

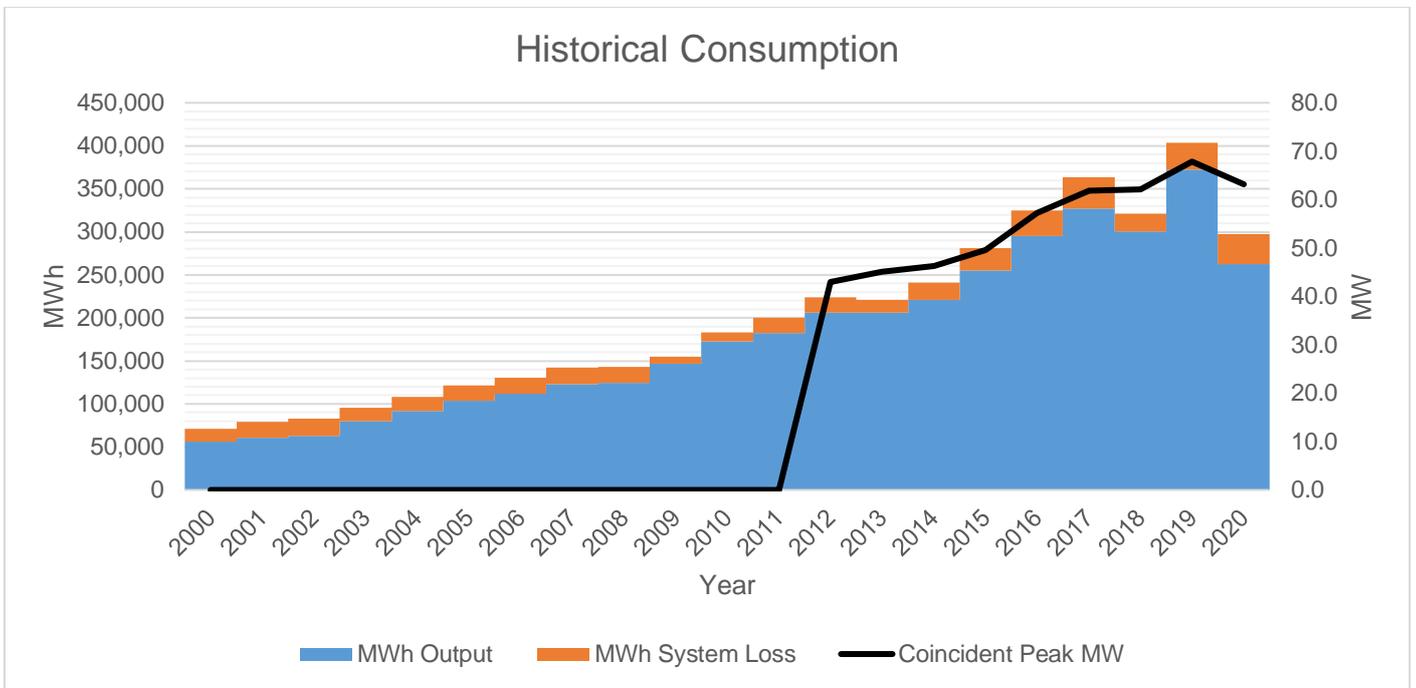
Power Supply Procurement Plan 2021

ELECTRIC COOPERATIVE

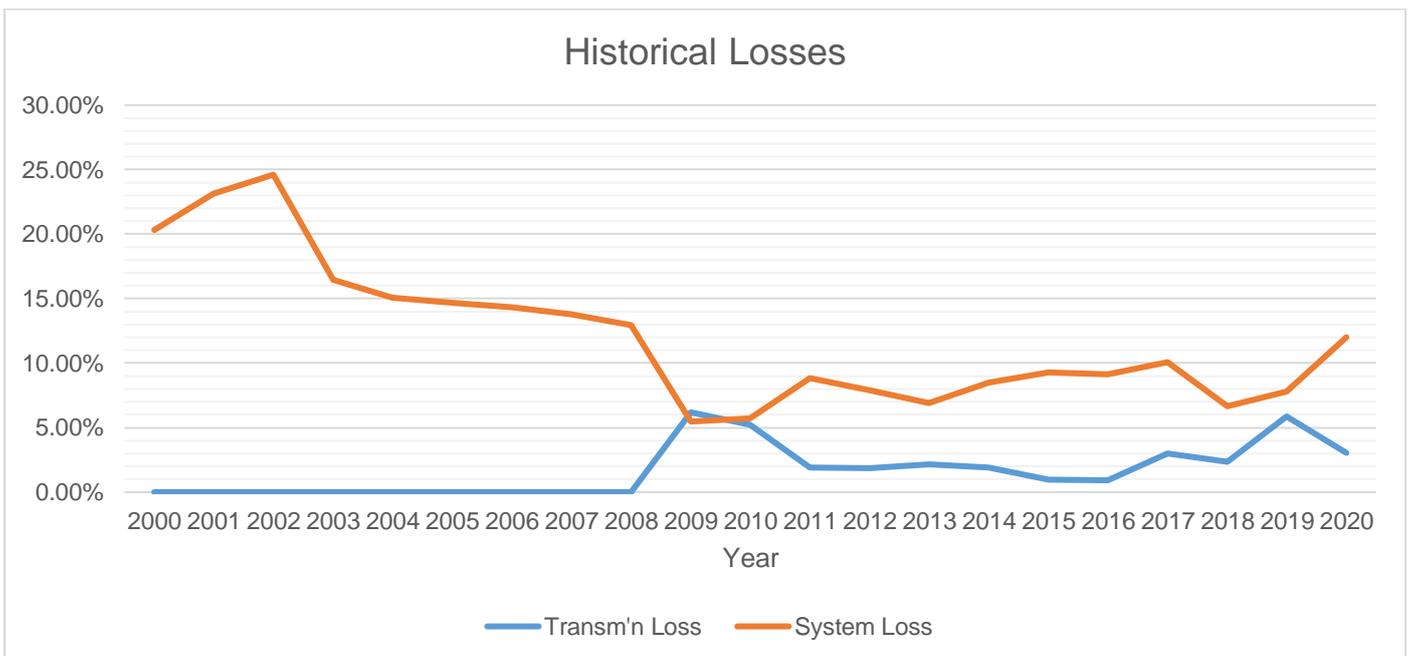
Historical Consumption Data

	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	56,516	14,392	#DIV/0!	0.00%	0.00%	20.30%
2001	18.32	79,075	0	79,075	60,762	18,314	#DIV/0!	0.00%	0.00%	23.16%
2002	22.23	83,074	0	83,074	62,631	20,442	#DIV/0!	0.00%	0.00%	24.61%
2003	23.10	95,895	0	95,895	80,092	15,803	#DIV/0!	0.00%	0.00%	16.48%
2004	26.39	108,125	0	108,125	91,833	16,292	#DIV/0!	0.00%	0.00%	15.07%
2005	26.91	121,292	0	121,292	103,520	17,772	#DIV/0!	0.00%	0.00%	14.65%
2006	28.05	130,154	0	130,154	111,533	18,621	#DIV/0!	0.00%	0.00%	14.31%
2007	28.83	142,591	0	142,591	122,945	19,646	#DIV/0!	0.00%	0.00%	13.78%
2008	31.09	143,249	0	143,249	124,734	18,515	#DIV/0!	0.00%	0.00%	12.92%
2009	33.48	165,405	0	155,177	146,687	8,490	#DIV/0!	0.00%	6.18%	5.47%
2010	38.90	193,201	0	183,158	172,680	10,478	#DIV/0!	0.00%	5.20%	5.72%
2011	42.59	203,893	0	200,012	182,359	17,653	#DIV/0!	0.00%	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	393,836	372,637	30,686	66%	2.41%	5.88%	7.79%
2020	63.23	297,425	10,057	288,330	262,699	34,597	52%	3.11%	3.06%	12.00%

Peak Demand increased from 42.91 MW in 2012 to 63.23 MW in 2020 at a rate of 47% due to the increase in demand of commercial customers. MWh Offtake increased from 226,096 MWh in 2012 to 297,425 MWh in 2020 at a rate of 30% due to the same increase in the commercial customers. Within the same period, Load Factor ranged from 60% to 52%. There was an abrupt change in consumption on 2020 due to the COVID-19 pandemic. **Peak Demand from 2000 – 2011 is Non-Coincident Peak. We have started segregating the data (into CP/NCP) starting year 2012. On the MWh Sales (New), we only have available data segregated into new customer class starting February 2010 , the reason why we only filled up starting 2011.**

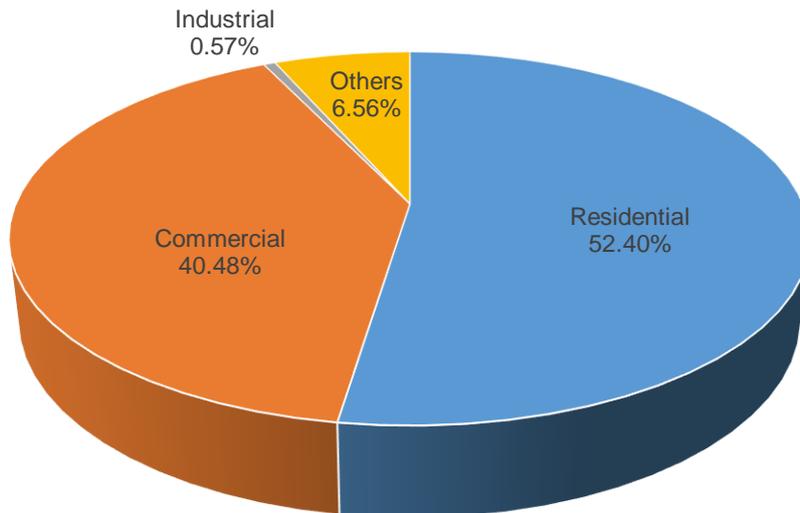


MWh Output increased from year 2012 to year 2020 at a rate of 27%, while MWh System Loss increased at a rate of 95% within the same period.



