Leyte V Electric Cooperative, Inc.
LEYECO V
Brgy. San Pablo, Ormoc City

POWER SUPPLY PROCUREMENT PLAN (PSPP)

2024 - 2033

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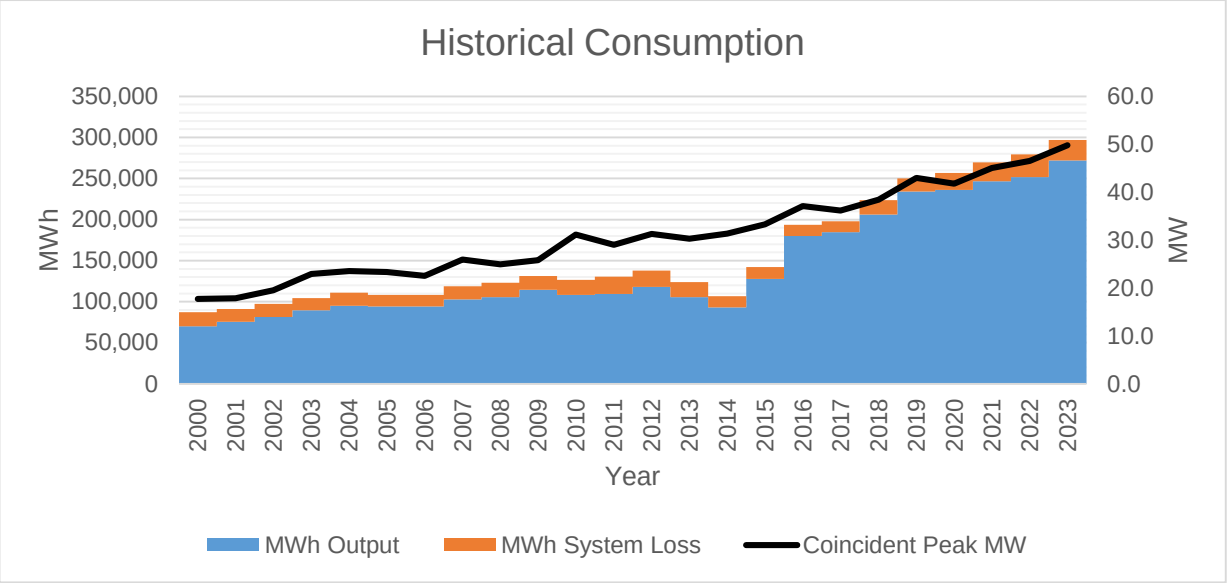
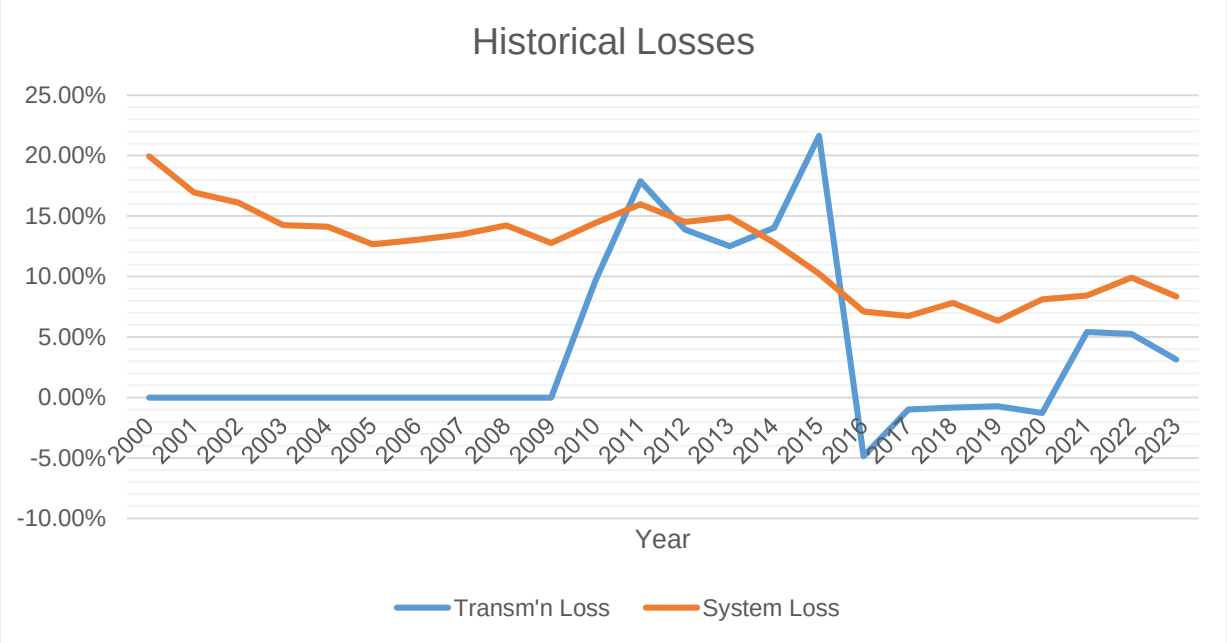
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	17.71	87,324	0	87,324	69,912	17,412	56%	0.00%	0.00%	19.94%
2001	17.86	90,934	0	90,934	75,508	15,426	58%	0.00%	0.00%	16.96%
2002	19.53	97,213	0	97,213	81,551	15,662	57%	0.00%	0.00%	16.11%
2003	22.97	104,359	0	104,359	89,474	14,884	52%	0.00%	0.00%	14.26%
2004	23.54	110,814	0	110,814	95,151	15,662	54%	0.00%	0.00%	14.13%
2005	23.34	108,116	0	108,116	94,412	13,704	53%	0.00%	0.00%	12.68%
2006	22.53	108,321	0	108,321	94,189	14,132	55%	0.00%	0.00%	13.05%
2007	25.96	118,717	0	118,717	102,691	16,026	52%	0.00%	0.00%	13.50%
2008	24.96	122,909	0	122,909	105,417	17,491	56%	0.00%	0.00%	14.23%
2009	25.78	131,256	0	131,256	114,491	16,765	58%	0.00%	0.00%	12.77%
2010	31.16	140,201	0	126,611	108,323	18,287	46%	0.00%	9.69%	14.44%
2011	29.01	158,795	0	130,418	109,572	20,846	51%	0.00%	17.87%	15.98%
2012	31.30	160,101	0	137,881	117,850	20,031	50%	0.00%	13.88%	14.53%
2013	30.26	141,607	0	123,890	105,412	18,478	47%	0.00%	12.51%	14.92%
2014	31.33	124,060	0	106,638	92,978	13,660	39%	0.00%	14.04%	12.81%
2015	33.29	181,440	0	142,155	127,599	14,556	49%	0.00%	21.65%	10.24%
2016	37.12	184,631	0	193,569	179,793	13,776	60%	0.00%	-4.84%	7.12%
2017	36.19	195,969	0	197,891	184,578	13,313	62%	0.00%	-0.98%	6.73%
2018	38.47	221,645	0	223,470	205,985	17,485	66%	0.00%	-0.82%	7.82%
2019	43.01	248,313	0	250,103	234,244	15,859	66%	0.00%	-0.72%	6.34%
2020	41.75	253,503	0	256,765	235,941	20,824	70%	0.00%	-1.29%	8.11%
2021	45.08	284,998	13,579	269,543	246,794	22,748	68%	0.00%	5.42%	8.44%
2022	46.52	294,821	3,902	279,314	251,633	27,681	69%	0.00%	5.26%	9.91%
2023	49.77	310,768	3,902	296,907	272,123	24,784	68%	0.00%	4.46%	8.35%

LEYECO V Peak Demand increased from 37.12 MW in 2016 to 43.01 MW in 2019 at an average rate of 4.64% due to the coming of industrial and commercial facilities within the coverage area of LEYECO V mostly the energization of the two (2) big load customers located in Ormoc City in 2018 namely, SM Center Ormoc and Robinsons Place with a total average peak demand of 3MW in 2018. However, in 2020, the peak demand had a slight decrease as compared to 2019. This is due to the CoVid-19 Pandemic in which many establishments are mandated for temporary closure to minimize the spread of the virus that causes the said pandemic. While in 2021, the peak demand had a slight increase as compared to 2020. This is because of the opening of the economy and the vaccination of the population. There was an abrupt change in consumption in 2013 and 2017 due to the Forced Majeure event brought by the Super Typhoon Yolanda in November 2013 and the earthquake in July 2017. In 2023, an increase of 6.9% of the total demand in 2022. This is due to the increasing demand of Ormoc City and other neighboring Municipality in the coverage area.



