



**LEYTE IV ELECTRIC COOPERATIVE, INC.**

**POWER SUPPLY  
PROCUREMENT  
PLAN (2025-2034)**

(053) 567-8008  
Brgy. Lamak, Hilongos, Leyte  
[www.leyecoiv.com](http://www.leyecoiv.com)



**CERTIFIED  
QUALITY  
MANAGEMENT  
SYSTEM**




Prepared by:

  
**ENGR. JANET L. NOTARTE**  
Manager, Corporate Planning Department

Approved by:

  
**BRENDA FLORES-AMPOLITOD**  
Acting General Manager

  
**ATTY. JOSEPH CARNEL M. BANDALAN**  
BOD President

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## Historical Consumption Data

Table 1: Historical Consumption Data

Year	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	0.00	24,631	Visayas WESM is not in Commercial Operation yet	24,631	21,175	3,456		0.00%	0.00%	14.03%
2001	0.00	25,384		25,384	21,616	3,768		0.00%	0.00%	14.84%
2002	0.00	28,193		28,193	23,669	4,524		0.00%	0.00%	16.05%
2003	0.00	31,005		31,005	26,984	4,021		0.00%	0.00%	12.97%
2004	0.00	34,471		34,471	29,843	4,628		0.00%	0.00%	13.42%
2005	0.00	36,334		36,334	32,218	4,116		0.00%	0.00%	11.33%
2006	8.36	37,335		37,335	32,203	5,131	51%	0.00%	0.00%	13.74%
2007	7.94	40,076		40,076	34,306	5,769	58%	0.00%	0.00%	14.40%
2008	8.90	41,006		41,006	35,652	5,354	53%	0.00%	0.00%	13.06%
2009	9.12	44,398		44,398	38,786	5,612	56%	0.00%	0.00%	12.64%
2010	9.49	48,027		48,027	42,717	5,310	58%	0.00%	0.00%	11.06%
2011	9.31	50,942	778	50,566	44,629	5,937	62%	0.00%	0.74%	11.74%
2012	10.44	55,407	-5,453	54,893	49,008	5,886	60%	0.00%	0.93%	10.72%
2013	10.53	53,251	-12,484	52,747	47,800	4,946	57%	0.00%	0.95%	9.38%
2014	10.68	56,779	9,191	56,282	49,938	6,344	60%	0.00%	0.87%	11.27%
2015	11.30	62,914	80	62,276	55,520	6,756	63%	0.00%	1.01%	10.85%
2016	12.23	69,373	-6,206	68,637	61,229	7,408	64%	0.00%	1.06%	10.79%
2017	12.51	69,103	-279	68,358	61,009	7,350	62%	0.00%	1.08%	10.75%
2018	13.11	77,488	-1,211	76,380	68,867	7,512	67%	0.00%	1.43%	9.84%
2019	15.41	88,405	10,667	86,896	78,607	8,289	64%	0.00%	1.71%	9.54%
2020	15.73	93,876	5,410	92,309	83,112	9,198	67%	0.00%	1.67%	9.96%
2021	16.13	95,230	-1,205	93,646	84,277	9,333	66%	-0.04%	1.66%	9.97%
2022	16.26	91,532	-8,189	89,844	81,195	8,649	63%	0.00%	1.84%	9.63%
2023	18.36	107,039	5,126	105,219	94,876	10,343	65%	0.00%	1.70%	9.83%
2024	20.55	120,398	34,180	118,280	107,704	10,576	66%	0.00%	1.76%	8.94%

LEYECO IV Peak Demand increased from 8.36 MW in 2006 to 20.55 MW in 2024 at an average rate of 5.28%. The highest growth rate at 17.57% was recorded in 2019 due to entry of the Large Commercial and Industrial Loads in the area. The MWh Offtake increased from 24,631 MWh in 2000 to 146,766 MWh in 2024 at an average rate of 6.97%. Corresponding to the increase in demand in 2019, the MWh Offtake also increased by 14.09% due to the high energy utilization of the Large Commercial and Industrial loads. However, when pandemic hits the world, many commercial and industrial establishments slowed down their operations in 2020. Hence, decreasing the corresponding demand. The decreased in demand for the year 2022 is brought by the massive devastation to the LEYECO IV distribution system from December 2021 until the 100% restoration in May 2022. In 2023, an increase of 16.94% was attributed to the recovery and entries of commercial and industrial customers. For the year 2024, it recorded the highest increase at 37.11% brought by El Niño phenomenon wherein the demand for electricity consumption grow rapidly due to the hot weather condition. Within the same period, Load Factor ranged from 51% to 67%. There was an abrupt change in consumption in 2013, 2017 and 2022 due to the Forced Majeure event brought by the Super Typhoon Yolanda in November 2013, earthquake in July 2017 and Super Typhoon Odette in December 2021 and an El Niño Phenomenon in 2024.

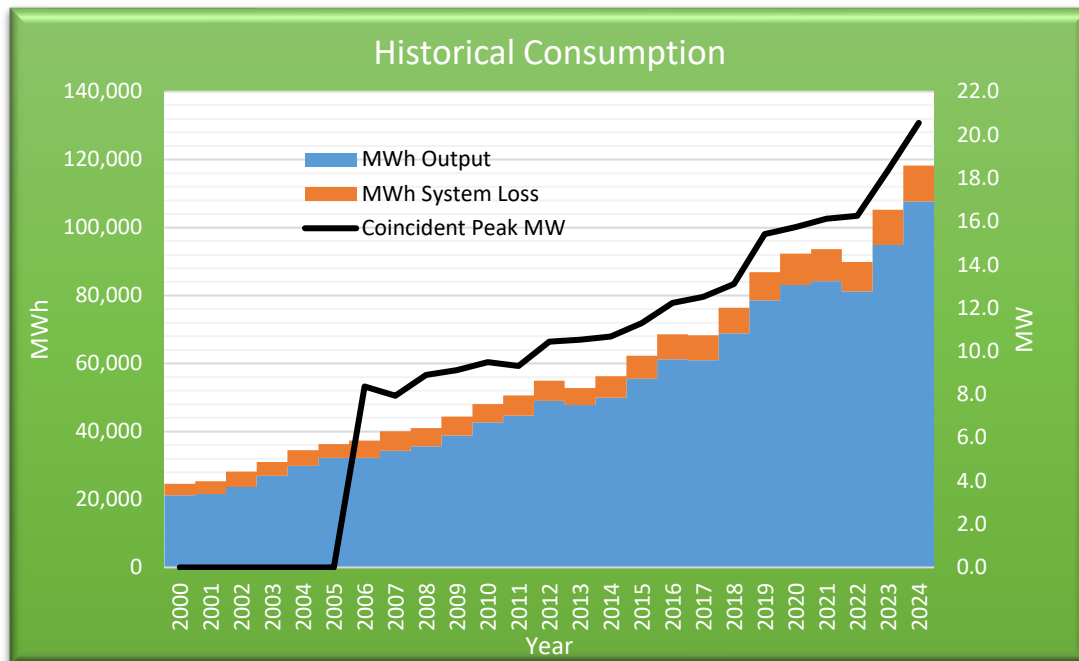


Figure 1: Historical Consumption

MWh Output showed a significant decrease in 2022 due to the on-going restoration and recovery of the distribution system that was damaged by the Super Typhoon Odette in December 2021 which was completed in the 2<sup>nd</sup> quarter of 2022. The seven (7) years historical data has at an average rate of 8.00%, while MWh System Loss increased at an average rate of 6.21% within the same period. The average increase in the MWh System Loss compared to the MWH Offtake and MWh Sold is way lower which means that the system is becoming more efficient up to the present.

