energy Regulatory Commission (ERC) to ensure the continuous delivery of electricity to its captive market. This is followed by 31.92 MW, based on the average contracted demand from the Power Sector Assets and Liabilities Management Corporation (PSALM).

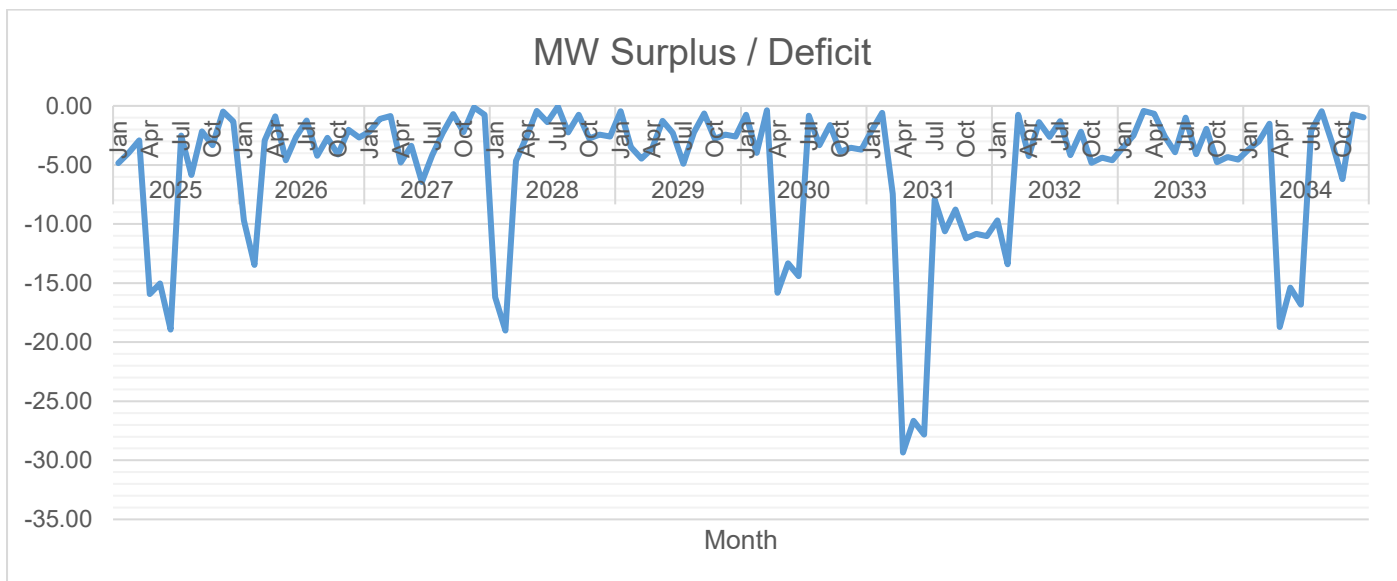
The deficiency in power supply requirements will be addressed through the procurement of additional power supply via a Competitive Selection Process (CSP), as proposed by the ZAMCELCO BAC-CSP. The first wave of power supply procurement is scheduled to commence this year, 2025.



The first wave of supply procurement will be for a firm maximum capacity of 85 MW, with baseload power planned to be available by October 26, 2025, before the expiration of EPSA II. This will be followed by the procurement of a maximum capacity of 40 MW of renewable energy to comply with the Renewable Portfolio Standards (RPS), which is planned to be available by February 26, 2026.



Currently, there is under-contracting, with an average deficit of -29.34%. The highest target contracting level is 100%, while the lowest target contracting level is 86%. The gap between the contracted supply and the target contracting level will be addressed through the procurement of additional power supply via the Competitive Selection Process (CSP) to secure a stable supply and sustain the growing demand of the electric cooperative within its franchise area.



Currently, there is under-contracting, with an average deficit of -9.45 MW. The highest deficit, 29.34 MW, is expected to occur in April 2031. However, this under-contracted supply will be purchased from the spot market while preparations for the Competitive Selection Process (CSP) are underway.