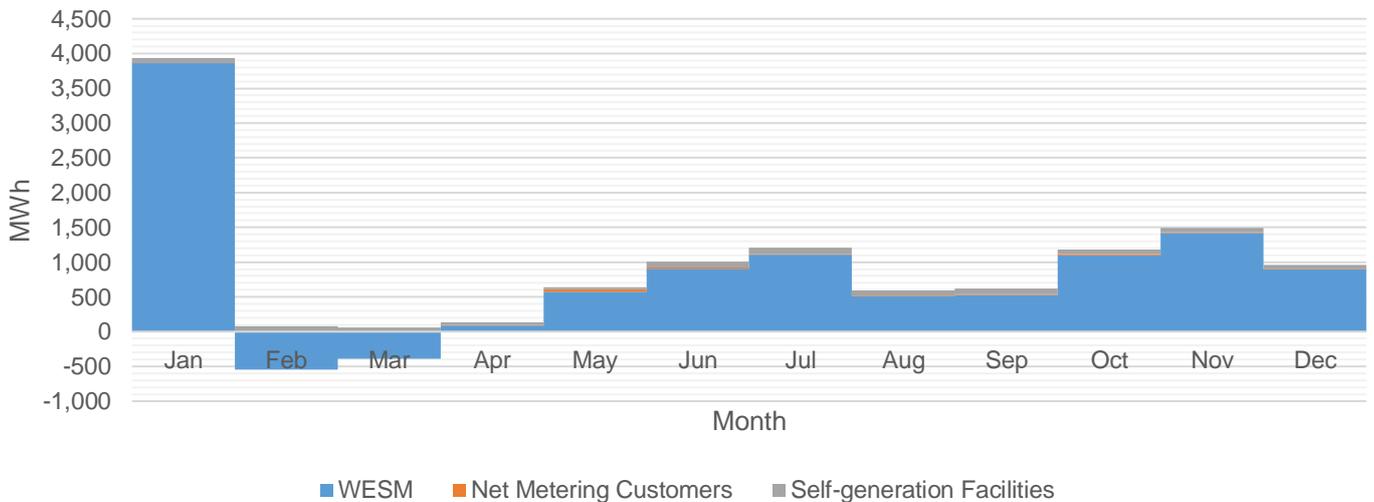
Historically, Transmission Loss ranged from 1.86% to 3.06% while System Loss ranged from 7.91% to 12%. Transmission Loss peaked at 5.88% on year 2019 because of the increase in MWh consumption. System Loss peaked at 12% on year 2020 because of immediate drop in energy consumption.

2020 Shares of Energy Sales

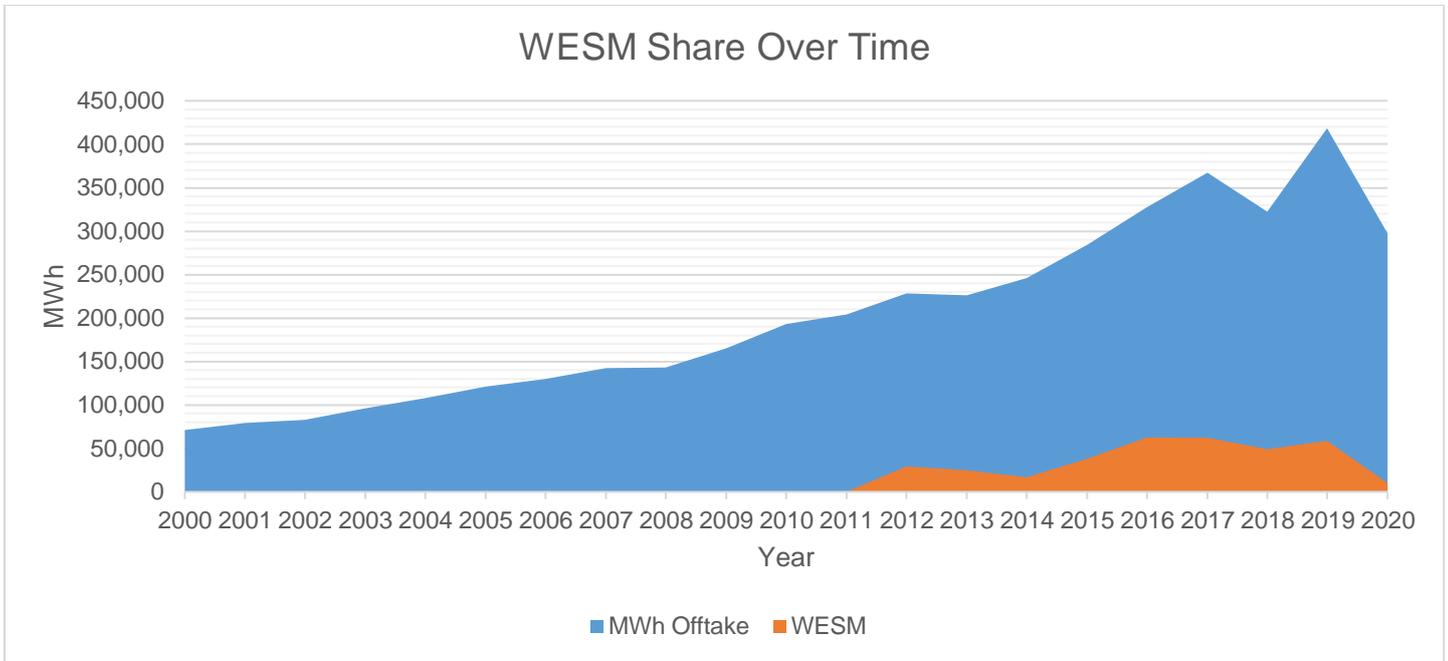


Residential customers account for the bulk of energy sales at 52.40% due to the high number of connections. In contrast, commercial customers accounted for only 40.48% of energy sales due to the low number of connections.

MWh Offtake for Last Historical Year

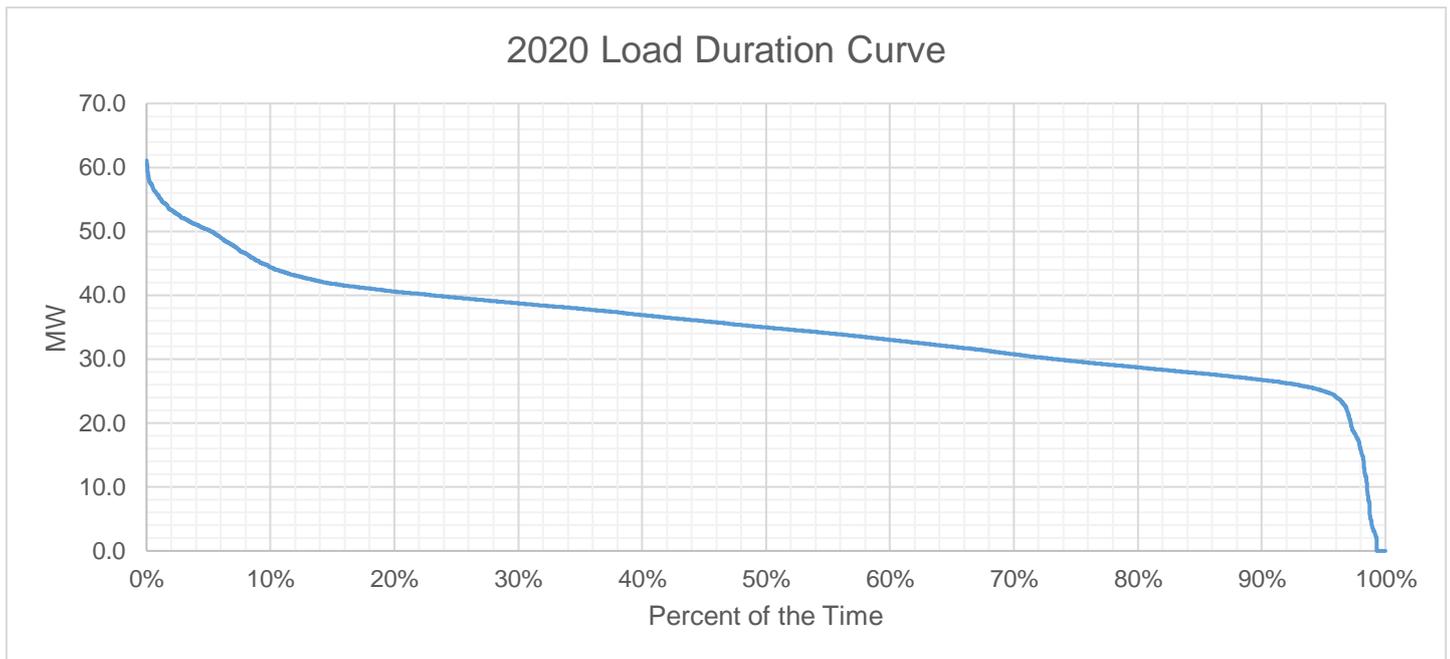


For 2020, the total Offtake for the last historical year is lower than the quantity stipulated in the PSA. The PSA with base supply accounts for the bulk of MWh Offtake.