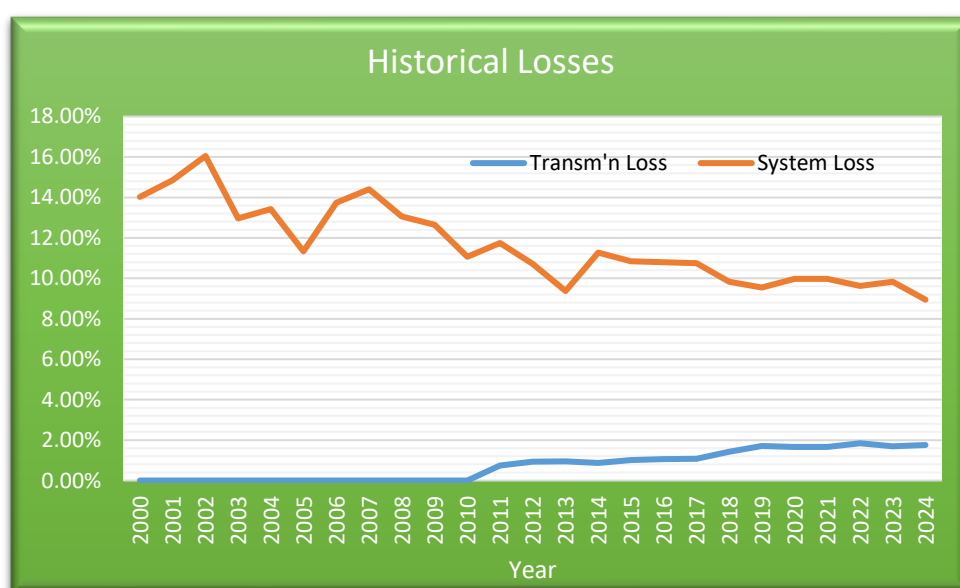


Figure 2: Historical Losses

Historically, Transmission Loss ranged from 0% to 1.84%. This Transmission Loss is attributed to the Site Specific Loss Adjustment (SSLA) starting from the commencement of the WESM Commercial Operation in the Visayas. Correspondingly, the System Loss ranged from 8.94% to 16.05%. Transmission Loss peaked at 1.84% on year 2022. System Loss peaked at 16.05% on year 2002.

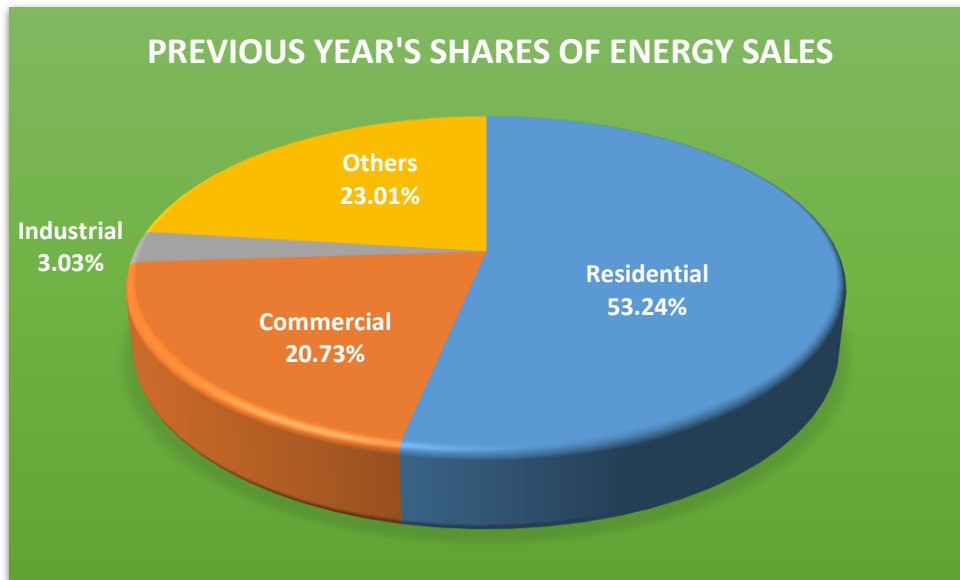


Figure 3: Previous Year's Shares of Energy Sales

Residential customers account for the bulk of energy sales at 53.24% due to the high number of connections. In contrast, Industrial customers accounted for only 3.03% of energy sales due to the low number of connections.

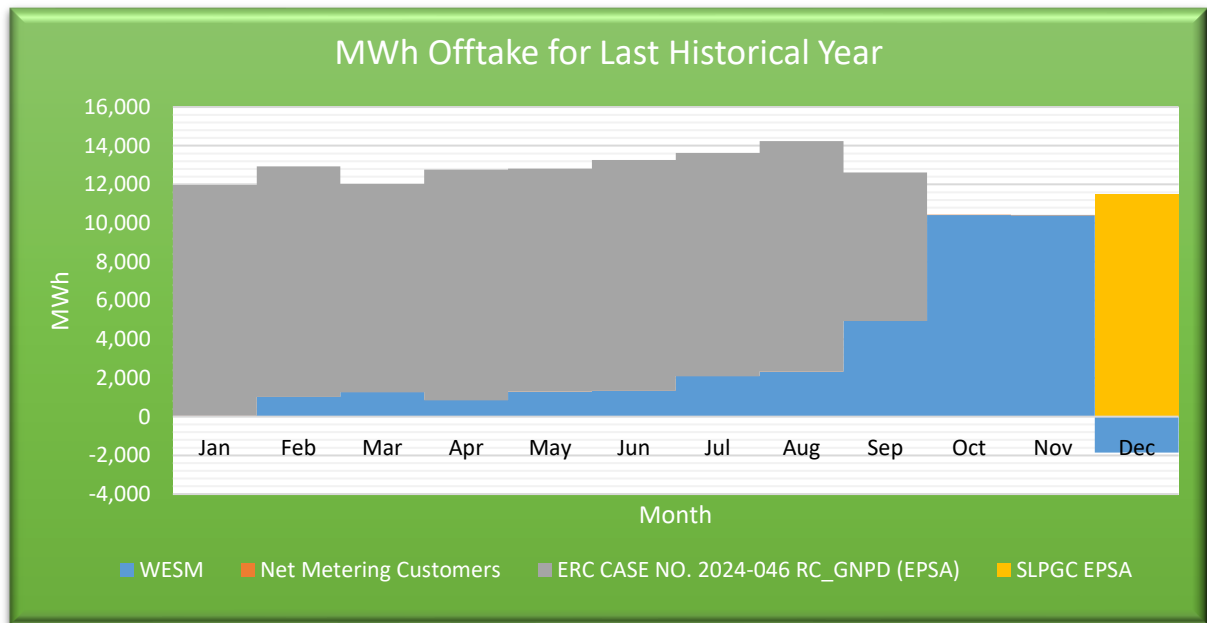


Figure 4: MWh Offtake for 2024

For 2024, the total Offtake for the last historical year is within the quantity stipulated in the EPSA. The EPSA with GNPD being the sole power supplier accounts for the bulk of MWh Offtake.

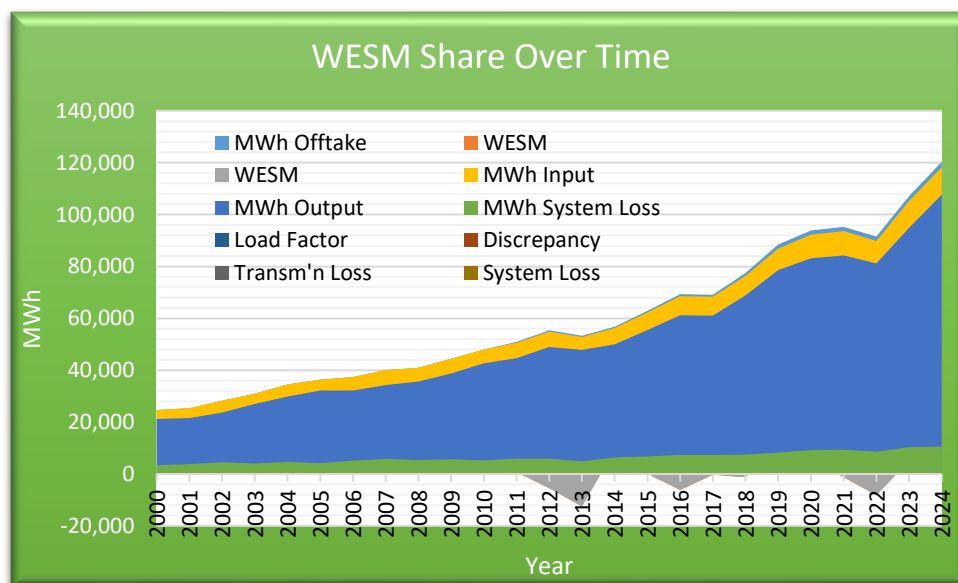


Figure 5: WESM Share Over Time

WESM Offtake is the net of WESM purchased and sales. Since 2011, LEYECO IV has a net sale from 279 MWh in 2017 to 12,484 MWh in 2013. The net purchased also ranged from 80 MWh in 2015 to 34,180 in 2024. The share of WESM in the total Offtake ranged from -23.4% to 28.4%.



