

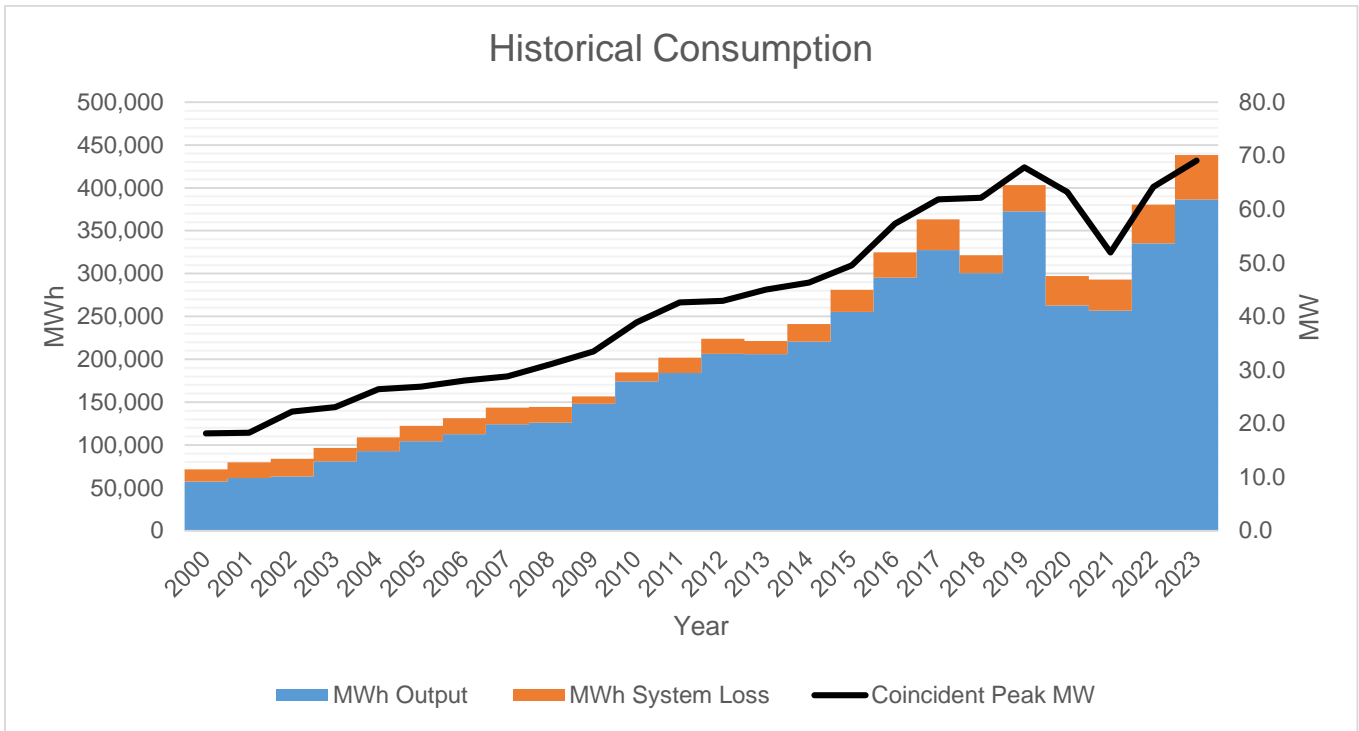
Power Supply Procurement Plan 2024

AKLAN ELECTRIC COOPERATIVE

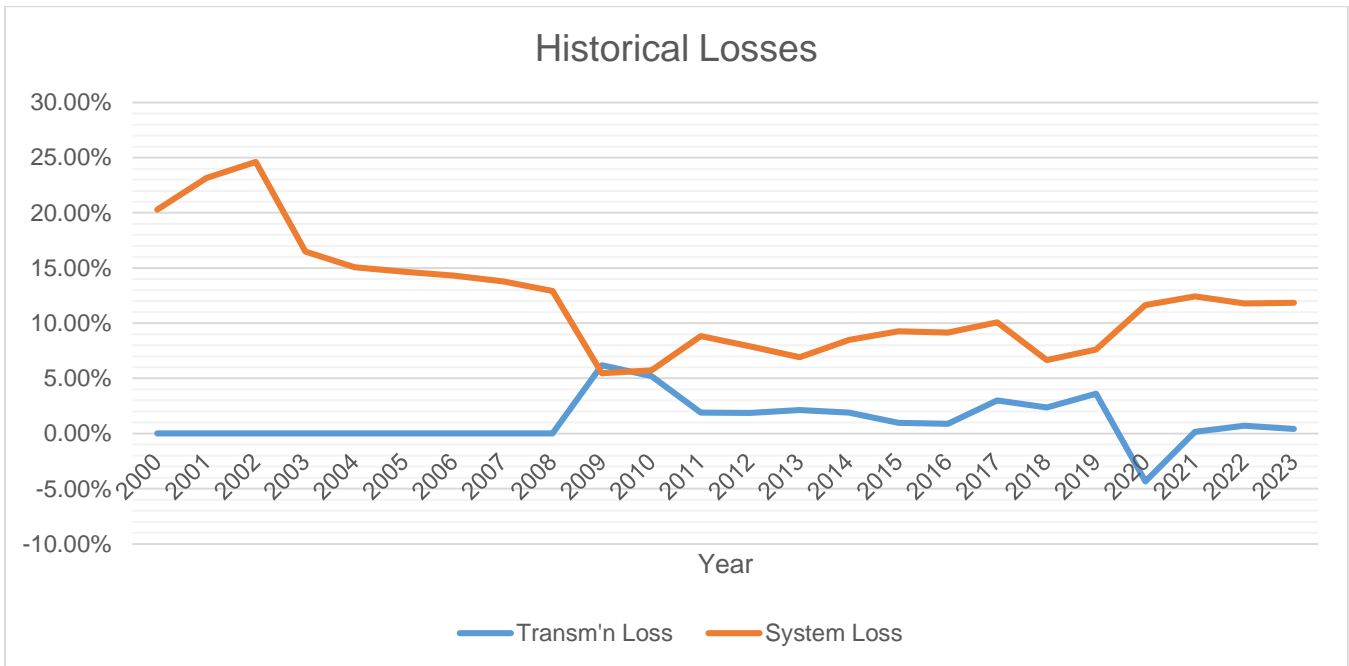
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	18.19	70,908	0	70,908	57,209	14,392	44%	0.98%	0.00%	20.30%
2001	18.32	79,075	0	79,075	61,536	18,314	49%	0.98%	0.00%	23.16%
2002	22.23	83,074	0	83,074	63,432	20,442	43%	0.96%	0.00%	24.61%
2003	23.10	95,895	0	95,895	80,972	15,803	47%	0.92%	0.00%	16.48%
2004	26.39	108,125	0	108,125	92,786	16,292	47%	0.88%	0.00%	15.07%
2005	26.91	121,292	0	121,292	104,553	17,772	51%	0.85%	0.00%	14.65%
2006	28.05	130,154	0	130,154	112,643	18,621	53%	0.85%	0.00%	14.31%
2007	28.83	142,591	0	142,591	124,159	19,646	56%	0.85%	0.00%	13.78%
2008	31.09	143,249	0	143,249	125,953	18,515	53%	0.85%	0.00%	12.92%
2009	33.48	165,405	0	155,177	148,092	8,490	53%	0.91%	6.18%	5.47%
2010	38.90	193,201	0	183,158	174,324	10,478	54%	0.90%	5.20%	5.72%
2011	42.59	203,893	0	200,012	184,095	17,653	54%	0.87%	1.90%	8.83%
2012	42.91	228,212	29,251	223,977	206,250	17,727	60%	0.00%	1.86%	7.91%
2013	45.03	226,096	24,705	221,274	206,000	15,275	56%	0.00%	2.13%	6.90%
2014	46.32	245,912	16,887	241,240	220,760	20,480	59%	0.00%	1.90%	8.49%
2015	49.53	283,966	37,878	281,245	255,158	26,086	65%	0.00%	0.96%	9.28%
2016	57.29	327,765	62,597	324,839	295,152	29,687	65%	0.00%	0.89%	9.14%
2017	61.84	367,140	62,320	356,119	327,423	35,889	66%	2.02%	3.00%	10.08%
2018	62.14	322,461	49,066	314,857	300,518	20,951	58%	2.10%	2.36%	6.65%
2019	67.85	418,433	58,854	403,323	372,637	30,686	68%	0.00%	3.61%	7.61%
2020	63.23	284,900	10,057	297,296	262,699	34,597	54%	0.00%	-4.35%	11.64%
2021	51.94	293,516	9,895	293,098	256,675	36,424	64%	0.00%	0.14%	12.43%
2022	64.16	382,958	56,402	380,291	335,411	44,879	68%	0.00%	0.70%	11.80%
2023	69.08	440,085	129,583	438,245	386,340	51,905	72%	0.00%	0.42%	11.84%

There was an abrupt decrease in consumption on 2020 due to the covid-19 pandemic. Peak demand in 2020 was still relatively high due to the first few months of that year without lockdown restrictions, but still decreased compared to 2019. Peak Demand increased from 52 MW in 2021 to 69 MW in 2023 due to covid-19 recovery. MWh Offtake increased from 284,900 MWh in 2020 to 440,085 MWh in 2023 due to the decrease in lockdown travel restrictions. Within the same period, Load Factor ranged from 54% to 72%. Data for years 2019, 2020, and 2021 was corrected to reflect MWH discrepancy, as consistent with 2023 submission.