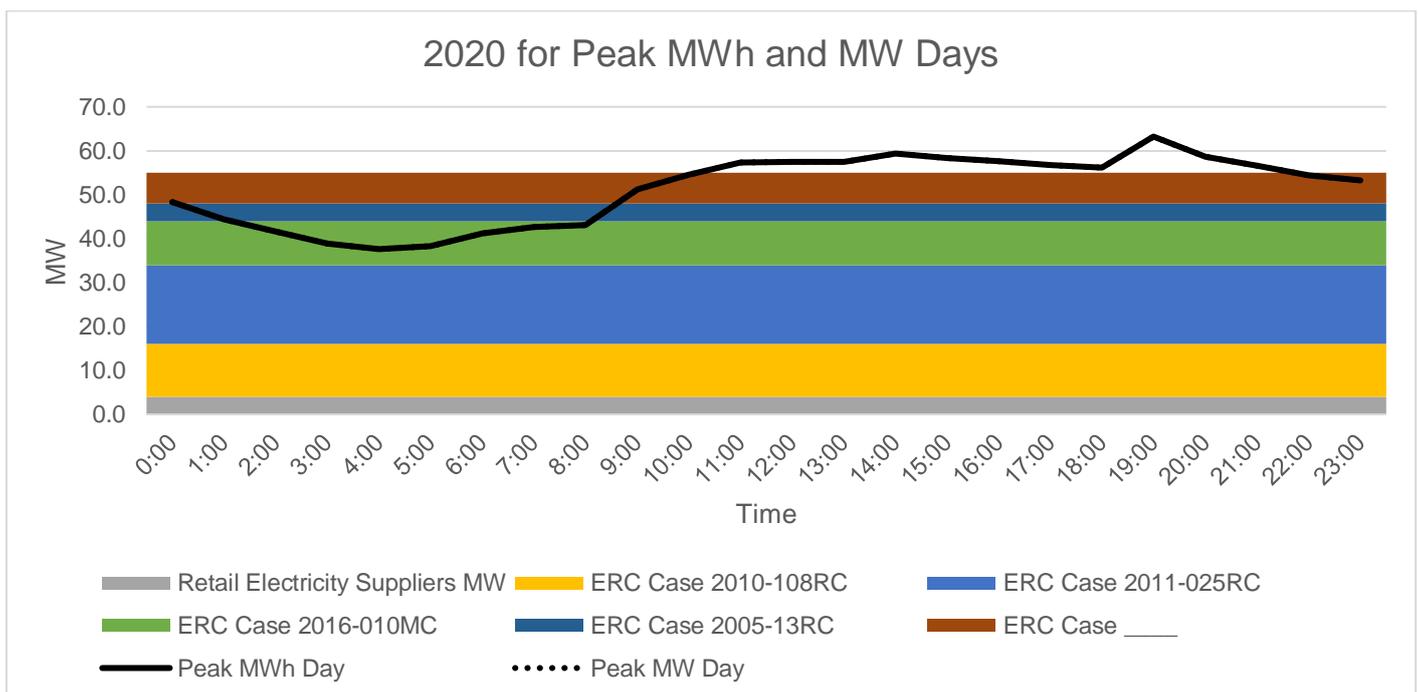


WESM Offtake decreased from 29,251 MWh in 2012 to 10,057 MWh in 2020 at a rate of -66% due to the shutdown of tourists arrivals in the province of Aklan. The share of WESM in the total Offtake ranged from 13% to 3%. The net WESM transaction is negative from 2012 to 2020 because of the Covid-19 Pandemic.

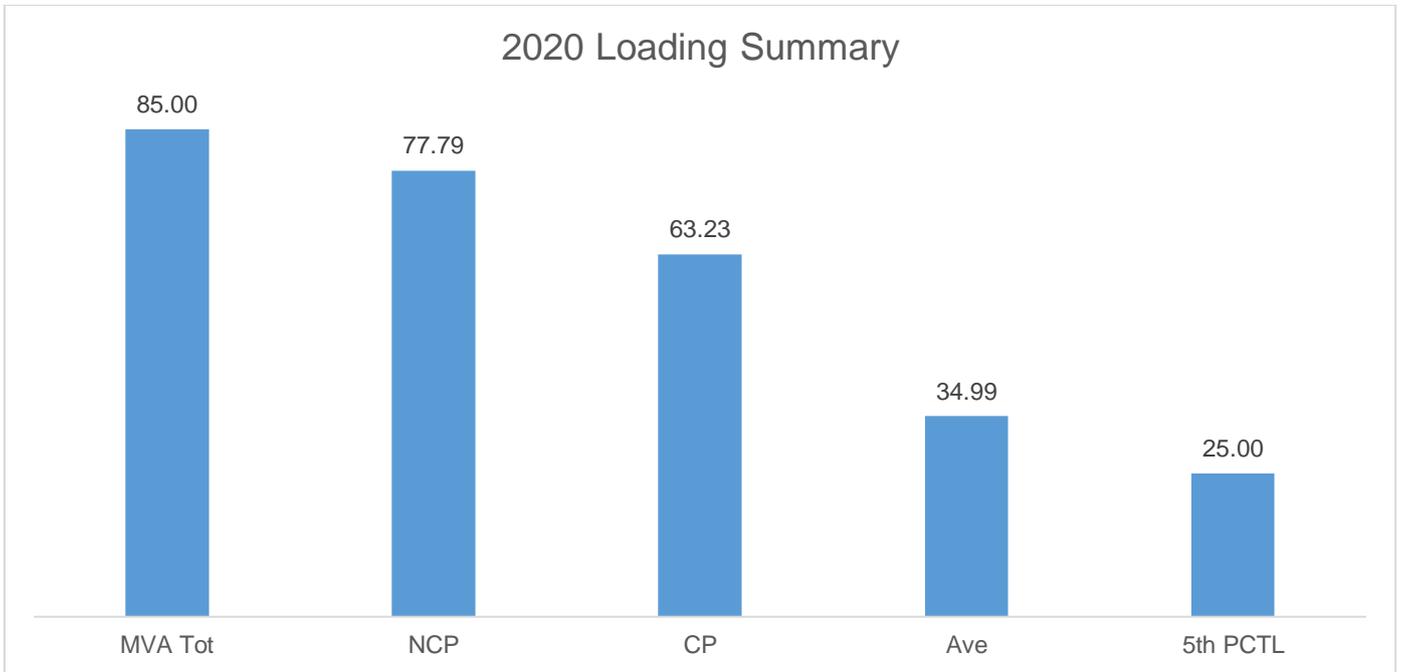
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 25 MW and the maximum load is 62 MW for the last historical year.



Peak MW occurred on 1900H due to increase in demand. Peak daily MWh occurred on 1900H due to increase in energy consumption. As shown in the Load Curves, the available supply is lower than the Peak Demand. The peak demand occurred before March 18, 2020 the start of the Covid-19 restrictions and tourist limitations. **There is no available data for December 26-28, 2019 due to Typhoon Ursula.**



The Non-coincident Peak Demand is 77.79 MW, which is around 91.52% of the total substation capacity of 85 MVA at a power factor of 98.92. The load factor or the ratio between the Average Load of 34.99 MW and the Non-coincident Peak Demand is 44.98% of. A safe estimate of the true minimum load is the fifth percentile load of 25 MW which is 32.14% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
m1 Andagao	10	10.493
Lezo	15	10.967
m2 Andagao	10	11.765
Nabas	10	8.687
Altavas	5	3.357
Caticlan	10	9.190
Boracay	25	23.335

The substations loaded at above 70% are Andagao TR1 and TR2, Lezo, Nabas, Caticlan and Boracay substations. This loading problem will be solved by 2022 to 2023.

Forecasted Consumption Data

		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2021	Jan	42.90	51.00	0.000	3.99	131%	131%	12.09
	Feb	52.10	51.00	0.000	3.92	106%	106%	2.82
	Mar	58.65	51.00	0.000	3.31	92%	92%	-4.34
	Apr	59.47	51.00	0.000	2.15	89%	89%	-6.32
	May	64.73	51.00	0.000	2.20	82%	82%	-11.54
	Jun	67.06	51.00	0.000	1.97	78%	78%	-14.09
	Jul	64.51	51.00	0.000	2.00	82%	82%	-11.51
	Aug	65.40	51.00	0.000	2.00	80%	80%	-12.40
	Sep	61.76	51.00	0.000	2.00	85%	85%	-8.76
	Oct	62.94	51.00	0.000	2.00	84%	84%	-9.94
	Nov	62.76	51.00	0.000	2.00	84%	84%	-9.76
	Dec	61.02	51.00	0.000	2.00	86%	86%	-8.02
2022	Jan	55.31	44.00	0.000	2.00	83%	83%	-9.31
	Feb	54.69	44.00	0.000	2.00	84%	84%	-8.69
	Mar	61.50	44.00	0.000	2.00	74%	74%	-15.50
	Apr	62.42	44.00	0.000	2.00	73%	73%	-16.42
	May	67.94	44.00	0.000	2.00	67%	67%	-21.94
	Jun	70.38	44.00	0.000	2.00	64%	64%	-24.38
	Jul	67.70	44.00	0.000	2.00	67%	67%	-21.70
	Aug	68.66	44.00	0.000	2.00	66%	66%	-22.66
	Sep	64.82	44.00	0.000	2.00	70%	70%	-18.82
	Oct	66.06	44.00	0.000	2.00	69%	69%	-20.06
	Nov	65.87	44.00	0.000	2.00	69%	69%	-19.87
	Dec	64.04	44.00	0.000	2.00	71%	71%	-18.04
2023	Jan	57.88	44.00	0.000	2.00	79%	79%	-11.88
	Feb	57.20	44.00	0.000	2.00	80%	80%	-11.20
	Mar	64.27	44.00	0.000	2.00	71%	71%	-18.27
	Apr	65.28	44.00	0.000	2.00	70%	70%	-19.28