## Previous Year's Load Profile

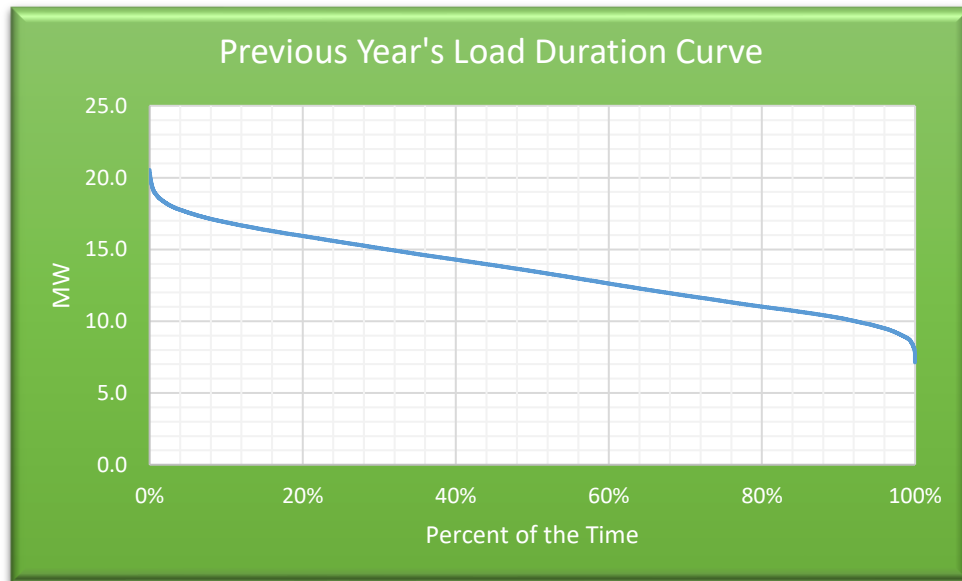


Figure 6: 2024 Load Duration Curve

Based on the Load Duration Curve, the minimum load is 5.98 MW and the maximum load is 20.55 MW in 2024.

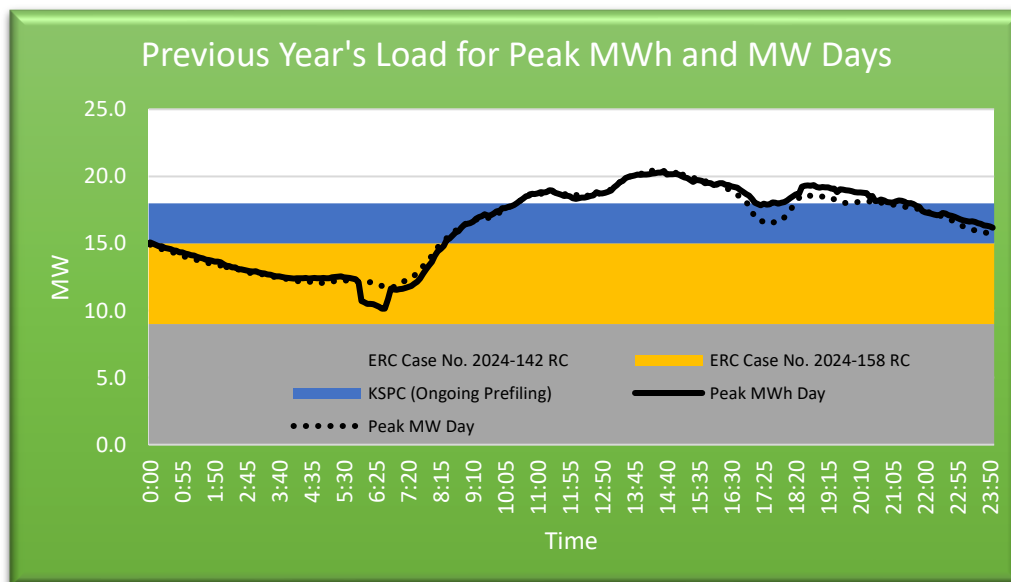


Figure 7: 2024 Load Peak MWh and MW Days

The Peak MW occurred on June 3, 2024 and Peak MWh day occurred on May 23, 2024. As shown in the Load Curves, the available supply is enough for the Peak Demand.

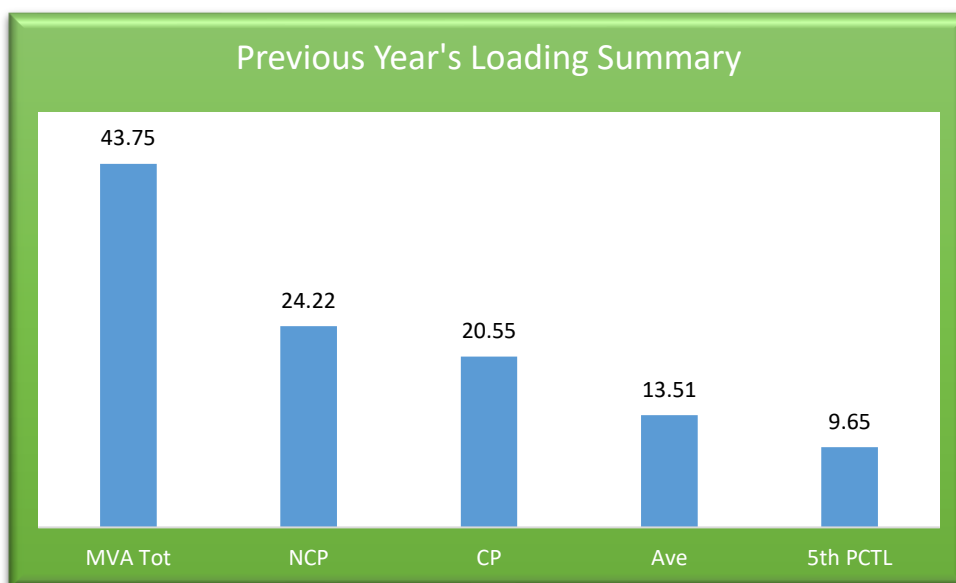


Figure 8: 2024 Loading Summary

The Non-coincident Peak Demand is 24.22 MW, which is around 55.36% of the total substation capacity of 43.75 MVA at a power factor of 97.49%. The load factor or the ratio between the Average Load of 13.51 MW and the Non-coincident Peak Demand is 65.72%. A safe estimate of the true minimum load is the fifth percentile load of 9.65 MW which is 39.85% of the Non-coincident Peak Demand.

Table 2: Substation Loading Condition

Metering Point	Substation MVA	Substation Peak MW
Baybay Substation	12.5	7.681
Hilongos Substation	12.5	9.537
San Agustin Substation	6.25	3.007
Bato Substation	12.5	3.995

The substation loaded at above 70% is the Hilongos Substation. This loading problem was already solved by the energization of the 10 MVA Bato Substation in the municipality of Bato to last February 2024.