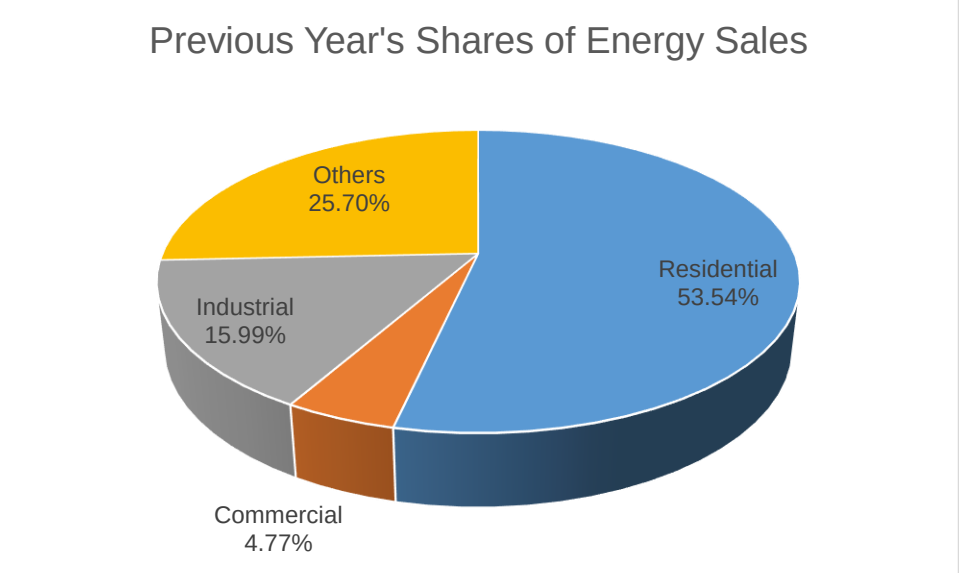
Based on the graph above, abrupt decreased of energy input happened in the year 2014 due to the effect of super typhoon Yolanda that was occurred last November 8, 2013. The Coop are still on the restoration stage of its distribution system thus, no consumption recorded in the early months of the year 2014. From 2021 to 2023, there's an increase of energy consumption of 10.26%.



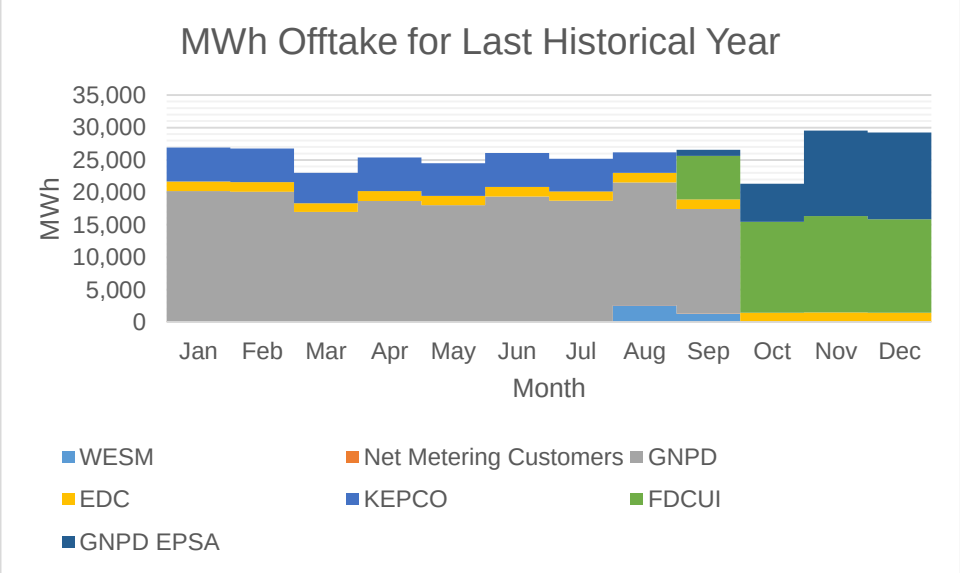
Historically, System Loss ranged from 19.94% to 6.34%. System Loss recorded at nearly 20% on year 2000. This is because of the distribution setup and long distribution lines that served by only few substations.

System loss of the Coop is decreases after the entire rehabilitation of distribution lines devastated/damaged by Super typhoon Yolanda in 2013. This is due to total

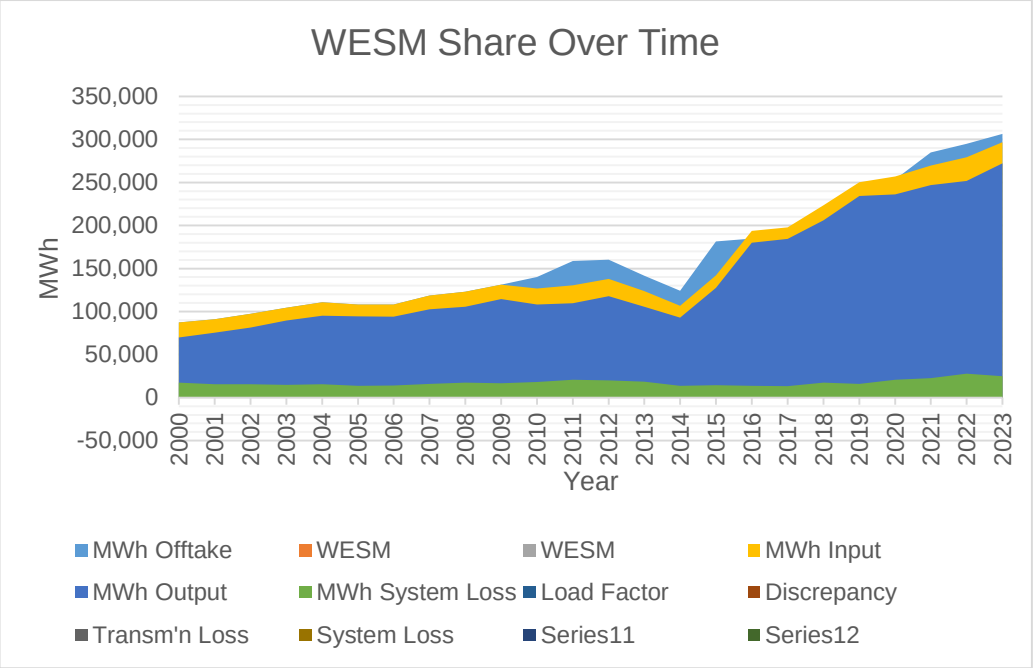
rehab/revamp of old distribution lines and massive kwh meter replacement within the coverage area of the Coop. Historical Transmission Loss ranges from -4.84% to 21.65%. Negative transmission loss entails that the contracted energy is much lower compared to the metered quantity.



Based on the figure above, Residential customers has the highest contribution of the total energy sales of the Coop with 53.53% followed by Industrial customers with 15.99%. This is because residential customers have also the largest number of the total customers served within the franchised area of LEYECO V.

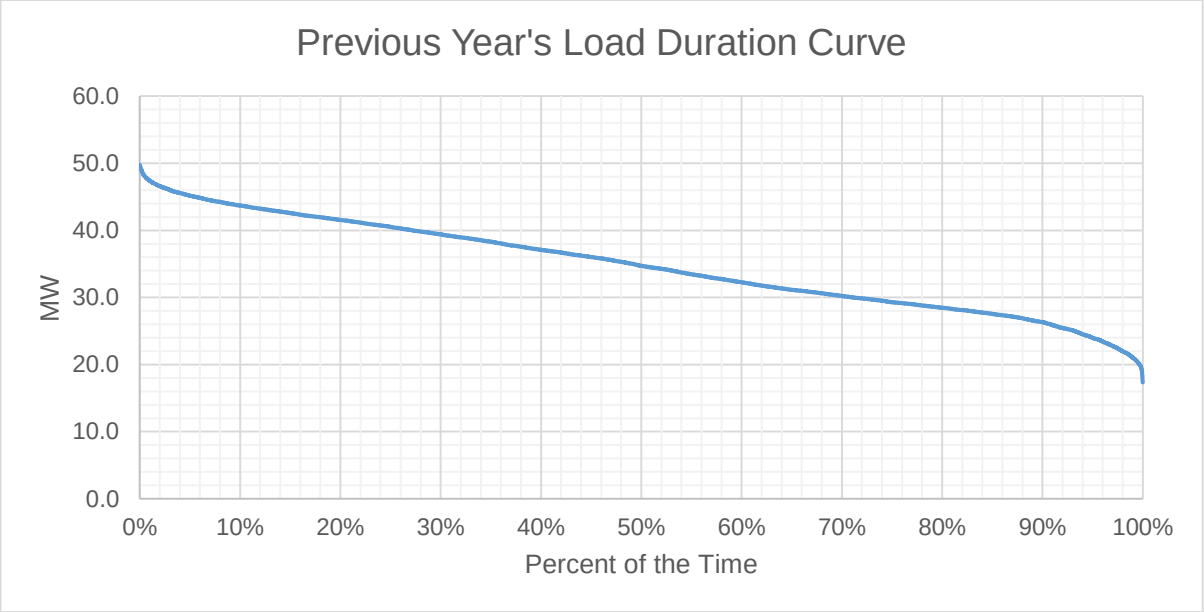


For 2023, the total Offtake is higher than the quantity stipulated in the PSA. The PSA with GNPD accounts for the bulk of MWh Offtake.