		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	May	71.06	44.00	0.000	2.00	64%	64%	-25.06
	Jun	73.60	44.00	0.000	2.00	61%	61%	-27.60
	Jul	70.79	44.00	0.000	2.00	64%	64%	-24.79
	Aug	71.83	44.00	0.000	2.00	63%	63%	-25.83
	Sep	67.79	44.00	0.000	2.00	67%	67%	-21.79
	Oct	69.09	44.00	0.000	2.00	66%	66%	-23.09
	Nov	68.90	44.00	0.000	2.00	66%	66%	-22.90
	Dec	66.97	44.00	0.000	2.00	68%	68%	-20.97
2024	Jan	60.38	44.00	10.000	2.00	75%	93%	-4.38
	Feb	59.64	44.00	10.000	2.00	76%	94%	-3.64
	Mar	66.94	44.00	10.000	2.00	68%	83%	-10.94
	Apr	68.06	44.00	10.000	2.00	67%	82%	-12.06
	May	74.09	44.00	10.000	2.00	61%	75%	-18.09
	Jun	76.73	44.00	10.000	2.00	59%	72%	-20.73
	Jul	73.80	44.00	10.000	2.00	61%	75%	-17.80
	Aug	74.91	44.00	10.000	2.00	60%	74%	-18.91
	Sep	70.67	44.00	10.000	2.00	64%	79%	-14.67
	Oct	72.02	44.00	10.000	2.00	63%	77%	-16.02
	Nov	71.83	44.00	10.000	2.00	63%	77%	-15.83
	Dec	69.81	44.00	10.000	2.00	65%	80%	-13.81
2025	Jan	62.81	44.00	10.000	2.00	72%	89%	-6.81
	Feb	62.01	44.00	10.000	2.00	73%	90%	-6.01
	Mar	69.52	44.00	10.000	2.00	65%	80%	-13.52
	Apr	70.76	44.00	10.000	2.00	64%	79%	-14.76
	May	77.03	44.00	10.000	2.00	59%	72%	-21.03
	Jun	79.77	44.00	10.000	2.00	57%	69%	-23.77
	Jul	76.71	44.00	10.000	2.00	59%	72%	-20.71
	Aug	77.91	44.00	10.000	2.00	58%	71%	-21.91
	Sep	73.47	44.00	10.000	2.00	62%	76%	-17.47
	Oct	74.87	44.00	10.000	2.00	60%	74%	-18.87

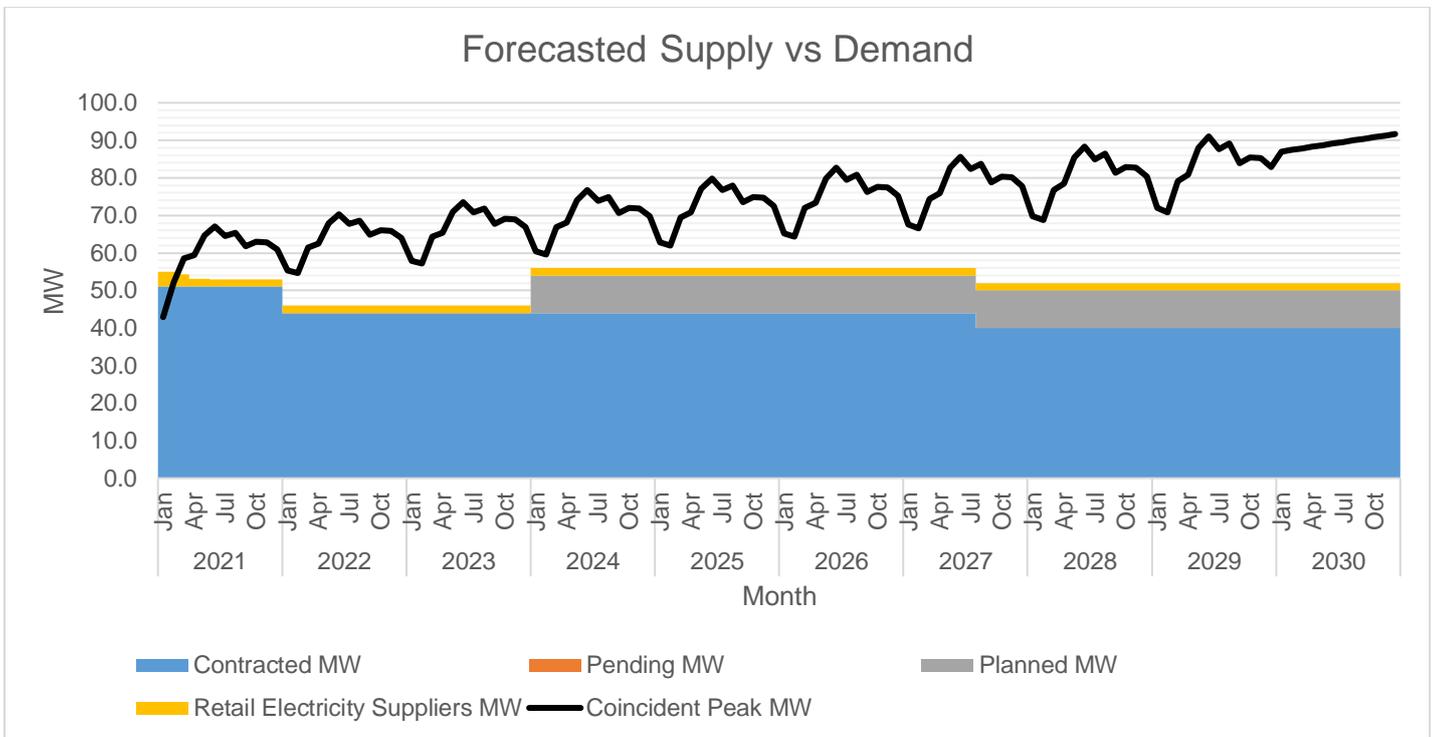
		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Nov	74.69	44.00	10.000	2.00	61%	74%	-18.69
	Dec	72.57	44.00	10.000	2.00	62%	77%	-16.57
2026	Jan	65.18	44.00	10.000	2.00	70%	85%	-9.18
	Feb	64.31	44.00	10.000	2.00	71%	87%	-8.31
	Mar	72.03	44.00	10.000	2.00	63%	77%	-16.03
	Apr	73.38	44.00	10.000	2.00	62%	76%	-17.38
	May	79.89	44.00	10.000	2.00	56%	69%	-23.89
	Jun	82.72	44.00	10.000	2.00	55%	67%	-26.72
	Jul	79.55	44.00	10.000	2.00	57%	70%	-23.55
	Aug	80.82	44.00	10.000	2.00	56%	69%	-24.82
	Sep	76.19	44.00	10.000	2.00	59%	73%	-20.19
	Oct	77.64	44.00	10.000	2.00	58%	71%	-21.64
	Nov	77.46	44.00	10.000	2.00	58%	72%	-21.46
	Dec	75.25	44.00	10.000	2.00	60%	74%	-19.25
2027	Jan	67.49	44.00	10.000	2.00	67%	82%	-11.49
	Feb	66.55	44.00	10.000	2.00	68%	84%	-10.55
	Mar	74.45	44.00	10.000	2.00	61%	75%	-18.45
	Apr	75.93	44.00	10.000	2.00	60%	73%	-19.93
	May	82.67	44.00	10.000	2.00	55%	67%	-26.67
	Jun	85.59	44.00	10.000	2.00	53%	65%	-29.59
	Jul	82.30	44.00	10.000	2.00	55%	67%	-26.30
	Aug	83.66	40.00	10.000	2.00	49%	61%	-31.66
	Sep	78.84	40.00	10.000	2.00	52%	65%	-26.84
	Oct	80.33	40.00	10.000	2.00	51%	64%	-28.33
	Nov	80.16	40.00	10.000	2.00	51%	64%	-28.16
	Dec	77.86	40.00	10.000	2.00	53%	66%	-25.86
2028	Jan	69.75	40.00	10.000	2.00	59%	74%	-17.75
	Feb	68.74	40.00	10.000	2.00	60%	75%	-16.74
	Mar	76.81	40.00	10.000	2.00	53%	67%	-24.81
	Apr	78.41	40.00	10.000	2.00	52%	65%	-26.41

		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	May	85.38	40.00	10.000	2.00	48%	60%	-33.38
	Jun	88.38	40.00	10.000	2.00	46%	58%	-36.38
	Jul	84.98	40.00	10.000	2.00	48%	60%	-32.98
	Aug	86.43	40.00	10.000	2.00	47%	59%	-34.43
	Sep	81.42	40.00	10.000	2.00	50%	63%	-29.42
	Oct	82.95	40.00	10.000	2.00	49%	62%	-30.95
	Nov	82.79	40.00	10.000	2.00	50%	62%	-30.79
	Dec	80.39	40.00	10.000	2.00	51%	64%	-28.39
2029	Jan	71.96	40.00	10.000	2.00	57%	71%	-19.96
	Feb	70.87	40.00	10.000	2.00	58%	73%	-18.87
	Mar	79.09	40.00	10.000	2.00	52%	65%	-27.09
	Apr	80.83	40.00	10.000	2.00	51%	63%	-28.83
	May	88.02	40.00	10.000	2.00	46%	58%	-36.02
	Jun	91.10	40.00	10.000	2.00	45%	56%	-39.10
	Jul	87.59	40.00	10.000	2.00	47%	58%	-35.59
	Aug	89.13	40.00	10.000	2.00	46%	57%	-37.13
	Sep	83.94	40.00	10.000	2.00	49%	61%	-31.94
	Oct	85.51	40.00	10.000	2.00	48%	60%	-33.51
	Nov	85.35	40.00	10.000	2.00	48%	60%	-33.35
	Dec	82.86	40.00	10.000	2.00	49%	62%	-30.86
2030	Jan	87.05	40.00	10.000	2.00	47%	59%	-35.05
	Feb	87.47	40.00	10.000	2.00	47%	58%	-35.47
	Mar	87.89	40.00	10.000	2.00	47%	58%	-35.89
	Apr	88.31	40.00	10.000	2.00	46%	58%	-36.31
	May	88.74	40.00	10.000	2.00	46%	58%	-36.74
	Jun	89.16	40.00	10.000	2.00	46%	57%	-37.16
	Jul	89.58	40.00	10.000	2.00	46%	57%	-37.58
	Aug	90.00	40.00	10.000	2.00	45%	57%	-38.00
	Sep	90.42	40.00	10.000	2.00	45%	57%	-38.42
	Oct	90.84	40.00	10.000	2.00	45%	56%	-38.84

