

# **Power Supply Procurement Plan 2024**

**SOUTH COTABATO I ELECTRIC COOPERATIVE, INC.  
(SOCOTECO I)**

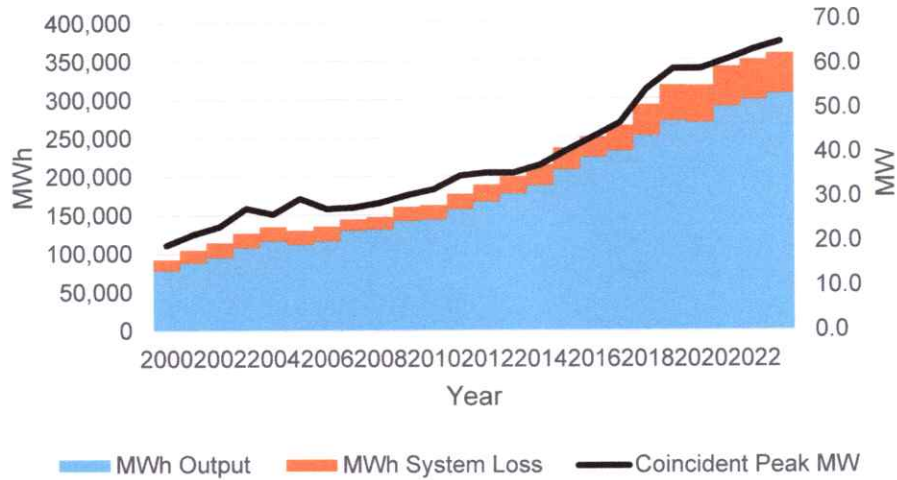
## Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	19.47	92,546	0	92,546	78,220	14,326	54%	0.00%	0.00%	15.48%
2001	21.88	104,775	0	104,775	88,151	16,624	55%	0.00%	0.00%	15.87%
2002	23.60	114,227	0	114,227	95,155	19,072	55%	0.00%	0.00%	16.70%
2003	27.77	126,369	0	126,369	107,495	18,874	52%	0.00%	0.00%	14.94%
2004	26.43	134,770	0	134,770	116,204	18,566	58%	0.00%	0.00%	13.78%
2005	29.96	129,779	0	129,779	111,788	17,991	49%	0.00%	0.00%	13.86%
2006	27.62	135,032	0	135,032	116,047	18,985	56%	0.00%	0.00%	14.06%
2007	27.95	144,495	0	144,495	129,686	14,809	59%	0.00%	0.00%	10.25%
2008	28.98	147,134	0	147,134	131,198	15,937	58%	0.00%	0.00%	10.83%
2009	30.64	159,791	0	159,791	142,118	17,673	60%	0.00%	0.00%	11.06%
2010	31.97	162,056	0	162,056	143,556	18,500	58%	0.00%	0.00%	11.42%
2011	35.08	176,484	0	176,484	156,947	19,537	57%	0.00%	0.00%	11.07%
2012	35.76	188,891	0	188,403	166,693	21,710	60%	0.00%	0.26%	11.52%
2013	35.71	200,655	0	198,764	177,013	21,751	64%	0.00%	0.94%	10.94%
2014	37.44	216,757	0	214,425	187,385	27,040	65%	0.00%	1.08%	12.61%
2015	40.71	238,120	0	235,746	207,913	27,833	66%	0.00%	1.00%	11.81%
2016	43.82	259,711	0	249,718	223,751	25,967	65%	0.00%	3.85%	10.40%
2017	46.93	267,686	0	264,552	231,492	33,060	64%	0.00%	1.17%	12.50%
2018	54.52	298,239	0	291,282	251,414	39,868	61%	0.00%	2.33%	13.69%
2019	59.11	320,344	0	316,620	270,473	46,148	61%	0.00%	1.16%	14.58%
2020	59.10	322,507	0	315,931	267,955	47,976	61%	0.00%	2.04%	15.19%
2021	61.15	345,668	0	340,084	288,581	51,503	63%	0.00%	1.62%	15.14%
2022	63.31	356,624	0	348,855	297,304	51,551	63%	0.00%	2.18%	14.78%
2023	65.09	357,131	45,676	356,580	305,158	51,422	63%	0.00%	0.15%	14.42%

Peak Demand increased from 19.47 MW in 2000 to 65.09 MW in 2023 at a rate of 5.56%. MWh Offtake increased 92,546 MWh in 2000 to 357,131 MWh in 2023 at a rate of 6.13%. The constant increase in Peak Demand and MWh Offtake since year 2000 is due to steadily progressing economy in the province of South Cotabato. Hence, investors come in and the demand for electricity increases.

Load Factor is constant at 61% from 2018 to 2020 and at 63% from 2021 to 2022. The load consumption characteristic of residential customers predominantly affects the Load Factor. As of 2023 residential customers of SOCOTECO-I at 89.88% of its total customer population. For reference, the typical load factor for an average residential customer is only about 23%.

### Historical Consumption



MWh Output increased from year 2000 to year 2023 at a rate of 6.18%, while MWh System Loss increased at a rate of 6.26% within the same period.

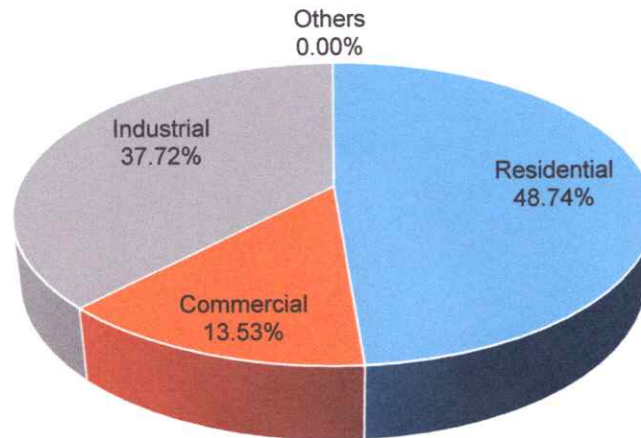
The historical MWh Output data for industrial is consistent with our DDP submission for the past years. Moreover, there is no MWh Output for Own Use for year 2000-2005 because it is incorporated in the System Loss recovery (System Loss + Admin Use).

### Historical Losses



Historically, Transmission Loss ranged from 0.26% to 3.85% while System Loss ranged from 10.25% to 16.70%. The Transmission Loss peaked at 3.85% on year 2016, while System Loss peaked at 16.70% on year 2002.

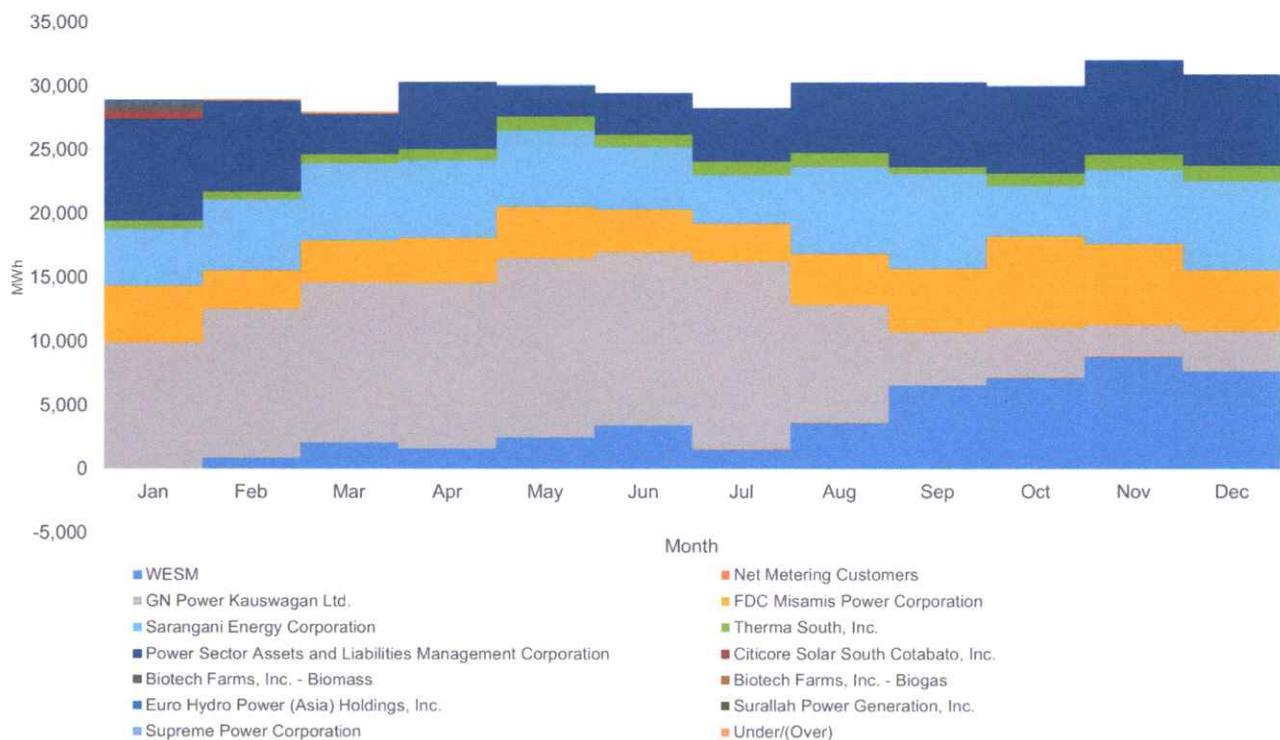
## Previous Year's Shares of Energy Sales



Residential customers account for the bulk of energy sales at 48.74% due to the high number of connections. On the other hand, Industrial customers accounted for 37.72% of energy sales despite of the low number of connections.