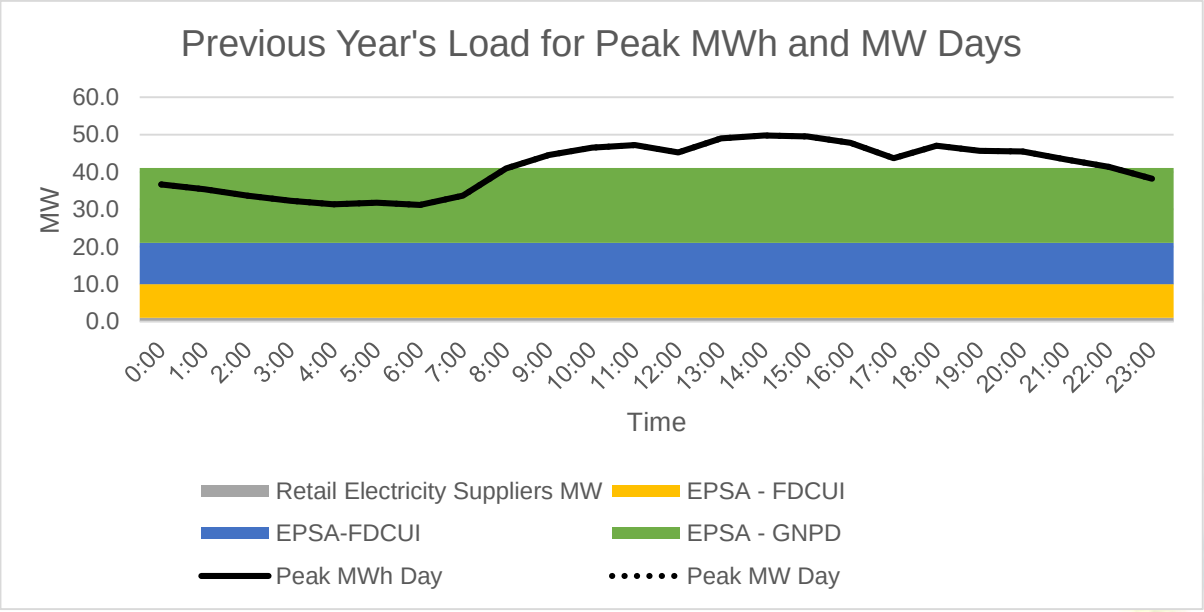


WESM Offtake increased in an intermittent manner due to the trading activities and optimization of the capacity utilization factor of the PSAs.

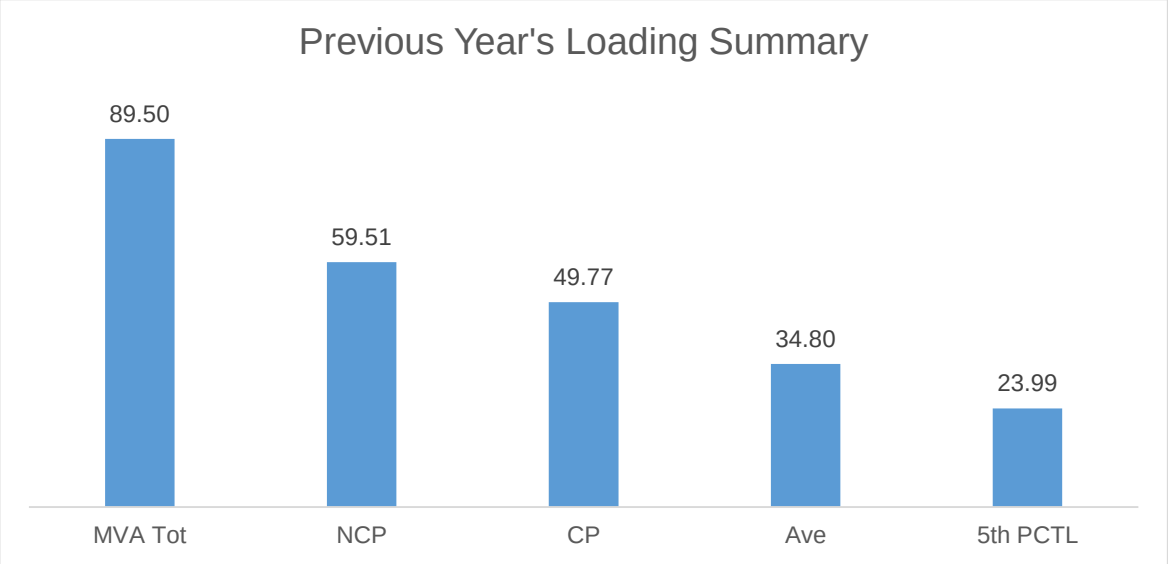
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 17.34MW and the maximum load is 49.77MW in 2023.



Peak MW occurred on 1400H due to the operation of Industrial and commercial establishment in the area like the SM and Robinsons Mall and other industrial customer within the franchise area of LEYECO V. Peak daily MWh occurred on daytime due to reason as stated above. As shown in the Load Curves, the available supply is lower than the Peak Demand.



The Non-Coincident Peak Demand is 59.51 MW, which is around 66.49% of the total substation capacity of 89.5 MVA at a power factor of 96.12%. The load factor or the ratio between the Average Load of 34.80 MW and the Coincident Peak Demand is 69.92%. A safe estimate of the true minimum load is the fifth percentile load of 23.99 MW which is 40.31% of the Non-Coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
Mahayag S/S	12	10.124
Simangan S/S	25	17.988
Talisayan S/S	10	6.885
Sambulawan S/S	6.25	3.014
Tambis S/S	5	4.584
Libongao S/S	6.25	4.469
Alta Vista S/S	25	12.450

The substations loaded at above 70% are Simangan, Tambis, Mahayag & Libongao Substations. This loading problem will be solved by Uprating of existing power transformers or construction of additional power substations.

As per evaluation of the percent loading of the Coop substation capacities versus its actual peak demand, it found out that there's a need to construct additional power substations in the franchise area of LEYECO V to address the supply capacity of the distribution system.

LEYECO V has 10MVA substation projects located in Palompon area. This was energized last 2023. The said project will address and deload the loading of 4ISABE_T1L1 (Mahayag, Isabel) and 4TABAN_T1L1 (Tambis, Tabango) substations.

LEYECO V also plans to construct additional 10MVA Substation located in Ormoc City to address the capacity problem of Simangan Substation and for the upcoming development of the City. LEYECO V also plans to construct additional substation at Albuera area to address the increasing demand in the area.

LEYECO V also has a project for an uprating of the existing 5MVA 4ORMOC_T2L1 (Libongao, Kananga) substation in 2023 to address the overloaded power transformer of the said substation.

Forecasted Consumption Data

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2024	Jan	43.97	0.00	40.00	7.000	1.05	0%	109%	4.08
	Feb	43.74	0.00	40.00	7.000	1.35	0%	111%	4.61
	Mar	46.56	0.00	40.00	7.000	1.76	0%	105%	2.20
	Apr	47.79	0.00	40.00	7.000	1.57	0%	102%	0.77
	May	50.90	0.00	40.00	7.000	1.82	0%	96%	-2.08
	Jun	51.02	0.00	40.00	7.000	1.71	0%	95%	-2.31
	Jul	48.59	0.00	40.00	7.000	1.61	0%	100%	0.02
	Aug	50.18	0.00	40.00	9.000	1.83	0%	101%	0.65
	Sep	49.32	0.00	31.00	9.000	1.64	0%	84%	-7.68
	Oct	50.52	0.00	0.00	49.000	1.46	0%	100%	-0.06
	Nov	49.35	0.00	0.00	49.000	1.54	0%	102%	1.18
	Dec	48.72	0.00	0.00	49.000	1.67	0%	104%	1.95
2025	Jan	45.70	0.00	0.00	49.000	1.11	0%	110%	4.41
	Feb	45.46	0.00	0.00	49.000	1.43	0%	111%	4.97
	Mar	48.39	0.00	0.00	49.000	1.87	0%	105%	2.48
	Apr	49.67	0.00	0.00	49.000	1.66	0%	102%	0.99
	May	52.90	0.00	0.00	49.000	1.94	0%	96%	-1.97
	Jun	53.02	0.00	0.00	49.000	1.81	0%	96%	-2.21
	Jul	50.50	0.00	0.00	49.000	1.71	0%	100%	0.21
	Aug	52.15	0.00	0.00	51.000	1.95	0%	102%	0.80
	Sep	51.26	0.00	0.00	51.000	1.74	0%	103%	1.48
	Oct	52.50	0.00	0.00	51.000	1.55	0%	100%	0.05
	Nov	51.29	0.00	0.00	51.000	1.63	0%	103%	1.34
	Dec	50.64	0.00	0.00	51.000	1.77	0%	104%	2.14
2026	Jan	47.48	0.00	0.00	51.000	1.18	0%	110%	4.70
	Feb	47.24	0.00	0.00	51.000	1.52	0%	112%	5.28
	Mar	50.27	0.00	0.00	51.000	1.97	0%	106%	2.70
	Apr	51.61	0.00	0.00	51.000	1.76	0%	102%	1.15
	May	54.96	0.00	0.00	51.000	2.05	0%	96%	-1.92
	Jun	55.09	0.00	0.00	51.000	1.92	0%	96%	-2.17
	Jul	52.47	0.00	0.00	51.000	1.80	0%	101%	0.34
	Aug	54.18	0.00	0.00	51.000	2.06	0%	98%	-1.12
	Sep	53.26	0.00	0.00	51.000	1.84	0%	99%	-0.42
	Oct	54.55	0.00	0.00	51.000	1.64	0%	96%	-1.91
	Nov	53.29	0.00	0.00	51.000	1.73	0%	99%	-0.56
	Dec	52.61	0.00	0.00	51.000	1.88	0%	101%	0.27
2027	Jan	49.31	0.00	0.00	49.000	1.24	0%	102%	0.93
	Feb	49.06	0.00	0.00	49.000	1.60	0%	103%	1.54
	Mar	52.21	0.00	0.00	49.000	2.08	0%	98%	-1.13

