

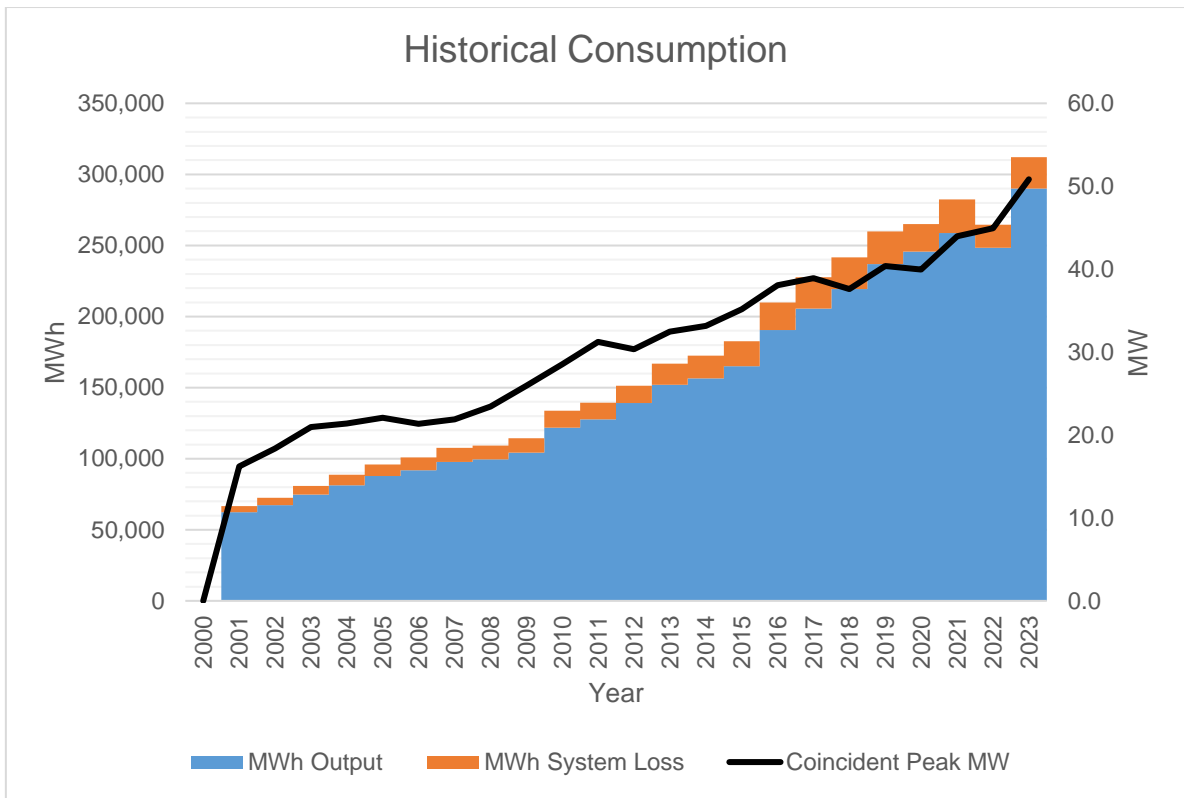
# **Power Supply Procurement Plan 2024**

**CEBU I ELECTRIC COOPERATIVE, INC.**

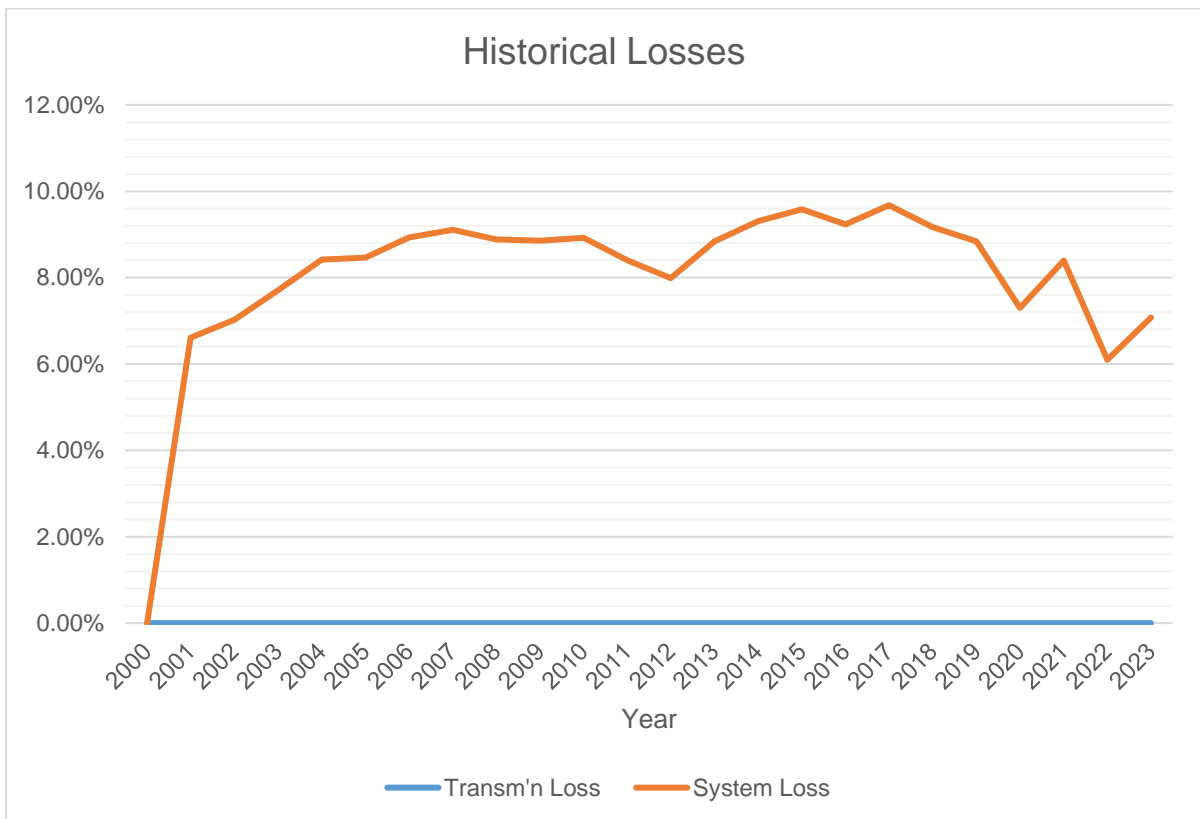
## Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	0.00	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2001	16.21	66,772	0	66,772	62,360	4,412	47%	0.00%	0.00%	6.61%
2002	18.39	72,435	0	72,435	67,347	5,088	45%	0.00%	0.00%	7.02%
2003	20.97	80,931	0	80,931	74,693	6,238	44%	0.00%	0.00%	7.71%
2004	21.38	88,701	0	88,701	81,233	7,467	47%	0.00%	0.00%	8.42%
2005	22.07	95,968	0	95,968	87,845	8,123	50%	0.00%	0.00%	8.46%
2006	21.34	100,993	0	100,993	91,976	9,017	54%	0.00%	0.00%	8.93%
2007	21.88	107,615	0	107,615	97,815	9,800	56%	0.00%	0.00%	9.11%
2008	23.42	109,186	0	109,186	99,482	9,704	53%	0.00%	0.00%	8.89%
2009	25.92	114,353	0	114,353	104,226	10,127	50%	0.00%	0.00%	8.86%
2010	28.51	133,738	0	133,738	121,808	11,929	54%	0.00%	0.00%	8.92%
2011	31.23	139,493	0	139,493	127,776	11,718	51%	0.00%	0.00%	8.40%
2012	30.35	151,289	21,541	151,289	139,202	12,087	57%	0.00%	0.00%	7.99%
2013	32.45	166,765	15,835	166,765	152,019	14,746	59%	0.00%	0.00%	8.84%
2014	33.18	172,482	-19,283	172,482	156,434	16,048	59%	0.00%	0.00%	9.30%
2015	35.16	182,531	25,008	182,531	165,040	17,492	59%	0.00%	0.00%	9.58%
2016	38.06	209,850	51,512	209,850	190,478	19,372	63%	0.00%	0.00%	9.23%
2017	38.90	227,731	46,761	227,731	205,694	22,037	67%	0.00%	0.00%	9.68%
2018	37.60	241,532	32,916	241,532	219,394	22,138	73%	0.00%	0.00%	9.17%
2019	40.40	259,951	50,126	259,951	236,979	22,973	73%	0.00%	0.00%	8.84%
2020	39.95	264,997	12,034	264,997	245,658	19,339	76%	0.00%	0.00%	7.30%
2021	43.98	282,401	26,562	282,401	258,683	23,718	73%	0.00%	0.00%	8.40%
2022	44.94	264,550	44,094	264,550	248,410	16,140	67%	0.00%	0.00%	6.10%
2023	50.84	312,130	100,360	312,130	290,039	22,091	70%	0.00%	0.00%	7.08%

Peak Demand increased from 16.21 MW in 2001 to 50.84 MW in 2023 at a rate of 5.47% due to the increase in the number of residential consumers within the area and various developments in terms of industrial, commercial and others. Peak demand had a slight decrease in year 2020 due to the effect brought about by the COVID-19 pandemic which affected various commercial and industrial establishments. MWh Offtake increased from 66,772 MWh in 2001 to 312,130 MWh in 2023 at a rate of 7.39% due to the increase in the number of Residential Customers including the rise in the consumption of the DU's Contestable Customers despite the implementation of Retail Competition and Open Access which opted the Contestable Customers previously served by the DU to switch to Retail Electricity Supplier. Within the same period, Load Factor ranged from 47% to 76%. There was an abrupt change in consumption on 2010 due to the implementation of various Electrification Projects which aims on energizing far flung sitios which benefited a lot of households and later on create the rise in the consumption of Residential Customers.