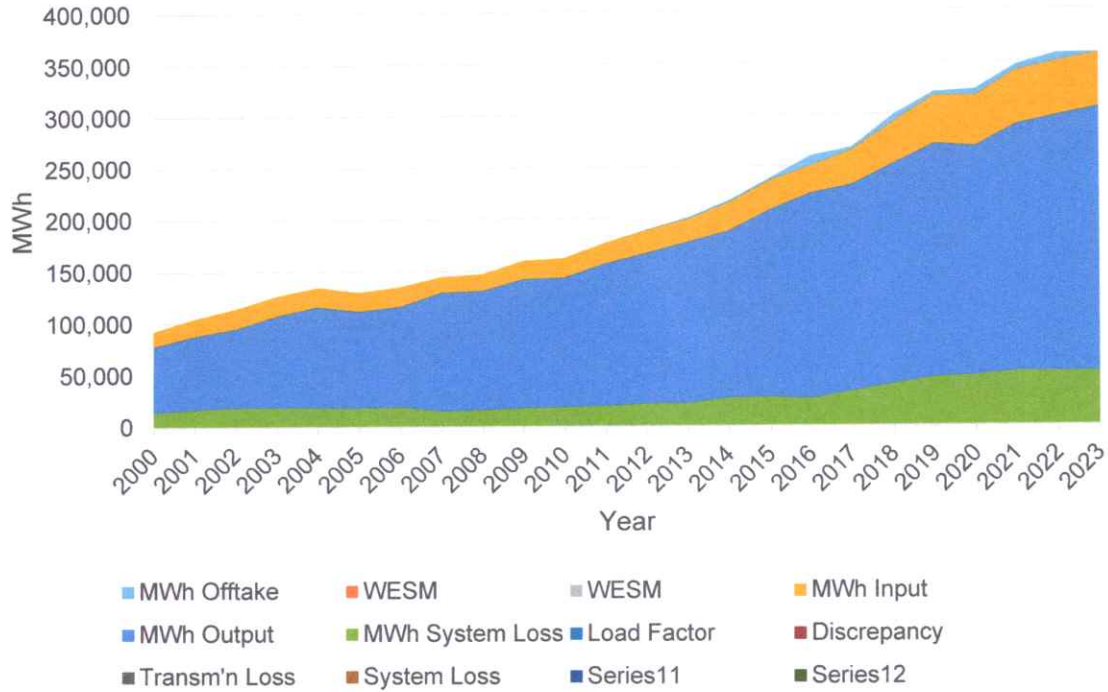
Compared to 2022, the 2023 energy sales in residential and commercial customer have increased by 3.61% and 11.2% respectively. Correspondingly, the energy sales in Industrial have decreased by 1.64%.

## MWh Offtake for Last Historical Year



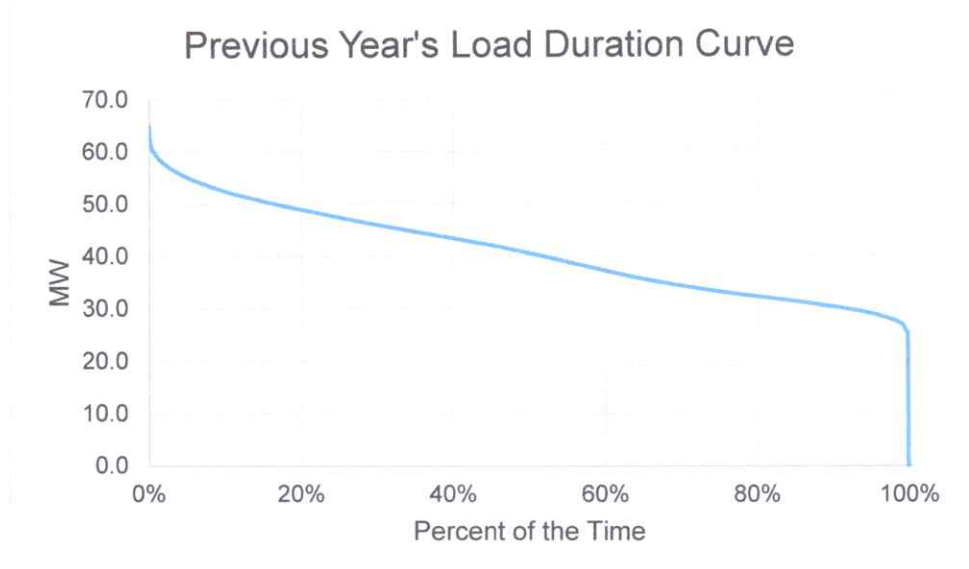
For PSALM, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. The PSA with GNPCK accounts for the bulk of MWh Offtake is equivalent to 31.46%. The Under/(Over) energy represents those energy that were accounted in our meter but were not billed by any of our contracted suppliers. This is the difference between the total energy billed by the power suppliers versus the total energy recorded in the revenue meter.

### WESM Share Over Time



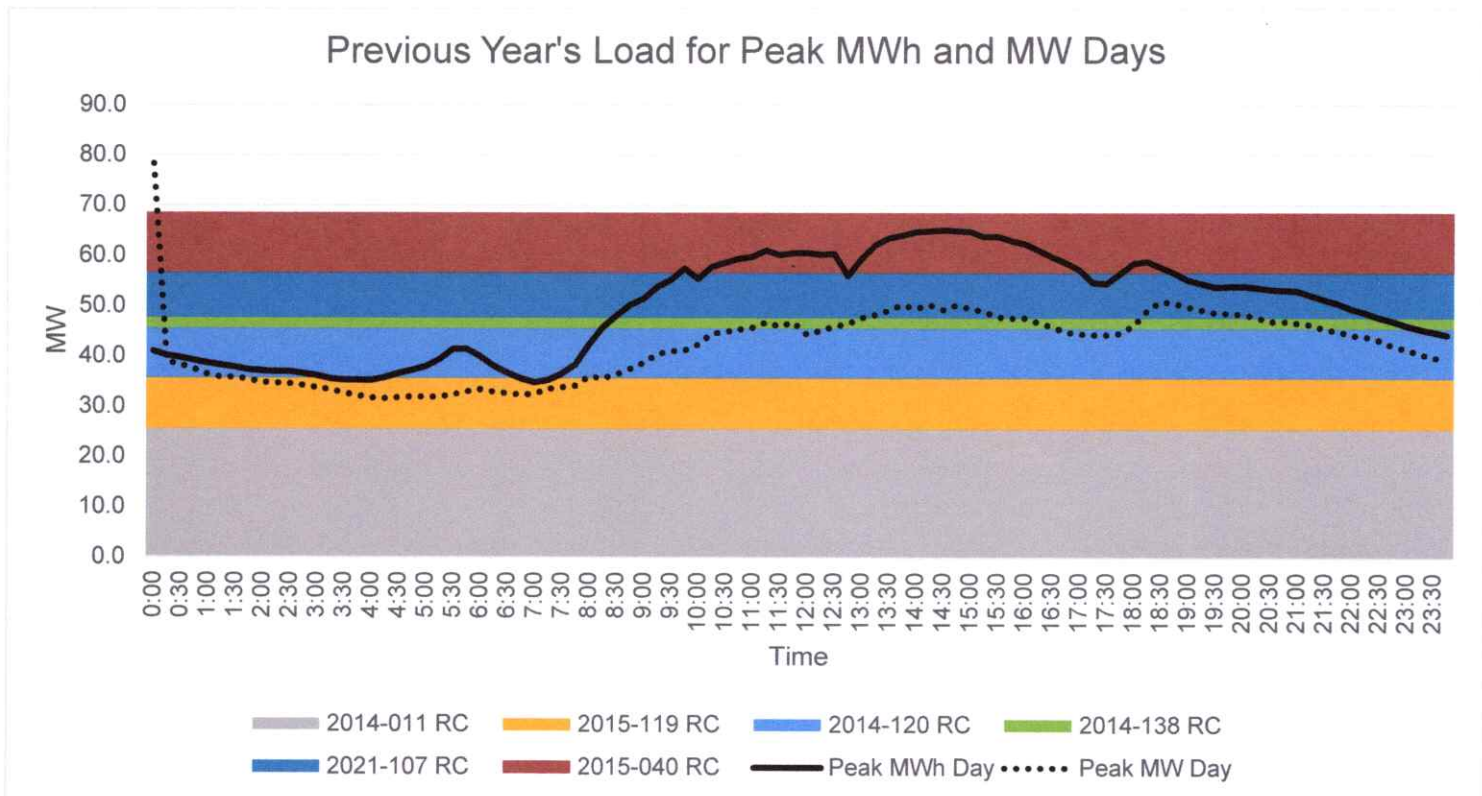
Pursuant with the Department of Energy (DOE) Department Circular No. DC2022-12-0039, declaring the commercial operations of the Enhanced WESM Design and Operations (EWDO) effective 26 January 2023 (“Commercial Operation Date”) in Mindanao. SOCOTECO-I is already a registered direct member in the WESM and at the same time, a registered meter service provider for FIT generators embedded in our distribution system. The WESM Offtake for the last historical year is 45,676 MWh or 12.79% share of WESM in the total Offtake.