	Apr	53.60	0.00	0.00	49.000	1.85	0%	95%	-2.74
	May	57.08	0.00	0.00	49.000	2.16	0%	89%	-5.92
	Jun	57.21	0.00	0.00	49.000	2.02	0%	89%	-6.19
	Jul	54.49	0.00	0.00	49.000	1.90	0%	93%	-3.59
	Aug	56.27	0.00	0.00	49.000	2.17	0%	91%	-5.10
	Sep	55.31	0.00	0.00	49.000	1.94	0%	92%	-4.37
	Oct	56.65	0.00	0.00	49.000	1.73	0%	89%	-5.92
	Nov	55.34	0.00	0.00	49.000	1.82	0%	92%	-4.53
	Dec	54.64	0.00	0.00	49.000	1.98	0%	93%	-3.66
2028	Jan	51.19	0.00	0.00	55.000	1.30	0%	110%	5.11
	Feb	50.93	0.00	0.00	55.000	1.68	0%	112%	5.75
	Mar	54.21	0.00	0.00	55.000	2.19	0%	106%	2.98
	Apr	55.64	0.00	0.00	55.000	1.95	0%	102%	1.31
	May	59.26	0.00	0.00	55.000	2.27	0%	97%	-1.99
	Jun	59.40	0.00	0.00	55.000	2.12	0%	96%	-2.27
	Jul	56.57	0.00	0.00	55.000	2.00	0%	101%	0.43
	Aug	58.42	0.00	0.00	55.000	2.28	0%	98%	-1.14
	Sep	57.42	0.00	0.00	55.000	2.03	0%	99%	-0.39
	Oct	58.81	0.00	0.00	55.000	1.82	0%	96%	-2.00
	Nov	57.46	0.00	0.00	55.000	1.91	0%	99%	-0.55
	Dec	56.72	0.00	0.00	55.000	2.08	0%	101%	0.35
2029	Jan	53.12	0.00	0.00	56.000	1.36	0%	108%	4.24
	Feb	52.85	0.00	0.00	56.000	1.76	0%	110%	4.91
	Mar	56.25	0.00	0.00	56.000	2.29	0%	104%	2.04
	Apr	57.74	0.00	0.00	56.000	2.04	0%	101%	0.30
	May	61.50	0.00	0.00	56.000	2.37	0%	95%	-3.13
	Jun	61.64	0.00	0.00	56.000	2.22	0%	94%	-3.42
	Jul	58.71	0.00	0.00	56.000	2.09	0%	99%	-0.61
	Aug	60.62	0.00	0.00	56.000	2.38	0%	96%	-2.24
	Sep	59.59	0.00	0.00	56.000	2.13	0%	97%	-1.46
	Oct	61.04	0.00	0.00	56.000	1.90	0%	95%	-3.13
	Nov	59.63	0.00	0.00	56.000	2.00	0%	97%	-1.63
	Dec	58.87	0.00	0.00	56.000	2.18	0%	99%	-0.69
2030	Jan	55.11	0.00	0.00	57.000	1.42	0%	106%	3.32
	Feb	54.83	0.00	0.00	57.000	1.84	0%	108%	4.01
	Mar	58.35	0.00	0.00	57.000	2.39	0%	102%	1.04
	Apr	59.90	0.00	0.00	57.000	2.13	0%	99%	-0.77
	May	63.80	0.00	0.00	57.000	2.48	0%	93%	-4.32
	Jun	63.94	0.00	0.00	57.000	2.32	0%	93%	-4.62
	Jul	60.90	0.00	0.00	57.000	2.18	0%	97%	-1.71
	Aug	62.89	0.00	0.00	57.000	2.49	0%	94%	-3.40
	Sep	61.81	0.00	0.00	57.000	2.22	0%	96%	-2.59
	Oct	63.31	0.00	0.00	57.000	1.99	0%	93%	-4.33
	Nov	61.85	0.00	0.00	57.000	2.09	0%	95%	-2.76
	Dec	61.06	0.00	0.00	57.000	2.27	0%	97%	-1.79

2031	Jan	57.14	0.00	0.00	58.000	1.48	0%	104%	2.34
	Feb	56.85	0.00	0.00	58.000	1.91	0%	106%	3.06
	Mar	60.51	0.00	0.00	58.000	2.49	0%	100%	-0.02
	Apr	62.11	0.00	0.00	58.000	2.22	0%	97%	-1.89
	May	66.15	0.00	0.00	58.000	2.58	0%	91%	-5.57
	Jun	66.30	0.00	0.00	58.000	2.42	0%	91%	-5.88
	Jul	63.15	0.00	0.00	58.000	2.27	0%	95%	-2.87
	Aug	65.21	0.00	0.00	58.000	2.59	0%	93%	-4.61
	Sep	64.09	0.00	0.00	58.000	2.32	0%	94%	-3.78
	Oct	65.65	0.00	0.00	58.000	2.07	0%	91%	-5.58
	Nov	64.14	0.00	0.00	58.000	2.17	0%	94%	-3.96
	Dec	63.32	0.00	0.00	58.000	2.37	0%	95%	-2.95
2032	Jan	59.23	0.00	0.00	49.000	1.69	0%	85%	-8.53
	Feb	58.92	0.00	0.00	49.000	2.19	0%	86%	-7.74
	Mar	62.71	0.00	0.00	49.000	2.84	0%	82%	-10.87
	Apr	64.38	0.00	0.00	49.000	2.54	0%	79%	-12.84
	May	68.57	0.00	0.00	49.000	2.95	0%	75%	-16.61
	Jun	68.72	0.00	0.00	49.000	2.76	0%	74%	-16.96
	Jul	65.45	0.00	0.00	49.000	2.60	0%	78%	-13.85
	Aug	67.59	0.00	0.00	49.000	2.96	0%	76%	-15.62
	Sep	66.43	0.00	0.00	49.000	2.65	0%	77%	-14.79
	Oct	68.05	0.00	0.00	49.000	2.94	0%	75%	-16.11
	Nov	66.48	0.00	0.00	49.000	2.49	0%	77%	-14.99
	Dec	65.63	0.00	0.00	49.000	2.70	0%	78%	-13.92
2033	Jan	61.36	0.00	0.00	49.000	1.76	0%	82%	-10.61
	Feb	61.05	0.00	0.00	49.000	2.27	0%	83%	-9.78
	Mar	64.98	0.00	0.00	49.000	2.95	0%	79%	-13.03
	Apr	66.70	0.00	0.00	49.000	2.63	0%	76%	-15.07
	May	71.04	0.00	0.00	49.000	3.06	0%	72%	-18.98
	Jun	71.20	0.00	0.00	49.000	2.87	0%	72%	-19.33
	Jul	67.81	0.00	0.00	49.000	2.70	0%	75%	-16.12
	Aug	70.03	0.00	0.00	49.000	3.07	0%	73%	-17.95
	Sep	68.83	0.00	0.00	49.000	2.75	0%	74%	-17.08
	Oct	70.50	0.00	0.00	49.000	2.45	0%	72%	-19.05
	Nov	68.87	0.00	0.00	49.000	2.58	0%	74%	-17.30
	Dec	68.00	0.00	0.00	49.000	2.80	0%	75%	-16.19

Forecasting of loads, number of customers and sales were conducted systematically. Various forecasting models were used to have an almost accurate forecast that passes all the parameters. Adjusted R 2 and R 2 must have at least 99%, MAPE should not exceed 5%, and p-value should be lower than 0.1 and t-statistics should be greater than 2 and less than 2 for the model to be valid. All the chosen model passed these criteria and used for the technical evaluation of the future system.

The Coincident peak demand of the Coop was increasing annually at an average load growth of 2.5%. For flexibility of the trading transactions of the Coop to optimize the

effective generation rate, projected peak demand of some months from 2019 onwards is lower than the contracted demand. This was happened because the contract of LEYECO V and PSALM is only in terms of energy consumption and not on the actual demand.