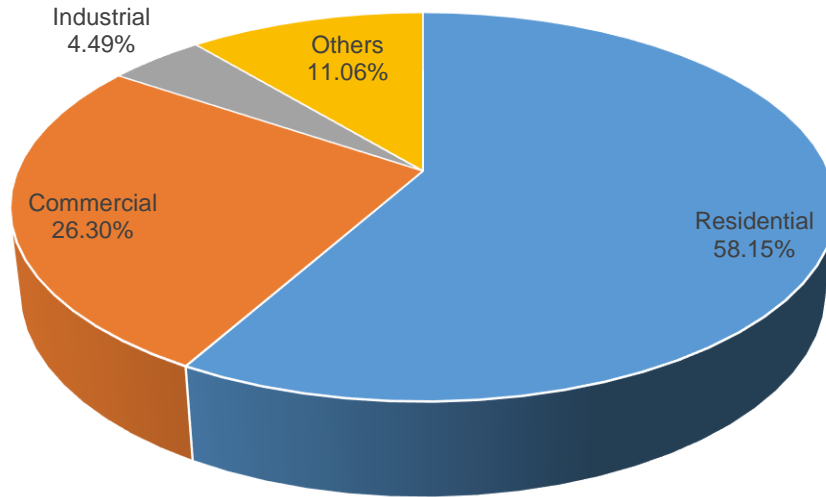


MWh Output increased from year 2001 to year 2023 at a rate of 7.34%, while MWh System Loss increased at an average rate of 8.59% within the same period.



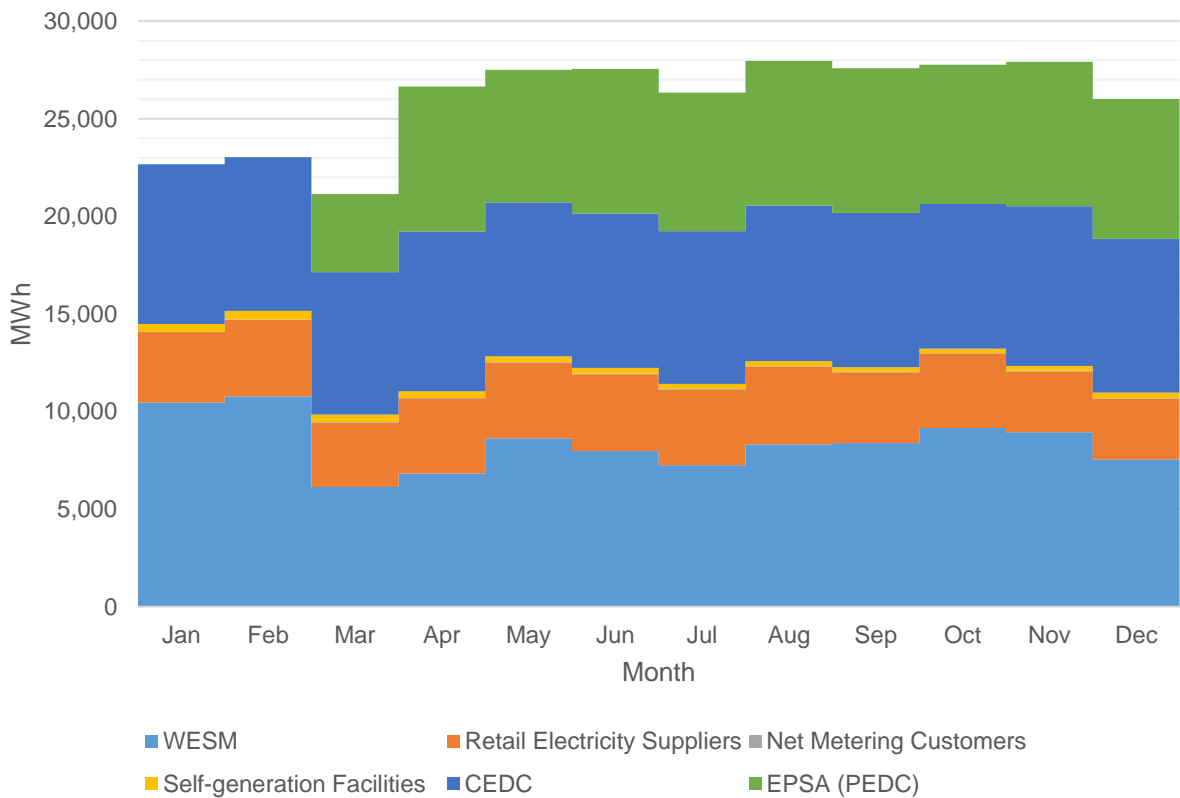
Historically, Transmission Loss remains at 0% while System Loss ranged from 6.10% to 9.68%. System Loss peaked at 9.68% in the year 2017 because of various factors that contributed to the rise of distribution system loss. In previous years from 2019 up to 2021, there are months where Non-Technical Losses turn out negative due to an abnormal billing period due to adverse weather conditions that hinders in meter reading and billing.

### Previous Year's Shares of Energy Sales

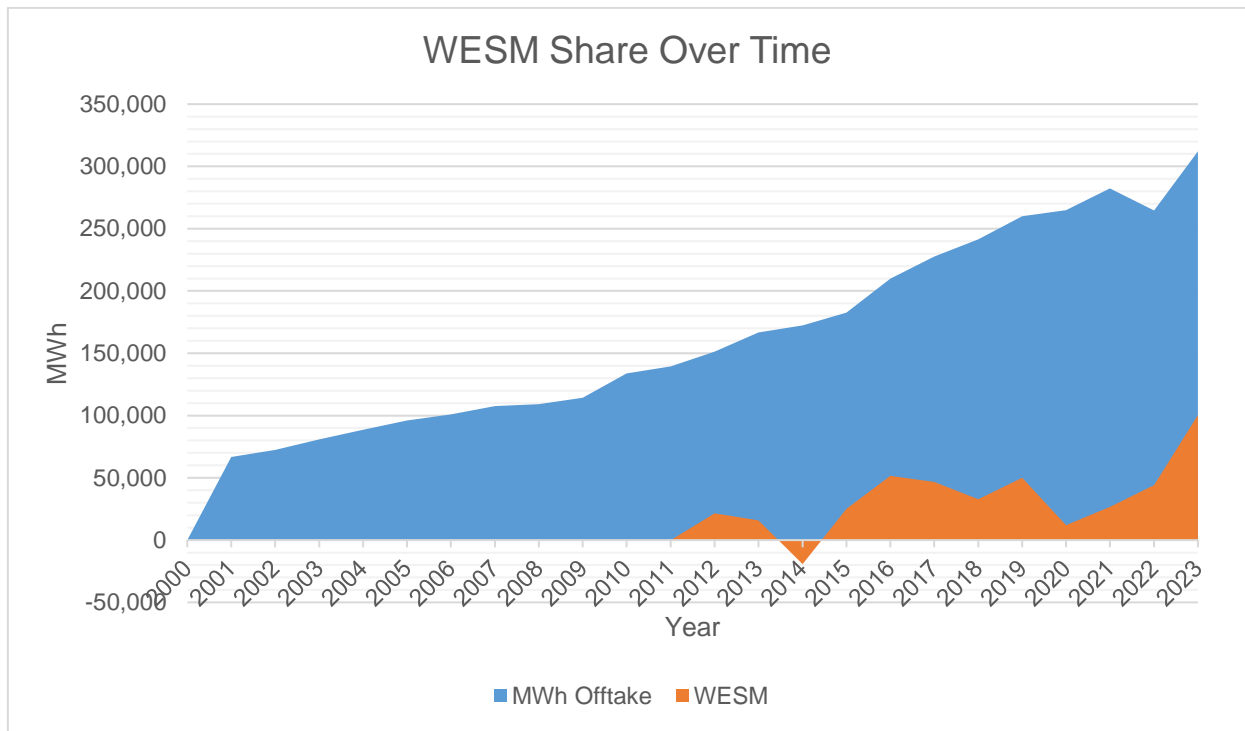


Residential customers account for the bulk of energy sales at 58.15% due to the high number of connections. In contrast, Industrial customers accounted for only 4.49% of energy sales due to the low number of connections. The dominance of residential sales over the others in the system has further increased by the year 2020 during COVID-19 pandemic where people stayed at home and various industrial and commercial establishments were temporarily closed. Customers referred as "Others" pertain to Public Buildings and Street Lights.