# Previous Year's Load Profile



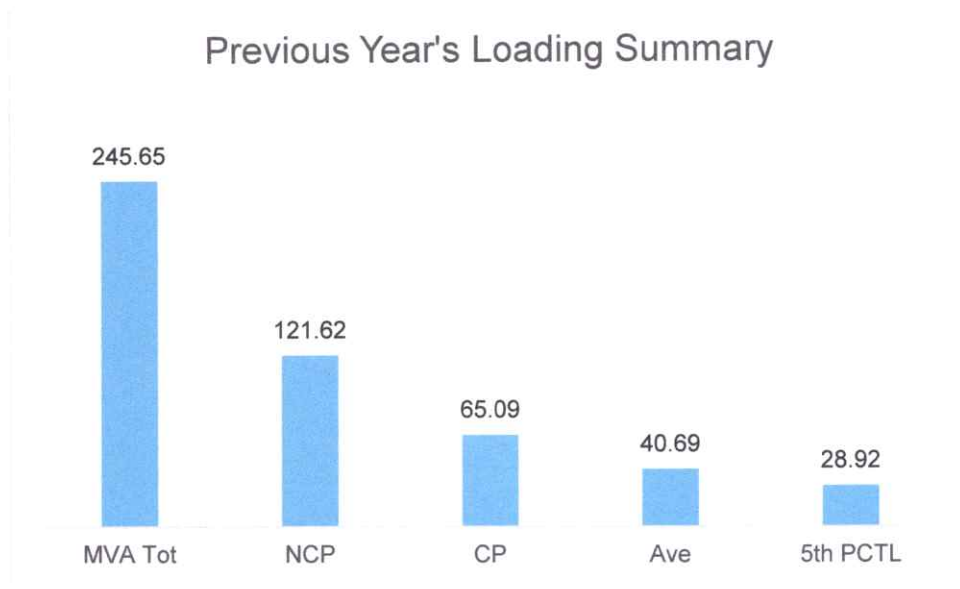
Based on the Load Duration Curve, the minimum load is 0 MW and the maximum load is 65.09MW (taken at 15 min interval) for the last historical year.

The load profile of SOCOTECO-I is measured by the summation of the metering totalizer (M7 & M8) and the embedded generator's generation output. The profile of BFI Tantangan, BFI Banga, SPC, SE1, SPGI and EHPAHI with zero input signifies that there is no power generation during that certain period.



Peak MW (at 14-hour interval) occurred on November 14, 2023, Tuesday at 2:30 pm. The peak happens to be on typical hot and regular working day, and with no rainfall and clear sky.

Peak daily MWh occurred on March 25, 2023 (Saturday). As shown in the Load Curves, the available supply is higher than the Peak Demand.



The Non-coincident Peak Demand is 121.62 MW, which is around 49.51% of the total substation capacity of 245.65 MVA. The load factor or the ratio between the Average Load of 40.69 MW and the Coincident Peak Demand is 62.51%. A safe estimate of the true minimum load is the fifth percentile load of 28.92MW which is 23.78% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
M8 Totalizer	100	32.318
M7 Totalizer	100	60.892
BFI Tantangan	10	2.455
BFI Banga	10	4.190
SPC	12.395	10.954
SE1	5	4.861
SPGI	7.5	5.541
EHPAHI	0.75	0.410

The substations loaded at above 70% are Morales and Norala under Metering Totalizer M7 and M8. The loading problem of Morales (M3) substation will be addressed by the construction of 30MVA Koronadal substation by 2024. While the loading problem of Norala substation will be addressed by the proposed uprating of Norala substation from 5MVA to 10MVA within 9 (nine) months.

# 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	63.14	68.49	0.00	0.000		108%	108%	5.35
	Feb	61.86	68.49	0.00	0.000		111%	111%	6.63
	Mar	66.32	68.49	0.00	0.000		103%	103%	2.17
	Apr	67.43	68.49	0.00	0.000		102%	102%	1.06
	May	68.56	68.49	0.00	0.000		100%	100%	-0.07
	Jun	66.74	68.49	0.00	0.000		103%	103%	1.75
	Jul	63.19	68.49	0.00	0.000		108%	108%	5.30
	Aug	64.85	68.49	0.00	0.000		106%	106%	3.64
	Sep	67.23	68.49	0.00	0.000		102%	102%	1.26
	Oct	64.22	68.49	0.00	0.000		107%	107%	4.27
	Nov	66.86	68.49	0.00	0.000		102%	102%	1.63
	Dec	65.46	68.49	0.00	0.000		105%	105%	3.03
2025	Jan	64.84	68.49	0.00	0.000		106%	106%	3.65
	Feb	63.53	68.49	0.00	0.000		108%	108%	4.96
	Mar	68.11	68.49	0.00	0.000		101%	101%	0.38
	Apr	69.25	68.49	0.00	0.000		99%	99%	-0.76
	May	70.41	68.49	0.00	7.000		97%	107%	5.08
	Jun	68.55	68.49	0.00	7.000		100%	110%	6.94
	Jul	64.90	68.49	0.00	7.000		106%	116%	10.59
	Aug	66.60	68.49	0.00	7.000		103%	113%	8.89
	Sep	69.04	68.49	0.00	7.000		99%	109%	6.45
	Oct	65.95	68.49	0.00	7.000		104%	114%	9.54
	Nov	68.67	68.49	0.00	7.000		100%	110%	6.82
	Dec	67.23	68.49	0.00	7.000		102%	112%	8.26
2026	Jan	66.51	59.49	0.00	17.000		89%	115%	9.98
	Feb	65.17	59.49	0.00	17.000		91%	117%	11.32
	Mar	69.86	59.49	0.00	17.000		85%	109%	6.63
	Apr	71.03	59.49	0.00	17.000		84%	108%	5.46
	May	72.23	59.49	0.00	17.000		82%	106%	4.26
	Jun	70.31	59.49	0.00	17.000		85%	109%	6.18
	Jul	66.57	59.49	0.00	17.000		89%	115%	9.92
	Aug	68.32	59.49	0.00	17.000		87%	112%	8.17
	Sep	70.82	59.49	0.00	17.000		84%	108%	5.67
	Oct	67.65	59.49	0.00	17.000		88%	113%	8.84
	Nov	70.43	59.49	0.00	17.000		84%	109%	6.06
	Dec	68.96	59.49	0.00	17.000		86%	111%	7.53
2027	Jan	68.15	59.49	0.00	20.000		87%	117%	11.34
	Feb	66.77	59.49	0.00	20.000		89%	119%	12.72
	Mar	71.58	59.49	0.00	20.000		83%	111%	7.91
	Apr	72.78	59.49	0.00	20.000		82%	109%	6.71
	May	74.00	59.49	0.00	20.000		80%	107%	5.49
	Jun	72.04	59.49	0.00	20.000		83%	110%	7.45
	Jul	68.20	59.49	0.00	20.000		87%	117%	11.29
	Aug	70.00	59.49	0.00	20.000		85%	114%	9.49
	Sep	72.56	59.49	0.00	20.000		82%	110%	6.93