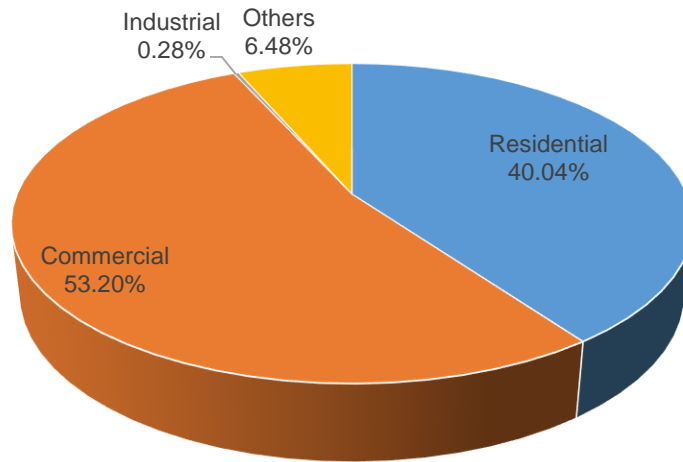


MWh Output increased from year 2012 to year 2023 by 87.3%, while MWh System Loss increased by 193% within the same period. Coincident Peak Demand and MWh Output have recovered by 2023 and surpassed pre-pandemic level highs of 2019.



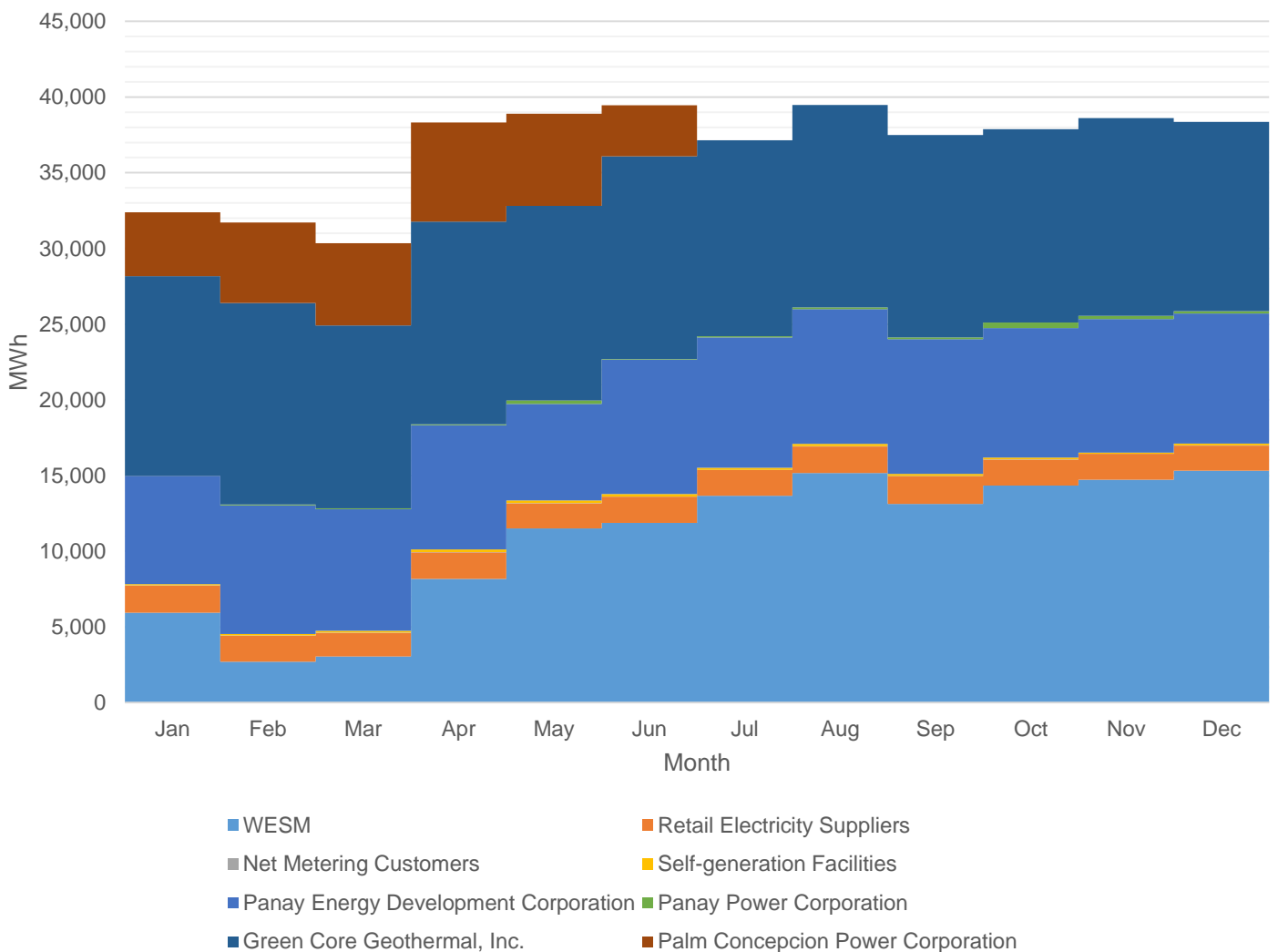
Historically, Transmission Loss ranged from -4.35% to 6.18% while System Loss ranged from 5.47% to 24.61%. Since 2012, Transmission Loss peaked at 3.61% on year 2019 because of the increase in MWh consumption and System Loss peaked at 12.43% on year 2021 because of large drop in energy sales. The low transmission loss is due to the lack of self-generation facility data. Data for years 2019, 2020, and 2021 were corrected for MWh discrepancy.

Previous Year's Shares of Energy Sales

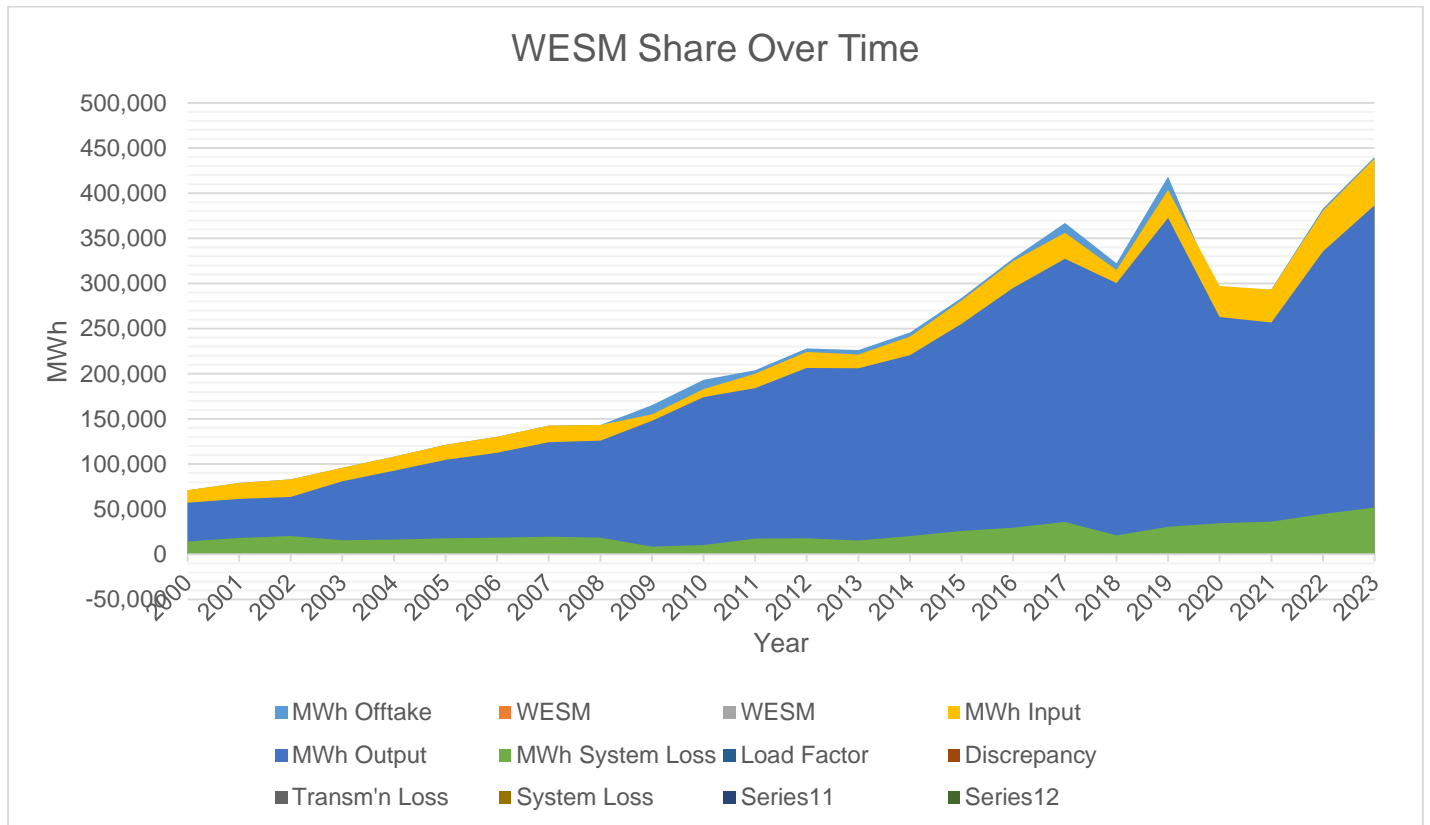


Commercial customers account for the bulk of energy sales at 53% despite of the low number of connections. In contrast, Residential customers accounted for only 40% of energy sales despite of the higher number of connections.