### MWh Offtake for Last Historical Year

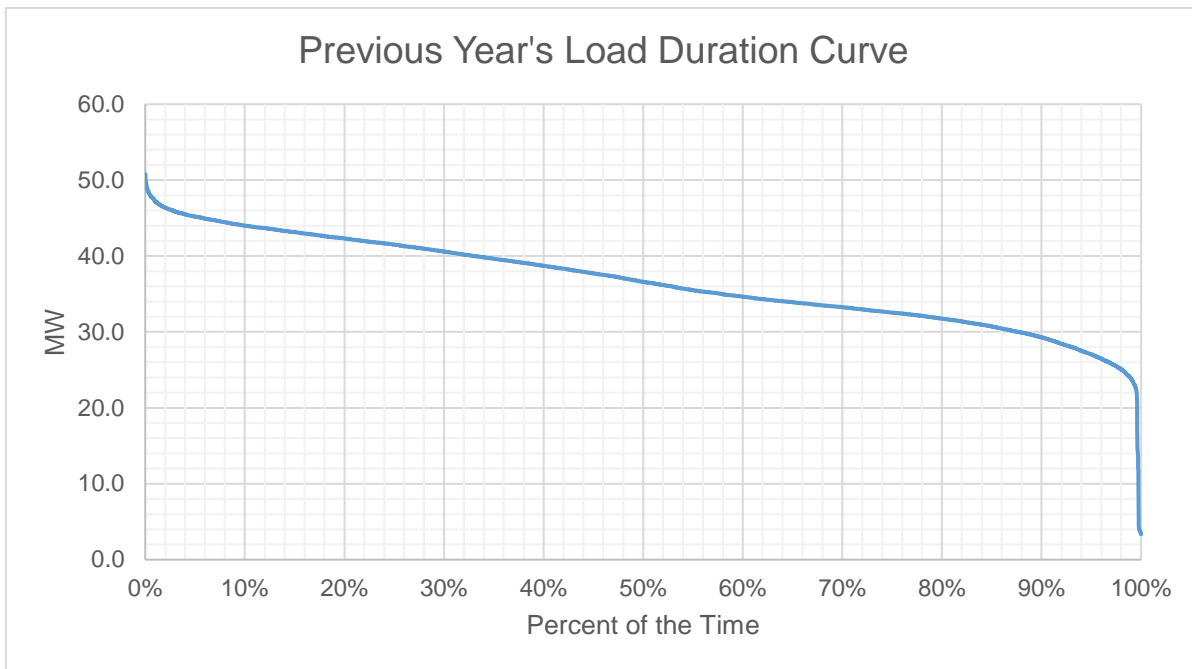


For CEDC supply, the total Offtake during the historical year is lower than the quantity stipulated in the PSA due to BCQ nominations as provided in the PSA. Furthermore, the PSA with CEDC accounts for the bulk of MWh Offtake.

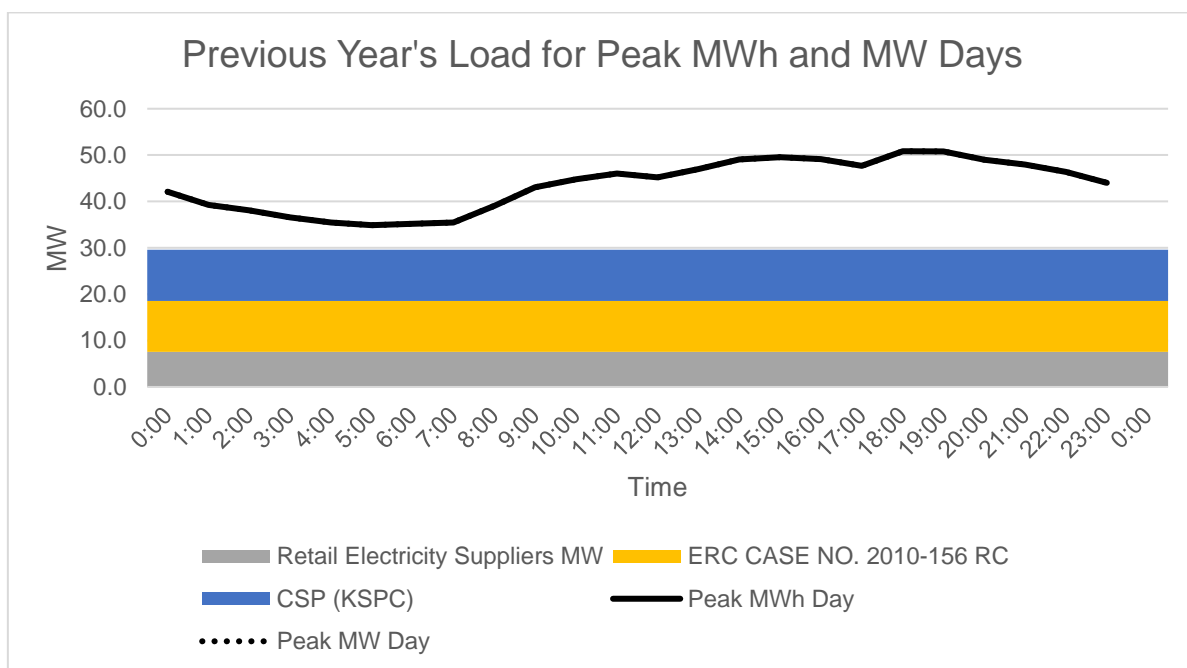


WESM Offtake increased from 50,126 MWh in 2019 to 100,360 MWh in 2023 at a rate of 58.13% due to the expiry of power supply contract with KSPC even if CEBECO I has managed to secure a 10MW EPSA with PEDC. Resulted to higher exposure to WESM during the times where both expiry of contract with KSPC and the processing of the EPSA occur. The share of WESM in the total Offtake ranged from 4.54% to 32.15%. The net WESM transaction is negative in year 2014 due to energy trading strategies within the contract provision.

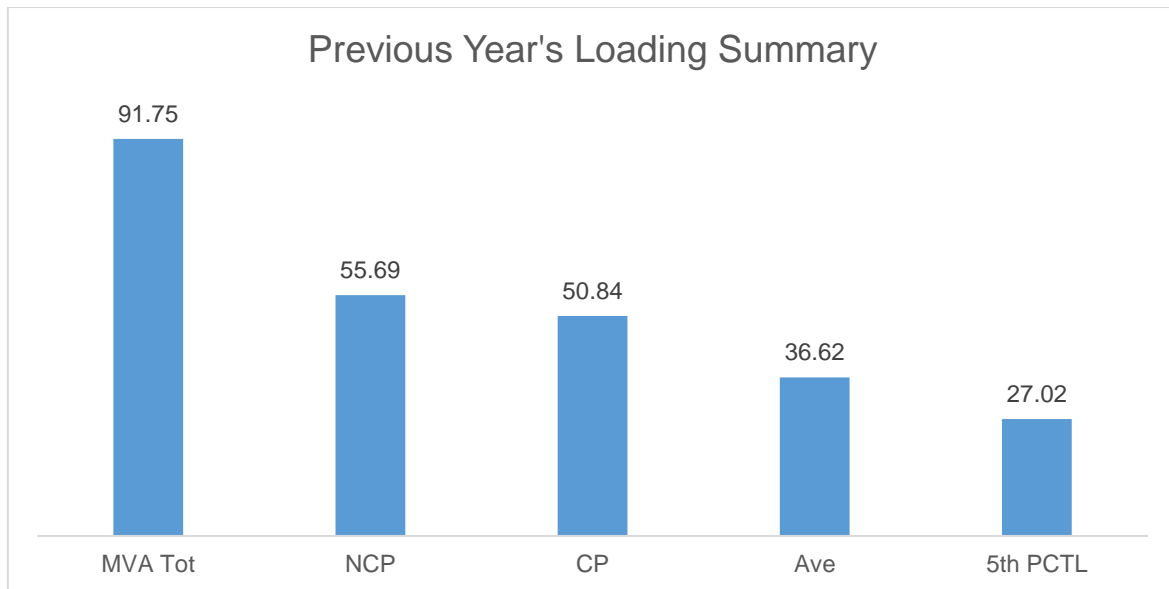
## Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 3.36 MW and the maximum load is 50.84 MW for the historical year.



Peak MW and Peak MWh both occurred at 6:00 pm on November 3, 2023. The load curves described are not shown in the graph instead only the supply.



The Non-Coincident Peak Demand is 55.69 MW, which is around 60.70% of the total substation capacity of 91.75 MVA at a power factor of 0.85. The load factor or the ratio between the Average Load of 36.62 MW and the Non-Coincident Peak Demand is 65.76%. A safe estimate of the true minimum load is the fifth percentile load of 27.02 MW which is 48.52% of the Non-Coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
CEB101	20	14.974
CEB103	10	4.368
CEB104	5	4.872
CEB105	5	2.974
CEB108	3.75	1.022
CEB109	10	7.728
CEB110	10	7.364
CEB112	10	5.628
PMSC	3	1.003
CEB113	10	5.762