On the other hand, Distribution Impact Study is performed to assess the possible effects of the proposed additional power supply contracted and the increased of the peak demand of the existing Leyte V Electric Cooperative, Inc. (LEYECO V)'s 13.2kV distribution system.

The Distribution Impact Study (DIS) evaluates entire LEYECO V distribution system with and without the proposed connection of the proposed Project. The technical analysis includes thermal assessment and voltage assessment. The analysis is performed in accordance with the criteria and requirements of the Philippine Distribution Code (PDC) and Philippine Electrical Code (PEC).
Overall, the connection of the proposed CAPEX Projects reflected in the Distribution Development Plan (DDP) is TECHNICALLY FEASIBLE.

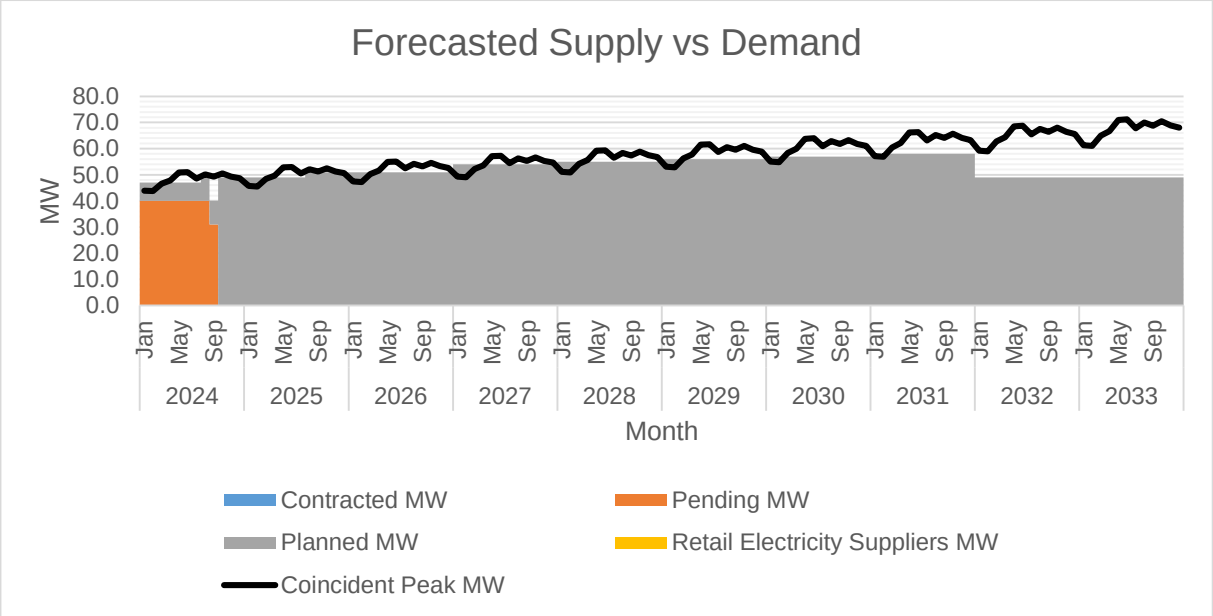
Thermal Assessment
The connection of the Project will not cause any overloading on the associated distribution facilities of LEYECO V grid and the network can safely accommodate the additional capacity at maximum generation dispatch.

Voltage Assessment
The bus voltages in the study area were found to be within the limits prescribed in the Philippine Distribution Code (PDC) under normal network conditions. The connection of the Project will even contribute to the improvement of the voltage profile due to its injection of reactive power in the system.

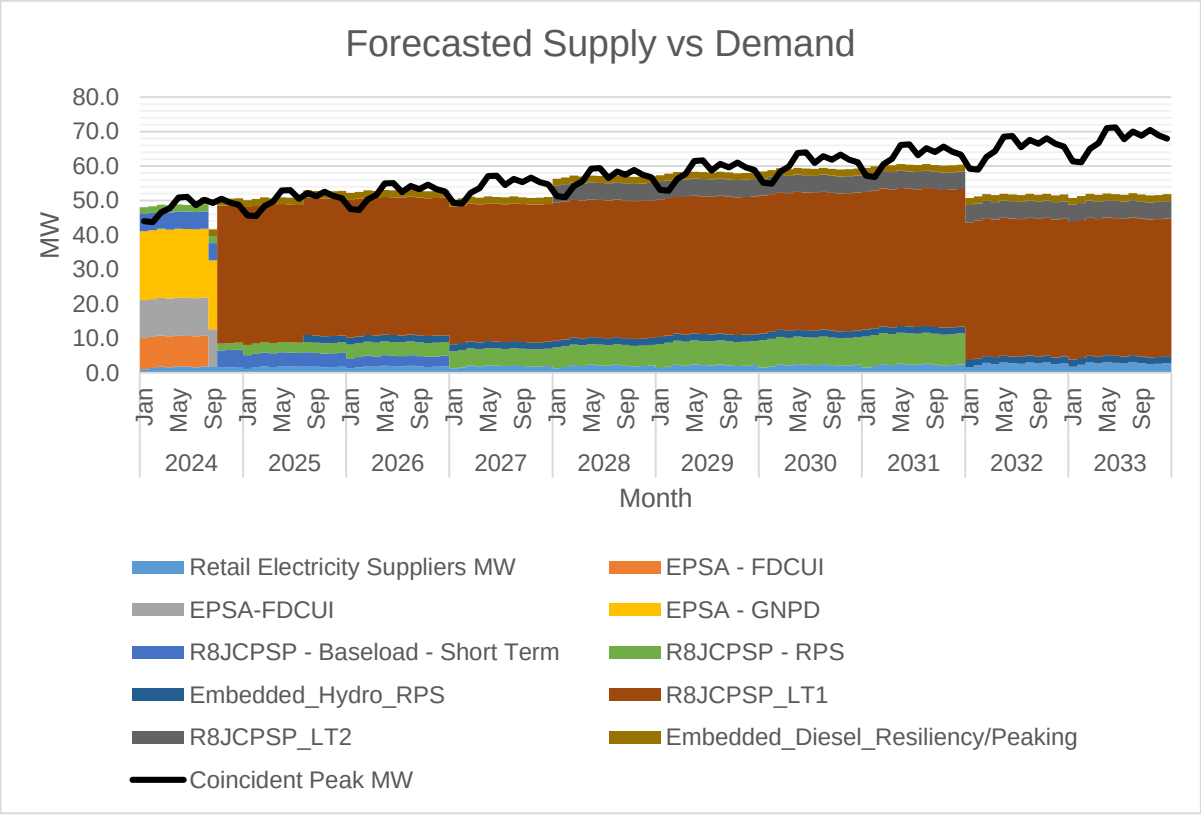
Short-Circuit Assessment
The increase in fault level in the associated distribution feeder points and buses upon connection of the Project was found to be marginal. While the resulting three-phase short circuit current remained relatively unchanged verification of the actual ratings of the protection equipment's in the monitored substations is advised to make sure that replacement will not be necessary.

Future Update in the Study Assumptions
Any later changes or updates in the stated assumptions require further study and assessment by LEYECO V in the succeeding preparation and update of the Distribution Development Plan (DDP).

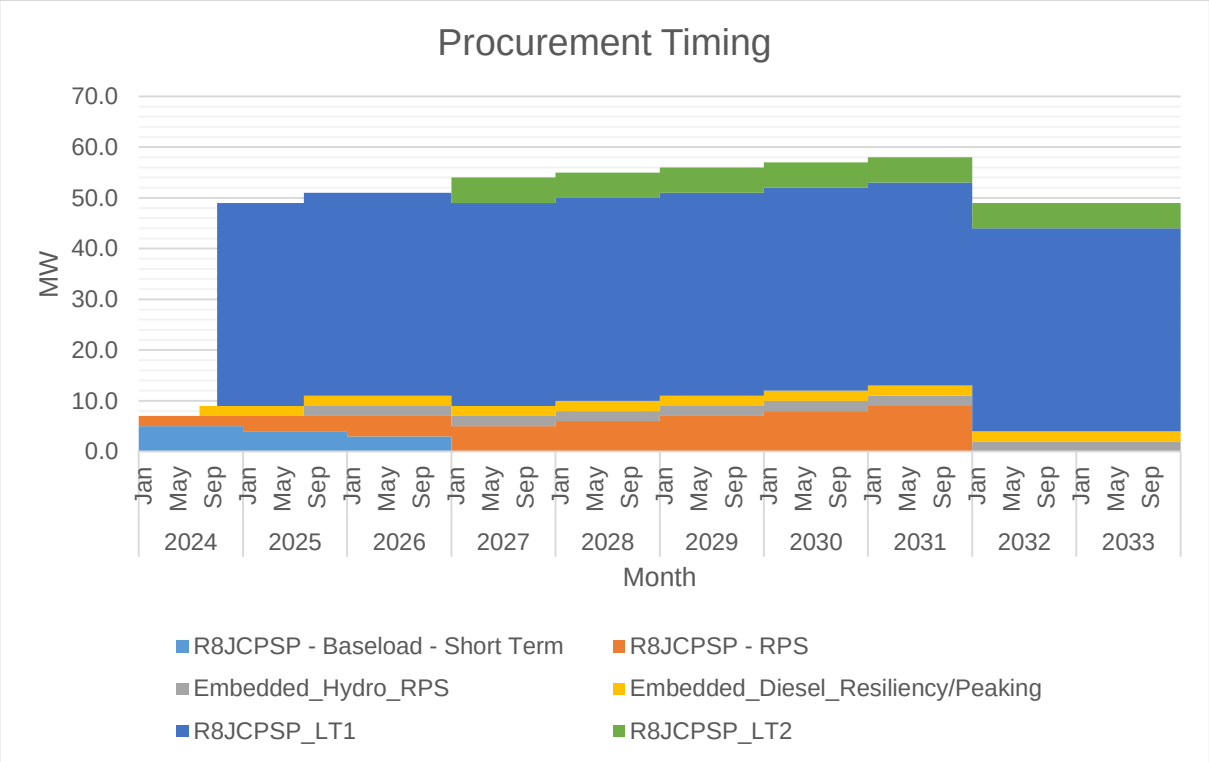
LEYECO V can perform its own DIS simulation using the ETAP and POWERWORLD educational version software but the Coop also was in the process of procuring DIS software for DIS study for all the incoming connection of big loads, embedded generation or even the effect of the additional power supply contract level.