MWh Offtake for Last Historical Year

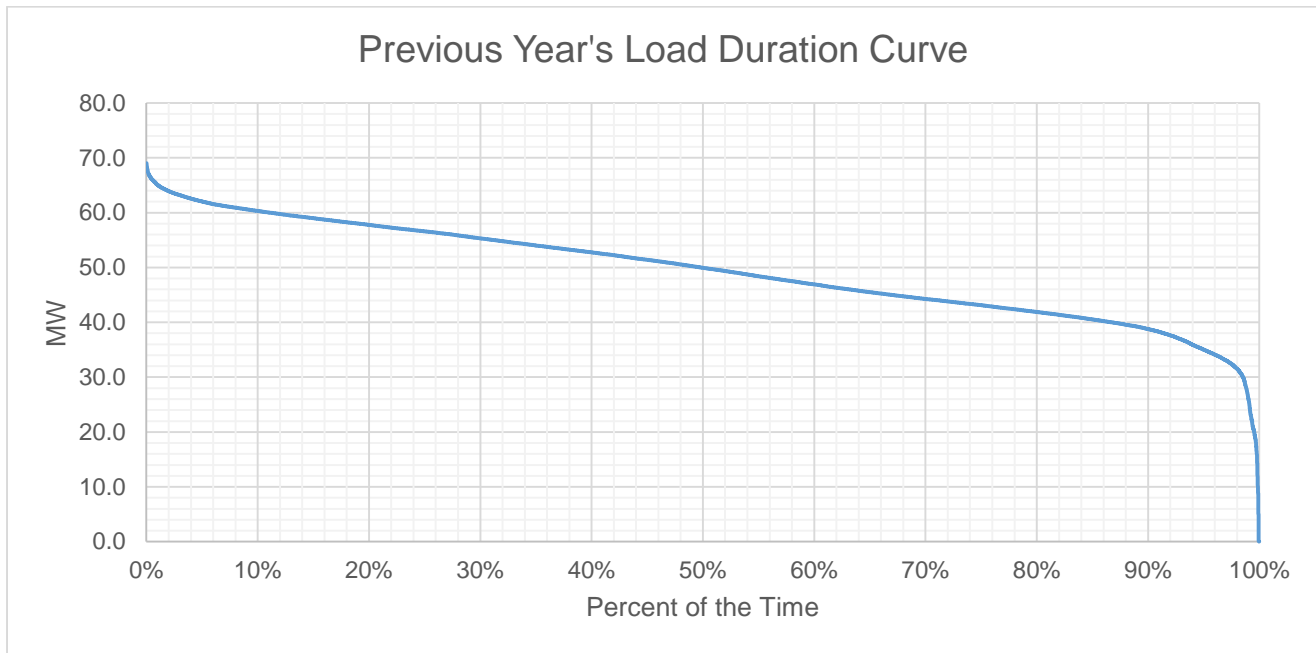


For 2023, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. This is because of ERC revoking the contract for Palm Concepcion Power Corporation due to the ALYANSA case. The PSA with Green Core Geothermal, Inc. accounts for the bulk of MWh Offtake. The Self-Generation Facility (SGF) offtake is estimated for one facility due to damaged metering for the year 2023.

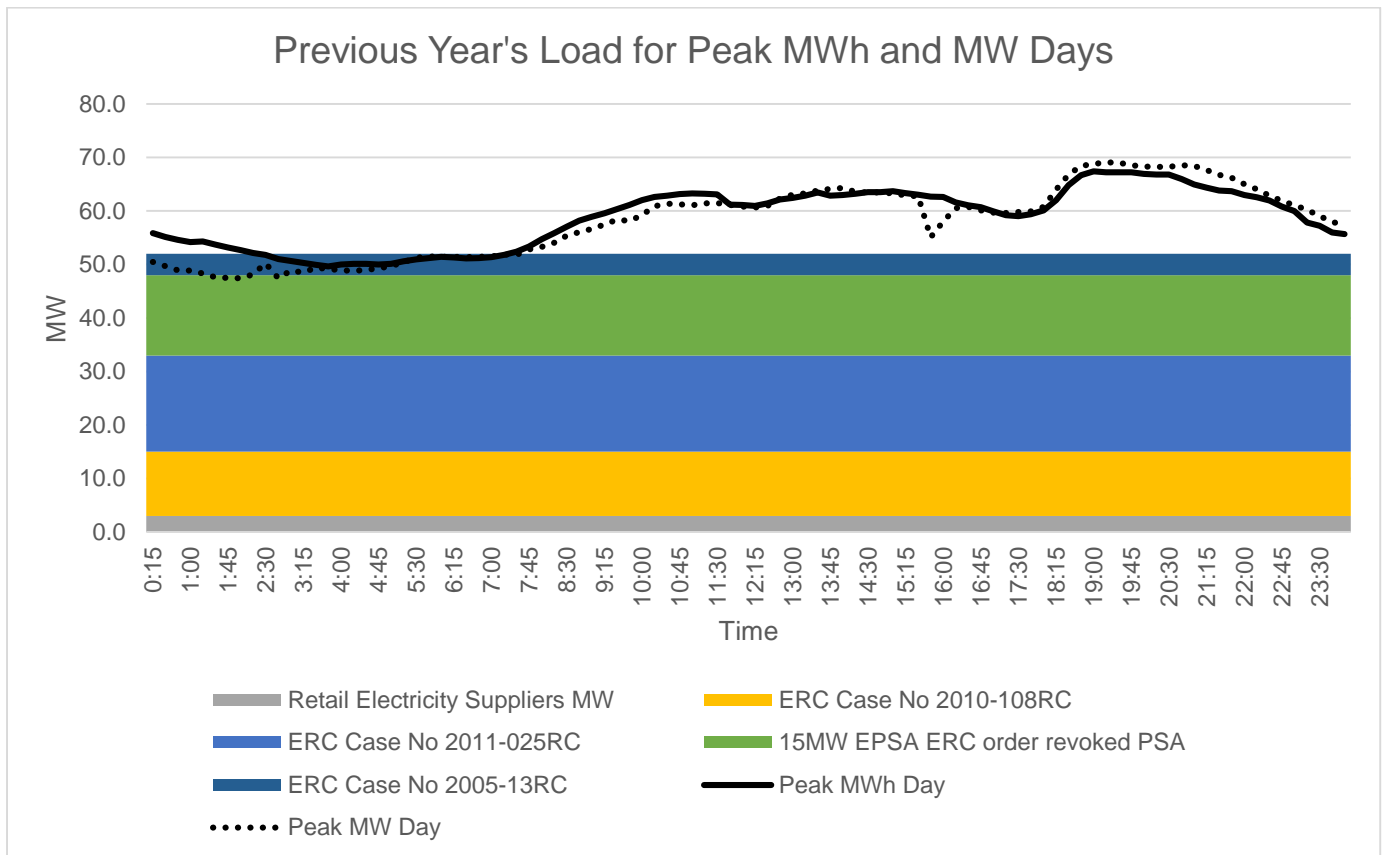


WESM Offtake decreased from 58,854 MWh in 2019 to 9,895 MWh in 2021 due to being over-contracted during the Covid-19 Pandemic. The share of WESM in the total Offtake ranged from 3.4% to 29.4%. WESM transactions increased in 2022 due to the loss of PSALM which provided peaking supply and the increase of price of coal baseload plants due to the conflict in Ukraine. WESM transactions further increased in 2023 due to the revoking of Palm Concepcion Power Corporation's PSA.

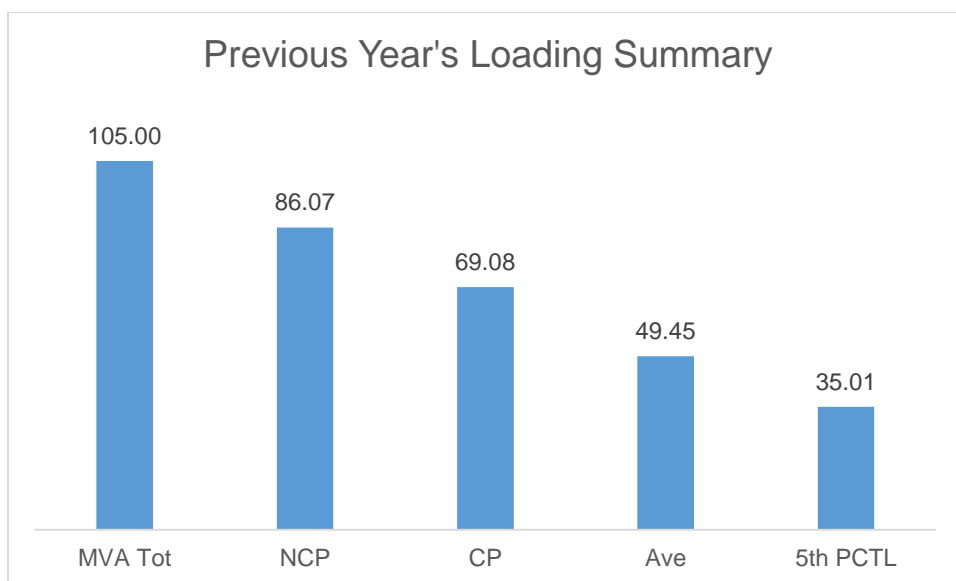
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 35 MW and the maximum load is 69 MW for the last historical year. The maximum load in the "Historical" data differs slightly from the load profile (69.27 and 69.08MW respectively) because it is the hourly coincident peak, whereas the load profile data is the 15min coincident peak which is more granular. This was corrected as per NEA's initial comment.



Peak MW occurred on April 30, 7:15pm due to high temperatures during peak season in Boracay. Peak daily MWh occurred on May 1 due to the same reason (Labor day weekend). The available supply is lower than the Peak Demand.