The substations loaded at above 70% are CEB101, CEB104, CEB109 and CEB110. This loading problem in CEB101 will be solved by the additional 10MVA proposed substation in Dumanjug, the same as the loading problem in CEB109 which will be solved by the new 10 MVA substation in Oslob. On the other hand, loading problem of CEB104 and CEB110 will be solved upon the completion of the ongoing uprating of CEB104 to 10MVA 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	46.37	11.00	11.00	0.000	7.58	28%	57%	-16.79
	Feb	42.86	11.00	11.00	0.000	7.67	31%	63%	-13.19
	Mar	43.63	11.00	11.00	0.000	7.44	30%	61%	-14.18
	Apr	47.05	11.00	11.00	0.000	7.45	28%	56%	-17.60
	May	49.17	11.00	11.00	0.000	7.41	26%	53%	-19.76
	Jun	48.91	11.00	11.00	0.000	7.44	27%	53%	-19.48
	Jul	48.04	11.00	11.00	0.000	7.30	27%	54%	-18.74
	Aug	48.29	11.00	11.00	0.000	7.67	27%	54%	-18.62
	Sep	48.21	11.00	11.00	0.000	7.50	27%	54%	-18.71
	Oct	49.86	11.00	11.00	0.000	7.64	26%	52%	-20.22
	Nov	52.27	11.00	11.00	0.000	7.43	25%	49%	-22.83
	Dec	49.99	11.00	11.00	0.000	7.97	26%	52%	-20.02
2025	Jan	49.85	11.00	11.00	8.500	7.58	26%	72%	-11.76
	Feb	46.34	11.00	11.00	8.500	7.67	28%	79%	-8.17
	Mar	47.10	11.00	11.00	8.500	7.44	28%	77%	-9.16
	Apr	50.53	11.00	11.00	8.500	7.45	26%	71%	-12.58
	May	52.65	11.00	11.00	8.500	7.41	24%	67%	-14.74
	Jun	52.39	11.00	11.00	8.500	7.44	24%	68%	-14.45
	Jul	51.52	11.00	11.00	8.500	7.30	25%	69%	-13.72
	Aug	51.77	11.00	11.00	8.500	7.67	25%	69%	-13.60
	Sep	51.68	11.00	11.00	8.500	7.50	25%	69%	-13.69
	Oct	53.33	11.00	11.00	8.500	7.64	24%	67%	-15.20
	Nov	55.74	11.00	11.00	8.500	7.43	23%	63%	-17.81
	Dec	53.47	11.00	11.00	8.500	7.97	24%	67%	-15.00
2026	Jan	53.72	11.00	11.00	8.500	7.58	24%	66%	-15.64
	Feb	50.21	11.00	11.00	8.500	7.67	26%	72%	-12.04
	Mar	50.98	0.00	11.00	23.500	7.44	0%	79%	-9.04
	Apr	54.40	0.00	11.00	23.500	7.45	0%	73%	-12.45

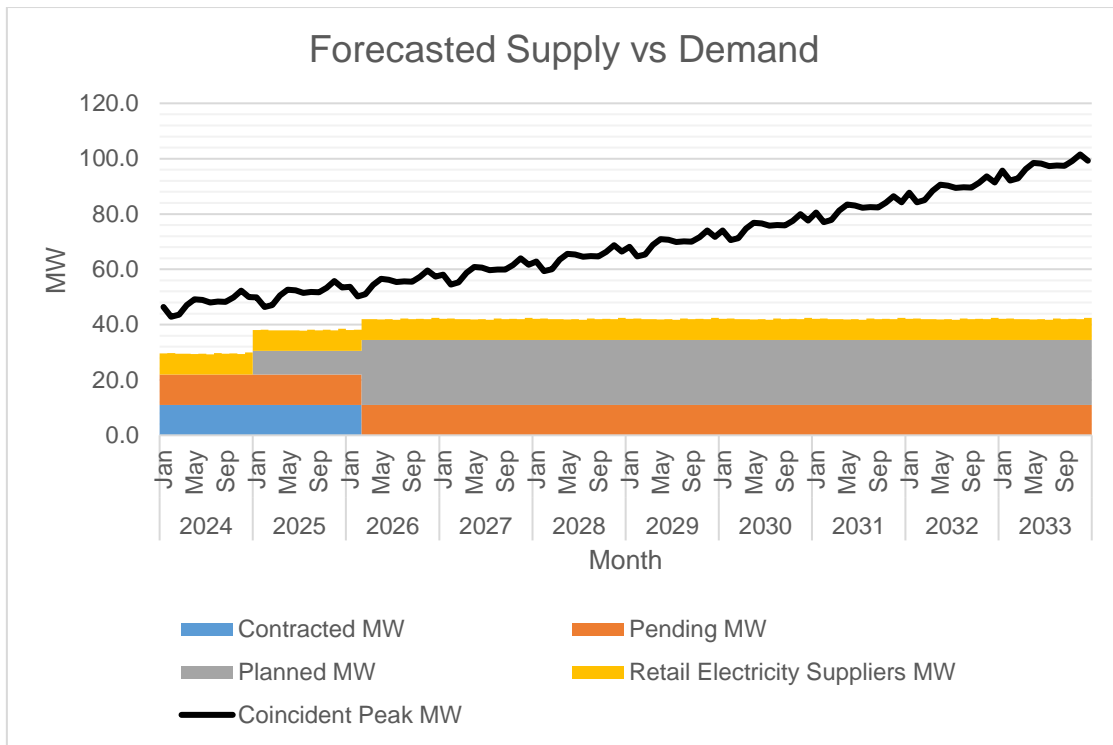


	May	56.52	0.00	11.00	23.500	7.41	0%	70%	-14.61
	Jun	56.27	0.00	11.00	23.500	7.44	0%	71%	-14.33
	Jul	55.39	0.00	11.00	23.500	7.30	0%	72%	-13.59
	Aug	55.65	0.00	11.00	23.500	7.67	0%	72%	-13.48
	Sep	55.56	0.00	11.00	23.500	7.50	0%	72%	-13.56
	Oct	57.21	0.00	11.00	23.500	7.64	0%	70%	-15.07
	Nov	59.62	0.00	11.00	23.500	7.43	0%	66%	-17.69
	Dec	57.34	0.00	11.00	23.500	7.97	0%	70%	-14.88
2027	Jan	58.04	0.00	11.00	23.500	7.58	0%	68%	-15.95
	Feb	54.52	0.00	11.00	23.500	7.67	0%	74%	-12.36
	Mar	55.29	0.00	11.00	23.500	7.44	0%	72%	-13.35
	Apr	58.71	0.00	11.00	23.500	7.45	0%	67%	-16.77
	May	60.84	0.00	11.00	23.500	7.41	0%	65%	-18.92
	Jun	60.58	0.00	11.00	23.500	7.44	0%	65%	-18.64
	Jul	59.70	0.00	11.00	23.500	7.30	0%	66%	-17.91
	Aug	59.96	0.00	11.00	23.500	7.67	0%	66%	-17.79
	Sep	59.87	0.00	11.00	23.500	7.50	0%	66%	-17.88
	Oct	61.52	0.00	11.00	23.500	7.64	0%	64%	-19.39
	Nov	63.93	0.00	11.00	23.500	7.43	0%	61%	-22.00
	Dec	61.66	0.00	11.00	23.500	7.97	0%	64%	-19.19
2028	Jan	62.83	0.00	11.00	23.500	7.58	0%	62%	-20.75
	Feb	59.32	0.00	11.00	23.500	7.67	0%	67%	-17.16
	Mar	60.09	0.00	11.00	23.500	7.44	0%	66%	-18.15
	Apr	63.51	0.00	11.00	23.500	7.45	0%	62%	-21.56
	May	65.63	0.00	11.00	23.500	7.41	0%	59%	-23.72
	Jun	65.38	0.00	11.00	23.500	7.44	0%	60%	-23.44
	Jul	64.50	0.00	11.00	23.500	7.30	0%	60%	-22.71
	Aug	64.76	0.00	11.00	23.500	7.67	0%	60%	-22.59
	Sep	64.67	0.00	11.00	23.500	7.50	0%	60%	-22.68
	Oct	66.32	0.00	11.00	23.500	7.64	0%	59%	-24.19
	Nov	68.73	0.00	11.00	23.500	7.43	0%	56%	-26.80
	Dec	66.45	0.00	11.00	23.500	7.97	0%	59%	-23.99
2029	Jan	68.16	0.00	11.00	23.500	7.58	0%	57%	-26.08