## LEYECO IV POWER SUPPLY PROCUREMENT PLAN (2025~2034)

### Forecasted Consumption Data

Table 3: Forecasted Consumption Data

Year	Month	Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2025	Jan	18.44	9.00	9.00	0.000		49%	98%	-0.44
	Feb	16.47	9.00	9.00	0.000		55%	109%	1.53
	Mar	18.05	9.00	9.00	0.000		50%	100%	-0.05
	Apr	20.11	9.00	9.00	0.000		45%	90%	-2.11
	May	21.65	9.00	9.00	0.000		42%	83%	-3.65
	Jun	21.67	9.00	9.00	0.000		42%	83%	-3.67
	Jul	19.94	9.00	9.00	0.000		45%	90%	-1.94
	Aug	20.44	9.00	9.00	0.000		44%	88%	-2.44
	Sep	20.92	9.00	9.00	0.000		43%	86%	-2.92
	Oct	20.54	9.00	9.00	0.000		44%	88%	-2.54
	Nov	20.20	9.00	9.00	0.000		45%	89%	-2.20
	Dec	19.18	9.00	9.00	0.000		47%	94%	-1.18
2026	Jan	19.75	9.00	9.00	0.000		46%	91%	-1.75
	Feb	17.64	9.00	9.00	0.000		51%	102%	0.36
	Mar	19.33	9.00	9.00	0.000		47%	93%	-1.33
	Apr	21.54	9.00	9.00	0.000		42%	84%	-3.54
	May	23.19	9.00	9.00	0.000		39%	78%	-5.19
	Jun	23.22	9.00	9.00	0.000		39%	78%	-5.22
	Jul	21.36	9.00	9.00	0.000		42%	84%	-3.36
	Aug	21.89	9.00	9.00	0.000		41%	82%	-3.89
	Sep	22.41	9.00	9.00	0.000		40%	80%	-4.41
	Oct	22.00	9.00	9.00	0.000		41%	82%	-4.00
	Nov	21.64	9.00	9.00	0.000		42%	83%	-3.64
	Dec	20.54	9.00	9.00	0.000		44%	88%	-2.54
2027	Jan	21.08	9.00	9.00	0.000		43%	85%	-3.08
	Feb	18.83	9.00	9.00	0.000		48%	96%	-0.83
	Mar	20.64	9.00	9.00	0.000		44%	87%	-2.64
	Apr	22.99	9.00	9.00	0.000		39%	78%	-4.99
	May	24.75	9.00	9.00	0.000		36%	73%	-6.75
	Jun	24.78	9.00	9.00	0.000		36%	73%	-6.78
	Jul	22.79	9.00	9.00	0.000		39%	79%	-4.79
	Aug	23.37	9.00	9.00	0.000		39%	77%	-5.37
	Sep	23.92	9.00	9.00	0.000		38%	75%	-5.92
	Oct	23.48	9.00	9.00	0.000		38%	77%	-5.48
	Nov	23.10	9.00	9.00	0.000		39%	78%	-5.10
	Dec	21.93	9.00	9.00	0.000		41%	82%	-3.93
2028	Jan	22.42	9.00	9.00	0.000		40%	80%	-4.42

## LEYECO IV POWER SUPPLY PROCUREMENT PLAN (2025~2034)

	Feb	20.03	9.00	9.00	0.000		45%	90%	-2.03
	Mar	21.95	9.00	9.00	0.000		41%	82%	-3.95
	Apr	24.45	9.00	9.00	0.000		37%	74%	-6.45
	May	26.32	9.00	9.00	0.000		34%	68%	-8.32
	Jun	26.35	9.00	9.00	0.000		34%	68%	-8.35
	Jul	24.24	9.00	9.00	0.000		37%	74%	-6.24
	Aug	24.85	9.00	9.00	0.000		36%	72%	-6.85
	Sep	25.44	9.00	9.00	0.000		35%	71%	-7.44
	Oct	24.97	9.00	9.00	0.000		36%	72%	-6.97
	Nov	24.56	9.00	9.00	0.000		37%	73%	-6.56
	Dec	23.32	9.00	9.00	0.000		39%	77%	-5.32
2029	Jan	23.76	9.00	9.00	0.000		38%	76%	-5.76
	Feb	21.22	9.00	9.00	0.000		42%	85%	-3.22
	Mar	23.26	9.00	9.00	0.000		39%	77%	-5.26
	Apr	25.91	9.00	9.00	0.000		35%	69%	-7.91
	May	27.90	9.00	9.00	0.000		32%	65%	-9.90
	Jun	27.93	9.00	9.00	0.000		32%	64%	-9.93
	Jul	25.69	9.00	9.00	0.000		35%	70%	-7.69
	Aug	26.34	9.00	9.00	0.000		34%	68%	-8.34
	Sep	26.95	9.00	9.00	0.000		33%	67%	-8.95
	Oct	26.46	9.00	9.00	0.000		34%	68%	-8.46
	Nov	26.03	9.00	9.00	0.000		35%	69%	-8.03
	Dec	24.71	9.00	9.00	0.000		36%	73%	-6.71
2030	Jan	25.09	9.00	9.00	0.000		36%	72%	-7.09
	Feb	22.42	9.00	9.00	0.000		40%	80%	-4.42
	Mar	24.56	9.00	9.00	0.000		37%	73%	-6.56
	Apr	27.36	9.00	9.00	0.000		33%	66%	-9.36
	May	29.46	9.00	9.00	0.000		31%	61%	-11.46
	Jun	29.50	9.00	9.00	0.000		31%	61%	-11.50
	Jul	27.13	9.00	9.00	0.000		33%	66%	-9.13
	Aug	27.82	9.00	9.00	0.000		32%	65%	-9.82
	Sep	28.47	9.00	9.00	0.000		32%	63%	-10.47
	Oct	27.95	9.00	9.00	0.000		32%	64%	-9.95
	Nov	27.49	9.00	9.00	0.000		33%	65%	-9.49
	Dec	26.10	9.00	9.00	0.000		34%	69%	-8.10
2031	Jan	26.42	9.00	9.00	0.000		34%	68%	-8.42
	Feb	23.60	9.00	9.00	0.000		38%	76%	-5.60
	Mar	25.86	9.00	9.00	0.000		35%	70%	-7.86
	Apr	28.81	9.00	9.00	0.000		31%	62%	-10.81
	May	31.02	9.00	9.00	0.000		29%	58%	-13.02
	Jun	31.06	9.00	9.00	0.000		29%	58%	-13.06
	Jul	28.57	9.00	9.00	0.000		32%	63%	-10.57
	Aug	29.29	9.00	9.00	0.000		31%	61%	-11.29
	Sep	29.97	9.00	9.00	0.000		30%	60%	-11.97

	Oct	29.43	9.00	9.00	0.000		31%	61%	-11.43
	Nov	28.95	9.00	9.00	0.000		31%	62%	-10.95
	Dec	27.48	9.00	9.00	0.000		33%	66%	-9.48
2032	Jan	27.74	9.00	9.00	0.000		32%	65%	-9.74
	Feb	24.78	9.00	9.00	0.000		36%	73%	-6.78
	Mar	27.15	9.00	9.00	0.000		33%	66%	-9.15
	Apr	30.25	9.00	9.00	0.000		30%	60%	-12.25
	May	32.57	9.00	9.00	0.000		28%	55%	-14.57
	Jun	32.60	9.00	9.00	0.000		28%	55%	-14.60
	Jul	29.99	9.00	9.00	0.000		30%	60%	-11.99
	Aug	30.75	9.00	9.00	0.000		29%	59%	-12.75
	Sep	31.47	9.00	9.00	0.000		29%	57%	-13.47
	Oct	30.90	9.00	9.00	0.000		29%	58%	-12.90
	Nov	30.39	9.00	9.00	0.000		30%	59%	-12.39
	Dec	28.85	9.00	9.00	0.000		31%	62%	-10.85
2033	Jan	29.04	9.00	9.00	0.000		31%	62%	-11.04
	Feb	25.95	9.00	9.00	0.000		35%	69%	-7.95
	Mar	28.43	9.00	9.00	0.000		32%	63%	-10.43
	Apr	31.67	9.00	9.00	0.000		28%	57%	-13.67
	May	34.10	9.00	9.00	0.000		26%	53%	-16.10
	Jun	34.14	9.00	9.00	0.000		26%	53%	-16.14
	Jul	31.40	9.00	9.00	0.000		29%	57%	-13.40
	Aug	32.20	9.00	9.00	0.000		28%	56%	-14.20
	Sep	32.95	9.00	9.00	0.000		27%	55%	-14.95
	Oct	32.35	9.00	9.00	0.000		28%	56%	-14.35
	Nov	31.82	9.00	9.00	0.000		28%	57%	-13.82
	Dec	30.21	9.00	9.00	0.000		30%	60%	-12.21
2034	Jan	30.34	0.00	0.00	0.000		0%	0%	-30.34
	Feb	27.10	0.00	0.00	0.000		0%	0%	-27.10
	Mar	29.70	0.00	0.00	0.000		0%	0%	-29.70
	Apr	33.08	0.00	0.00	0.000		0%	0%	-33.08
	May	35.62	0.00	0.00	0.000		0%	0%	-35.62
	Jun	35.66	0.00	0.00	0.000		0%	0%	-35.66
	Jul	32.80	0.00	0.00	0.000		0%	0%	-32.80
	Aug	33.63	0.00	0.00	0.000		0%	0%	-33.63
	Sep	34.42	0.00	0.00	0.000		0%	0%	-34.42
	Oct	33.79	0.00	0.00	0.000		0%	0%	-33.79
	Nov	33.24	0.00	0.00	0.000		0%	0%	-33.24
	Dec	31.55	0.00	0.00	0.000		0%	0%	-31.55