The Non-coincident Peak Demand is 86MW, which is around 82% of the total substation capacity of 105MVA at a power factor of 0.9837. The load factor or the ratio between the Average Load of 49.45 MW and the *Coincident* Peak Demand is 71.58%. A safe estimate of the true minimum load is the fifth percentile load of 35MW which is 41% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
m1 Andagao	10	11.683
Lezo	20	18.369
m2 Andagao	20	11.804
Nabas	10	6.992
Altavas	10	3.784
Caticlan	10	10.830
Boracay	25	22.608

All the substations are loaded at above 70% except for m2 Andagao, Nabas, and Altavas. This loading problem will be solved by 2024-2025.

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	61.64	34.00	15.00	0.000	3.00	58%	84%	-9.64
	Feb	60.45	34.00	15.00	0.000	3.00	59%	85%	-8.45
	Mar	62.44	34.00	15.00	0.000	3.00	57%	82%	-10.44
	Apr	68.42	34.00	15.00	0.000	3.00	52%	75%	-16.42
	May	69.85	34.00	15.00	0.000	3.00	51%	73%	-17.85
	Jun	66.86	34.00	15.00	0.000	3.00	53%	77%	-14.86

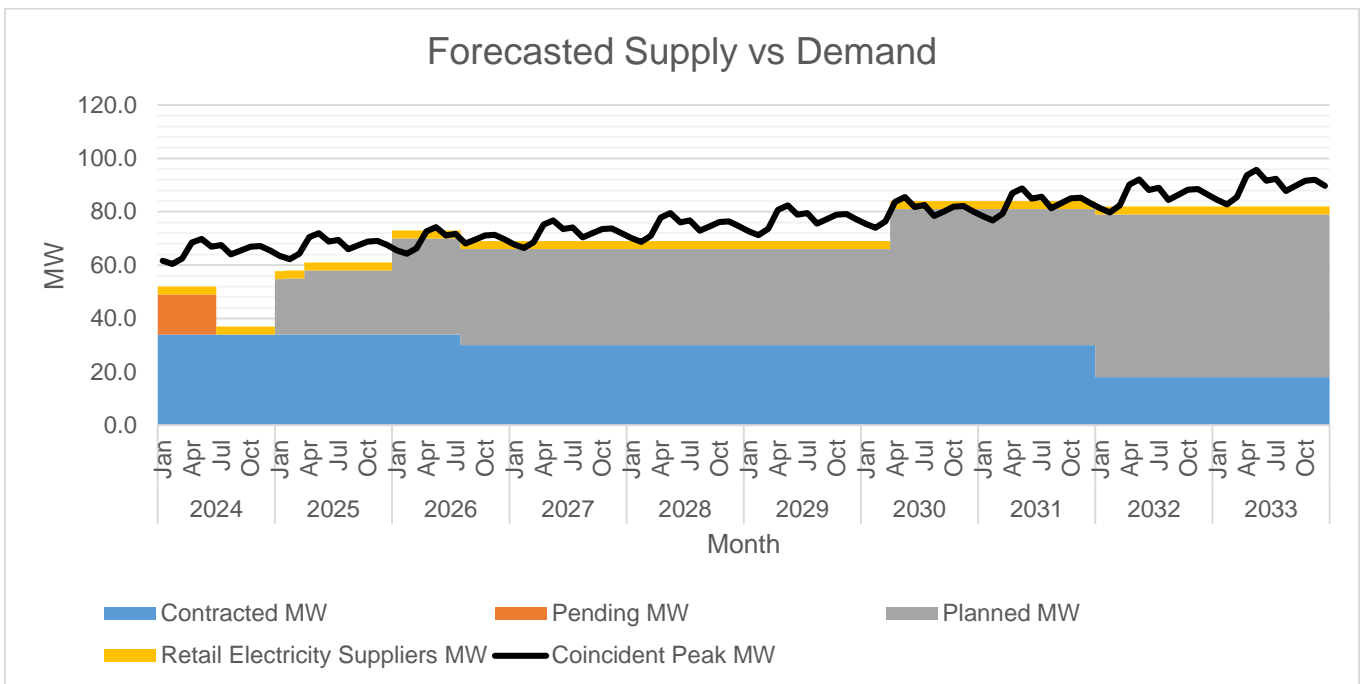
	Jul	67.46	34.00	0.00	0.000	3.00	53%	53%	-30.46
	Aug	64.05	34.00	0.00	0.000	3.00	56%	56%	-27.05
	Sep	65.50	34.00	0.00	0.000	3.00	54%	54%	-28.50
	Oct	66.89	34.00	0.00	0.000	3.00	53%	53%	-29.89
	Nov	67.11	34.00	0.00	0.000	3.00	53%	53%	-30.11
	Dec	65.52	34.00	0.00	0.000	3.00	54%	54%	-28.52
2025	Jan	63.48	34.00	0.00	20.750	3.00	56%	91%	-5.73
	Feb	62.25	34.00	0.00	21.000	3.00	57%	93%	-4.25
	Mar	64.30	34.00	0.00	21.000	3.00	55%	90%	-6.30
	Apr	70.45	34.00	0.00	24.000	3.00	50%	86%	-9.45
	May	71.93	34.00	0.00	24.000	3.00	49%	84%	-10.93
	Jun	68.85	34.00	0.00	24.000	3.00	52%	88%	-7.85
	Jul	69.46	34.00	0.00	24.000	3.00	51%	87%	-8.46
	Aug	65.96	34.00	0.00	24.000	3.00	54%	92%	-4.96
	Sep	67.45	34.00	0.00	24.000	3.00	53%	90%	-6.45
	Oct	68.89	34.00	0.00	24.000	3.00	52%	88%	-7.89
	Nov	69.11	34.00	0.00	24.000	3.00	51%	88%	-8.11
	Dec	67.47	34.00	0.00	24.000	3.00	53%	90%	-6.47
2026	Jan	65.51	34.00	0.00	36.000	3.00	54%	112%	7.49
	Feb	64.24	34.00	0.00	36.000	3.00	56%	114%	8.76
	Mar	66.36	34.00	0.00	36.000	3.00	54%	110%	6.64
	Apr	72.71	34.00	0.00	36.000	3.00	49%	100%	0.29
	May	74.23	34.00	0.00	36.000	3.00	48%	98%	-1.23
	Jun	71.06	34.00	0.00	36.000	3.00	50%	103%	1.94
	Jul	71.69	34.00	0.00	36.000	3.00	49%	102%	1.31
	Aug	68.07	30.00	0.00	36.000	3.00	46%	101%	0.93
	Sep	69.61	30.00	0.00	36.000	3.00	45%	99%	-0.61
	Oct	71.09	30.00	0.00	36.000	3.00	44%	97%	-2.09
	Nov	71.32	30.00	0.00	36.000	3.00	44%	97%	-2.32
	Dec	69.63	30.00	0.00	36.000	3.00	45%	99%	-0.63
2027	Jan	67.73	30.00	0.00	36.000	3.00	46%	102%	1.27
	Feb	66.42	30.00	0.00	36.000	3.00	47%	104%	2.58
	Mar	68.61	30.00	0.00	36.000	3.00	46%	101%	0.39
	Apr	75.17	30.00	0.00	36.000	3.00	42%	91%	-6.17
	May	76.75	30.00	0.00	36.000	3.00	41%	89%	-7.75
	Jun	73.47	30.00	0.00	36.000	3.00	43%	94%	-4.47
	Jul	74.12	30.00	0.00	36.000	3.00	42%	93%	-5.12
	Aug	70.38	30.00	0.00	36.000	3.00	45%	98%	-1.38
	Sep	71.97	30.00	0.00	36.000	3.00	43%	96%	-2.97
	Oct	73.50	30.00	0.00	36.000	3.00	43%	94%	-4.50
	Nov	73.74	30.00	0.00	36.000	3.00	42%	93%	-4.74
	Dec	71.99	30.00	0.00	36.000	3.00	43%	96%	-2.99
2028	Jan	70.13	30.00	0.00	36.000	3.00	45%	98%	-1.13
	Feb	68.77	30.00	0.00	36.000	3.00	46%	100%	0.23
	Mar	71.04	30.00	0.00	36.000	3.00	44%	97%	-2.04
	Apr	77.84	30.00	0.00	36.000	3.00	40%	88%	-8.84
	May	79.47	30.00	0.00	36.000	3.00	39%	86%	-10.47