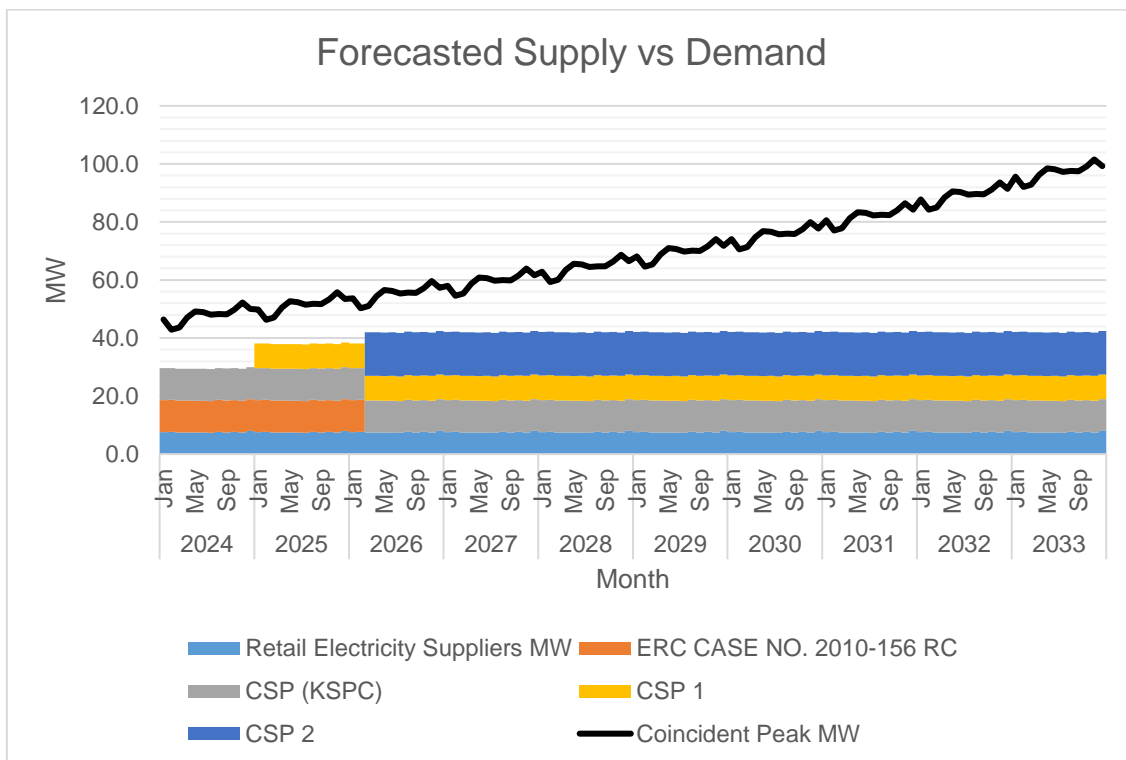
	Feb	64.65	0.00	11.00	23.500	7.67	0%	61%	-22.48
	Mar	65.42	0.00	11.00	23.500	7.44	0%	60%	-23.48
	Apr	68.84	0.00	11.00	23.500	7.45	0%	56%	-26.89
	May	70.96	0.00	11.00	23.500	7.41	0%	54%	-29.05
	Jun	70.70	0.00	11.00	23.500	7.44	0%	55%	-28.77
	Jul	69.83	0.00	11.00	23.500	7.30	0%	55%	-28.03
	Aug	70.09	0.00	11.00	23.500	7.67	0%	55%	-27.92
	Sep	70.00	0.00	11.00	23.500	7.50	0%	55%	-28.00
	Oct	71.65	0.00	11.00	23.500	7.64	0%	54%	-29.51
	Nov	74.06	0.00	11.00	23.500	7.43	0%	52%	-32.13
	Dec	71.78	0.00	11.00	23.500	7.97	0%	54%	-29.32
2030	Jan	74.06	0.00	11.00	23.500	7.58	0%	52%	-31.98
	Feb	70.55	0.00	11.00	23.500	7.67	0%	55%	-28.38
	Mar	71.32	0.00	11.00	23.500	7.44	0%	54%	-29.37
	Apr	74.74	0.00	11.00	23.500	7.45	0%	51%	-32.79
	May	76.86	0.00	11.00	23.500	7.41	0%	50%	-34.95
	Jun	76.60	0.00	11.00	23.500	7.44	0%	50%	-34.67
	Jul	75.73	0.00	11.00	23.500	7.30	0%	50%	-33.93
	Aug	75.98	0.00	11.00	23.500	7.67	0%	51%	-33.81
	Sep	75.90	0.00	11.00	23.500	7.50	0%	50%	-33.90
	Oct	77.55	0.00	11.00	23.500	7.64	0%	49%	-35.41
	Nov	79.96	0.00	11.00	23.500	7.43	0%	48%	-38.02
	Dec	77.68	0.00	11.00	23.500	7.97	0%	49%	-35.21
2031	Jan	80.57	0.00	11.00	23.500	7.58	0%	47%	-38.49
	Feb	77.06	0.00	11.00	23.500	7.67	0%	50%	-34.90
	Mar	77.83	0.00	11.00	23.500	7.44	0%	49%	-35.89
	Apr	81.25	0.00	11.00	23.500	7.45	0%	47%	-39.30
	May	83.37	0.00	11.00	23.500	7.41	0%	45%	-41.46
	Jun	83.12	0.00	11.00	23.500	7.44	0%	46%	-41.18
	Jul	82.24	0.00	11.00	23.500	7.30	0%	46%	-40.45
	Aug	82.50	0.00	11.00	23.500	7.67	0%	46%	-40.33
	Sep	82.41	0.00	11.00	23.500	7.50	0%	46%	-40.42
	Oct	84.06	0.00	11.00	23.500	7.64	0%	45%	-41.93

	Nov	86.47	0.00	11.00	23.500	7.43	0%	44%	-44.54
	Dec	84.19	0.00	11.00	23.500	7.97	0%	45%	-41.73
2032	Jan	87.75	0.00	11.00	23.500	7.58	0%	43%	-45.67
	Feb	84.24	0.00	11.00	23.500	7.67	0%	45%	-42.07
	Mar	85.01	0.00	11.00	23.500	7.44	0%	44%	-43.06
	Apr	88.43	0.00	11.00	23.500	7.45	0%	43%	-46.48
	May	90.55	0.00	11.00	23.500	7.41	0%	41%	-48.64
	Jun	90.29	0.00	11.00	23.500	7.44	0%	42%	-48.36
	Jul	89.42	0.00	11.00	23.500	7.30	0%	42%	-47.62
	Aug	89.67	0.00	11.00	23.500	7.67	0%	42%	-47.50
	Sep	89.59	0.00	11.00	23.500	7.50	0%	42%	-47.59
	Oct	91.24	0.00	11.00	23.500	7.64	0%	41%	-49.10
	Nov	93.65	0.00	11.00	23.500	7.43	0%	40%	-51.71
	Dec	91.37	0.00	11.00	23.500	7.97	0%	41%	-48.90
2033	Jan	95.63	0.00	11.00	23.500	7.58	0%	39%	-53.54
	Feb	92.12	0.00	11.00	23.500	7.67	0%	41%	-49.95
	Mar	92.88	0.00	11.00	23.500	7.44	0%	40%	-50.94
	Apr	96.31	0.00	11.00	23.500	7.45	0%	39%	-54.36
	May	98.43	0.00	11.00	23.500	7.41	0%	38%	-56.52
	Jun	98.17	0.00	11.00	23.500	7.44	0%	38%	-56.23
	Jul	97.30	0.00	11.00	23.500	7.30	0%	38%	-55.50
	Aug	97.55	0.00	11.00	23.500	7.67	0%	38%	-55.38
	Sep	97.46	0.00	11.00	23.500	7.50	0%	38%	-55.47
	Oct	99.11	0.00	11.00	23.500	7.64	0%	38%	-56.98
	Nov	101.52	0.00	11.00	23.500	7.43	0%	37%	-59.59
	Dec	99.25	0.00	11.00	23.500	7.97	0%	38%	-56.78

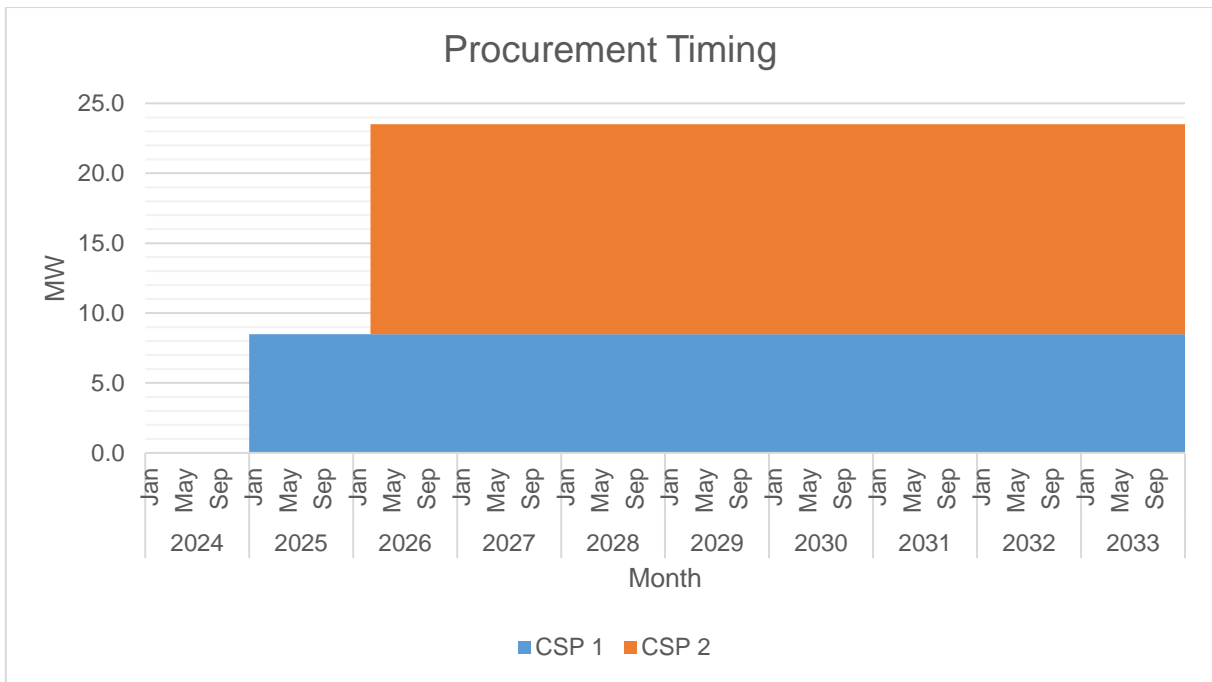
The Peak Demand was forecasted using forecasting models and was assumed to occur on the month of November. Monthly Peak Demand is at its lowest on the month of February. In general, Peak Demand is expected to grow at a rate of 7.66% annually.