The Peak Demand was forecasted using Regression Analysis and was assumed to occur on the month of May due to hot weather condition. Monthly Peak Demand is at its lowest on the month of February due to cold weather condition. In general, Peak Demand is expected to grow at a rate of 5.28% annually.

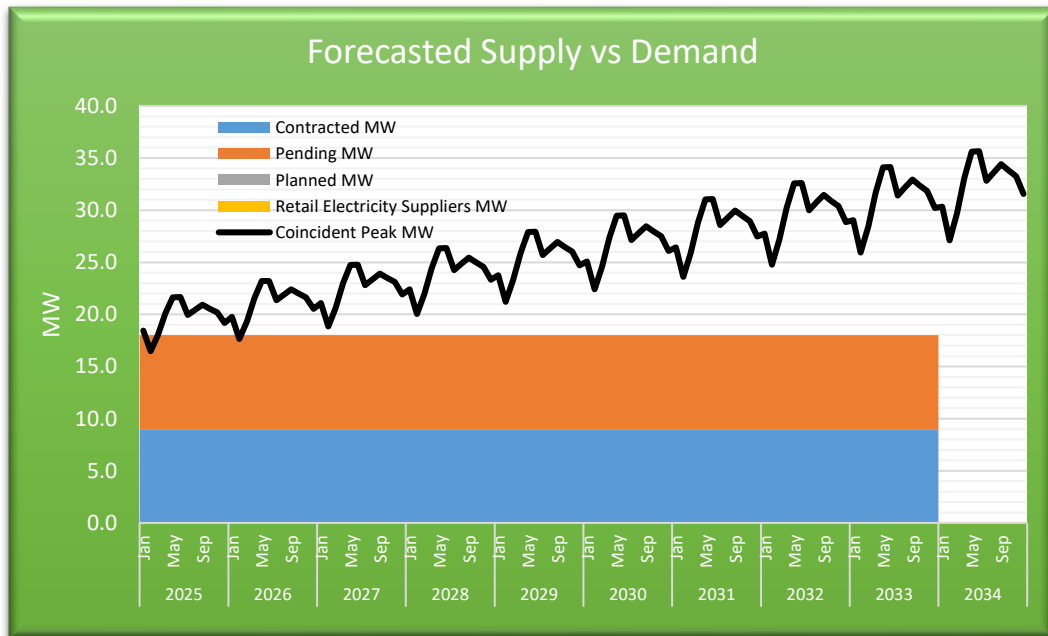


Figure 9: Forecasted Supply vs Demand

The 16MW EPSA of LEYECO IV with GNPD ended last September 14, 2024. LEYECO IV being one of the member-electric cooperatives of the R8 JCPSP has a total contracted capacity of 18 MW with PSAs awarded to Therma Luzon Inc. (TLI) with 9MW, Sual Power Inc. (SPI) with 6MW and KEPCO SPC Power Corporation (KSPC) with 3MW. All these PSAs have a 65%~100% Capacity Utilization Factor (CUF) with 50% Minimum Energy Off-take (MEOT).

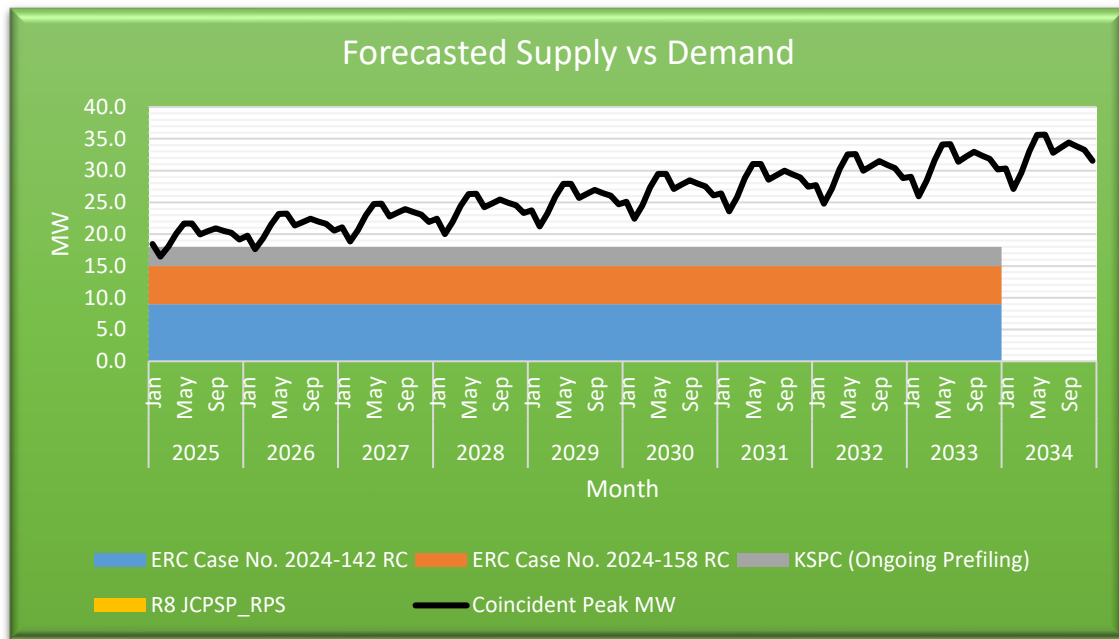


Figure 10: Forecasted Supply vs Demand (per Supplier)

The total contracted capacity of 18 MW are from the following suppliers, Therma Luzon Inc. (TLI) with 9MW, Sual Power Inc. (SPI) with 6MW and KEPCO SPC Power Corporation (KSPC) with 3MW. All these PSAs have a 65%~100% Capacity Utilization Factor (CUF) with 50% Minimum Energy Off-take (MEOT).

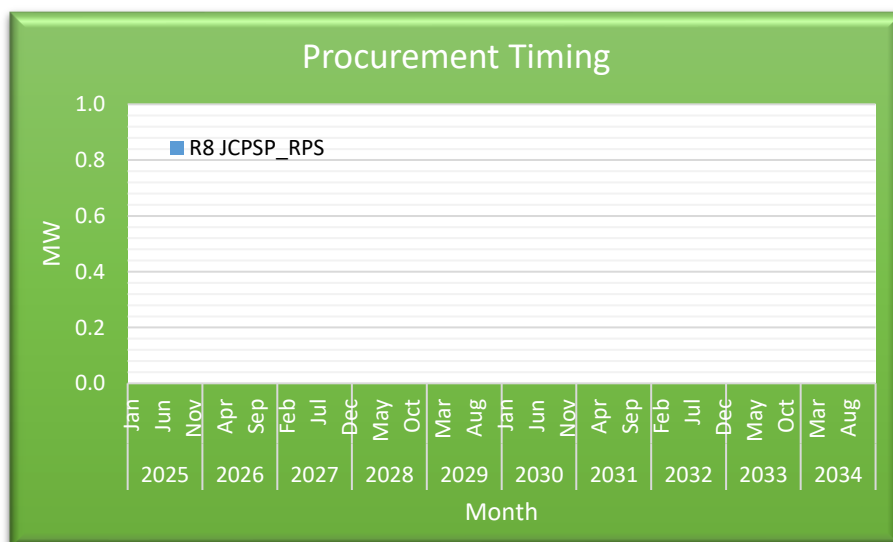


Figure 11: Procurement Timing

The supply procurement will be for the RPS Compliance and is energy based only and is expected to start on December 26, 2025.