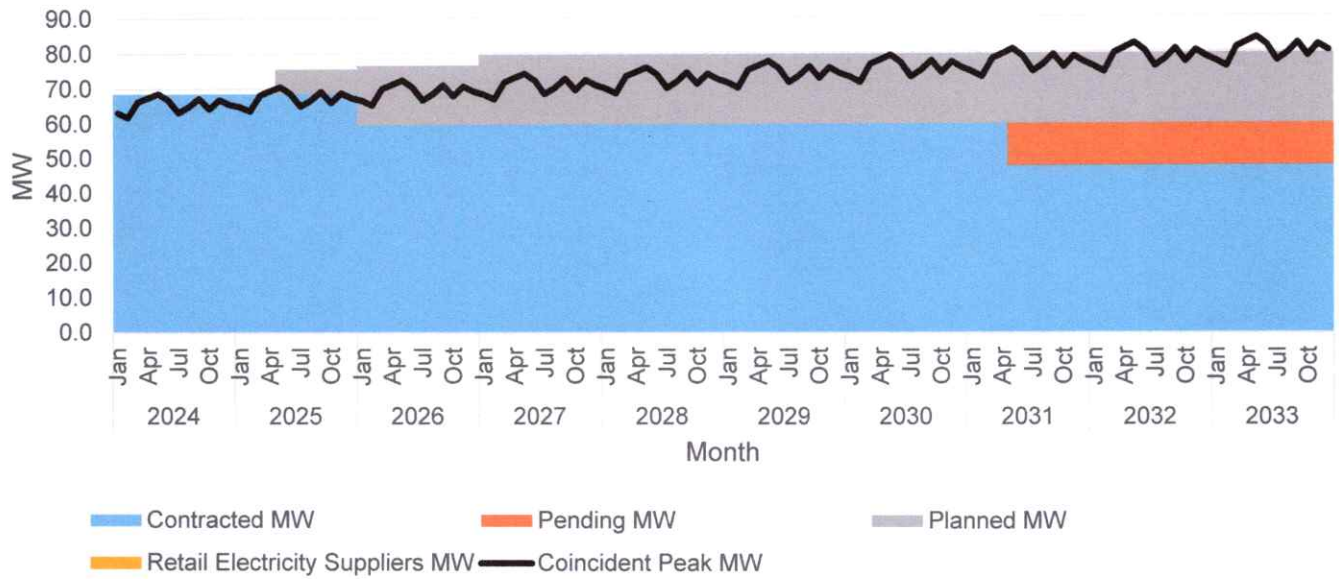


	Oct	69.32	59.49	0.00	20.000		86%	115%	10.17
	Nov	72.17	59.49	0.00	20.000		82%	110%	7.32
	Dec	70.66	59.49	0.00	20.000		84%	112%	8.83
2028	Jan	69.75	59.49	0.00	20.000		85%	114%	9.74
	Feb	68.34	59.49	0.00	20.000		87%	116%	11.15
	Mar	73.26	59.49	0.00	20.000		81%	109%	6.23
	Apr	74.49	59.49	0.00	20.000		80%	107%	5.00
	May	75.74	59.49	0.00	20.000		79%	105%	3.75
	Jun	73.73	59.49	0.00	20.000		81%	108%	5.76
	Jul	69.81	59.49	0.00	20.000		85%	114%	9.68
	Aug	71.64	59.49	0.00	20.000		83%	111%	7.85
	Sep	74.27	59.49	0.00	20.000		80%	107%	5.22
	Oct	70.94	59.49	0.00	20.000		84%	112%	8.55
	Nov	73.86	59.49	0.00	20.000		81%	108%	5.63
	Dec	72.32	59.49	0.00	20.000		82%	110%	7.17
2029	Jan	71.31	59.49	0.00	20.000		83%	111%	8.18
	Feb	69.88	59.49	0.00	20.000		85%	114%	9.61
	Mar	74.90	59.49	0.00	20.000		79%	106%	4.59
	Apr	76.16	59.49	0.00	20.000		78%	104%	3.33
	May	77.44	59.49	0.00	20.000		77%	103%	2.05
	Jun	75.39	59.49	0.00	20.000		79%	105%	4.10
	Jul	71.37	59.49	0.00	20.000		83%	111%	8.12
	Aug	73.25	59.49	0.00	20.000		81%	109%	6.24
	Sep	75.93	59.49	0.00	20.000		78%	105%	3.56
	Oct	72.54	59.49	0.00	20.000		82%	110%	6.95
	Nov	75.52	59.49	0.00	20.000		79%	105%	3.97
	Dec	73.94	59.49	0.00	20.000		80%	108%	5.55
2030	Jan	72.84	59.49	0.00	20.000		82%	109%	6.65
	Feb	71.38	59.49	0.00	20.000		83%	111%	8.11
	Mar	76.51	59.49	0.00	20.000		78%	104%	2.98
	Apr	77.80	59.49	0.00	20.000		76%	102%	1.69
	May	79.10	59.49	0.00	20.000		75%	100%	0.39
	Jun	77.01	59.49	0.00	20.000		77%	103%	2.48
	Jul	72.91	59.49	0.00	20.000		82%	109%	6.58
	Aug	74.82	59.49	0.00	20.000		80%	106%	4.67
	Sep	77.57	59.49	0.00	20.000		77%	102%	1.92
	Oct	74.09	59.49	0.00	20.000		80%	107%	5.40
	Nov	77.14	59.49	0.00	20.000		77%	103%	2.35
	Dec	75.53	59.49	0.00	20.000		79%	105%	3.96
2031	Jan	74.34	59.49	0.00	20.000		80%	107%	5.15
	Feb	72.85	59.49	0.00	20.000		82%	109%	6.64
	Mar	78.09	59.49	0.00	20.000		76%	102%	1.40
	Apr	79.40	59.49	0.00	20.000		75%	100%	0.09
	May	80.73	59.49	0.00	20.000		74%	98%	-1.24
	Jun	78.59	59.49	0.00	20.000		76%	101%	0.90
	Jul	74.41	59.49	0.00	20.000		80%	107%	5.08
	Aug	76.36	59.49	0.00	20.000		78%	104%	3.13
	Sep	79.16	59.49	0.00	20.000		75%	100%	0.33
	Oct	75.62	59.49	0.00	20.000		79%	105%	3.87
	Nov	78.73	59.49	0.00	20.000		76%	101%	0.76
	Dec	77.09	59.49	0.00	20.000		77%	103%	2.40

2032	Jan	75.81	59.49	0.00	20.000		78%	105%	3.68
	Feb	74.29	59.49	0.00	20.000		80%	107%	5.20
	Mar	79.63	59.49	0.00	20.000		75%	100%	-0.14
	Apr	80.97	59.49	0.00	20.000		73%	98%	-1.48
	May	82.33	47.59	11.90	20.000		58%	97%	-2.84
	Jun	80.15	47.59	11.90	20.000		59%	99%	-0.66
	Jul	75.88	47.59	11.90	20.000		63%	105%	3.61
	Aug	77.87	47.59	11.90	20.000		61%	102%	1.62
	Sep	80.73	47.59	11.90	20.000		59%	98%	-1.24
	Oct	77.11	47.59	11.90	20.000		62%	103%	2.38
	Nov	80.29	47.59	11.90	20.000		59%	99%	-0.80
	Dec	78.61	47.59	11.90	20.000		61%	101%	0.88
2033	Jan	77.25	47.59	11.90	20.000		62%	103%	2.24
	Feb	75.70	47.59	11.90	20.000		63%	105%	3.79
	Mar	81.14	47.59	11.90	20.000		59%	98%	-1.65
	Apr	82.50	47.59	11.90	20.000		58%	96%	-3.01
	May	83.89	47.59	11.90	20.000		57%	95%	-4.40
	Jun	81.67	47.59	11.90	20.000		58%	97%	-2.18
	Jul	77.32	47.59	11.90	20.000		62%	103%	2.17
	Aug	79.35	47.59	11.90	20.000		60%	100%	0.14
	Sep	82.26	47.59	11.90	20.000		58%	97%	-2.77
	Oct	78.58	47.59	11.90	20.000		61%	101%	0.91
	Nov	81.81	47.59	11.90	20.000		58%	97%	-2.32
	Dec	80.10	47.59	11.90	20.000		59%	99%	-0.61