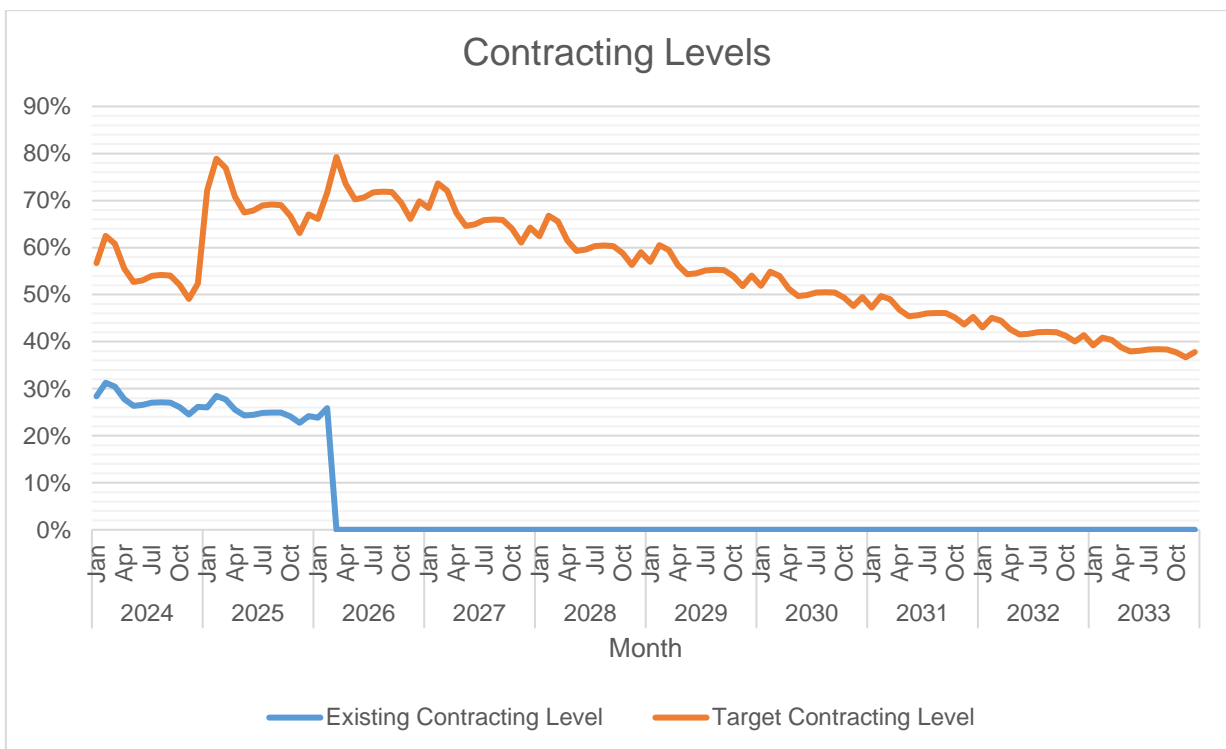
The available supply is generally below the Peak Demand. This is because of the contracted supply which is chosen to be just adequate for base load.



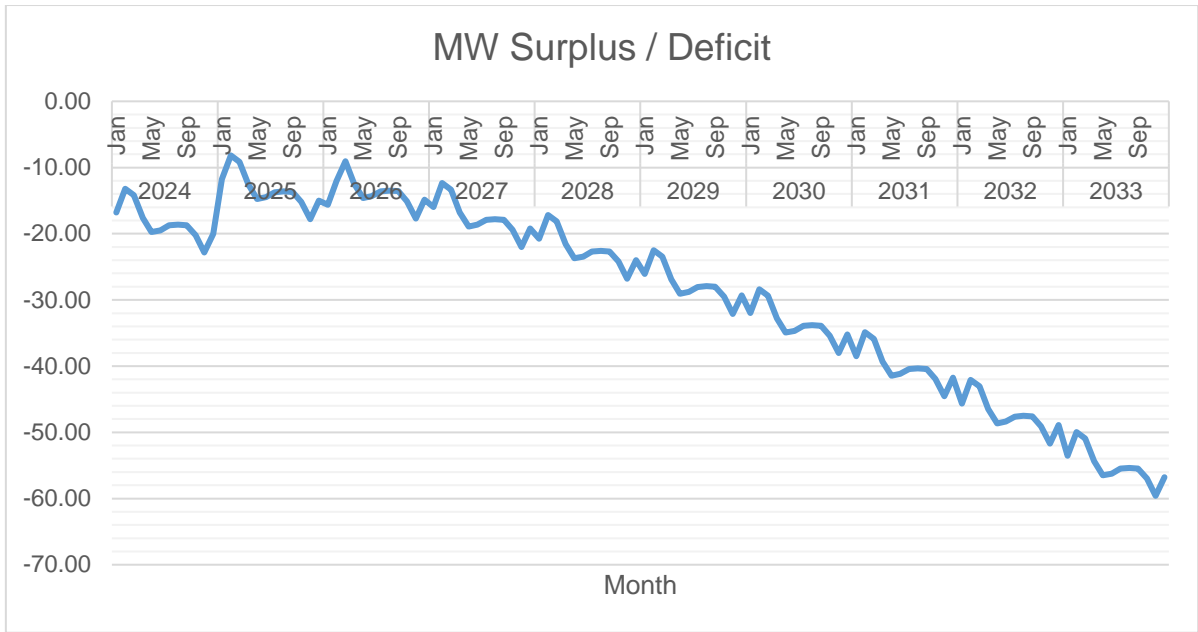
Of the available supply, the largest is 11 MW from ERC Case No. 2010-156 RC (CEDC). This will be followed by the successfully conducted CSP but ongoing PSA approval for another 11MW supply from KSPC. There was also a contract of 10 MW supply with PEDC for the EPSA (Emergency Power Supply Agreement) but expired last year. There is a planned CSP as well this year for another 8.5MW of power supply contract and a planned CSP by 2025 for a 15MW power supply requirement.



The planned PSA for 11MW last year has conducted its successful CSP and is still ongoing for the processing of the PSA approval. On the other hand, this will be followed by CSP for another 8.5 MW which will be available by December 2024 and another planned CSP for another 15 MW which will be available by March 2026.



Currently, there is under-contracting by 58.69%. The highest target contracting level is over 79% which is expected to occur on year 2025. The lowest target contracting level is 37% which is expected to occur on year 2033.



Currently, there is under-contracting by 29.84 MW. The highest deficit is 59.59 MW which is assumed to occur on the month of November 2033. The lowest deficit is 8.17 MW which is assumed to occur on the month of February 2025.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2024	Jan	24,964	21,564	3,400	0.00%	13.62%
	Feb	25,305	23,108	2,197	0.00%	8.68%
	Mar	24,002	23,508	495	0.00%	2.06%
	Apr	27,471	26,717	754	0.00%	2.75%
	May	28,035	26,147	1,888	0.00%	6.73%
	Jun	27,719	25,572	2,147	0.00%	7.75%
	Jul	27,473	26,481	992	0.00%	3.61%
	Aug	28,185	26,108	2,077	0.00%	7.37%
	Sep	28,772	27,362	1,410	0.00%	4.90%
	Oct	28,949	27,952	997	0.00%	3.44%
	Nov	27,483	25,701	1,782	0.00%	6.49%
	Dec	27,123	25,450	1,674	0.00%	6.17%
2025	Jan	26,369	22,830	3,539	0.00%	13.42%
	Feb	26,729	24,469	2,260	0.00%	8.45%
	Mar	25,353	24,915	438	0.00%	1.73%
	Apr	29,017	28,323	694	0.00%	2.39%
	May	29,612	27,721	1,892	0.00%	6.39%
	Jun	29,279	27,108	2,170	0.00%	7.41%
	Jul	29,019	28,060	959	0.00%	3.30%
	Aug	29,771	27,666	2,105	0.00%	7.07%
	Sep	30,392	29,024	1,368	0.00%	4.50%
	Oct	30,578	29,636	942	0.00%	3.08%
	Nov	29,030	27,301	1,729	0.00%	5.96%
	Dec	28,650	27,041	1,609	0.00%	5.61%
2026	Jan	27,888	24,183	3,705	0.00%	13.28%
	Feb	28,269	25,924	2,344	0.00%	8.29%
	Mar	26,814	26,416	397	0.00%	1.48%
	Apr	30,689	30,037	652	0.00%	2.12%