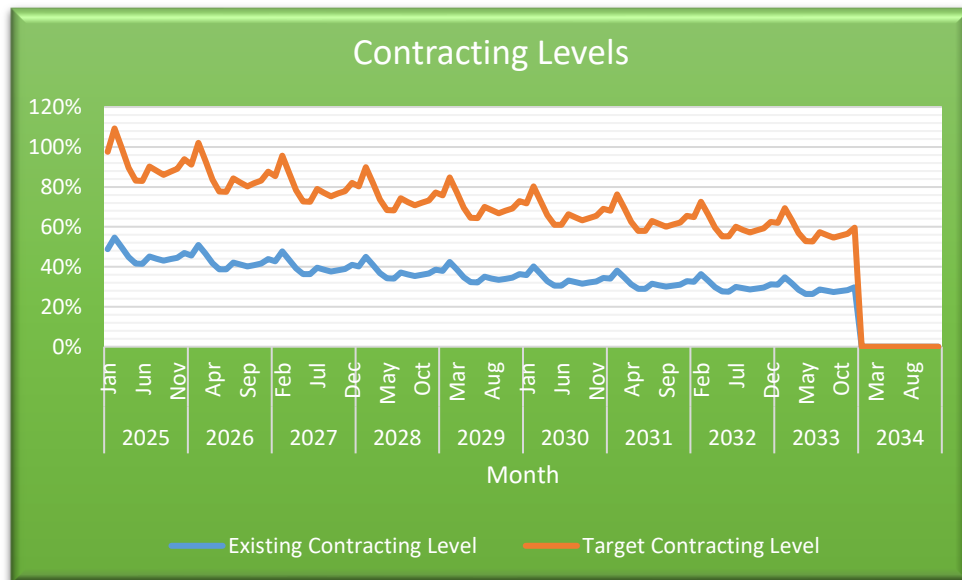


Figure 12: Contracting Levels

Currently, LEYECO IV has PSAs from TLI, SPI and KSPC of up to 18MW at 65%~100% Capacity Utilization Factor for its equivalent energy. This means that LEYECO IV is optimizing the contract level for the intermediate and peaking requirements while exposing to the WESM its baseload requirement during off-peak hours at a lower market price. For forecasted capacity requirement, LEYECO IV is planning to have an RPS Compliant Energy Demand which is also to be subjected to CSP and is expected to start delivery by December 26, 2025.

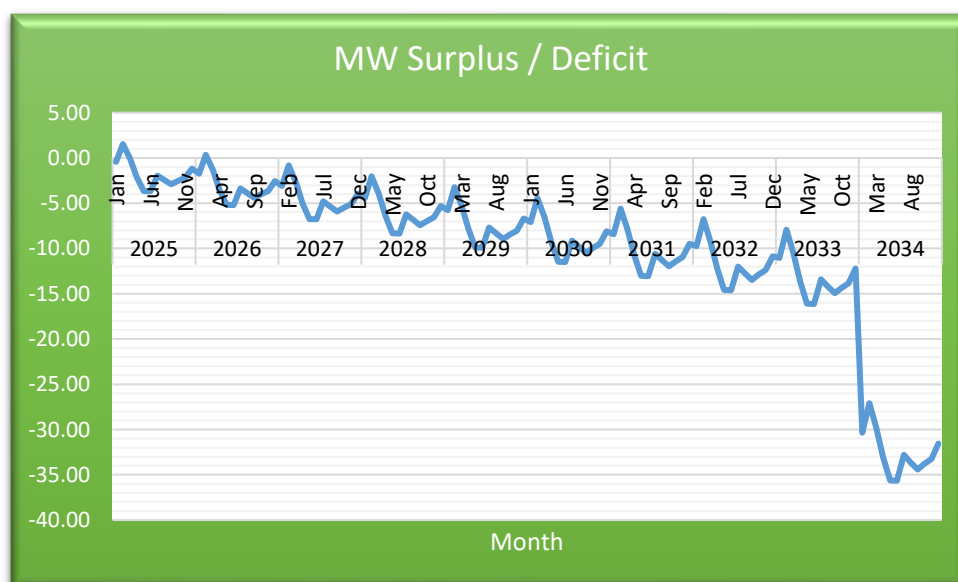


Figure 13: MW Surplus / Deficit



Currently, the 18MW PSAs are for the Baseload requirement only. The surplus and deficit can be attributed to the seasons of the year that affect significantly to the monthly demand characteristics. The highest surplus is 1.53 MW which will occur in February 2025. The lowest surplus or the highest deficit is 35.66 MW which is expected to occur on the month of June 2034.

Table 4: MWh Offtake and Losses

Year	Month	MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2025	Jan	9,631	8,885	747	0.00%	7.75%
	Feb	8,885	8,197	689	0.00%	7.75%
	Mar	9,035	8,335	700	0.00%	7.75%
	Apr	10,559	9,741	819	0.00%	7.75%
	May	11,221	10,352	870	0.00%	7.75%
	Jun	11,312	10,435	877	0.00%	7.75%
	Jul	9,918	9,149	769	0.00%	7.75%
	Aug	11,128	10,265	863	0.00%	7.75%
	Sep	11,062	10,204	858	0.00%	7.75%
	Oct	10,747	9,914	833	0.00%	7.75%
	Nov	10,743	9,910	833	0.00%	7.75%
	Dec	9,988	9,214	774	0.00%	7.75%
2026	Jan	10,328	9,619	709	0.00%	6.86%
	Feb	9,529	8,875	654	0.00%	6.86%
	Mar	9,689	9,024	665	0.00%	6.86%
	Apr	11,323	10,546	777	0.00%	6.86%
	May	12,034	11,208	826	0.00%	6.86%
	Jun	12,131	11,299	833	0.00%	6.86%
	Jul	10,636	9,906	730	0.00%	6.86%
	Aug	11,933	11,114	819	0.00%	6.86%
	Sep	11,862	11,048	814	0.00%	6.86%
	Oct	11,525	10,734	791	0.00%	6.86%
	Nov	11,521	10,730	791	0.00%	6.86%
	Dec	10,711	9,976	735	0.00%	6.86%
2027	Jan	11,044	10,378	666	0.00%	6.03%
	Feb	10,189	9,574	614	0.00%	6.03%
	Mar	10,361	9,736	625	0.00%	6.03%
	Apr	12,108	11,378	730	0.00%	6.03%
	May	12,868	12,092	776	0.00%	6.03%
	Jun	12,972	12,190	782	0.00%	6.03%
	Jul	11,373	10,687	686	0.00%	6.03%
	Aug	12,760	11,991	769	0.00%	6.03%