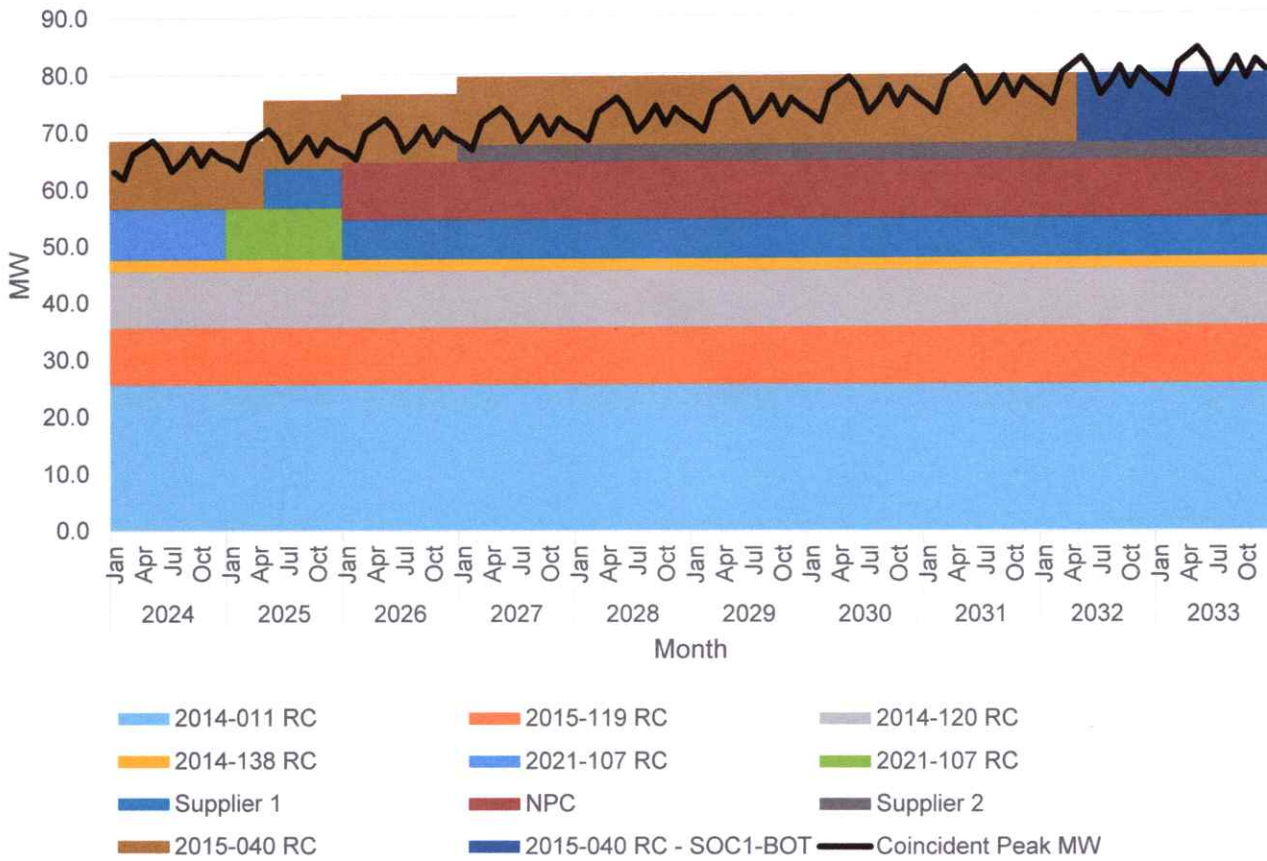
The Peak Demand was forecasted using Coincidental Peak and was assumed to occur on the month of December based on SOCOTECO I historical demand trend. Monthly Peak Demand is at its lowest on the month of February based on historical data. In general, Peak Demand is expected to grow at a rate of 2.89% annually.

### Forecasted Supply vs Demand



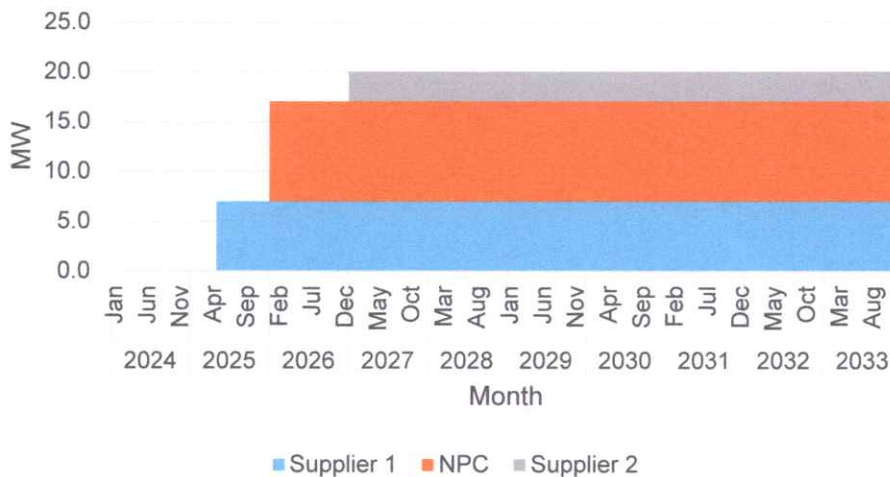
The available supply is generally above the Peak Demand for years 2024-2025. This is because of the sufficient contracted supply of SOCOTECO I. For years 2025 and beyond, SOCOTECO I will enter into new power supply contracts. It will also continue to source out its supply from the electricity market with the commencement of WESM Mindanao.

### Forecasted Supply vs Demand



Of the available supply, the largest is 25.59 MW from GNPk. This is followed by 11.9 MW From Supreme Power Corporation

### Procurement Timing



The first wave of supply procurement will be for 7.0MW (RPS Eligible) planned to be available by April 26, 2025. This will be followed by another 3.0MW (RPS Eligible) in December 26, 2026.

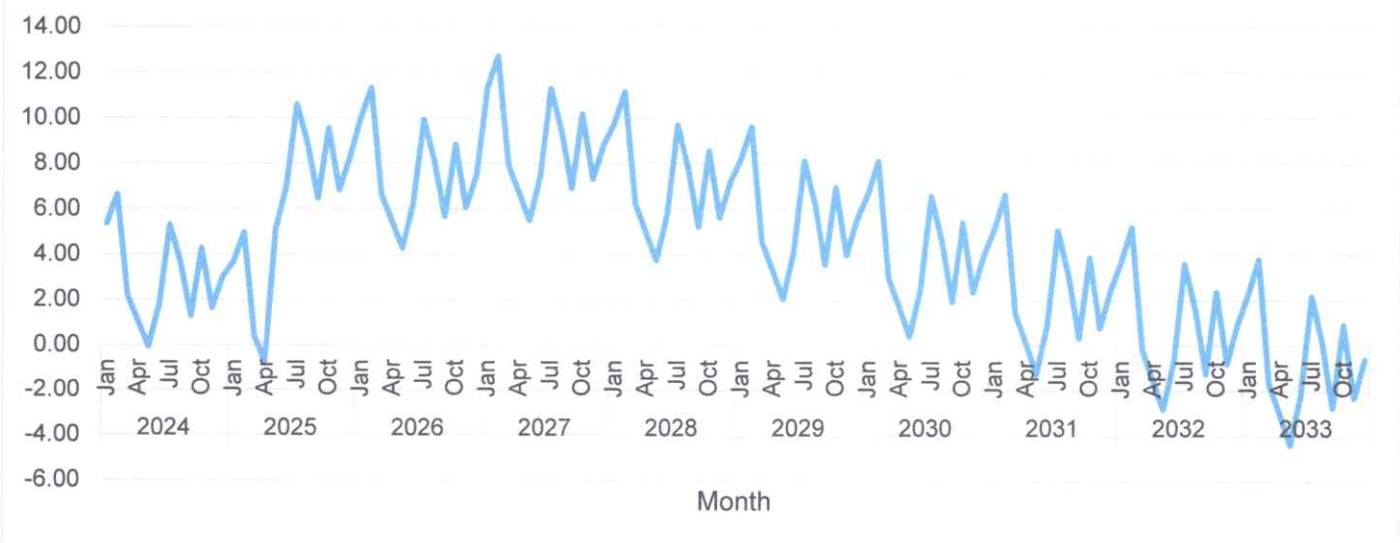
The 10MW requirement in year 2025 is planned to be sourced out from one of the assets of the National Power Corporation or a base load generator with a 100% Capacity Factor.