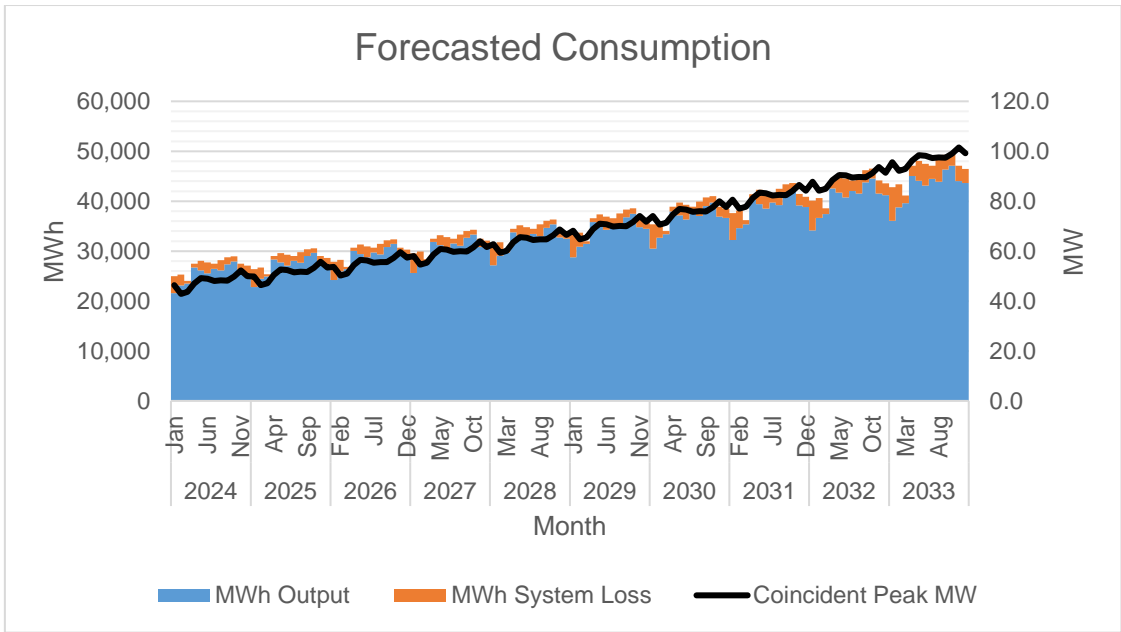
	May	31,318	29,400	1,918	0.00%	6.12%
	Jun	30,965	28,748	2,217	0.00%	7.16%
	Jul	30,691	29,743	948	0.00%	3.09%
	Aug	31,486	29,328	2,158	0.00%	6.85%
	Sep	32,142	30,797	1,345	0.00%	4.19%
	Oct	32,340	31,431	909	0.00%	2.81%
	Nov	30,702	29,010	1,692	0.00%	5.51%
	Dec	30,300	28,741	1,559	0.00%	5.15%
2027	Jan	29,533	25,623	3,910	0.00%	13.24%
	Feb	29,937	27,473	2,464	0.00%	8.23%
	Mar	28,396	28,011	385	0.00%	1.35%
	Apr	32,500	31,858	642	0.00%	1.98%
	May	33,166	31,185	1,981	0.00%	5.97%
	Jun	32,793	30,491	2,302	0.00%	7.02%
	Jul	32,502	31,529	973	0.00%	2.99%
	Aug	33,344	31,094	2,250	0.00%	6.75%
	Sep	34,039	32,681	1,358	0.00%	3.99%
	Oct	34,248	33,338	910	0.00%	2.66%
	Nov	32,514	30,827	1,687	0.00%	5.19%
	Dec	32,088	30,549	1,539	0.00%	4.80%
2028	Jan	31,319	27,150	4,169	0.00%	13.31%
	Feb	31,746	29,116	2,631	0.00%	8.29%
	Mar	30,112	29,701	412	0.00%	1.37%
	Apr	34,464	33,785	679	0.00%	1.97%
	May	35,171	33,076	2,095	0.00%	5.96%
	Jun	34,775	32,336	2,438	0.00%	7.01%
	Jul	34,466	33,420	1,046	0.00%	3.04%
	Aug	35,359	32,964	2,395	0.00%	6.77%
	Sep	36,096	34,677	1,419	0.00%	3.93%
	Oct	36,318	35,356	962	0.00%	2.65%
	Nov	34,479	32,753	1,726	0.00%	5.00%
	Dec	34,028	32,465	1,563	0.00%	4.59%
2029	Jan	33,256	28,764	4,492	0.00%	13.51%
	Feb	33,710	30,852	2,858	0.00%	8.48%
	Mar	31,975	31,485	490	0.00%	1.53%
	Apr	36,596	35,820	776	0.00%	2.12%
	May	37,346	35,073	2,274	0.00%	6.09%
	Jun	36,926	34,285	2,640	0.00%	7.15%
	Jul	36,598	35,415	1,183	0.00%	3.23%
	Aug	37,547	34,939	2,608	0.00%	6.95%
	Sep	38,329	36,784	1,545	0.00%	4.03%
	Oct	38,565	37,485	1,079	0.00%	2.80%
	Nov	36,612	34,788	1,824	0.00%	4.98%
	Dec	36,133	34,489	1,644	0.00%	4.55%
2030	Jan	35,358	30,465	4,892	0.00%	13.84%
	Feb	35,841	32,683	3,158	0.00%	8.81%
	Mar	33,996	33,364	632	0.00%	1.86%
	Apr	38,909	37,962	947	0.00%	2.43%
	May	39,707	37,174	2,533	0.00%	6.38%
	Jun	39,260	36,337	2,922	0.00%	7.44%
	Jul	38,911	37,516	1,395	0.00%	3.59%

	Aug	39,920	37,018	2,901	0.00%	7.27%
	Sep	40,752	39,001	1,751	0.00%	4.30%
	Oct	41,002	39,726	1,276	0.00%	3.11%
	Nov	38,926	36,930	1,995	0.00%	5.13%
	Dec	38,416	36,620	1,797	0.00%	4.68%
2031	Jan	37,637	32,254	5,383	0.00%	14.30%
	Feb	38,151	34,607	3,544	0.00%	9.29%
	Mar	36,188	35,339	849	0.00%	2.35%
	Apr	41,417	40,212	1,206	0.00%	2.91%
	May	42,267	39,381	2,885	0.00%	6.83%
	Jun	41,790	38,492	3,298	0.00%	7.89%
	Jul	41,420	39,722	1,698	0.00%	4.10%
	Aug	42,493	39,203	3,291	0.00%	7.74%
	Sep	43,379	41,329	2,050	0.00%	4.73%
	Oct	43,646	42,078	1,568	0.00%	3.59%
	Nov	41,435	39,181	2,255	0.00%	5.44%
	Dec	40,893	38,858	2,035	0.00%	4.98%
2032	Jan	40,107	34,130	5,976	0.00%	14.90%
	Feb	40,655	36,625	4,029	0.00%	9.91%
	Mar	38,562	37,409	1,153	0.00%	2.99%
	Apr	44,135	42,568	1,567	0.00%	3.55%
	May	45,040	41,694	3,346	0.00%	7.43%
	Jun	44,532	40,750	3,783	0.00%	8.49%
	Jul	44,138	42,034	2,104	0.00%	4.77%
	Aug	45,281	41,492	3,790	0.00%	8.37%
	Sep	46,225	43,766	2,459	0.00%	5.32%
	Oct	46,509	44,540	1,969	0.00%	4.23%
	Nov	44,154	41,538	2,616	0.00%	5.92%
	Dec	43,576	41,203	2,373	0.00%	5.45%
2033	Jan	42,779	36,094	6,684	0.00%	15.63%
	Feb	43,363	38,738	4,625	0.00%	10.67%
	Mar	41,131	39,575	1,557	0.00%	3.78%
	Apr	47,076	45,032	2,044	0.00%	4.34%
	May	48,041	44,111	3,930	0.00%	8.18%
	Jun	47,500	43,110	4,389	0.00%	9.24%
	Jul	47,078	44,451	2,627	0.00%	5.58%
	Aug	48,298	43,885	4,413	0.00%	9.14%
	Sep	49,305	46,313	2,992	0.00%	6.07%
	Oct	49,608	47,114	2,494	0.00%	5.03%
	Nov	47,096	44,003	3,093	0.00%	6.57%
	Dec	46,480	43,655	2,825	0.00%	6.08%

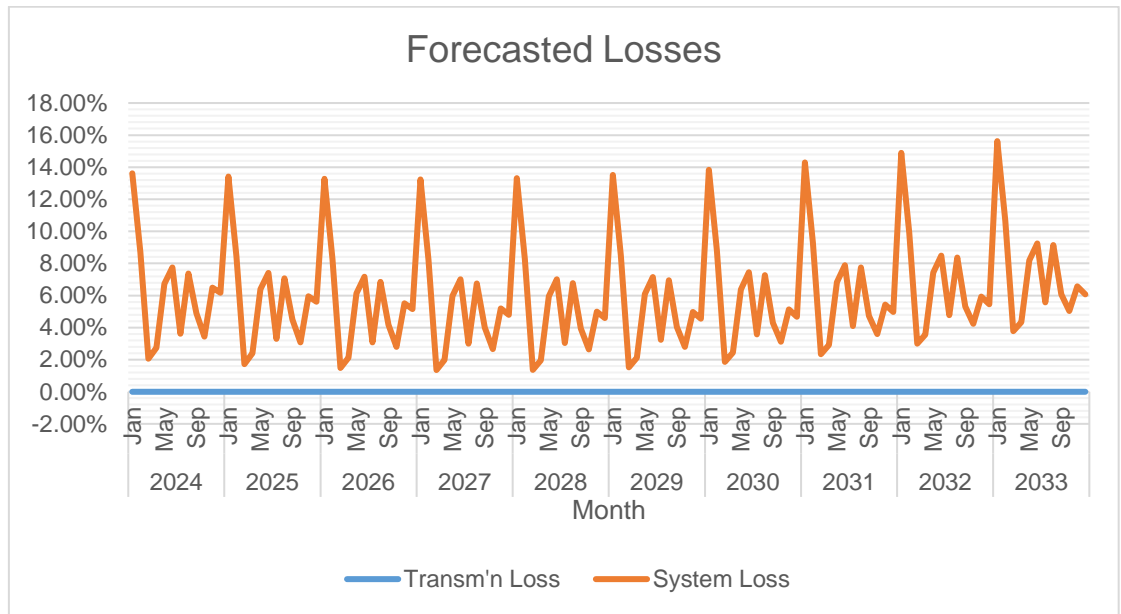
MWh Offtake was forecasted using forecasting models.

System Loss was calculated through a Load Flow Study conducted on the system by simulation using engineering software. Based on the same study, the Distribution System can adequately convey electricity to customers.





MWh Output was expected to grow at a rate of 5.99% annually.



Transmission Loss is expected to range within 0% while System Loss is expected to range from 5.32% to 7.52%. The system loss is forecasted to be increasing for several factors considered in forecasting that goes with the increase of both purchase and sales but during these forecast years, several projects will be proposed to mitigate this increasing forecasted system loss.