The available supply is mostly above the Peak Demand. This is because of the contracted supply from GENCOS and the proposed development of embedded generation facilities of the Coop.



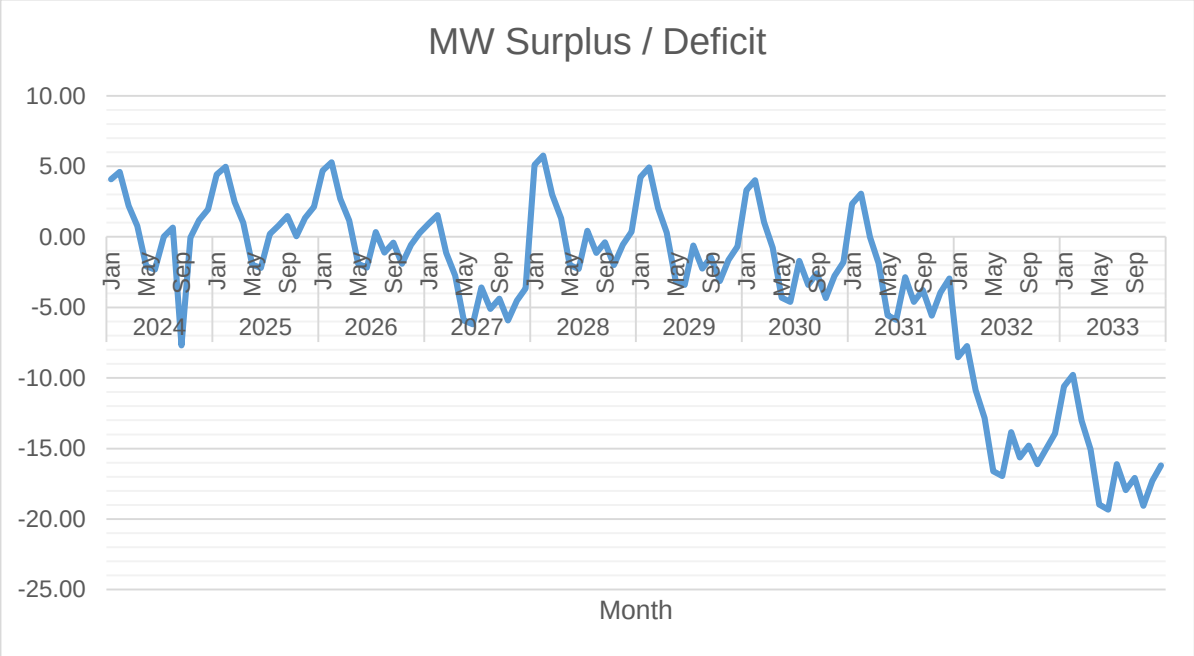
Of the available supply, the largest is 20 MW from GNPower Dinginin Coal Power plant and 20 MW from FDCMPC.



The first wave of supply procurement will be for the aggregation of Region 8 EC's for Short Term Baseload and RPS requirement planned to be available last December 2023. This will be followed by another baseload aggregation of Region 8 EC's for Long Term Baseload. This will also be followed by the commercialization of proposed embedded power generation coming from the Mini-hydro power plant in the area of Ormoc City and Kananga.

Currently, LEYECO V has an Emergency Power Supply Agreement with GNPD and FDCMPC with a contracted capacity of 20MW and 20MW respectively. This means that LEYECO V 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 V is planning to have a 47MW for 2024, 49MW for 2025, 49MW for 2026, and 52MW for 2027, 53MW for 2028, 54MW for 2029, 55MW for 2030, and 56MW for 2031 which is also an RPS compliant effective 2024 through a Competitive Selection Process (CSP) in aggregation with all the other Region 8 Electric Cooperatives.



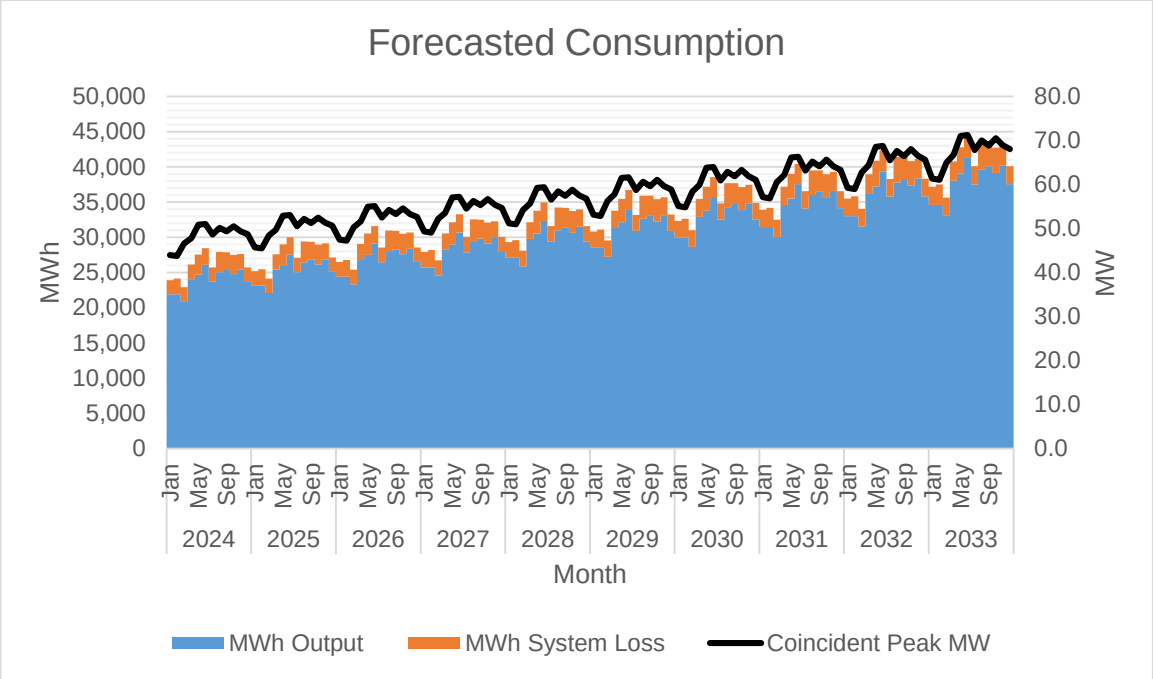
Currently, there is a deficit of 7.68. The highest surplus is 5.75 MW which is expected to occur on the month of February 2028. The lowest surplus or the highest deficit is 19.33 MW which will occur on the month of June 2033.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2024	Jan	31,349	21,909	1,985	23.78%	8.31%
	Feb	31,576	21,907	2,249	23.50%	9.31%
	Mar	28,800	20,923	1,977	20.49%	8.63%
	Apr	31,569	24,036	2,116	17.16%	8.09%
	May	31,070	24,678	2,860	11.37%	10.39%
	Jun	31,973	26,094	2,367	10.99%	8.32%
	Jul	30,914	23,735	1,974	16.84%	7.68%
	Aug	32,186	25,056	2,857	13.28%	10.24%
	Sep	29,633	25,374	2,482	6.00%	8.91%
	Oct	31,061	24,750	2,750	11.46%	10.00%
	Nov	31,791	25,456	2,183	13.06%	7.90%
	Dec	29,772	23,762	1,965	13.59%	7.64%
2025	Jan	28,677	23,132	2,045	12.20%	8.12%
	Feb	28,894	23,130	2,317	11.93%	9.11%
	Mar	27,785	22,098	2,037	13.14%	8.44%
	Apr	30,996	25,387	2,180	11.06%	7.91%
	May	32,845	26,065	2,947	11.67%	10.16%
	Jun	33,489	27,560	2,439	10.42%	8.13%
	Jul	31,240	25,066	2,034	13.25%	7.51%
	Aug	32,871	26,463	2,944	10.54%	10.01%
	Sep	33,386	26,798	2,557	12.07%	8.71%
	Oct	32,619	26,139	2,833	11.18%	9.78%
	Nov	33,307	26,883	2,249	12.54%	7.72%
	Dec	30,764	25,095	2,025	11.84%	7.47%
2026	Jan	30,217	24,403	2,106	12.27%	7.95%
	Feb	30,006	24,400	2,387	10.73%	8.91%
	Mar	28,812	23,316	2,099	11.79%	8.26%
	Apr	32,512	26,791	2,246	10.69%	7.73%
	May	33,843	27,505	3,036	9.76%	9.94%
	Jun	35,012	29,083	2,512	9.76%	7.95%
	Jul	32,804	26,448	2,095	12.99%	7.34%
	Aug	33,852	27,923	3,033	8.55%	9.80%
	Sep	34,358	28,275	2,634	10.04%	8.52%
	Oct	33,553	27,581	2,919	9.10%	9.57%
	Nov	34,275	28,365	2,317	10.48%	7.55%
	Dec	32,858	26,479	2,086	13.07%	7.30%
2027	Jan	28,186	25,721	2,169	1.05%	7.78%
	Feb	28,286	25,716	2,458	0.40%	8.73%
	Mar	27,545	24,579	2,161	2.92%	8.08%
	Apr	30,552	28,198	2,313	0.14%	7.58%
	May	31,863	28,646	3,127	0.28%	9.84%
	Jun	33,058	30,397	2,587	0.22%	7.84%