### Contracting Levels



Currently, there is a deficit power supply of about 0.10% and surplus power supply of about 19% based on the monthly forecasted Coincidental Peak MW versus the Contracted MW. With the possibility of experiencing MW deficits, SOCOTECO I understand that we have to balance the security of supply and the cost of power which is crucial in providing quality service to our customers. Although we will incur supply deficit at maximum of 0.07 MW, 0.76 MW, 1.24MW, 2.84 MW, and 4.4 MW in years 2024, 2025, and 2031 to 2033, respectively The MW deficits for year 2024 and 2025 is manageable with the help of the market. Additionally, the MW deficit for 2031 to 2033 will only have an approximate equivalent monthly MWh deficit at an average of 0.27%, 0.62% and 1.19%, respectively. Moreover, these MW deficits will only occur at very few intervals during peaking period. Based on our simulation and evaluation, instead of entering PSAs with any other type of power plants it is more economical to procure this energy under WESM.

### MW Surplus / Deficit



The highest surplus is 12.72 MW which is expected to occur on the month of February 2027. The high MW surplus is strategically planned to reduce the existing blended generation rate of SOCOTECO I, for this MW surplus can be sold to WESM. The highest deficit is 4.4 MW which is expected to occur on the month of May 2033. The lowest surplus is 0.09 MW which is expected to

occur on the month of April 2031. The lowest deficit is 0.07 MW which is expected to occur on the month of May 2024.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2024	Jan	29,493	25,284	4,209	0.00%	14.27%
	Feb	30,150	26,243	3,907	0.00%	12.96%
	Mar	29,098	24,765	4,332	0.00%	14.89%
	Apr	31,504	26,751	4,753	0.00%	15.09%
	May	31,280	25,559	5,721	0.00%	18.29%
	Jun	30,574	25,566	5,009	0.00%	16.38%
	Jul	29,357	25,689	3,668	0.00%	12.49%
	Aug	31,422	26,595	4,827	0.00%	15.36%
	Sep	31,453	26,660	4,794	0.00%	15.24%
	Oct	31,056	26,434	4,622	0.00%	14.88%
	Nov	33,191	28,605	4,586	0.00%	13.82%
	Dec	33,247	30,288	2,959	0.00%	8.90%
2025	Jan	30,221	25,965	4,255	0.00%	14.08%
	Feb	30,894	26,951	3,944	0.00%	12.77%
	Mar	29,815	25,433	4,382	0.00%	14.70%
	Apr	32,281	27,473	4,809	0.00%	14.90%
	May	32,052	26,248	5,804	0.00%	18.11%
	Jun	31,329	26,255	5,074	0.00%	16.20%
	Jul	30,081	26,382	3,700	0.00%	12.30%
	Aug	32,197	27,312	4,885	0.00%	15.17%
	Sep	32,229	27,379	4,851	0.00%	15.05%
	Oct	31,823	27,147	4,676	0.00%	14.69%
	Nov	34,010	29,376	4,634	0.00%	13.62%
	Dec	34,067	31,105	2,963	0.00%	8.70%
2026	Jan	30,957	26,632	4,326	0.00%	13.97%
	Feb	31,648	27,642	4,005	0.00%	12.66%
	Mar	30,542	26,086	4,457	0.00%	14.59%
	Apr	33,068	28,178	4,891	0.00%	14.79%
	May	32,833	26,922	5,912	0.00%	18.01%
	Jun	32,093	26,929	5,164	0.00%	16.09%
	Jul	30,815	27,059	3,756	0.00%	12.19%
	Aug	32,982	28,013	4,969	0.00%	15.07%
	Sep	33,015	28,081	4,934	0.00%	14.94%
	Oct	32,599	27,843	4,755	0.00%	14.59%
	Nov	34,839	30,130	4,709	0.00%	13.52%
	Dec	34,898	31,903	2,995	0.00%	8.58%
2027	Jan	31,704	27,409	4,295	0.00%	13.55%
	Feb	32,411	28,449	3,961	0.00%	12.22%
	Mar	31,279	26,847	4,431	0.00%	14.17%
	Apr	33,865	29,000	4,865	0.00%	14.37%
	May	33,625	27,708	5,917	0.00%	17.60%
	Jun	32,866	27,715	5,151	0.00%	15.67%
	Jul	31,558	27,849	3,709	0.00%	11.75%
	Aug	33,777	28,831	4,947	0.00%	14.64%
	Sep	33,811	28,901	4,910	0.00%	14.52%
	Oct	33,384	28,656	4,728	0.00%	14.16%

	Nov	35,679	31,010	4,669	0.00%	13.09%
	Dec	35,740	32,834	2,905	0.00%	8.13%
2028	Jan	32,459	28,201	4,258	0.00%	13.12%
	Feb	33,183	29,272	3,911	0.00%	11.79%
	Mar	32,024	27,623	4,401	0.00%	13.74%
	Apr	34,673	29,838	4,834	0.00%	13.94%
	May	34,426	28,509	5,918	0.00%	17.19%
	Jun	33,650	28,516	5,134	0.00%	15.26%
	Jul	32,310	28,654	3,656	0.00%	11.32%
	Aug	34,582	29,664	4,918	0.00%	14.22%
	Sep	34,617	29,736	4,881	0.00%	14.10%
	Oct	34,180	29,484	4,696	0.00%	13.74%
	Nov	36,529	31,906	4,623	0.00%	12.66%
	Dec	36,591	33,783	2,808	0.00%	7.67%
2029	Jan	33,224	29,008	4,216	0.00%	12.69%
	Feb	33,965	30,109	3,856	0.00%	11.35%
	Mar	32,779	28,413	4,365	0.00%	13.32%
	Apr	35,489	30,692	4,798	0.00%	13.52%
	May	35,237	29,324	5,913	0.00%	16.78%
	Jun	34,442	29,332	5,111	0.00%	14.84%
	Jul	33,071	29,473	3,598	0.00%	10.88%
	Aug	35,397	30,512	4,885	0.00%	13.80%
	Sep	35,433	30,587	4,846	0.00%	13.68%
	Oct	34,985	30,328	4,658	0.00%	13.31%
	Nov	37,390	32,818	4,571	0.00%	12.23%
	Dec	37,453	34,750	2,704	0.00%	7.22%
2030	Jan	33,998	29,829	4,169	0.00%	12.26%
	Feb	34,756	30,961	3,795	0.00%	10.92%
	Mar	33,542	29,218	4,325	0.00%	12.89%
	Apr	36,316	31,561	4,755	0.00%	13.09%
	May	36,058	30,154	5,904	0.00%	16.37%
	Jun	35,245	30,162	5,083	0.00%	14.42%
	Jul	33,842	30,308	3,534	0.00%	10.44%
	Aug	36,222	31,376	4,846	0.00%	13.38%
	Sep	36,258	31,453	4,805	0.00%	13.25%
	Oct	35,800	31,186	4,614	0.00%	12.89%
	Nov	38,261	33,748	4,513	0.00%	11.80%
	Dec	38,326	35,733	2,593	0.00%	6.76%
2031	Jan	34,781	30,665	4,116	0.00%	11.83%
	Feb	35,557	31,829	3,728	0.00%	10.48%
	Mar	34,315	30,037	4,278	0.00%	12.47%
	Apr	37,153	32,445	4,708	0.00%	12.67%
	May	36,889	30,999	5,890	0.00%	15.97%
	Jun	36,057	31,007	5,049	0.00%	14.00%
	Jul	34,621	31,157	3,464	0.00%	10.01%
	Aug	37,056	32,256	4,801	0.00%	12.95%
	Sep	37,094	32,335	4,759	0.00%	12.83%
	Oct	36,625	32,061	4,565	0.00%	12.46%
	Nov	39,142	34,694	4,449	0.00%	11.37%
	Dec	39,209	36,735	2,474	0.00%	6.31%
2032	Jan	35,574	31,516	4,058	0.00%	11.41%

	Feb	36,367	32,712	3,655	0.00%	10.05%
	Mar	35,097	30,870	4,227	0.00%	12.04%
	Apr	38,000	33,346	4,654	0.00%	12.25%
	May	37,730	31,860	5,870	0.00%	15.56%
	Jun	36,878	31,868	5,011	0.00%	13.59%
	Jul	35,410	32,022	3,388	0.00%	9.57%
	Aug	37,901	33,151	4,750	0.00%	12.53%
	Sep	37,939	33,232	4,707	0.00%	12.41%
	Oct	37,460	32,950	4,510	0.00%	12.04%
	Nov	40,034	35,656	4,378	0.00%	10.94%
	Dec	40,102	37,754	2,348	0.00%	5.86%
2033	Jan	36,376	32,382	3,994	0.00%	10.98%
	Feb	37,187	33,611	3,576	0.00%	9.62%
	Mar	35,888	31,718	4,170	0.00%	11.62%
	Apr	38,856	34,262	4,594	0.00%	11.82%
	May	38,580	32,735	5,845	0.00%	15.15%
	Jun	37,710	32,743	4,966	0.00%	13.17%
	Jul	36,208	32,902	3,307	0.00%	9.13%
	Aug	38,755	34,062	4,693	0.00%	12.11%
	Sep	38,794	34,145	4,649	0.00%	11.98%
	Oct	38,304	33,856	4,449	0.00%	11.61%
	Nov	40,937	36,636	4,301	0.00%	10.51%
	Dec	41,006	38,792	2,215	0.00%	5.40%