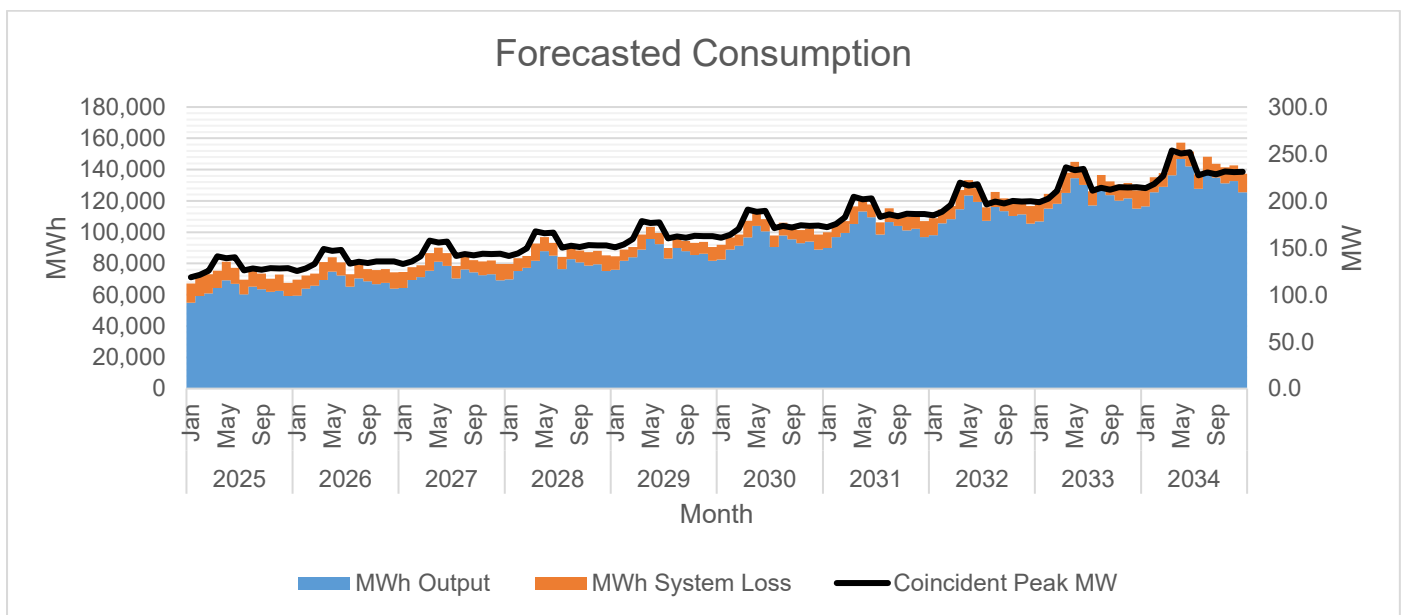
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2025	Jan	72,024	54,939	12,202	6.78%	18.17%
	Feb	76,938	59,167	12,881	6.36%	17.88%
	Mar	77,891	60,751	12,410	6.07%	16.96%
	Apr	80,254	64,261	11,073	6.13%	14.70%