	Jun	76.07	30.00	0.00	36.000	3.00	41%	90%	-7.07
	Jul	76.74	30.00	0.00	36.000	3.00	41%	89%	-7.74
	Aug	72.87	30.00	0.00	36.000	3.00	43%	94%	-3.87
	Sep	74.52	30.00	0.00	36.000	3.00	42%	92%	-5.52
	Oct	76.11	30.00	0.00	36.000	3.00	41%	90%	-7.11
	Nov	76.35	30.00	0.00	36.000	3.00	41%	90%	-7.35
	Dec	74.54	30.00	0.00	36.000	3.00	42%	92%	-5.54
2029	Jan	72.70	30.00	0.00	36.000	3.00	43%	95%	-3.70
	Feb	71.29	30.00	0.00	36.000	3.00	44%	97%	-2.29
	Mar	73.64	30.00	0.00	36.000	3.00	42%	93%	-4.64
	Apr	80.69	30.00	0.00	36.000	3.00	39%	85%	-11.69
	May	82.37	30.00	0.00	36.000	3.00	38%	83%	-13.37
	Jun	78.85	30.00	0.00	36.000	3.00	40%	87%	-9.85
	Jul	79.55	30.00	0.00	36.000	3.00	39%	86%	-10.55
	Aug	75.54	30.00	0.00	36.000	3.00	41%	91%	-6.54
	Sep	77.25	30.00	0.00	36.000	3.00	40%	89%	-8.25
	Oct	78.89	30.00	0.00	36.000	3.00	40%	87%	-9.89
	Nov	79.14	30.00	0.00	36.000	3.00	39%	87%	-10.14
	Dec	77.27	30.00	0.00	36.000	3.00	40%	89%	-8.27
2030	Jan	75.42	30.00	0.00	36.000	3.00	41%	91%	-6.42
	Feb	73.96	30.00	0.00	36.000	3.00	42%	93%	-4.96
	Mar	76.40	30.00	0.00	36.000	3.00	41%	90%	-7.40
	Apr	83.71	30.00	0.00	51.000	3.00	37%	100%	0.29
	May	85.46	30.00	0.00	51.000	3.00	36%	98%	-1.46
	Jun	81.81	30.00	0.00	51.000	3.00	38%	103%	2.19
	Jul	82.53	30.00	0.00	51.000	3.00	38%	102%	1.47
	Aug	78.37	30.00	0.00	51.000	3.00	40%	107%	5.63
	Sep	80.14	30.00	0.00	51.000	3.00	39%	105%	3.86
	Oct	81.85	30.00	0.00	51.000	3.00	38%	103%	2.15
	Nov	82.11	30.00	0.00	51.000	3.00	38%	102%	1.89
	Dec	80.16	30.00	0.00	51.000	3.00	39%	105%	3.84
2031	Jan	78.30	30.00	0.00	51.000	3.00	40%	108%	5.70
	Feb	76.77	30.00	0.00	51.000	3.00	41%	110%	7.23
	Mar	79.31	30.00	0.00	51.000	3.00	39%	106%	4.69
	Apr	86.90	30.00	0.00	51.000	3.00	36%	97%	-2.90
	May	88.71	30.00	0.00	51.000	3.00	35%	95%	-4.71
	Jun	84.92	30.00	0.00	51.000	3.00	37%	99%	-0.92
	Jul	85.68	30.00	0.00	51.000	3.00	36%	98%	-1.68
	Aug	81.36	30.00	0.00	51.000	3.00	38%	103%	2.64
	Sep	83.19	30.00	0.00	51.000	3.00	37%	101%	0.81
	Oct	84.96	30.00	0.00	51.000	3.00	37%	99%	-0.96
	Nov	85.23	30.00	0.00	51.000	3.00	36%	98%	-1.23
	Dec	83.21	30.00	0.00	51.000	3.00	37%	101%	0.79
2032	Jan	81.30	18.00	0.00	61.000	3.00	23%	101%	0.70
	Feb	79.72	18.00	0.00	61.000	3.00	23%	103%	2.28
	Mar	82.35	18.00	0.00	61.000	3.00	23%	100%	-0.35
	Apr	90.23	18.00	0.00	61.000	3.00	21%	91%	-8.23

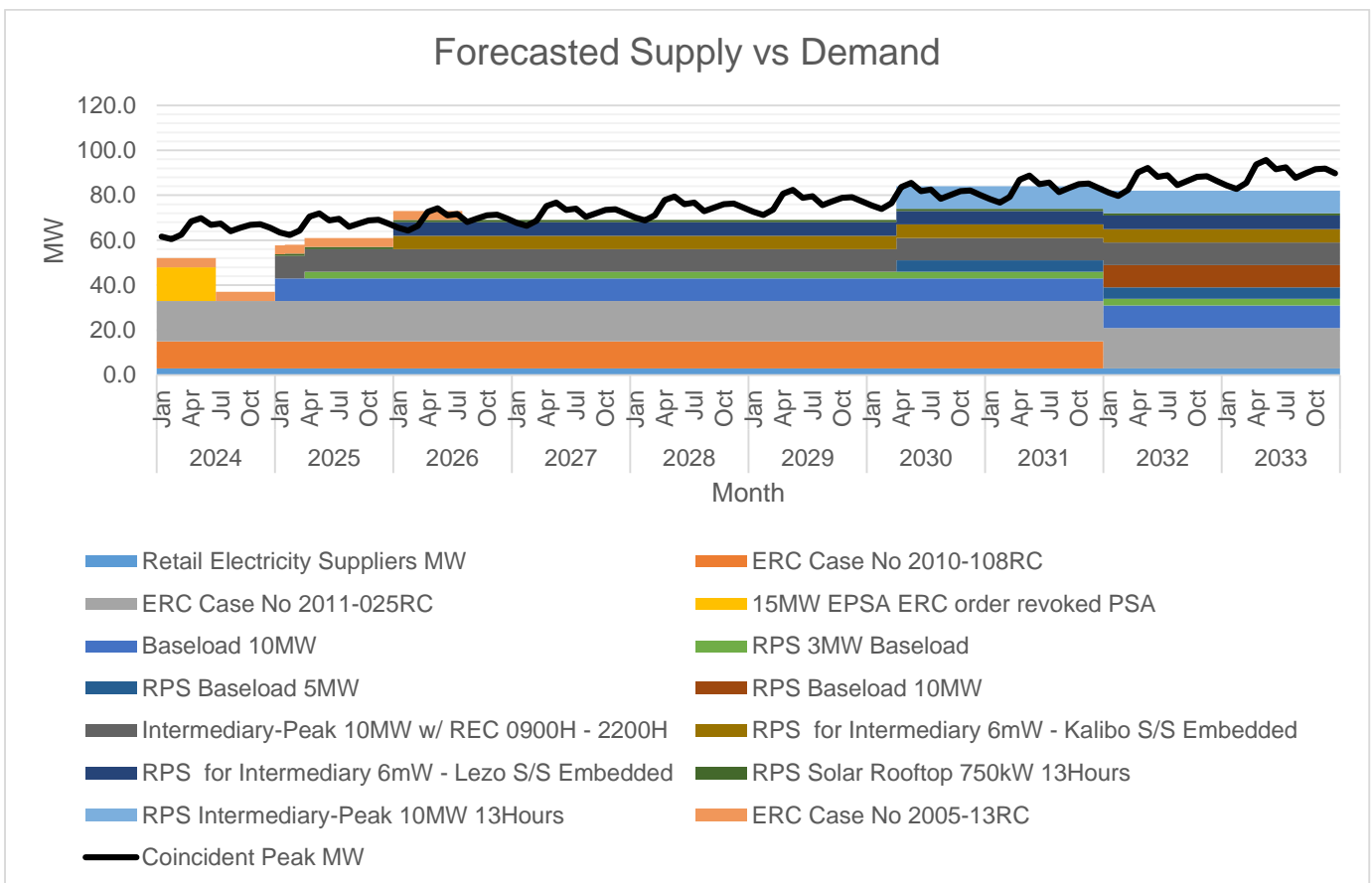
	May	92.12	18.00	0.00	61.000	3.00	20%	89%	-10.12
	Jun	88.18	18.00	0.00	61.000	3.00	21%	93%	-6.18
	Jul	88.97	18.00	0.00	61.000	3.00	21%	92%	-6.97
	Aug	84.48	18.00	0.00	61.000	3.00	22%	97%	-2.48
	Sep	86.39	18.00	0.00	61.000	3.00	22%	95%	-4.39
	Oct	88.23	18.00	0.00	61.000	3.00	21%	93%	-6.23
	Nov	88.51	18.00	0.00	61.000	3.00	21%	92%	-6.51
	Dec	86.41	18.00	0.00	61.000	3.00	22%	95%	-4.41
2033	Jan	84.43	18.00	0.00	61.000	3.00	22%	97%	-2.43
	Feb	82.79	18.00	0.00	61.000	3.00	23%	99%	-0.79
	Mar	85.53	18.00	0.00	61.000	3.00	22%	96%	-3.53
	Apr	93.71	18.00	0.00	61.000	3.00	20%	87%	-11.71
	May	95.67	18.00	0.00	61.000	3.00	19%	85%	-13.67
	Jun	91.58	18.00	0.00	61.000	3.00	20%	89%	-9.58
	Jul	92.39	18.00	0.00	61.000	3.00	20%	88%	-10.39
	Aug	87.74	18.00	0.00	61.000	3.00	21%	93%	-5.74
	Sep	89.71	18.00	0.00	61.000	3.00	21%	91%	-7.71
	Oct	91.62	18.00	0.00	61.000	3.00	20%	89%	-9.62
	Nov	91.92	18.00	0.00	61.000	3.00	20%	89%	-9.92
	Dec	89.74	18.00	0.00	61.000	3.00	21%	91%	-7.74

The Peak Demand was forecasted using regression and was assumed to occur on the month of May. Monthly Peak Demand is at its lowest on the month of February due to cooler weather and low levels of tourism in Boracay during that time. In general, Peak Demand is expected to grow at a rate of 3.56% annually. The forecasted data for MWH Offtake can be lower than the Minimum MW/MWH in the PSA due to the contract allowing lower declaration than the Minimum Energy Offtake (MEOT). This done for certain hours/days where demand is lower than the contracted total to avoid paying for fuel costs when WESM prices are low.