	Sep	12,684	11,920	765	0.00%	6.03%
	Oct	12,324	11,580	743	0.00%	6.03%
	Nov	12,319	11,576	743	0.00%	6.03%
	Dec	11,454	10,763	691	0.00%	6.03%
2028	Jan	11,771	11,152	619	0.00%	5.26%
	Feb	10,860	10,288	571	0.00%	5.26%
	Mar	11,043	10,462	581	0.00%	5.26%
	Apr	12,905	12,226	679	0.00%	5.26%
	May	13,715	12,993	722	0.00%	5.26%
	Jun	13,826	13,099	727	0.00%	5.26%
	Jul	12,122	11,484	638	0.00%	5.26%
	Aug	13,600	12,885	716	0.00%	5.26%
	Sep	13,520	12,808	711	0.00%	5.26%
	Oct	13,135	12,444	691	0.00%	5.26%
	Nov	13,130	12,439	691	0.00%	5.26%
	Dec	12,208	11,565	642	0.00%	5.26%
2029	Jan	12,505	11,935	570	0.00%	4.56%
	Feb	11,536	11,011	526	0.00%	4.56%
	Mar	11,731	11,196	535	0.00%	4.56%
	Apr	13,710	13,085	625	0.00%	4.56%
	May	14,569	13,905	664	0.00%	4.56%
	Jun	14,687	14,018	669	0.00%	4.56%
	Jul	12,877	12,290	587	0.00%	4.56%
	Aug	14,448	13,789	658	0.00%	4.56%
	Sep	14,362	13,708	654	0.00%	4.56%
	Oct	13,953	13,318	636	0.00%	4.56%
	Nov	13,948	13,313	636	0.00%	4.56%
	Dec	12,968	12,377	591	0.00%	4.56%
2030	Jan	13,241	12,722	518	0.00%	3.91%
	Feb	12,215	11,737	478	0.00%	3.91%
	Mar	12,421	11,935	486	0.00%	3.91%
	Apr	14,516	13,948	568	0.00%	3.91%
	May	15,427	14,823	604	0.00%	3.91%
	Jun	15,552	14,943	609	0.00%	3.91%
	Jul	13,635	13,101	534	0.00%	3.91%
	Aug	15,298	14,699	599	0.00%	3.91%
	Sep	15,207	14,612	595	0.00%	3.91%
	Oct	14,775	14,196	578	0.00%	3.91%
	Nov	14,769	14,191	578	0.00%	3.91%
	Dec	13,732	13,194	537	0.00%	3.91%
2031	Jan	13,976	13,511	465	0.00%	3.33%
	Feb	12,894	12,465	429	0.00%	3.33%
	Mar	13,111	12,675	436	0.00%	3.33%
	Apr	15,323	14,813	510	0.00%	3.33%

	May	16,284	15,742	542	0.00%	3.33%
	Jun	16,416	15,870	546	0.00%	3.33%
	Jul	14,392	13,913	479	0.00%	3.33%
	Aug	16,148	15,611	537	0.00%	3.33%
	Sep	16,052	15,518	534	0.00%	3.33%
	Oct	15,596	15,077	519	0.00%	3.33%
	Nov	15,590	15,071	519	0.00%	3.33%
	Dec	14,494	14,012	482	0.00%	3.33%
2032	Jan	14,710	14,299	411	0.00%	2.79%
	Feb	13,571	13,192	379	0.00%	2.79%
	Mar	13,800	13,414	385	0.00%	2.79%
	Apr	16,127	15,677	450	0.00%	2.79%
	May	17,139	16,660	479	0.00%	2.79%
	Jun	17,277	16,795	483	0.00%	2.79%
	Jul	15,147	14,724	423	0.00%	2.79%
	Aug	16,995	16,521	475	0.00%	2.79%
	Sep	16,895	16,423	472	0.00%	2.79%
	Oct	16,414	15,956	458	0.00%	2.79%
	Nov	16,408	15,950	458	0.00%	2.79%
	Dec	15,255	14,829	426	0.00%	2.79%
2033	Jan	15,440	15,084	356	0.00%	2.30%
	Feb	14,244	13,916	328	0.00%	2.30%
	Mar	14,484	14,151	334	0.00%	2.30%
	Apr	16,927	16,537	390	0.00%	2.30%
	May	17,989	17,575	414	0.00%	2.30%
	Jun	18,135	17,717	418	0.00%	2.30%
	Jul	15,899	15,533	366	0.00%	2.30%
	Aug	17,839	17,428	411	0.00%	2.30%
	Sep	17,733	17,324	409	0.00%	2.30%
	Oct	17,228	16,832	397	0.00%	2.30%
	Nov	17,222	16,825	397	0.00%	2.30%
	Dec	16,012	15,643	369	0.00%	2.30%
2034	Jan	16,165	15,865	300	0.00%	1.86%
	Feb	14,913	14,636	277	0.00%	1.86%
	Mar	15,165	14,883	281	0.00%	1.86%
	Apr	17,722	17,393	329	0.00%	1.86%
	May	18,834	18,484	349	0.00%	1.86%
	Jun	18,986	18,634	352	0.00%	1.86%
	Jul	16,646	16,337	309	0.00%	1.86%
	Aug	18,677	18,330	347	0.00%	1.86%
	Sep	18,566	18,221	345	0.00%	1.86%
	Oct	18,038	17,703	335	0.00%	1.86%
	Nov	18,031	17,696	335	0.00%	1.86%
	Dec	16,764	16,453	311	0.00%	1.86%

MWh Offtake was forecasted using Regression Analysis. It is the net of the Bilateral Contract Quantity and the WESM Exposure for the imbalances.

System Loss was calculated based on the projected Metered Quantity and Energy Sales. The MQ and kWh Sales were forecasted using the Regression Data Analysis tool. The Technical Loss was determined through a Load Flow Study conducted monthly of the base year 2024 using the DSAS software. Based on the same study, the Distribution System can adequately convey electricity to customers.

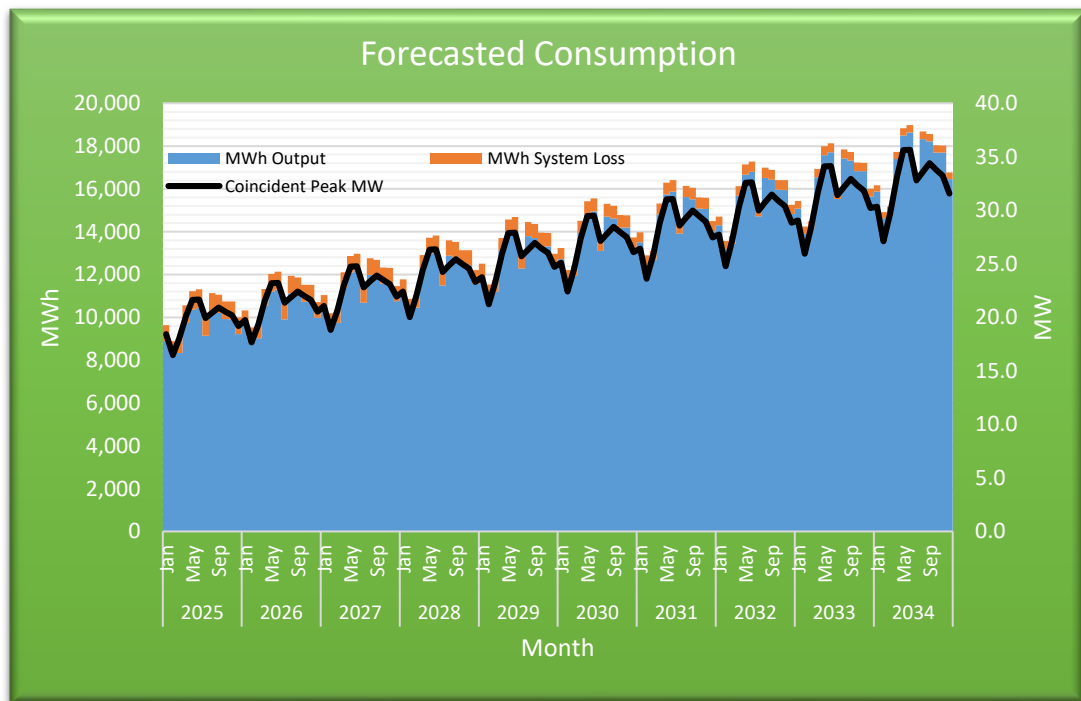


Figure 14: Forecasted Consumption

MWh Output was expected to grow at a rate of 6.63% annually.