	May	86,373	69,134	11,878	6.21%	14.66%
	Jun	82,375	66,879	10,382	6.21%	13.44%
	Jul	74,187	60,149	9,433	6.21%	13.56%
	Aug	80,407	65,093	10,282	6.26%	13.64%
	Sep	78,390	63,506	10,054	6.16%	13.67%
	Oct	74,859	61,795	8,508	6.09%	12.10%
	Nov	77,631	62,466	10,448	6.08%	14.33%
	Dec	72,066	59,128	8,500	6.16%	12.57%
2026	Jan	74,432	59,423	10,113	6.58%	14.54%
	Feb	77,000	63,997	8,260	6.16%	11.43%
	Mar	78,048	65,710	7,745	5.88%	10.54%
	Apr	86,007	69,508	11,374	5.96%	14.06%
	May	89,310	74,780	9,149	6.03%	10.90%
	Jun	85,802	72,341	8,288	6.03%	10.28%
	Jul	77,731	65,060	7,984	6.03%	10.93%
	Aug	84,336	70,407	8,803	6.08%	11.11%
	Sep	81,329	68,692	7,774	5.98%	10.17%
	Oct	80,551	66,841	8,943	5.92%	11.80%
	Nov	81,118	67,565	8,769	5.90%	11.49%
	Dec	79,034	63,956	10,343	5.99%	13.92%
2027	Jan	79,763	64,377	10,123	6.60%	13.59%
	Feb	82,493	69,333	8,269	5.93%	10.66%
	Mar	83,546	71,189	7,753	5.51%	9.82%
	Apr	91,852	75,304	11,386	5.62%	13.13%
	May	95,624	81,018	9,158	5.70%	10.16%
	Jun	91,917	78,375	8,296	5.71%	9.57%
	Jul	83,244	70,487	7,992	5.72%	10.18%
	Aug	90,332	76,278	8,812	5.80%	10.36%
	Sep	87,118	74,421	7,782	5.64%	9.47%
	Oct	86,140	72,417	8,952	5.54%	11.00%
	Nov	86,795	73,199	8,777	5.55%	10.71%
	Dec	84,429	69,290	10,353	5.67%	13.00%
2028	Jan	86,098	69,853	9,858	7.42%	12.37%
	Feb	88,914	75,232	8,052	6.33%	9.67%
	Mar	89,895	77,246	7,550	5.67%	8.90%
	Apr	98,554	81,711	11,087	5.84%	11.95%
	May	102,944	87,913	8,918	5.94%	9.21%
	Jun	99,024	85,046	8,079	5.96%	8.68%
	Jul	89,648	76,485	7,783	6.00%	9.24%
	Aug	97,315	82,768	8,581	6.13%	9.39%
	Sep	93,834	80,754	7,578	5.86%	8.58%
	Oct	92,567	78,581	8,717	5.69%	9.99%
	Nov	93,349	79,426	8,547	5.76%	9.72%
	Dec	90,629	75,186	10,082	5.92%	11.82%
2029	Jan	91,046	75,903	8,700	7.08%	10.28%
	Feb	94,514	81,750	7,106	5.99%	8.00%
	Mar	95,697	83,938	6,663	5.32%	7.35%
	Apr	104,304	88,791	9,785	5.49%	9.93%
	May	109,523	95,533	7,871	5.59%	7.61%
	Jun	105,461	92,416	7,130	5.61%	7.16%
	Jul	95,374	83,113	6,869	5.65%	7.63%