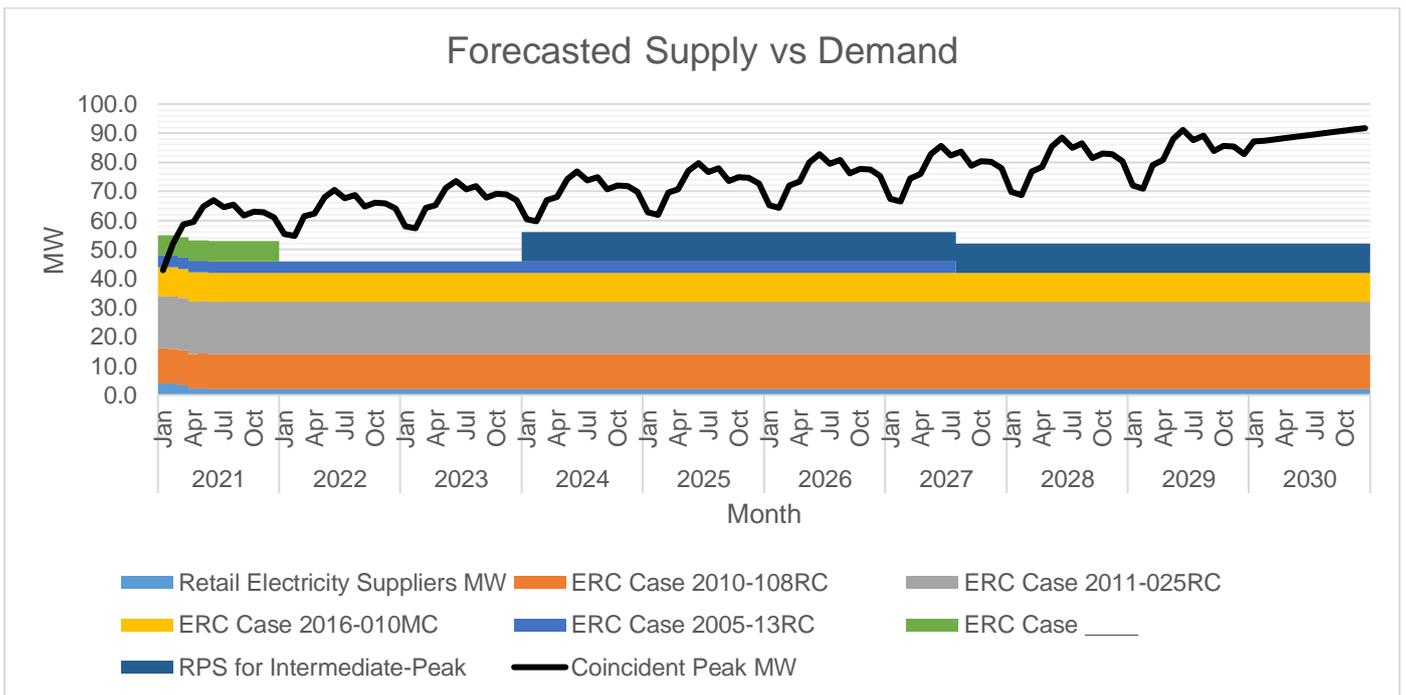
		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Nov	91.26	40.00	10.000	2.00	45%	56%	-39.26
	Dec	91.69	40.00	10.000	2.00	45%	56%	-39.69

The Peak Demand was forecasted using time series regression and was assumed to occur on the month of June due to historical increase of demand during those previous years. Monthly Peak Demand is at its lowest on the month of January due to previous experience of cold monsoon in the same month. In general, Peak Demand is expected to grow at a rate of 3.2% annually.

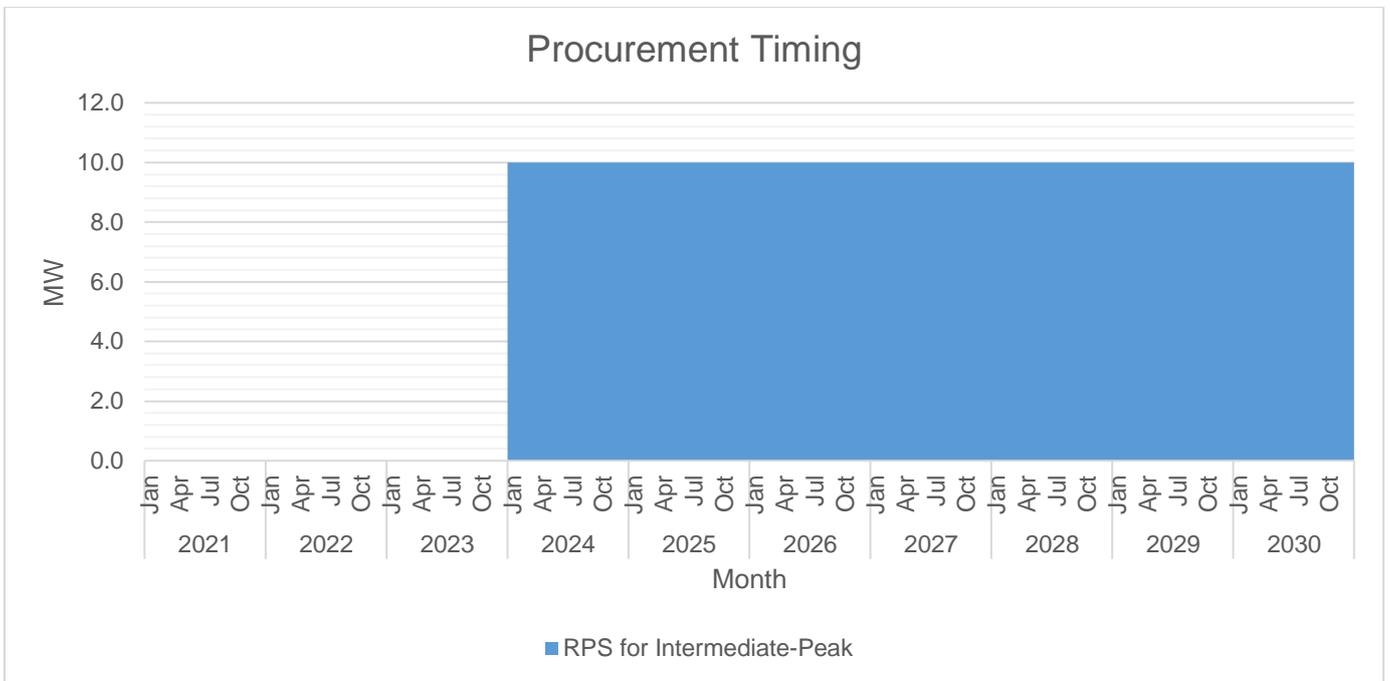
There are suppressed load in the island of Boracay brought about by the COVID-19 pandemic reducing drastically tourist arrivals in the province of Aklan.



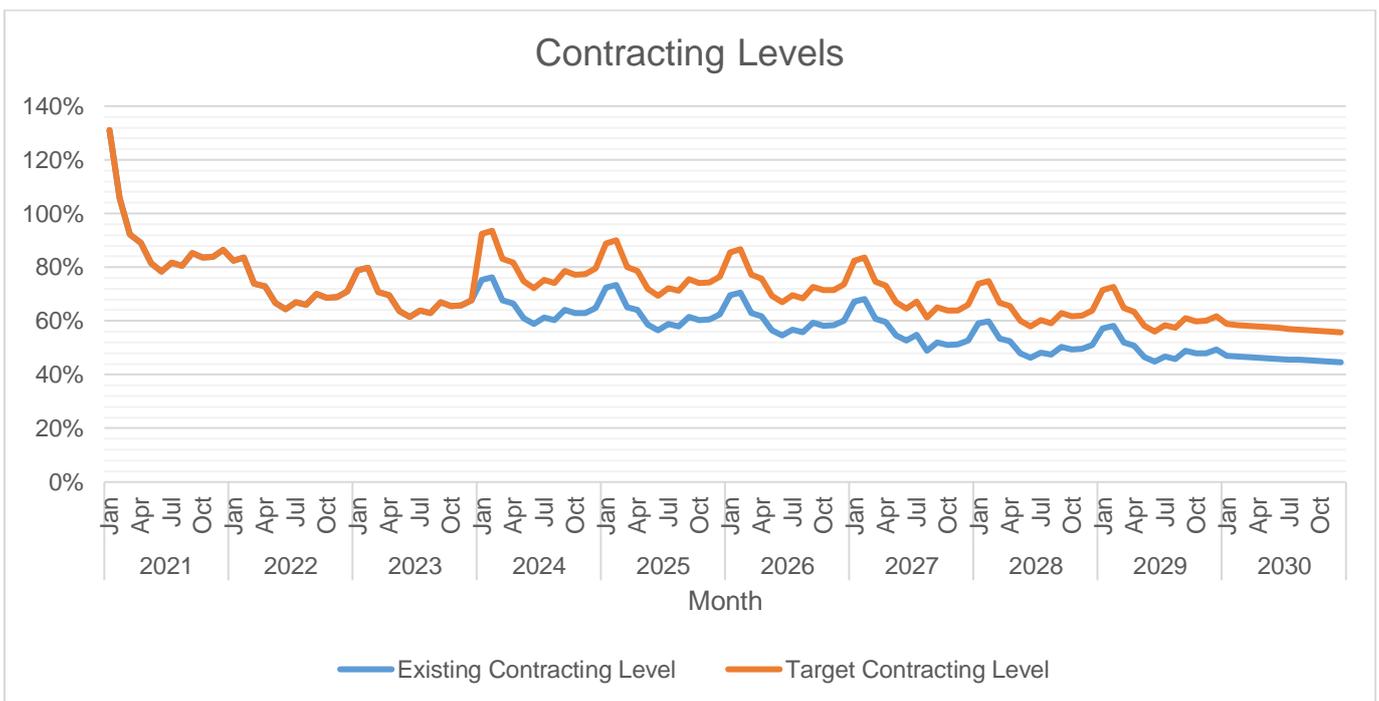
The available supply is generally above the Peak Demand. This is because of the projected growth in the province of Aklan.