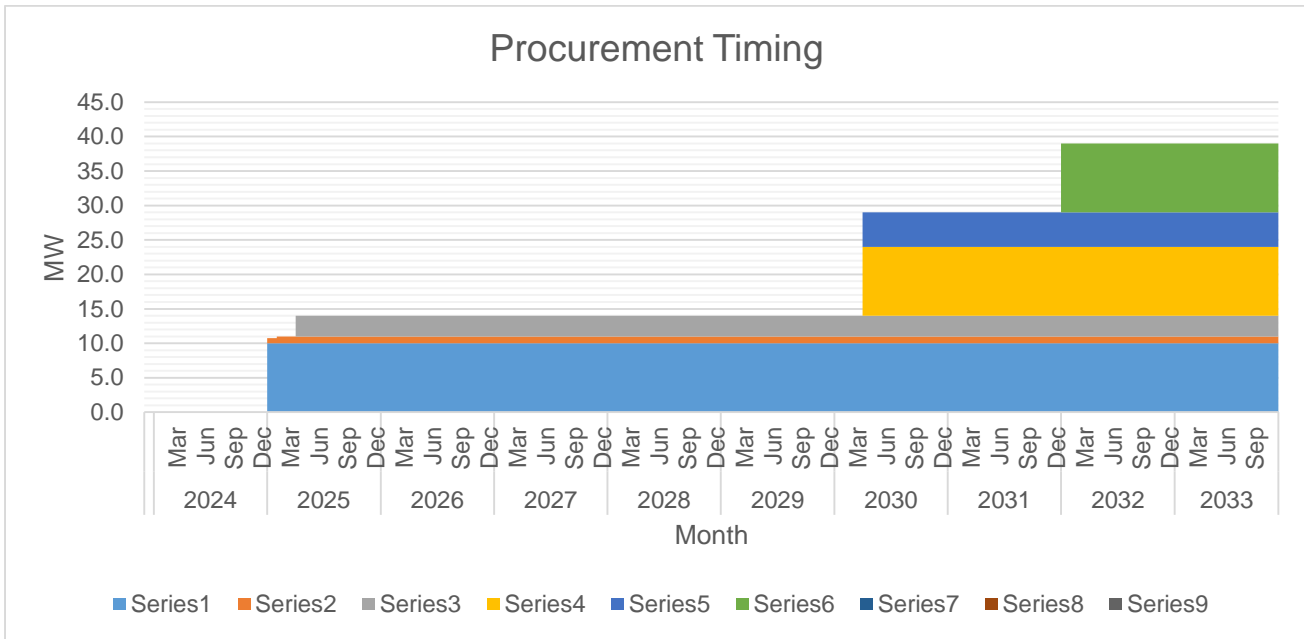
The PSA end of ERC Case No 2011-025RC was corrected to 2040 (2030 in previous PSPP submissions) as per contract re-pricing.



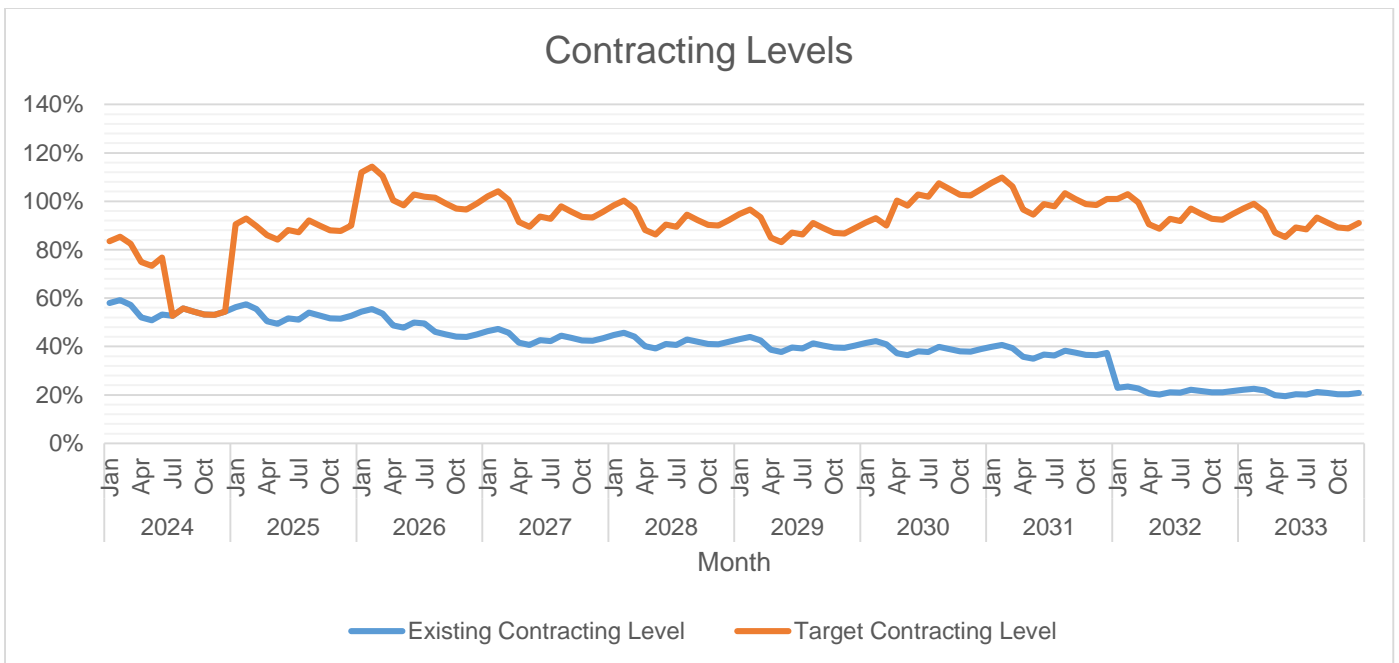
The available supply is generally below the Peak Demand. This is because the difference between the peak demand and base load requirements is very large (almost double). The abrupt loss of contracted MW was due to the loss of PSALM EPSA on July 2022 and ERC revocation of PCPC 10MW baseload on June 2023. These will be replaced by EPSA for the interim and RPS – eligible PSA.



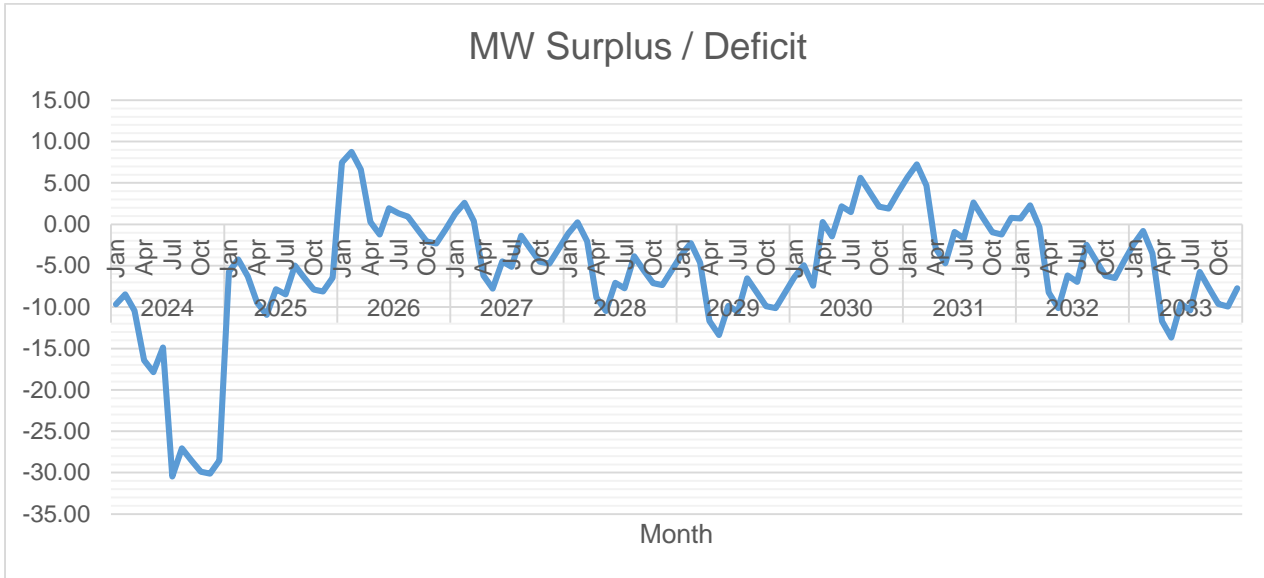
Of the available contracted supply, the largest is 18 MW from GCGI. This is followed by 12 MW from PEDC.



The first wave of supply procurement will be for 10 MW baseload and 10 and 5MW intermediate-peak by January 2025.



Currently, there is under-contracting by 53%. This is due to the ERC revocation of PCPC 10MW and privatization of PSALM supply. The highest target contracting level is 114% which is expected to occur on 2026. The lowest target contracting level is 53% which is expected to occur on 2024.



Currently, there is under-contacting by 16MW if the pending PSA is taken into account. The highest deficit is 30.5MW which is expected to occur on the month of July 2024.