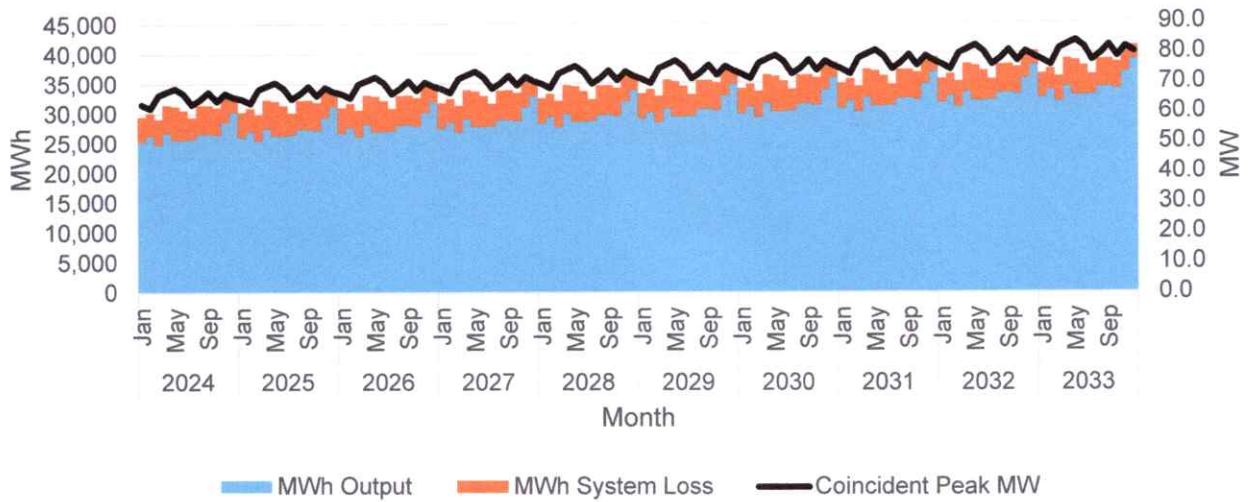
MWh Offtake was forecasted using MWh purchased historical data. Due to the implementation of WESM Mindanao, our actual total energy (MQ) which is based on the summation of the metering totalizer and the embedded generators is already equivalent to the summation of billed energy by our contracted power suppliers (BCQ) and the WESM purchased/sales quantities (WESM). Therefore, there is already no recording of transmission loss in our meter quantities. The losses incurred in the delivery of energy is just already incorporated in the cost of power or in our LMP (SPM+LLC+CC).

To further reduce the system loss, the SOCOTECO I have the following projects:

- Replacement of Defective Metering Facilities
- Relocation of Metering Installations of Residential Consumers
- Upgrading of Metering Facilities on Residential Consumers to Advanced Metering Infrastructure (AMI)
- Substation: Upgrading
- Substation: Additional

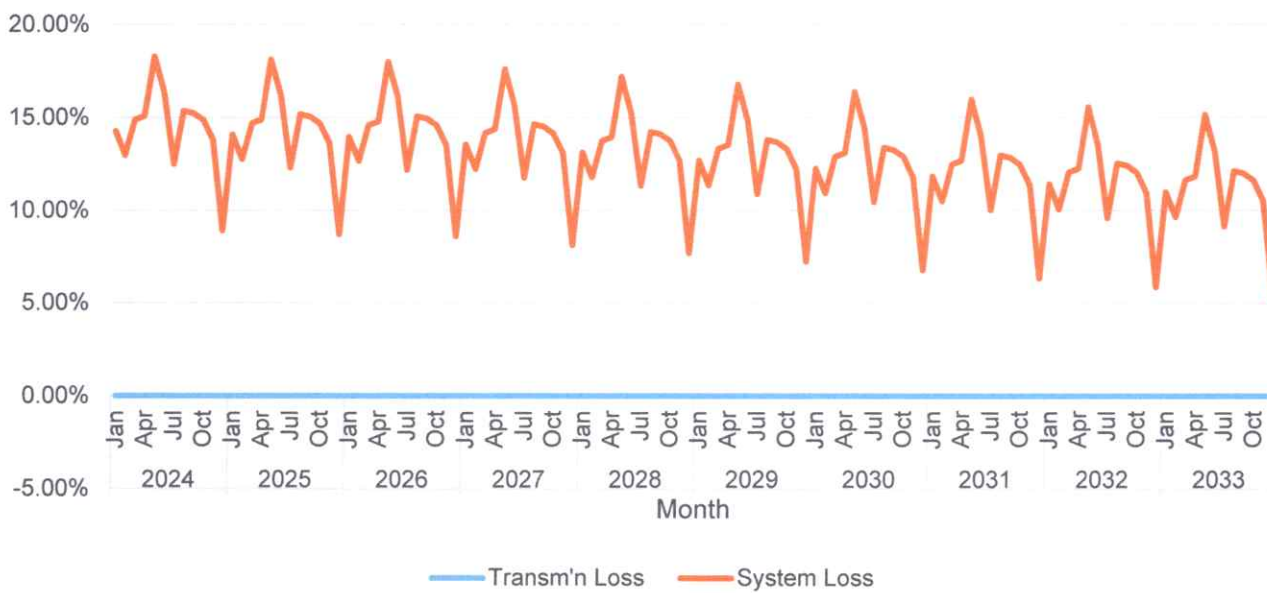


### Forecasted Consumption



MWh Output was expected to grow at a rate of 3.39% annually.

### Forecasted Losses



The System Loss is expected to range from 5.4% to 18.29%.

## Power Supply

Case No.	Type	GenCo	Minimum MW	Maximum MW	Minimum MWh/yr	Maximum MWh/yr	PSA Start	PSA End
2014-011 RC	Base	GN Power Kauswagan Ltd.	12.80	25.59	112,084	224,168	8/7/2019	8/7/2044
2015-119 RC	Base	FDC Misamis Power Corporation	4.00	10.00	35,040	87,600	10/14/2016	10/14/2036
2014-120 RC	Base	Sarangani Energy Corporation	4.00	10.00	35,040	87,600	6/1/2019	6/1/2044
2014-138 RC	Base	Therma South, Inc.	0.80	2.00	7,008	17,520	12/18/2015	12/18/2040
2021-107 RC	Intermediate	Power Sector Assets and Liabilities Management Corporation	0.00	9.00	0	51,246	12/26/2023	12/25/2024
2021-107 RC	Intermediate	Power Sector Assets and Liabilities Management Corporation	0.00	9.00	0	52,034	12/26/2024	12/25/2025
2015-040 RC	Peaking	Supreme Power Corporation	0.00	11.90	0	104,244	5/6/2016	5/6/2031

The **PSA with GNPk filed with ERC under Case No. 2014-011 RC** was procured through competitive bidding and aggregation. It was selected to provide for base requirements since it is a coal-fired power plant. Historically, the utilization of the PSA is 50.12%. The actual billed overall monthly charge under the PSA ranged from 7.66 P/KWh to 13.02 P/KWh in the same period.

The **PSA with FDC-Coal filed with ERC under Case No. 2015-119 RC** was procured through unsolicited proposal. It was selected to provide for base requirements since it is a coal-fired power plant. Historically, the utilization of the PSA is 58.57%. The actual billed overall monthly charge under the PSA ranged from 8.56 P/KWh to 16.49 P/KWh in the same period.

The **PSA with SEC filed with ERC under Case No. 2014-120 RC** was procured through unsolicited proposal. It was selected to provide for base requirements since it is a coal-fired power plant. Historically, the utilization of the PSA is 77.50%. The actual billed overall monthly charge under the PSA ranged from 7.75 P/KWh to 12.55 P/KWh in the same period.

The **PSA with TSI filed with ERC under Case No. 2014-138 RC** was procured through unsolicited proposal. It was selected to provide for base requirements since it is a coal-fired power plant. Historically, the utilization of the PSA is 62.18%. The actual billed overall monthly charge under the PSA ranged from 8.39 P/KWh to 17.00 P/KWh in the same period.