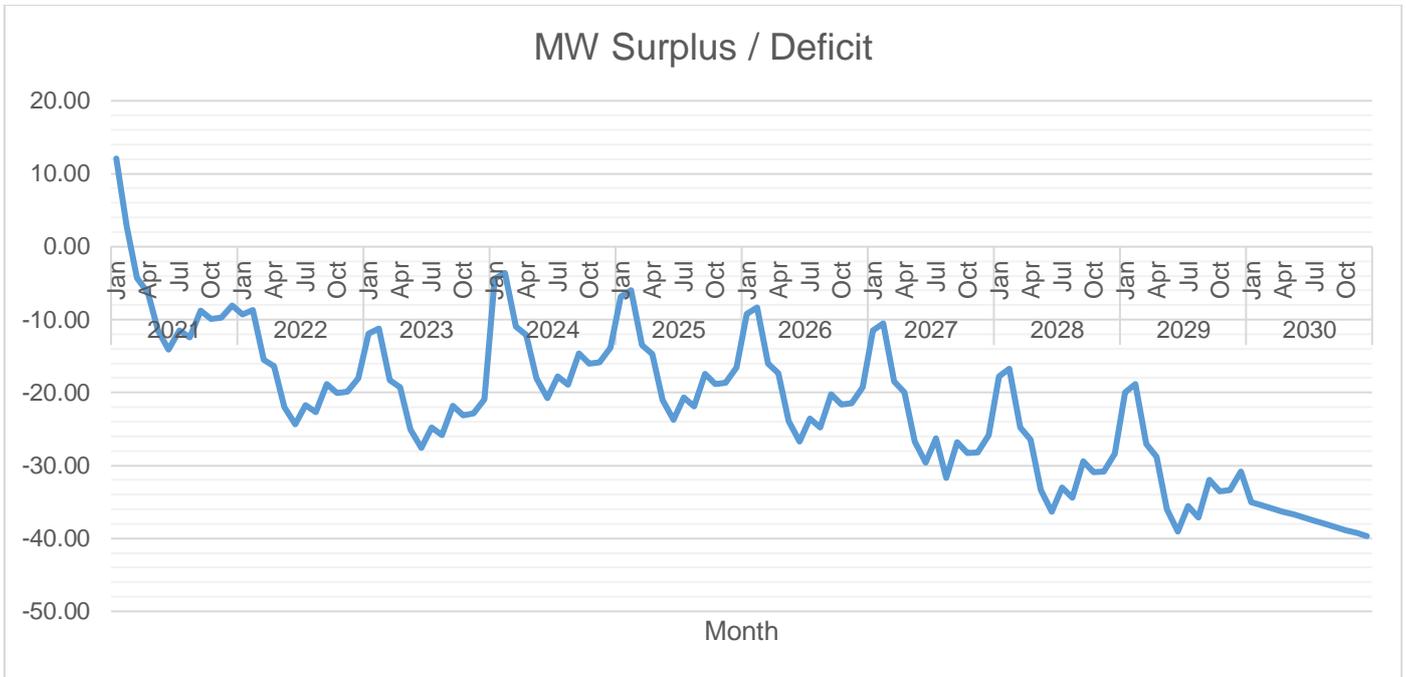
Of the available supply, the largest is 18 MW from Green Core Geothermal Inc. This is followed by 12 MW from Panay Energy Development Corporation, followed by 10 MW from Palm Concepcion Power Corporation.



The first wave of supply procurement will be for 10 MW planned to be available by the month of December 2024.



Currently, there is under-contracting by 10%. The highest target contracting level is 94% which is expected to occur on January 2024. The lowest target contracting level is 58% which is expected to occur on December 2030.



Currently, there is under-contacting by about 14 MW. The highest deficit is 39.69 MW which is expected to occur on the month of December 2030. The lowest [surplus/deficit] is 39.69 MW which is expected to occur on the month of December 2030.

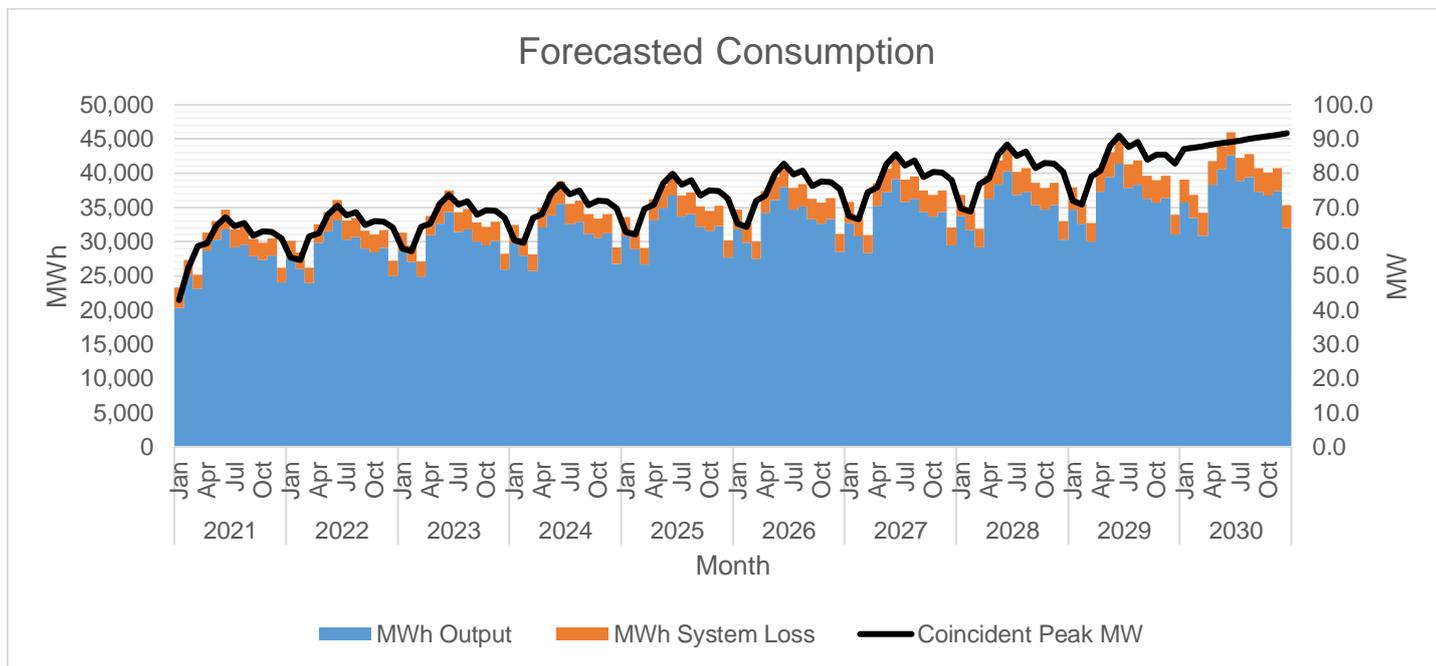
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2021	Jan	19,278	20,291	3,027	-20.96%	12.98%
	Feb	32,338	25,047	2,297	15.44%	8.40%
	Mar	29,237	23,057	2,115	13.90%	8.40%
	Apr	32,455	28,679	2,631	3.53%	8.40%
	May	31,475	30,252	2,777	-4.94%	8.41%
	Jun	32,558	31,785	2,916	-6.58%	8.40%
	Jul	31,546	29,158	2,667	-0.88%	8.38%
	Aug	32,584	29,506	2,697	1.17%	8.38%
	Sep	32,401	27,839	2,556	6.19%	8.41%
	Oct	31,321	27,306	2,512	4.80%	8.42%
	Nov	32,455	27,934	2,560	6.04%	8.40%
	Dec	31,419	24,002	2,189	16.64%	8.36%
2022	Jan	31,245	27,602	2,541	3.53%	8.43%
	Feb	31,286	26,039	2,389	9.14%	8.40%
	Mar	28,288	23,969	2,199	7.49%	8.40%
	Apr	31,407	29,815	2,736	-3.64%	8.40%
	May	30,462	31,457	2,888	-12.75%	8.41%
	Jun	31,512	33,051	3,033	-14.51%	8.41%
	Jul	30,536	30,299	2,772	-8.30%	8.38%
	Aug	31,540	30,669	2,804	-6.13%	8.38%
	Sep	31,351	28,951	2,659	-0.83%	8.41%
	Oct	30,304	28,404	2,614	-2.36%	8.43%
	Nov	31,407	29,039	2,662	-0.94%	8.40%
	Dec	30,405	24,937	2,275	10.50%	8.36%
2023	Jan	31,277	28,661	2,640	-0.07%	8.43%
	Feb	31,319	27,015	2,480	5.83%	8.41%