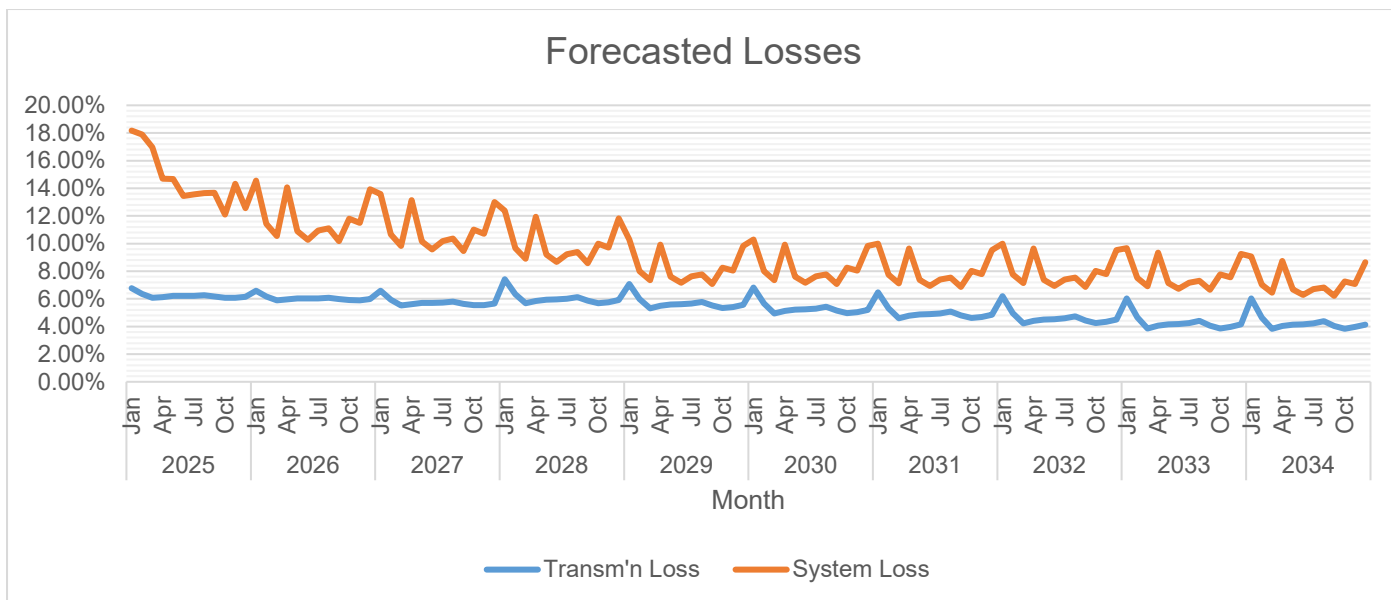
	Aug	103,497	89,940	7,573	5.78%	7.77%
	Sep	99,952	87,752	6,688	5.51%	7.08%
	Oct	98,338	85,392	7,694	5.34%	8.27%
	Nov	99,218	86,307	7,544	5.41%	8.04%
	Dec	95,939	81,700	8,898	5.57%	9.82%
2030	Jan	98,771	82,580	9,467	6.81%	10.28%
	Feb	102,466	88,942	7,733	5.65%	8.00%
	Mar	103,708	91,323	7,250	4.95%	7.36%
	Apr	113,048	96,604	10,648	5.13%	9.93%
	May	118,705	103,941	8,565	5.22%	7.61%
	Jun	114,305	100,551	7,758	5.25%	7.16%
	Jul	103,377	90,427	7,474	5.30%	7.63%
	Aug	112,190	97,854	8,241	5.43%	7.77%
	Sep	108,329	95,475	7,277	5.15%	7.08%
	Oct	106,569	92,908	8,372	4.96%	8.27%
	Nov	107,532	93,900	8,208	5.04%	8.04%
	Dec	103,985	88,890	9,682	5.21%	9.82%
2031	Jan	106,813	89,936	9,972	6.46%	9.98%
	Feb	110,893	96,867	8,145	5.30%	7.76%
	Mar	112,260	99,460	7,637	4.60%	7.13%
	Apr	122,268	105,212	11,216	4.78%	9.63%
	May	128,481	113,205	9,022	4.87%	7.38%
	Jun	123,738	109,512	8,172	4.89%	6.94%
	Jul	111,891	98,486	7,873	4.94%	7.40%
	Aug	121,423	106,573	8,680	5.08%	7.53%
	Sep	117,272	103,983	7,665	4.80%	6.87%
	Oct	115,322	101,188	8,818	4.61%	8.02%
	Nov	116,373	102,266	8,646	4.69%	7.80%
	Dec	112,469	96,811	10,199	4.85%	9.53%
2032	Jan	116,095	98,023	10,870	6.20%	9.98%
	Feb	120,450	105,579	8,879	4.98%	7.76%
	Mar	121,888	108,405	8,325	4.23%	7.13%
	Apr	132,768	114,675	12,226	4.42%	9.63%
	May	139,516	123,390	9,834	4.51%	7.38%
	Jun	134,367	119,365	8,908	4.54%	6.94%
	Jul	121,509	107,345	8,582	4.59%	7.40%
	Aug	131,869	116,158	9,462	4.74%	7.53%
	Sep	127,340	113,337	8,356	4.43%	6.87%
	Oct	125,211	110,292	9,613	4.24%	8.02%
	Nov	126,362	111,463	9,425	4.33%	7.80%
	Dec	122,132	105,518	11,117	4.50%	9.53%
2033	Jan	125,939	106,893	11,454	6.03%	9.68%
	Feb	130,589	115,134	9,356	4.67%	7.52%
	Mar	132,076	118,216	8,772	3.85%	6.91%
	Apr	143,771	125,054	12,882	4.06%	9.34%
	May	151,200	134,561	10,362	4.15%	7.15%
	Jun	145,647	130,172	9,387	4.18%	6.73%
	Jul	131,701	117,062	9,043	4.25%	7.17%
	Aug	142,944	126,672	9,970	4.41%	7.30%
	Sep	138,021	123,597	8,804	4.07%	6.65%
	Oct	135,633	120,277	10,129	3.85%	7.77%