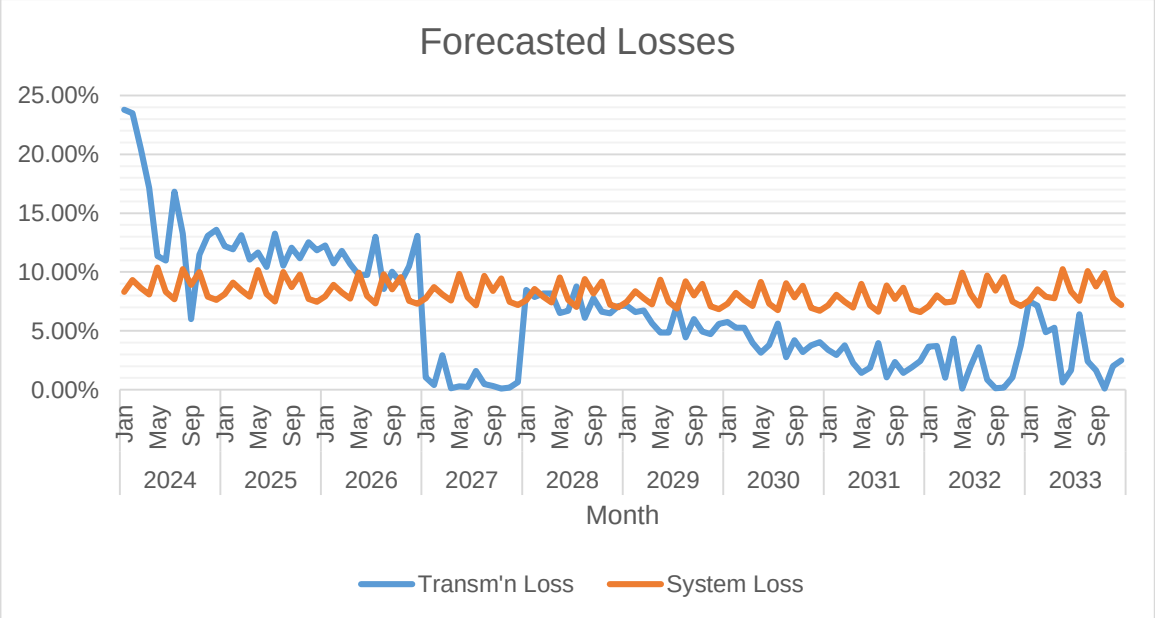
	Jul	30,527	27,881	2,158	1.60%	7.18%
	Aug	32,451	29,173	3,124	0.48%	9.67%
	Sep	32,401	29,589	2,713	0.31%	8.40%
	Oct	31,845	28,811	3,006	0.09%	9.45%
	Nov	32,016	29,570	2,386	0.19%	7.47%
	Dec	30,008	27,664	2,148	0.65%	7.20%
2028	Jan	32,032	27,086	2,233	8.47%	7.62%
	Feb	32,146	27,078	2,531	7.89%	8.55%
	Mar	30,610	25,884	2,225	8.17%	7.92%
	Apr	34,992	29,752	2,381	8.17%	7.41%
	May	36,110	30,541	3,220	6.51%	9.54%
	Jun	37,467	32,295	2,664	6.70%	7.62%
	Jul	34,620	29,363	2,222	8.77%	7.03%
	Aug	36,443	31,001	3,216	6.11%	9.40%
	Sep	37,067	31,391	2,793	7.78%	8.17%
	Oct	36,113	30,623	3,095	6.63%	9.18%
	Nov	36,305	31,490	2,456	6.50%	7.24%
	Dec	34,032	29,396	2,211	7.13%	7.00%
2029	Jan	33,161	28,497	2,298	7.14%	7.46%
	Feb	33,288	28,485	2,605	6.60%	8.38%
	Mar	31,658	27,232	2,291	6.75%	7.76%
	Apr	35,785	31,309	2,451	5.66%	7.26%
	May	37,260	32,137	3,314	4.85%	9.35%
	Jun	38,601	33,983	2,742	4.86%	7.47%
	Jul	35,761	30,896	2,287	7.21%	6.89%
	Aug	37,606	32,617	3,310	4.46%	9.21%
	Sep	38,198	33,028	2,875	6.01%	8.01%
	Oct	37,247	32,221	3,186	4.94%	9.00%
	Nov	37,432	33,132	2,528	4.73%	7.09%
	Dec	35,176	30,928	2,276	5.60%	6.85%
2030	Jan	34,289	29,954	2,364	5.75%	7.31%
	Feb	34,429	29,937	2,681	5.26%	8.22%
	Mar	32,706	28,623	2,357	5.27%	7.61%
	Apr	36,912	32,917	2,522	3.99%	7.12%
	May	38,408	33,784	3,411	3.16%	9.17%
	Jun	40,069	35,726	2,822	3.80%	7.32%
	Jul	36,900	32,477	2,353	5.61%	6.76%
	Aug	38,768	34,286	3,406	2.78%	9.04%
	Sep	39,328	34,718	2,959	4.20%	7.85%
	Oct	38,380	33,872	3,278	3.21%	8.82%
	Nov	38,892	34,828	2,602	3.76%	6.95%
	Dec	36,317	32,510	2,342	4.04%	6.72%
2031	Jan	35,082	31,458	2,431	3.40%	7.17%
	Feb	35,235	31,435	2,758	2.96%	8.07%
	Mar	33,751	30,057	2,425	3.76%	7.46%

	Apr	38,037	34,576	2,594	2.28%	6.98%
	May	39,555	35,483	3,509	1.42%	9.00%
	Jun	41,200	37,523	2,903	1.88%	7.18%
	Jul	38,038	34,108	2,420	3.97%	6.63%
	Aug	39,929	36,006	3,504	1.05%	8.87%
	Sep	40,456	36,461	3,044	2.35%	7.70%
	Oct	39,513	35,574	3,373	1.43%	8.66%
	Nov	40,016	36,577	2,676	1.91%	6.82%
	Dec	37,458	34,140	2,409	2.43%	6.59%
2032	Jan	36,584	32,746	2,499	3.66%	7.09%
	Feb	36,783	32,583	2,836	3.71%	8.01%
	Mar	33,996	31,150	2,494	1.04%	7.41%
	Apr	37,155	32,870	2,667	4.35%	7.51%
	May	36,370	32,722	3,609	0.11%	9.93%
	Jun	37,326	33,598	2,986	1.99%	8.16%
	Jul	36,117	32,322	2,489	3.62%	7.15%
	Aug	37,531	33,600	3,604	0.87%	9.69%
	Sep	37,241	34,063	3,130	0.13%	8.42%
	Oct	36,361	32,825	3,469	0.18%	9.56%
	Nov	37,120	33,979	2,753	1.05%	7.49%
	Dec	36,195	32,366	2,478	3.73%	7.11%
2033	Jan	36,636	31,306	2,569	7.53%	7.58%
	Feb	36,848	31,303	2,916	7.13%	8.52%
	Mar	34,071	29,847	2,564	4.87%	7.91%
	Apr	37,230	32,531	2,742	5.25%	7.77%
	May	36,453	32,519	3,711	0.61%	10.24%
	Jun	37,407	33,716	3,070	1.66%	8.35%
	Jul	36,192	31,308	2,559	6.42%	7.56%
	Aug	37,618	33,005	3,706	2.41%	10.09%
	Sep	37,319	33,483	3,218	1.65%	8.77%
	Oct	36,019	32,419	3,567	0.09%	9.91%
	Nov	37,194	33,614	2,830	2.01%	7.77%
	Dec	36,272	32,819	2,547	2.50%	7.20%

System Loss was calculated through a Load Flow Study conducted every month by the Planning department using DSAS software. Based on the same study, the Distribution System can adequately convey electricity to customers.