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Mar	28,319	24,869	2,282	4.12%	8.41%
	Apr	31,443	30,935	2,839	-7.42%	8.41%
	May	30,499	32,644	2,998	-16.86%	8.41%
	Jun	31,552	34,300	3,149	-18.69%	8.41%
	Jul	30,575	31,423	2,876	-12.18%	8.38%
	Aug	31,580	31,814	2,910	-9.96%	8.38%
	Sep	31,386	30,047	2,761	-4.53%	8.41%
	Oct	30,337	29,488	2,714	-6.15%	8.43%
	Nov	31,443	30,128	2,763	-4.61%	8.40%
	Dec	30,440	25,857	2,360	7.30%	8.36%
2024	Jan	32,858	29,706	2,737	1.27%	8.44%
	Feb	32,902	27,978	2,569	7.16%	8.41%
	Mar	29,749	25,755	2,364	5.48%	8.41%
	Apr	33,028	32,039	2,942	-5.91%	8.41%
	May	32,036	33,815	3,107	-15.25%	8.41%
	Jun	33,140	35,532	3,263	-17.06%	8.41%
	Jul	32,114	32,531	2,978	-10.57%	8.39%
	Aug	33,169	32,943	3,014	-8.41%	8.38%
	Sep	32,970	31,129	2,861	-3.10%	8.42%
	Oct	31,869	30,557	2,813	-4.71%	8.43%
	Nov	33,029	31,202	2,863	-3.14%	8.40%
	Dec	31,975	26,764	2,443	8.66%	8.37%
2025	Jan	32,889	30,738	2,833	-2.07%	8.44%
	Feb	32,934	28,928	2,657	4.10%	8.41%
	Mar	29,779	26,630	2,446	2.36%	8.41%
	Apr	33,064	33,128	3,043	-9.40%	8.41%
	May	32,072	34,970	3,214	-19.06%	8.42%
	Jun	33,178	36,747	3,375	-20.93%	8.41%
	Jul	32,152	33,622	3,079	-14.15%	8.39%
	Aug	33,208	34,056	3,117	-11.94%	8.39%
	Sep	33,004	32,196	2,960	-6.52%	8.42%
	Oct	31,901	31,612	2,911	-8.22%	8.43%
	Nov	33,064	32,261	2,961	-6.53%	8.41%
	Dec	32,009	27,657	2,526	5.71%	8.37%
2026	Jan	32,920	31,756	2,928	-5.36%	8.44%
	Feb	32,966	29,864	2,744	1.09%	8.41%
	Mar	29,809	27,492	2,525	-0.70%	8.41%
	Apr	33,099	34,202	3,142	-12.83%	8.41%
	May	32,108	36,110	3,320	-22.80%	8.42%
	Jun	33,216	37,946	3,486	-24.74%	8.41%
	Jul	32,190	34,697	3,178	-17.66%	8.39%
	Aug	33,246	35,154	3,219	-15.42%	8.39%
	Sep	33,037	33,250	3,058	-9.90%	8.42%
	Oct	31,933	32,653	3,008	-11.68%	8.44%
	Nov	33,099	33,305	3,057	-9.86%	8.41%
	Dec	32,044	28,537	2,607	2.81%	8.37%
2027	Jan	32,951	32,763	3,021	-8.60%	8.44%

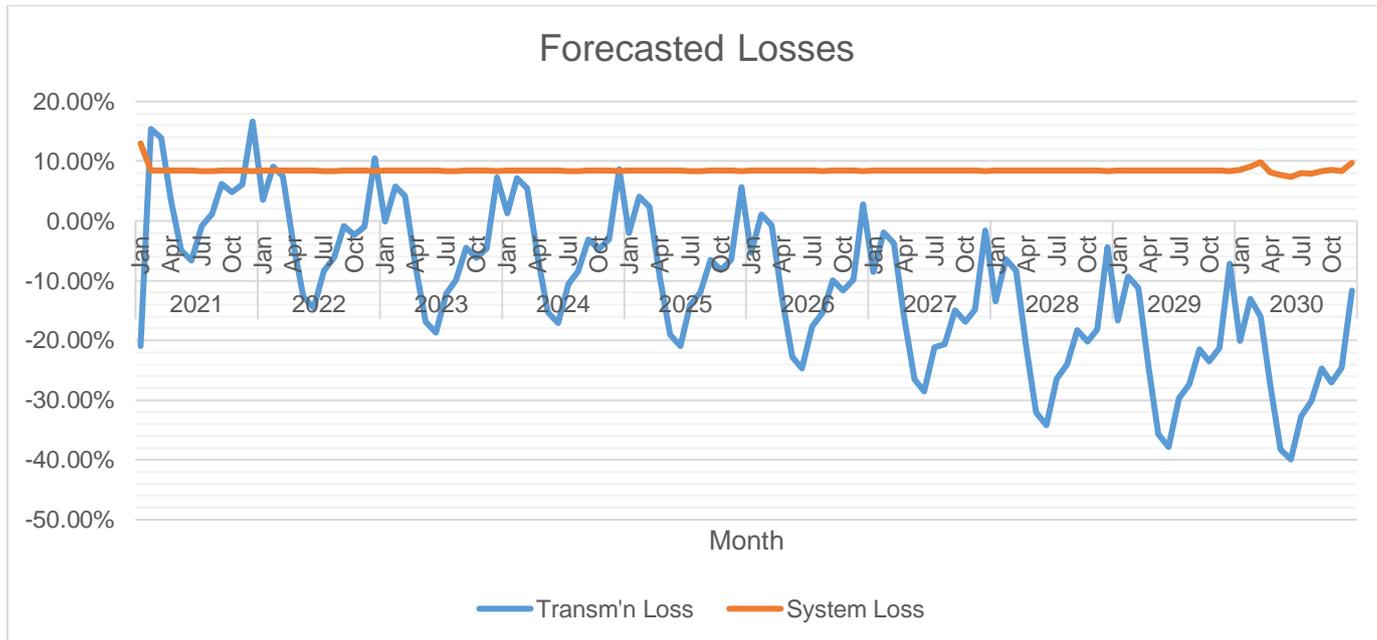
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Feb	32,997	30,788	2,829	-1.88%	8.42%
	Mar	29,839	28,343	2,604	-3.71%	8.42%
	Apr	33,133	35,261	3,240	-16.20%	8.42%
	May	32,143	37,235	3,424	-26.49%	8.42%
	Jun	33,253	39,129	3,596	-28.48%	8.42%
	Jul	32,227	35,757	3,276	-21.12%	8.39%
	Aug	32,788	36,236	3,319	-20.64%	8.39%
	Sep	32,574	34,289	3,154	-14.95%	8.42%
	Oct	31,484	33,682	3,104	-16.84%	8.44%
	Nov	32,637	34,335	3,153	-14.86%	8.41%
	Dec	31,598	29,405	2,687	-1.56%	8.37%
2028	Jan	32,485	33,757	3,114	-13.50%	8.44%
	Feb	32,533	31,700	2,914	-6.39%	8.42%
	Mar	29,421	29,182	2,682	-8.30%	8.42%
	Apr	32,672	36,306	3,337	-21.34%	8.42%
	May	31,699	38,345	3,527	-32.09%	8.42%
	Jun	32,794	40,296	3,704	-34.17%	8.42%
	Jul	31,784	36,803	3,373	-26.40%	8.40%
	Aug	32,826	37,304	3,418	-24.05%	8.39%
	Sep	32,607	35,315	3,249	-18.27%	8.43%
	Oct	31,516	34,697	3,198	-20.24%	8.44%
	Nov	32,672	35,352	3,247	-18.14%	8.41%
	Dec	31,632	30,260	2,766	-4.41%	8.38%
2029	Jan	32,516	34,719	3,205	-16.63%	8.45%
	Feb	32,565	32,579	2,997	-9.25%	8.43%
	Mar	29,451	29,992	2,759	-11.20%	8.42%
	Apr	32,706	37,315	3,433	-24.59%	8.43%
	May	31,734	39,416	3,629	-35.64%	8.43%
	Jun	32,831	41,423	3,812	-37.78%	8.43%
	Jul	31,821	37,808	3,469	-29.72%	8.40%
	Aug	32,863	38,331	3,515	-27.34%	8.40%
	Sep	32,641	36,306	3,344	-21.47%	8.43%
	Oct	31,547	35,679	3,291	-23.53%	8.45%
	Nov	32,706	36,332	3,340	-21.30%	8.42%
	Dec	31,665	31,081	2,844	-7.13%	8.38%
2030	Jan	32,535	35,709	3,348	-20.05%	8.57%
	Feb	32,584	33,487	3,355	-13.07%	9.11%
	Mar	29,469	30,829	3,362	-16.02%	9.83%
	Apr	32,728	38,357	3,370	-27.49%	8.08%
	May	31,756	40,523	3,377	-38.24%	7.69%
	Jun	32,855	42,587	3,384	-39.92%	7.36%
	Jul	31,845	38,852	3,391	-32.65%	8.03%
	Aug	32,888	39,398	3,399	-30.13%	7.94%
	Sep	32,661	37,328	3,406	-24.72%	8.36%
	Oct	31,567	36,690	3,413	-27.04%	8.51%
	Nov	32,728	37,346	3,420	-24.56%	8.39%
	Dec	31,687	31,936	3,428	-11.60%	9.69%

MWh Offtake was forecasted using time series regression. The assumed load factor is 100%.