	Nov	136,912	121,551	9,931	3.97%	7.55%
	Dec	132,268	115,070	11,714	4.15%	9.24%
2034	Jan	136,459	116,599	11,627	6.03%	9.07%
	Feb	141,678	125,590	9,496	4.65%	7.03%
	Mar	143,358	128,952	8,904	3.84%	6.46%
	Apr	155,782	136,412	13,076	4.04%	8.75%
	May	164,092	146,785	10,518	4.14%	6.69%
	Jun	158,103	141,996	9,528	4.16%	6.29%
	Jul	142,926	127,695	9,179	4.23%	6.71%
	Aug	155,115	138,176	10,121	4.40%	6.82%
	Sep	149,830	134,824	8,937	4.05%	6.22%
	Oct	147,127	131,203	10,281	3.84%	7.27%
	Nov	148,556	132,589	10,081	3.96%	7.07%
	Dec	143,339	125,521	11,891	4.14%	8.65%

MWh Output was forecasted using the Cubic model: $Y = at^3 + ct + d$, which passed the validity and accuracy tests set in the ECDUPM. The model results in an average growth rate of 8.71%, and we project that the target system loss of 8.22% will be achieved by 2029 onwards. This target is equal to or below the system loss cap set by the ERC for all electric cooperatives and is expected to continue decreasing in the following years. The assumed load factor is 70%.



Based on the seven years of historical data, the MWh offtake is projected to grow at an average rate of 7.49%.



System loss is expected to decrease from an average of 14.63% to 7.23% between 2025 and 2034 as ZAMCELCO implements its plans and programs through capital expenditures and other initiatives. These include the anti-pilferage campaign and apprehension, line clearing operations, replacement of defective electric meters, digitalization, and advancements in facilities and equipment to reduce both technical and non-technical losses. The goal is to reduce system losses by at least 2% annually to meet the required level mandated by the ERC System Loss Caps, as prescribed in RA 7832.

Power Supply

Contracted

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	Maximum MW	Maximum MWh/yr	PSA Start	PSA End
CSEE Renewal with PSALM (2024-2025)	Base	Power Sector Assets and Liabilities Management Corporation	25.85	280,292	47.59	367,105	12/26/2023	12/25/2025

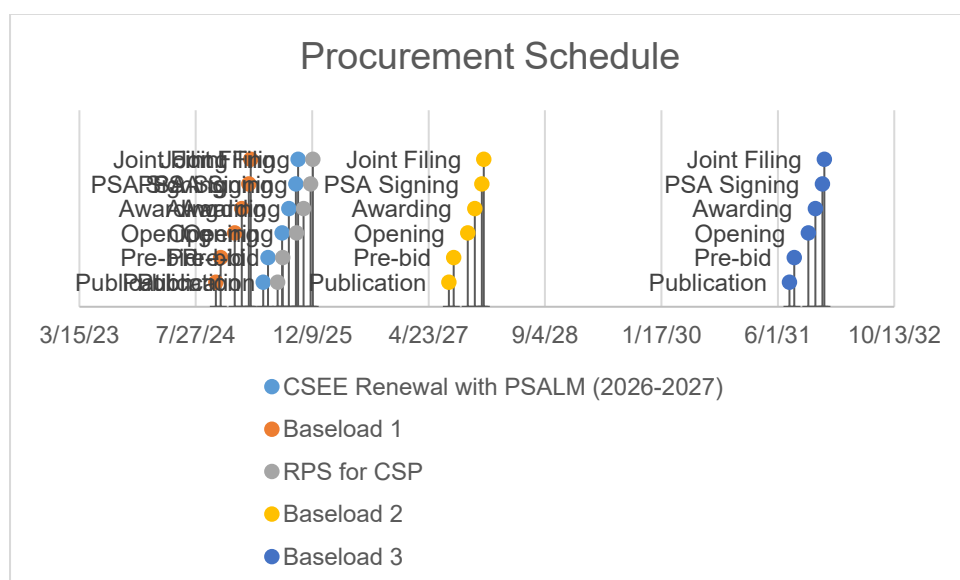
ZAMCELCO and PSALM's Contract for the Supply of Electric Energy (CSEE) for the year 2024-2025 is scheduled for compliance determination with jurisdictional requirements, an expository presentation, a pre-trial conference, and the presentation of evidence on April 10, 2025, via an online platform. As for the Time-of-Use (TOU) rate schedule outlined in the CSEE, the average TOU rate from Monday to Saturday is set at 2.94169 Ph/kWh, while on Sundays and holidays, it is 2.88703 Ph/kWh.