MWh Output is forecasted to grow at an average rate of 5.60% annually. In year 2025, sudden rise of energy is expected to happen because of a large load customer that is expected to operate during the said period.



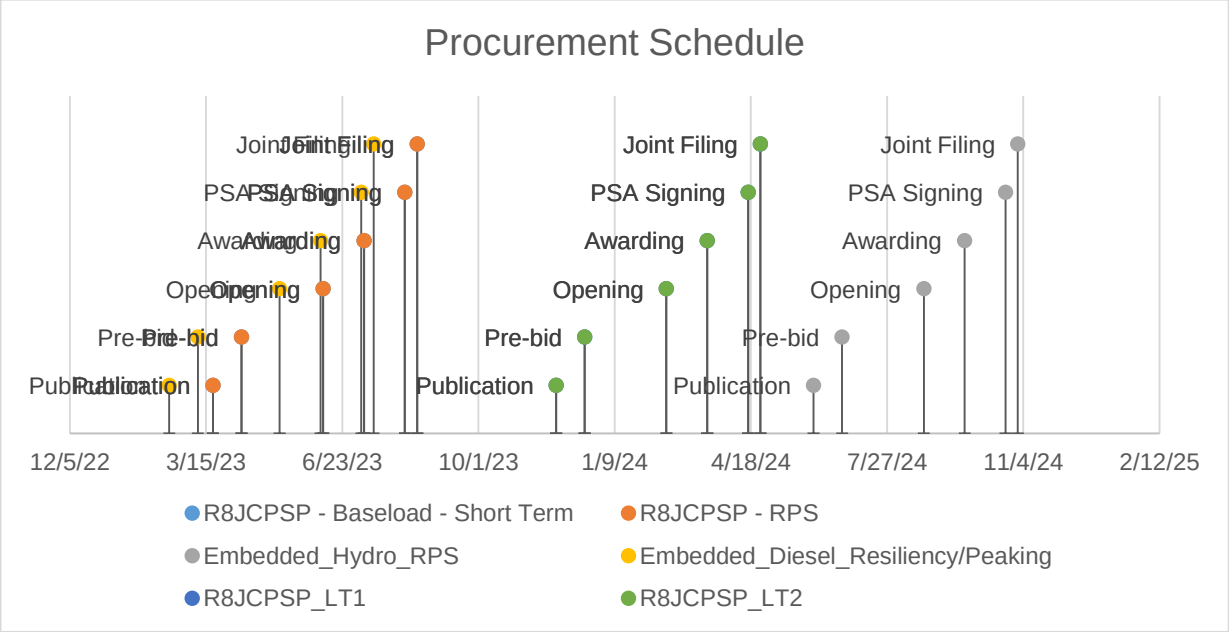
Transmission Loss is expected to be 0.09% - 23.78% while System Loss is expected to range from 6.59% to 10.39%.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
EPSA - FDCUI	Base	FDC Misamis Power Corporation	9.00	78,840	08/26/2023	08/25/2024
EPSA-FDCUI	Base	FDC Misamis Power Corporation	11.00	96,360	09/22/2023	09/21/2024
EPSA - GNPD	Base	GN Power Dinginin	20.00	122,640	09/22/2023	09/21/2024

LEYECO V engaged in EPSA with FDCMPC and GNPD for the supply requirement that was terminated by ERC due to Alyansa Case. LEYECO V together with other EC's in Region 8 conducted a Competitive Selection Process for the Short Term Baseload for 2024-2026 and RPS Requirement for 2024-2031. LEYECO V also recently concluded the CSP for the Long-Term power supply requirement of the cooperative thru the aggregation of the FRECOR 8 member EC's. LEYECO V has an on-going development of 2MW Bao Hydroelectric Power Project, an embedded generation project targetted to commence by January 2025.

	R8JCPSP - Baseload - Short Term	R8JCPSP - RPS	Embedded_Hydro_RPS	Embedded_Diesel_Resiliency/Peaking	R8JCPSP_LT1	R8JCPSP_LT2
Type	Base	Base	Base	Peaking	Base	Base
Minimum MW	3.00	2.00	2.00	2.00	28.00	3.50
Minimum MWh/yr	26,280	17,520	17,520	2,920	245,280	30,660
PSA Start	12/26/2023	12/26/2023	8/26/2025	7/26/2024	9/22/2024	12/26/2027
PSA End	12/25/2026	12/25/2031	8/25/2045	12/25/2043	12/25/2033	12/25/2033
Publication	3/20/2023	3/20/2023	6/3/2024	2/16/2023	11/27/2023	11/27/2023
Pre-bid	4/10/2023	4/10/2023	6/24/2024	3/9/2023	12/18/2023	12/18/2023
Opening	6/9/2023	6/9/2023	8/23/2024	5/8/2023	2/16/2024	2/16/2024
Awarding	7/9/2023	7/9/2023	9/22/2024	6/7/2023	3/17/2024	3/17/2024
PSA Signing	8/8/2023	8/8/2023	10/22/2024	7/7/2023	4/16/2024	4/16/2024
Joint Filing	8/17/2023	8/17/2023	10/31/2024	7/16/2023	4/25/2024	4/25/2024



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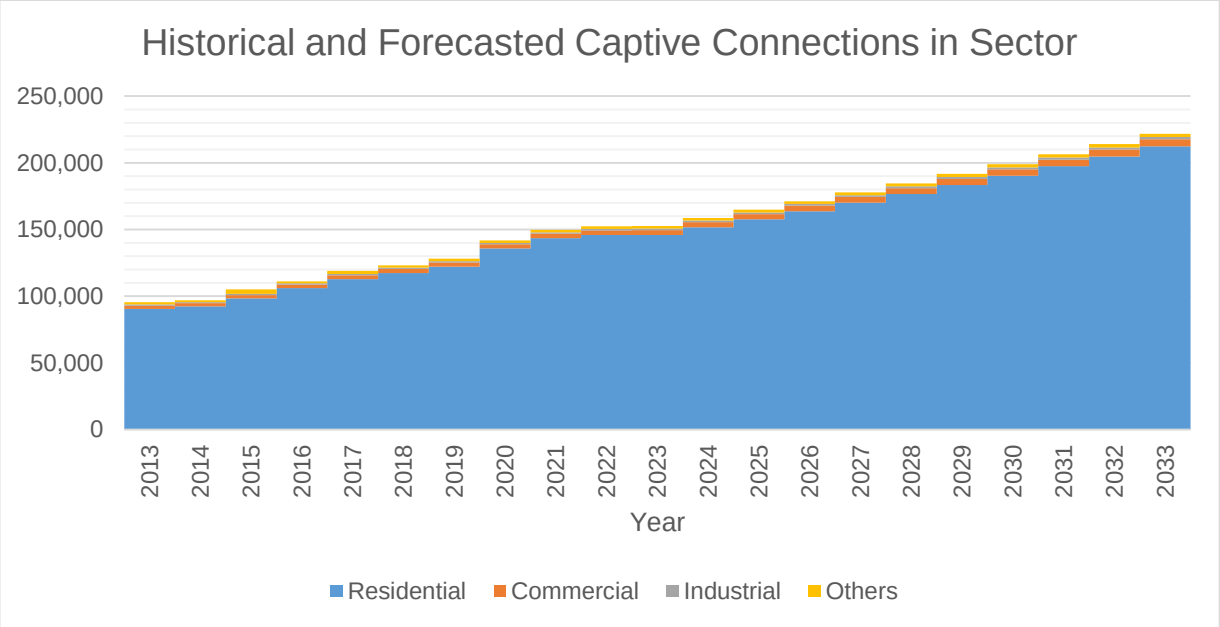
For the procurement of 3MW Base and 2MW RPS of supply which is planned to be available on December 26, 2023 and December 26, 2023 respectively, as well as the succeeding demand requirement, the first publication or launch of CSP together with other Region 8 EC's will be on March 20, 2023. Joint filing is planned on or before August 17, 2023, or 150 days later, in accordance with DOE's 2018 CSP Policy. The Embedded Hydro Project of LEYECO V was planned to be available this December 26, 2024 and the publication will be on June 16, 2023. We also have Embedded Diesel for Peaking Requirements targeted to be available this coming July 26, 2023 with publication date on February 16, 2023.

Captive Customer Connections



The number of Captive customer connections is forecasted to grow at an average rate of 2.57% from 2021 to 2031. Residential customers account for the bulk of energy sales due to the high number of connections.