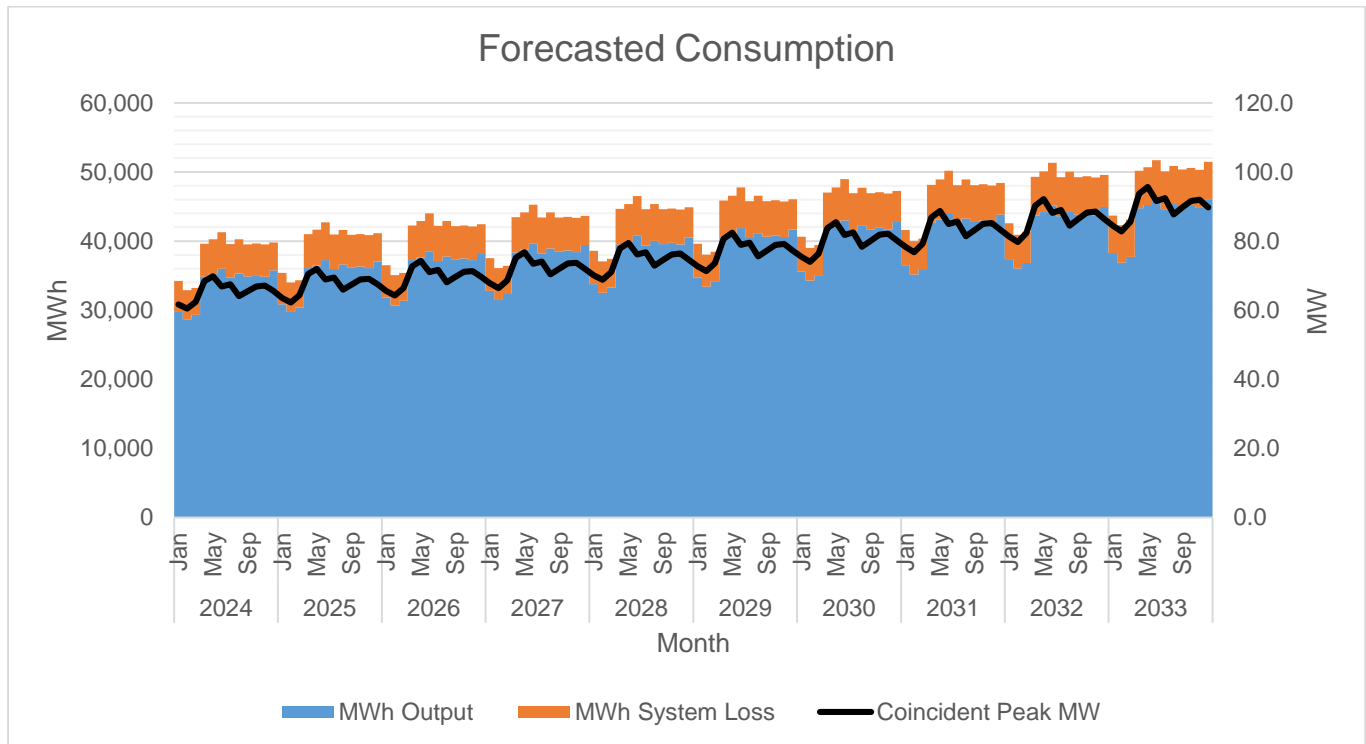
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2024	Jan	34,308	29,761	4,460	0.25%	13.03%
	Feb	32,978	28,690	4,193	0.29%	12.75%
	Mar	33,345	29,348	3,859	0.42%	11.62%
	Apr	39,809	34,828	4,801	0.45%	12.12%
	May	40,440	35,191	5,069	0.44%	12.59%
	Jun	41,463	35,973	5,323	0.40%	12.89%
	Jul	39,713	34,717	4,865	0.33%	12.29%
	Aug	40,391	35,317	4,922	0.38%	12.23%
	Sep	39,698	34,871	4,667	0.40%	11.80%
	Oct	39,764	35,053	4,587	0.31%	11.57%
	Nov	39,594	34,843	4,672	0.20%	11.82%
	Dec	40,201	35,781	3,993	1.06%	10.04%
2025	Jan	35,483	30,839	4,555	0.25%	12.87%
	Feb	34,108	29,727	4,282	0.29%	12.59%
	Mar	34,487	30,403	3,941	0.42%	11.48%
	Apr	41,168	36,079	4,903	0.45%	11.96%
	May	41,817	36,454	5,176	0.44%	12.43%
	Jun	42,873	37,265	5,435	0.40%	12.73%
	Jul	41,068	35,965	4,967	0.33%	12.14%
	Aug	41,773	36,590	5,026	0.38%	12.08%
	Sep	41,058	36,127	4,765	0.40%	11.65%
	Oct	41,125	36,313	4,684	0.31%	11.42%
	Nov	40,951	36,098	4,771	0.20%	11.67%
	Dec	41,588	37,068	4,077	1.06%	9.91%
2026	Jan	36,576	31,836	4,648	0.25%	12.74%
	Feb	35,157	30,686	4,369	0.29%	12.46%
	Mar	35,549	31,380	4,021	0.42%	11.36%

	Apr	42,431	37,236	5,003	0.45%	11.84%
	May	43,097	37,624	5,282	0.44%	12.31%
	Jun	44,184	38,460	5,546	0.40%	12.60%
	Jul	42,327	37,119	5,069	0.33%	12.01%
	Aug	43,055	37,765	5,128	0.38%	11.96%
	Sep	42,326	37,293	4,862	0.40%	11.53%
	Oct	42,393	37,481	4,779	0.31%	11.31%
	Nov	42,211	37,259	4,869	0.20%	11.56%
	Dec	42,873	38,257	4,160	1.06%	9.81%
2027	Jan	37,640	32,805	4,740	0.25%	12.62%
	Feb	36,178	31,617	4,456	0.29%	12.35%
	Mar	36,583	32,330	4,101	0.42%	11.26%
	Apr	43,662	38,362	5,102	0.45%	11.74%
	May	44,346	38,762	5,387	0.44%	12.20%
	Jun	45,462	39,623	5,656	0.40%	12.49%
	Jul	43,555	38,241	5,169	0.33%	11.91%
	Aug	44,303	38,907	5,230	0.38%	11.85%
	Sep	43,562	38,427	4,959	0.40%	11.43%
	Oct	43,630	38,619	4,874	0.31%	11.21%
	Nov	43,439	38,388	4,965	0.20%	11.45%
	Dec	44,127	39,414	4,243	1.06%	9.72%
2028	Jan	38,682	33,753	4,831	0.25%	12.52%
	Feb	37,177	32,528	4,541	0.29%	12.25%
	Mar	37,596	33,260	4,180	0.42%	11.16%
	Apr	44,868	39,465	5,200	0.45%	11.64%
	May	45,570	39,878	5,490	0.44%	12.10%
	Jun	46,715	40,762	5,765	0.40%	12.39%
	Jul	44,757	39,341	5,268	0.33%	11.81%
	Aug	45,526	40,025	5,330	0.38%	11.75%
	Sep	44,773	39,539	5,054	0.40%	11.33%
	Oct	44,842	39,735	4,968	0.31%	11.11%
	Nov	44,643	39,494	5,060	0.20%	11.36%
	Dec	45,355	40,548	4,324	1.06%	9.64%
2029	Jan	39,704	34,684	4,920	0.25%	12.42%
	Feb	38,157	33,421	4,625	0.29%	12.16%
	Mar	38,590	34,173	4,257	0.42%	11.08%
	Apr	46,052	40,547	5,296	0.45%	11.55%
	May	46,773	40,974	5,592	0.44%	12.01%
	Jun	47,945	41,881	5,871	0.40%	12.30%
	Jul	45,939	40,421	5,366	0.33%	11.72%
	Aug	46,727	41,122	5,429	0.38%	11.66%
	Sep	45,964	40,631	5,148	0.40%	11.24%
	Oct	46,034	40,831	5,060	0.31%	11.03%
	Nov	45,825	40,580	5,154	0.20%	11.27%
	Dec	46,561	41,661	4,404	1.06%	9.56%
2030	Jan	40,711	35,599	5,009	0.25%	12.33%
	Feb	39,122	34,300	4,709	0.29%	12.07%

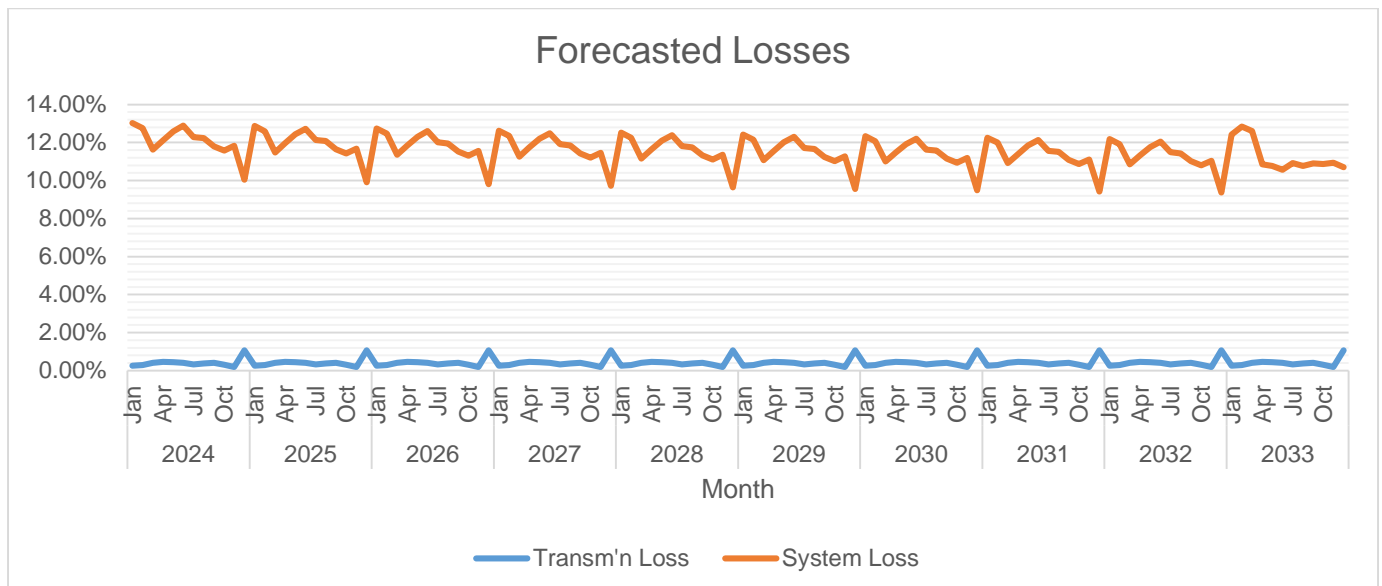
	Mar	39,570	35,072	4,334	0.42%	11.00%
	Apr	47,219	41,613	5,392	0.45%	11.47%
	May	47,960	42,054	5,693	0.44%	11.92%
	Jun	49,159	42,983	5,977	0.40%	12.21%
	Jul	47,103	41,485	5,463	0.33%	11.64%
	Aug	47,910	42,203	5,527	0.38%	11.58%
	Sep	47,138	41,708	5,240	0.40%	11.16%
	Oct	47,209	41,911	5,151	0.31%	10.95%
	Nov	46,990	41,650	5,247	0.20%	11.19%
	Dec	47,750	42,758	4,484	1.06%	9.49%
2031	Jan	41,705	36,502	5,098	0.25%	12.25%
	Feb	40,075	35,167	4,792	0.29%	11.99%
	Mar	40,538	35,959	4,411	0.42%	10.93%
	Apr	48,372	42,665	5,487	0.45%	11.40%
	May	49,133	43,121	5,793	0.44%	11.84%
	Jun	50,358	44,072	6,083	0.40%	12.13%
	Jul	48,254	42,535	5,560	0.33%	11.56%
	Aug	49,080	43,270	5,625	0.38%	11.50%
	Sep	48,299	42,771	5,333	0.40%	11.09%
	Oct	48,371	42,978	5,242	0.31%	10.87%
	Nov	48,142	42,706	5,340	0.20%	11.11%
	Dec	48,926	43,842	4,563	1.06%	9.43%
2032	Jan	42,688	37,395	5,186	0.25%	12.18%
	Feb	41,017	36,024	4,875	0.29%	11.92%
	Mar	41,496	36,836	4,487	0.42%	10.86%
	Apr	49,513	43,706	5,582	0.45%	11.33%
	May	50,294	44,177	5,893	0.44%	11.77%
	Jun	51,545	45,149	6,188	0.40%	12.05%
	Jul	49,393	43,574	5,656	0.33%	11.49%
	Aug	50,237	44,326	5,722	0.38%	11.43%
	Sep	49,448	43,824	5,425	0.40%	11.02%
	Oct	49,522	44,035	5,333	0.31%	10.80%
	Nov	49,281	43,751	5,432	0.20%	11.04%
	Dec	50,089	44,913	4,642	1.06%	9.37%
2033	Jan	43,814	38,278	5,425	0.25%	12.41%
	Feb	42,428	36,872	5,433	0.29%	12.84%
	Mar	43,326	37,706	5,440	0.42%	12.61%
	Apr	50,414	44,738	5,448	0.45%	10.86%
	May	50,907	45,224	5,456	0.44%	10.77%
	Jun	51,891	46,218	5,464	0.40%	10.57%
	Jul	50,243	44,605	5,472	0.33%	10.93%
	Aug	51,044	45,373	5,480	0.38%	10.78%
	Sep	50,559	44,867	5,487	0.40%	10.90%
	Oct	50,736	45,083	5,495	0.31%	10.86%
	Nov	50,390	44,787	5,503	0.20%	10.94%
	Dec	52,041	45,976	5,511	1.06%	10.70%