Pending

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	Maximum MW	Maximum MWh/yr	PSA Start	PSA End
EPSA 2 with MPI	Base	San Miguel Consolidated Power Corporation	85.00	744,600	85	744,600	10/26/2024	10/25/2025

After the expiration of the first round of the Emergency Power Supply Agreement (EPSA) between ZAMCELCO and Malita Power Inc. (MPI), the EC entered into another round of EPSA, covering the period from October 26, 2024, to October 25, 2025. EPSA II supplies ZAMCELCO's 85 MW power requirement. The said EPSA is currently being prepared for filing before the Energy Regulatory Commission (ERC).

	CSEE Renewal with PSALM (2026-2027)	Baseload 1	RPS for CSP	Baseload 2	Baseload 3
Type	Base	Base	Intermediate	Base	Base
Minimum MW	25.09	60.00	40.00	20.00	20.00
Maximum MW	33.31	85.00	40.00	50.00	60.00
Minimum MWh/yr	256,973	490,572	175,825	201,759	192,610
Maximum MWh/yr	256,973	746,640	175,825	439,200	527,040
PSA Start	12/26/2025	10/26/2025	2/26/2026	2/26/2028	2/26/2032
PSA End	12/25/2027	10/25/2035	2/25/2046	2/25/2038	2/25/2042
Publication	5/12/2025	10/21/2024	7/14/2025	7/19/2027	7/21/2031
Pre-bid	6/2/2025	11/15/2024	8/4/2025	8/9/2027	8/11/2031
Opening	8/1/2025	12/20/2024	10/3/2025	10/8/2027	10/10/2031
Awarding	8/31/2025	4/12/2025	11/2/2025	11/7/2027	11/9/2031
PSA Signing	9/30/2025	5/3/2025	12/2/2025	12/7/2027	12/9/2031
Joint Filing	10/9/2025	6/3/2025	12/11/2025	12/16/2027	12/18/2031



For the renewal and extension of CSEE with PSALM, which is planned to be available on December 26, 2025 after the termination of its existing CSEE with PSALM, the first publication or launch of CSP will be on May 12, 2025. Joint filing is planned on October 9, 2025.

For the procurement of 85 MW of Firm, Baseload supply, which is planned to be available on October 26, 2025 after the termination of EPSA 2, the first publication or launch of CSP was on October 21, 2024. Joint filing is planned on June 3, 2025, or within 180 days later.