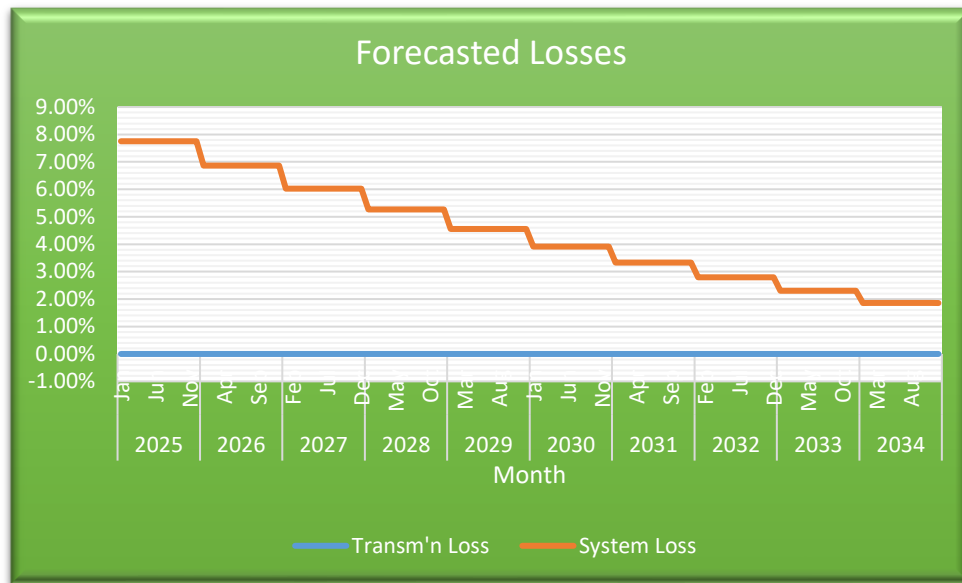


Figure 15: Forecasted Losses

Transmission Loss or the SSLA is already incorporated to the Total System Loss which is expected to range from 7.75% to 1.86%.

## Power Supply

Table 5: Contracted Power Supply Agreement

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
ERC Case No. 2024-142 RC	Base	Therma Luzon, Inc.	9.00	51,246	12/26/2024	12/25/2033

Currently, the PSA with Therma Luzon Inc. (TLI) has been issued with Provisional Authority by the Energy Regulatory Commission (ERC).

Table 6: Pending Power Supply Agreement

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
ERC Case No. 2024-158 RC	Base	TeaM Sual Corporation (Sual Power Inc.)	6.00	34,164	9/15/2024	12/25/2033
KSPC (Ongoing Prefiling)	Base	KEPCO SPC Power Corporation	3.00	17,082	9/15/2024	12/25/2033

The PSA with SPI is already scheduled for ERC Hearing on February 7 & 12, 2025 while for the KSPC is currently at the pre-filing stage at ERC. This was procured through the Region 8 Joint Competitive Power Supply Contracting (R8 JCPSP).

Table 7: For CSP Schedule

Particulars	R8 JCPSP_RPS
Type	Intermediate
Minimum MW	12.00
Minimum MWh/yr	19,586
PSA Start	12/26/2025
PSA End	12/25/2035
Publication	6/3/2025
Pre-bid	6/24/2025
Opening	8/23/2025
Awarding	9/22/2025
PSA Signing	10/22/2025
Joint Filing	10/31/2025

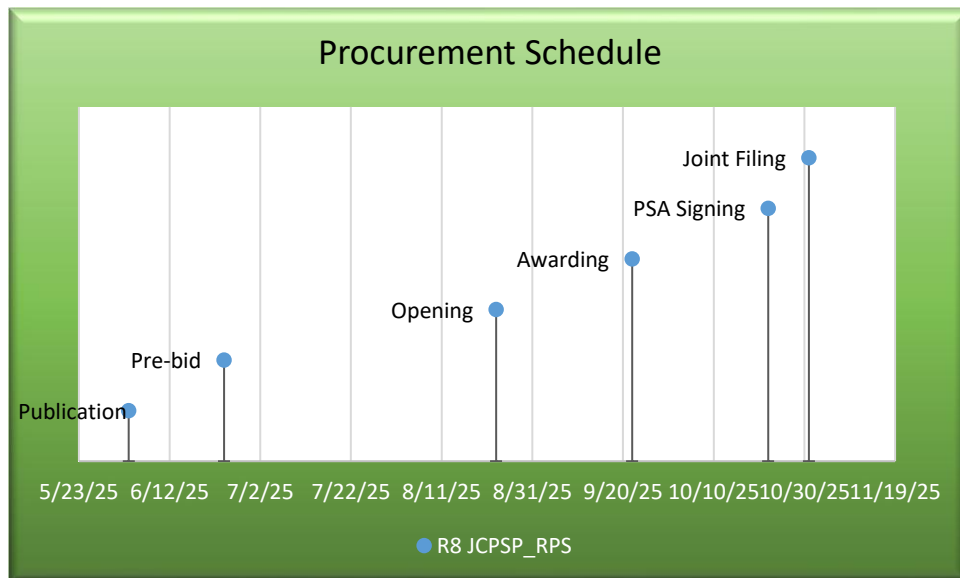


Figure 16: For CSP Schedule Timeline

The procurement of RPS compliant energy supply is planned to be available on December 26, 2025. Joint filing is planned on or before October 30, 2025, or 180 days later, in accordance with Department of Energy (DOE) Department Circular No. DC2023-06-0021, Energy Regulatory Commission (ERC) Resolution No. 16, Series of 2023, and National Electrification Administration (NEA) Memorandum No. 2023-57.

## Captive Customer Connections

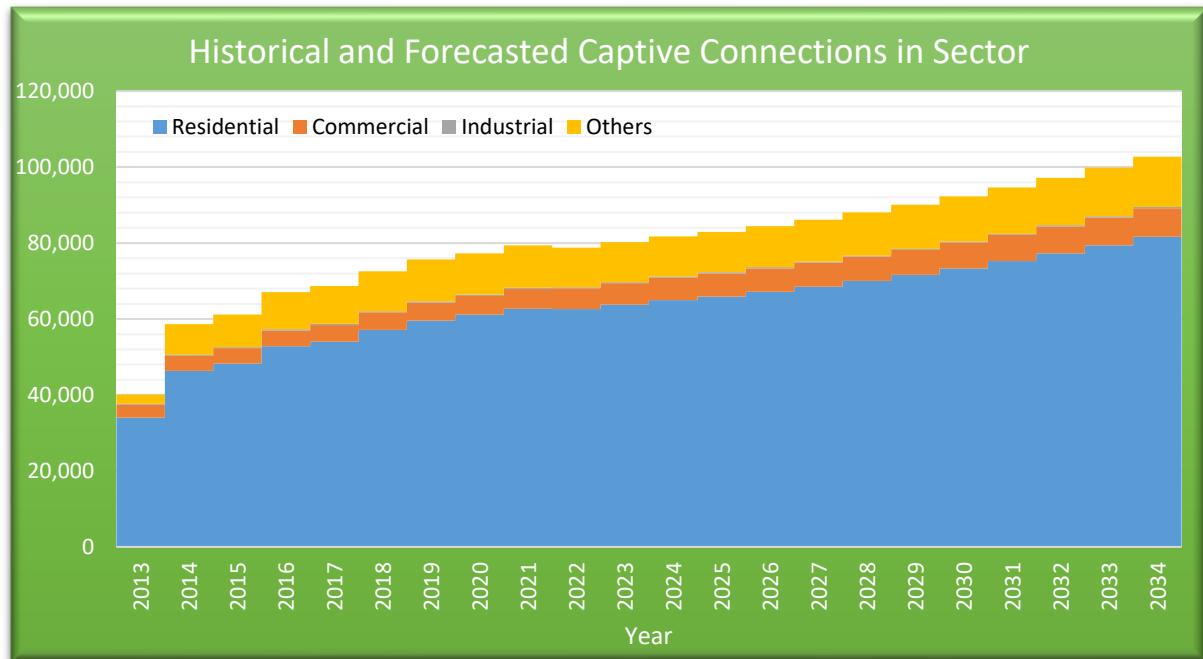


Figure 17: Historical and Forecasted Captive Connections

The number of captive customer connections is expected to grow at a rate of 2.31% annually for the years 2025 to 2034. Residential customers account for the bulk of energy sales at 53.24% due to the high number of connections at 79.52% for 2024.