MWh Offtake was forecasted using regression. The assumed load factor is 70-100% depending on the planned utilization.

System Loss was calculated through a Load Flow Study conducted through DSL Segregator. Based on the same study, the Distribution System can adequately convey electricity to customers.



MWh Output was expected to grow at a rate of 2.83% annually.



Transmission Loss is expected to range from 0.2% to 1.06% while System Loss is expected to range from 9% to 13%.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End	Maximum MW	Maximum MWh/yr
ERC Case No 2010-108RC	Base	Panay Energy Development Corporation	6.00	52,560	12-26-2011	12-25-2031	12	105,120
ERC Case No 2005-13RC	Peaking	Panay Power Corporation	0.00	0	7-26-2006	7-25-2026	5	43,800
ERC Case No 2011-025RC	Base	Green Core Geothermal, Inc.	18.00	78,840	3-26-2010	12-25-2040	18.00	157,680

All the PSA were filed with ERC under the different ERC Cases procured through canvass as the CSP was not yet being required during the contracting years. It was selected to provide for base and peaking requirements with the capacity of 40 MW and 4MW respectively. The minimum MW for the baseload plants were 50% which also corresponds to 50% of its MWh yearly energy.

Historically, the utilization of the PSA is 100%, up until the pandemic restrictions. However, Palm Concepcion Power Corporation (PCPC) was revoked by ERC ending the contract on June 9, 2023. The PSA with Green Core Geothermal, Inc.(GCGI) was corrected to end at 2040 (2030 in previous PSPP submissions). The initial contract was for a period of 10 years from 26 March 2010 to 25 December 2020, but was amended in 2014 to increase the capacity and extend to December 2040 with the contract repricing. However, this is yet to be approved by the ERC post 2020; AKELCO is coordinating with the ERC through GCGI regarding this pending amendment.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
15MW EPSA ERC order revoked PSA	Base	Palm Concepcion Power Corporation	10.50	92,232	6-26-2023	6-25-2024

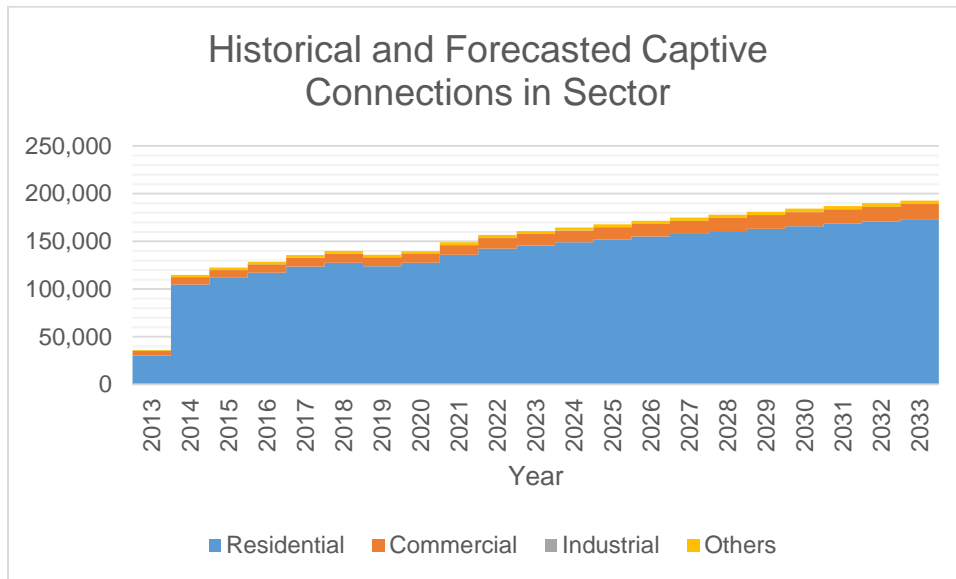
An Emergency Power Supply Agreement (EPSA) was planned to cover the revoked EPSA up until the next CSP pushes through.

	Intermediary-Peak 10MW w/ REC 0900H - 2200H	RPS for Intermediary 6mW - Kalibo S/S Embedded	RPS for Intermediary 6mW - Lezo S/S Embedded	Baseload 10MW	RPS Solar Rooftop 750kW 13Hours	RPS 3MW Baseload	RPS Intermediary-Peak 10MW 13Hours	RPS Baseload 5MW	RPS Baseload 10MW
Type	Intermediate	Intermediate	Intermediate	Base	Intermediate	Base	Intermediate	Base	Base
Minimum MW	5.00	5.40	5.40	5.00	0.68	1.50	5.00	2.50	5.00
Minimum MWh/yr	47,450	9,125	9,125	87,600	1,369	26,280	47,450	43,800	87,600
PSA Start	12-26-2024	12-26-2025	12-26-2025	12-26-2024	12-26-2024	3-26-2025	3-26-2030	3-26-2030	12-26-2031
PSA End	12-25-2039	12-25-2040	12-25-2040	12-25-2039	12-25-2039	3-25-2045	3-25-2050	3-25-2050	12-25-2051
Publication	10-1-2024	10-1-2024	10-1-2024	10-1-2024	10-1-2024	10-1-2024	3-26-2028	3-26-2028	12-26-2029
Pre-bid	10-22-2024	10-22-2024	10-22-2024	10-22-2024	10-22-2024	10-22-2024	4-16-2028	4-16-2028	1-16-2030
Opening	12-21-2024	12-21-2024	12-21-2024	12-21-2024	12-21-2024	12-21-2024	6-15-2028	6-15-2028	3-17-2030
Awarding	1-20-2025	1-20-2025	1-20-2025	1-20-2025	1-20-2025	1-20-2025	7-15-2028	7-15-2028	4-16-2030
PSA Signing	2-19-2025	2-19-2025	2-19-2025	2-19-2025	2-19-2025	2-19-2025	8-14-2028	8-14-2028	5-16-2030
Joint Filing	2-28-2025	2-28-2025	2-28-2025	2-28-2025	2-28-2025	2-28-2025	8-23-2028	8-23-2028	5-25-2030

The 10 MW RPS for Intermediary-Peak supply was originally planned to be available on June 2024 (now December 2024), the first publication or launch of CSP was on April 26, 2022. However, after undergoing 2 failed CSP's under the Panay-Guimaras consortium, the planning was shifted to opt for a 10MW baseload and 10MW Intermediary conventional plants instead. This is because of the difficulty of securing contracts with RECS. The rest of the planned CSP follows the scheduling of the CSP rules with the planned publication in mind.

The minimum MW is 50% for baseload plants and 90% for the others. The minimum MWH of the baseload plants is 100% of the theoretical contracted capacity, while it is prorated for 13 hours for the intermediate-peaking plants.

Captive Customer Connections



The number of residential connections is expected to grow at a rate of 1.7% annually. Said customer class is expected to account for 41% of the total consumption. The number of commercial connections is expected to grow at a rate of 2.9% annually. Said customer class is expected to account for 51% of the total consumption.