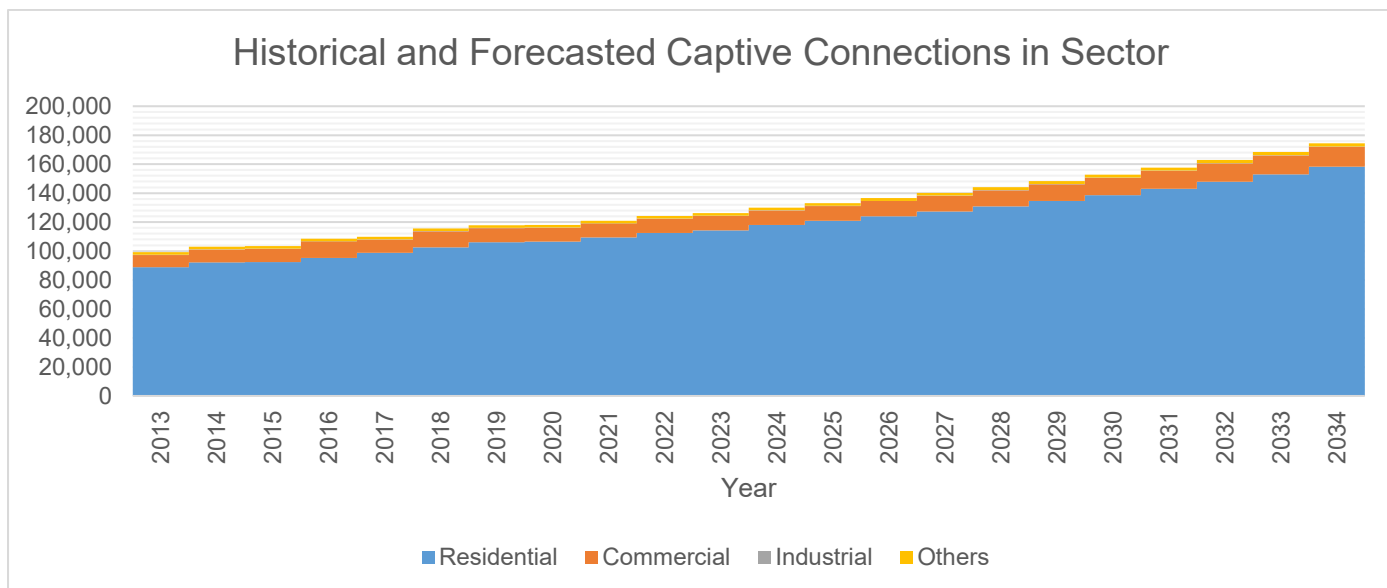
For the procurement of 40 MW of Renewable Source supply, which is planned to be available on February 26, 2026, the first publication or launch of CSP will be on July 14, 2025. Joint filing is planned on December 11, 2025, or within 180 days later.

For the procurement of 50 MW of Firm, Baseload supply, which is planned to be available on February 26, 2028, the first publication or launch of CSP will be on July 19, 2027. Joint filing is planned on December 16, 2027, or within 180 days later.

For the procurement of 60 MW of Firm, Baseload supply, which is planned to be available on February 26, 2032, the first publication or launch of CSP will be on July 21, 2031. Joint filing is planned on December 18, 2031, or within 180 days later.

The aforementioned power supply procurements shall be undertaken in compliance with DOE Department Circular (DC) No. DC 2023-06-0021. The procurement of power supply shall be in accordance with the implementing guidelines for the conduct of CSP and evaluation of PSAs in ERC Resolution No. 16, Series of 2023, and NEA Memorandum No. 2023-05.

Captive Customer Connections



The number of residential connections is expected to grow at an average rate of 2.99%, with this customer class accounting for 44.53% of total consumption. Similarly, the number of commercial connections is projected to grow at an average rate of 2.99%, representing 33.39% of total consumption. Industrial connections are expected to increase at an average rate of 2.97%, contributing 13.87% to total consumption. Meanwhile, the number of connections under the "Other" category (public buildings and streetlights) is projected to grow at a rate of 3% annually, accounting for 8.20% of total consumption.

Zamboanga City, classified as a highly urbanized city and the industrial and commercial center of the Zamboanga Peninsula region, has a strategic geographical location ideal for trade with the Basilan-Sulu-Tawi-Tawi region and neighboring provinces such as Zamboanga Sibugay, Zamboanga del Norte, and Zamboanga del Sur. Given its growing economic significance, Zamboanga City is expected to become a metropolitan hub in the country, leading to a rapid increase in new connections.