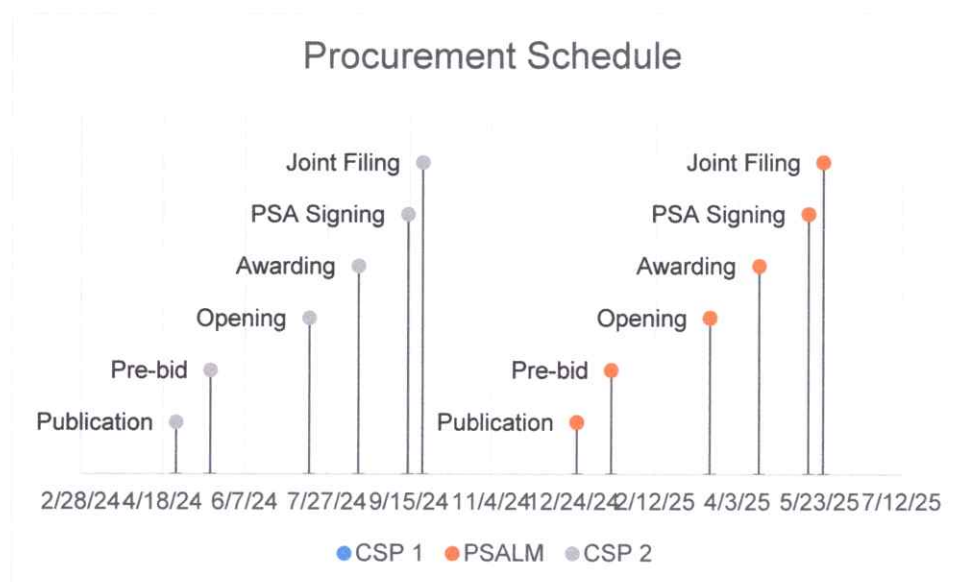
The **PSA with SPC filed with ERC under Case No. 2015-040 RC** was procured through unsolicited proposal. It was selected to provide for peaking requirements. Historically, the utilization of the PSA is 0.16%.

DOE CSP-COE was given to the CSEE of SOCOTECO I and PSALM Corporation for years 2023-2024. Historically, the utilization of PSALM-CSEE is at 115.445%. The actual billed overall monthly charge under the previous CSEE ranged from 2.45 P/KWh to 2.94 P/KWh.

Case No.	Type	GenCo	Minimum MW	Maximum MW	Minimum MWh/yr	Maximum MWh/yr	PSA Start	PSA End
2015-040 RC - SOC1-BOT	Peaking	Supreme Power Corporation	0.00	11.9	0	104,244	5/6/2031	5/6/2051

The PSA with SPC filed with ERC under Case No. 2015-040 RC was procured through unsolicited proposal. It was selected to provide for peaking requirements. The Contract is Electricity Supply and Transfer Agreement wherein at the end of the Contract, the ownership of the facility shall be transferred to SOCOTECO I in year 2031. This case is still pending until the end of contract. However, if the Commission decides to hold the operation of the SPC while the case is still on-going, the cooperative will resort to nominate in the WESM for peaking requirements.

	CSP 1	PSALM	CSP 2
Type	Intermediate	Intermediate	Intermediate
Minimum MW	0	0	0
Maximum MW	7.00	10.00	3.00
Minimum MWh/yr	0	0	0
Maximum MWh/yr	13,490	87,600	14,191
PSA Start	4/26/2025	12/26/2025	12/26/2026
PSA End	4/25/2051	12/25/2035	12/25/2051
Publication	4/26/2024	12/26/2024	4/26/2024
Pre-bid	5/17/2024	1/16/2025	5/17/2024
Opening	7/16/2024	3/17/2025	7/16/2024
Awarding	8/15/2024	4/16/2025	8/15/2024
PSA Signing	9/14/2024	5/16/2025	9/14/2024
Joint Filing	9/23/2024	5/25/2025	9/23/2024

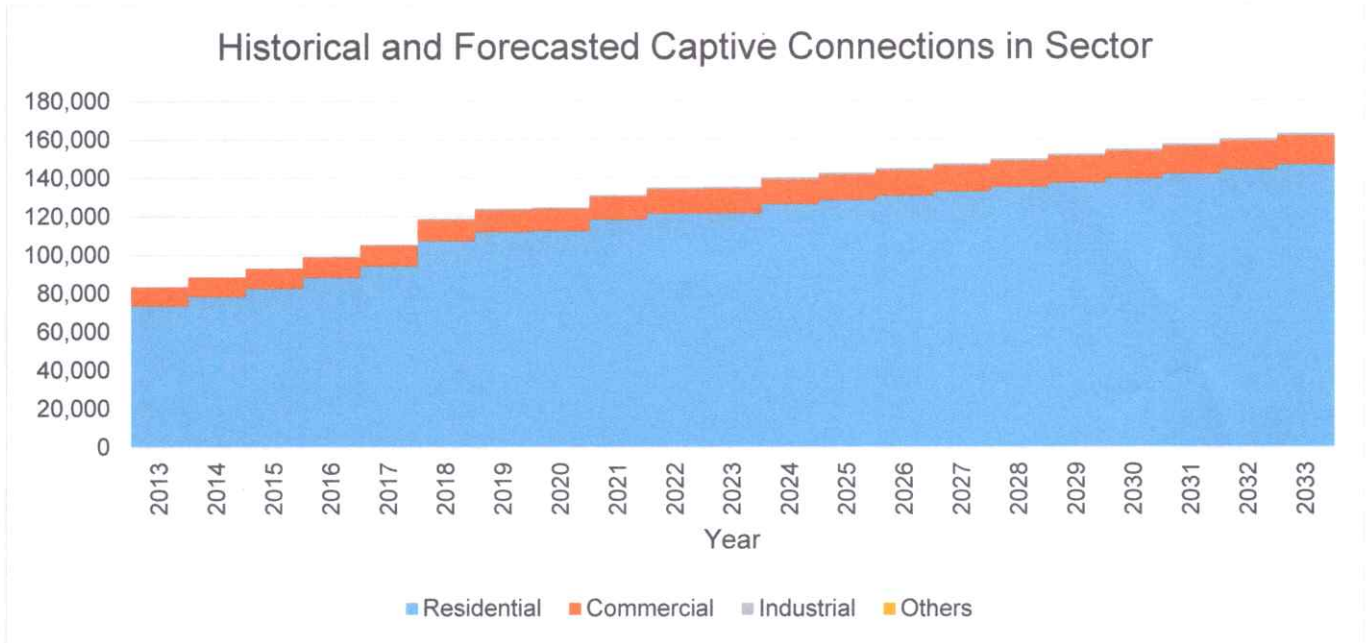


For the procurement of 7.0 MW of supply which is planned to be available on April 26, 2025, the first publication or launch of CSP will be on April 26, 2024. Joint filing is planned on September 23, 2024, or 150 days later, in accordance with DOE’s CSP Policy. This PSA shall be for the compliance of SOCOTECO I with the Renewable Portfolio Standard (RPS).

The procurement of 3.0 MW of supply which is planned to be available on December 26, 2026. The first publication or launch of CSP will be on April 26, 2024. The joint filing is planned on September 23, 2024, or 150 days later, in accordance with DOE’s CSP Policy. These PSAs shall also be for the compliance of SOCOTECO-I with the RPS.

The procurement of 10 MW supply in PSALM which is planned to be available on December 26, 2025. This is not yet coordinated with the PSALM. Should the PSALM Corporate life end, all its assets and liabilities will be reverted to the National Government. Thus, the consideration of the coop to undergo CSP with NPC. The first publication or launch of CSP will be on December 26, 2024. The joint filing is planned on May 25, 2025, or 150 days later, in accordance with DOE’s CSP Policy.

# Captive Customer Connections



The number of Residential connections is expected to grow at a rate of 2.05% annually. Said customer class is expected to account for 48.66% of the total consumption.

The number of Commercial connections is expected to grow at a rate of 1.87% annually. Said customer class is expected to account for 12.97% of the total consumption.

The number of Industrial connections is expected to grow at a rate of 2.07% annually. Said customer class is expected to account for 38.37% of the total consumption.

	Name	Position	Signature	Date
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	Ziggrid Darrel C. Acosta	Distribution Planning Supervisor	<i>[Signature]</i>	8/13/24
Reviewed by	Darrel V. Sultan	Corporate Planning Manager	<i>[Signature]</i>	8/13/24
	Engr. Michael N. Marcella	Technical Services Manager	<i>[Signature]</i>	8.13.24
Approved by	Engr. Raffee Edsel B. Epistola	General Manager	<i>[Signature]</i>	AUG 13 2024