## Power Supply

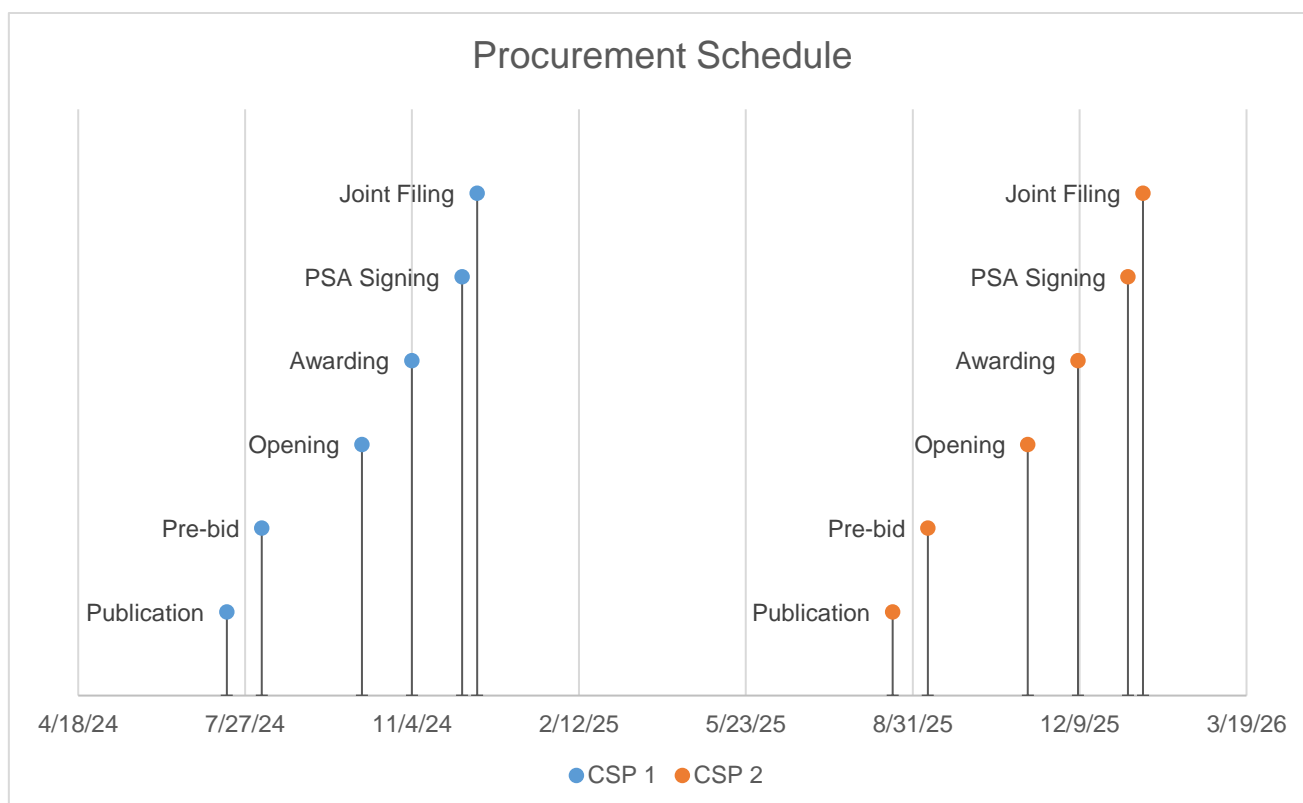
Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
ERC CASE NO. 2010-156 RC	Base	Cebu Energy Development Corporation	11.00	96,360	2/26/2011	2/25/2026

The PSA with Cebu Energy Development Corporation filed with ERC under Case No. 2010-156 RC is effective until February 2026. It was selected to provide the base load requirements of CEBECO I. The monthly charges under the current PSA ranged from 7.13 P/kWh to 10.68 P/kWh in year 2023.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
CSP (KSPC)	Base	KEPCO SPC Power Corporation	11.00	96,360	12/26/2023	12/25/2033

The PSA with KSPC to be filed with ERC was procured through CSP. It was selected to provide for another base load requirement of CEBECO I.

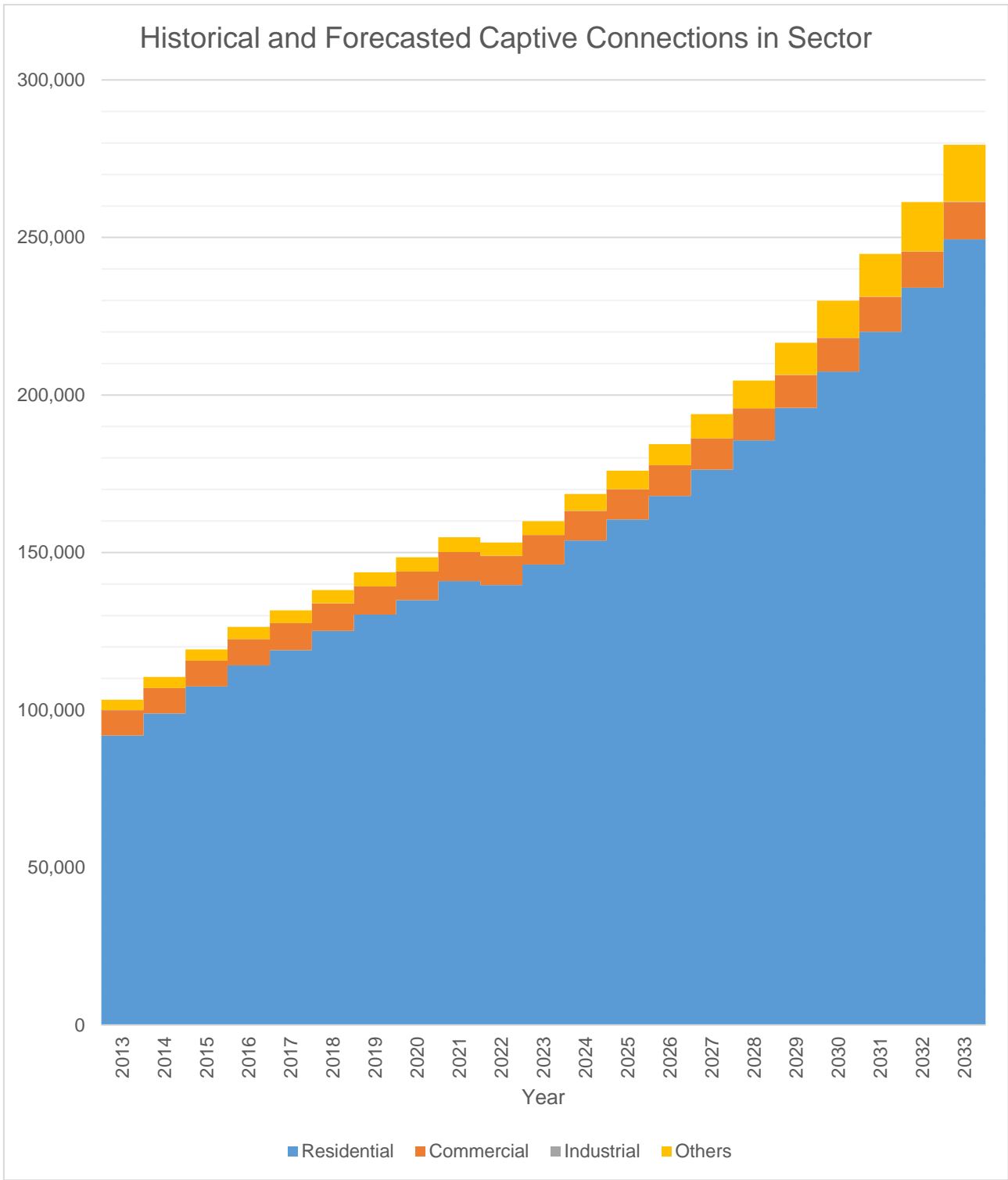
	CSP 1	CSP 2
Type	Base	Base
Minimum MW	8.50	15.00
Minimum MWh/yr	74,460	131,400
PSA Start	12/26/2024	2/26/2026
PSA End	12/25/2034	2/25/2036
Publication	7/16/2024	8/19/2025
Pre-bid	8/6/2024	9/9/2025
Opening	10/5/2024	11/8/2025
Awarding	11/4/2024	12/8/2025
PSA Signing	12/4/2024	1/7/2026
Joint Filing	12/13/2024	1/16/2026



For the procurement of 8.5 MW of supply which is planned to be available on December 26, 2024, the first publication or launch of CSP will be on July 16, 2024. Joint filing is planned on December 13, 2024, or 150 days later, in accordance with DOE's 2018 CSP Policy.

On the other hand, the procurement of 15 MW of supply which is planned to be available on February 26, 2026, the first publication or launch of CSP will be on August 19, 2025. Joint filing is planned on January 16, 2026, or 150 days later, in accordance with DOE's 2018 CSP Policy.

# Captive Customer Connections



The number of Residential connections is expected to grow at a rate of 5.49% annually. Said customer class is expected to account for 91.24% of the total number of connections. As seen on the graph, there is a slight decrease in the number of connections in 2022 due to the effects brought about by the onslaught of Typhoon Odette last December 2021 wherein a large number of residential connections were damaged. Meanwhile, the forecasted number of commercial and industrial connections was seen to be decreasing since some of them already become one of the GEOP customers.