System Loss was calculated through a Load Flow Study conducted through Synergi software. Based on the same study, the Distribution System [can/cannot] adequately convey electricity to customers.



MWh Output was expected to grow at a rate of 0.007% annually.



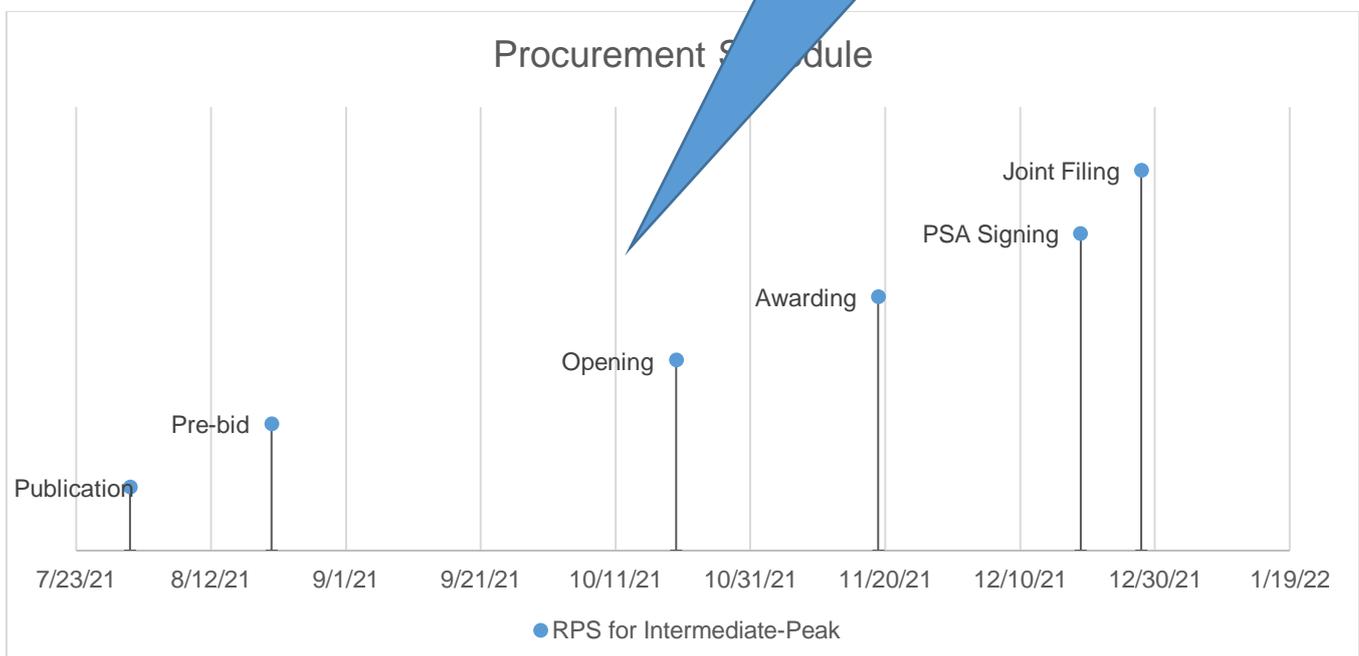
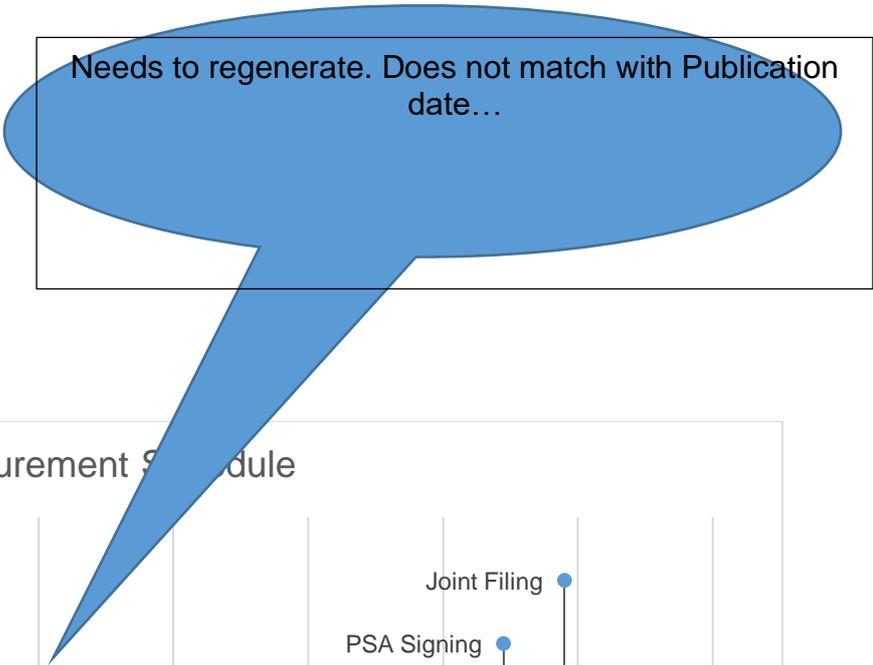
Transmission Loss is expected to range from -39.92% to 16.64% while System Loss is expected to range from 7.36% to 12.98%.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
ERC Case 2010-108RC	Base	Panay Energy Development Corporation	12.00	105,120	12/26/2011	12/25/2031
ERC Case 2005-13RC	Intermediate	Panay Power Corporation	4.00	24,000	7/26/2006	7/25/2026
ERC Case 2011-025RC	Base	Green Core Geothermal, Inc.	18.00	157,680	11/26/2012	11/25/2030
ERC Case 2016-010MC	Base	Palm Concepcion Power Corporation	10.00	87,600	10/26/2016	10/25/2036
ERC Case ____	Intermediate	Power Sector Assets and Liabilities Management Corporation	7.00	12,775	12/26/2020	12/25/2021

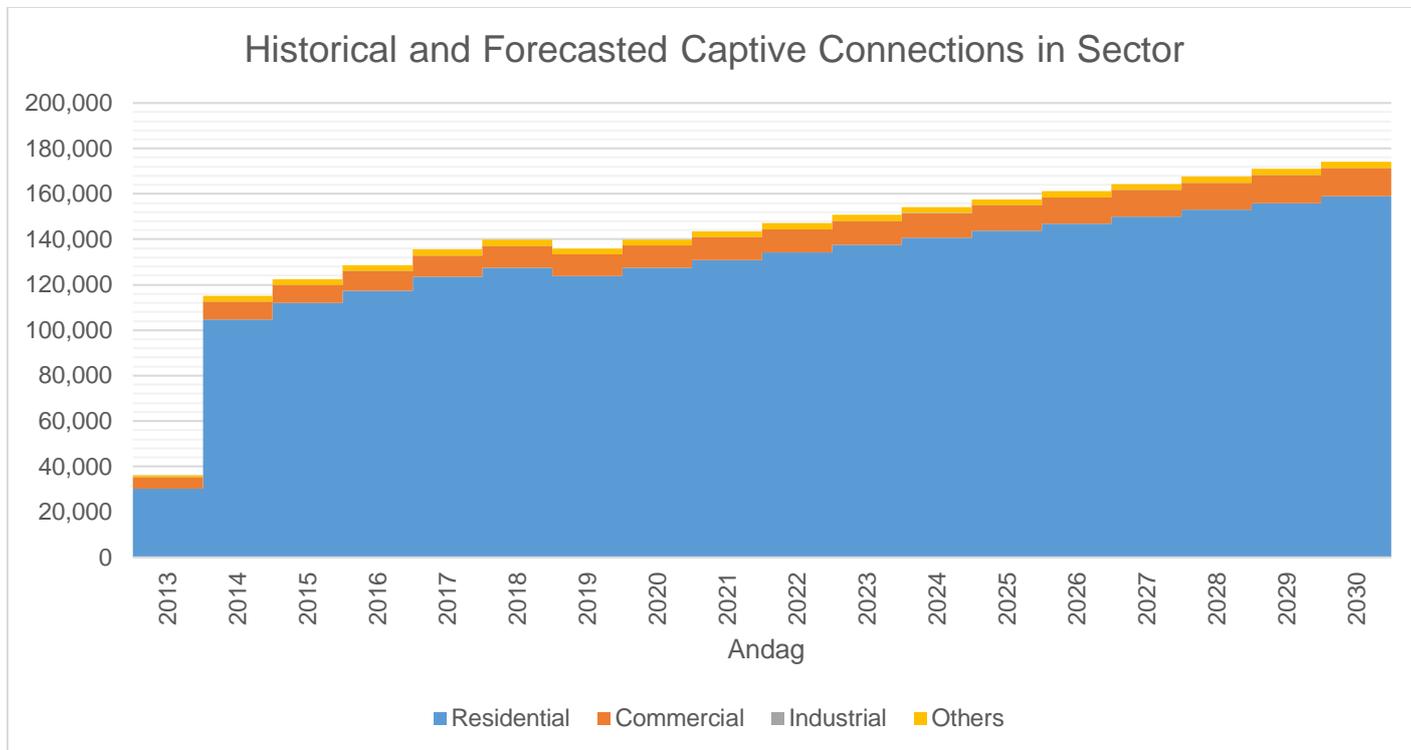
All the PSA was filed with ERC under the different ERC Cases was procured through canvass as the CSP was not yet being required during the contracting years. It was selected to provide for base, intermediate and peaking requirements with the capacity of 40 MW, 7 MW and 4MW respectively. Historically, the utilization of the PSA is 100%. Outages of the plant led to unserved energy of around 7,200 MWh in the past year.

	RPS for Intermediate-Peak
Type	Peaking
Minimum MW	10.00
Minimum MWh/yr	18,250
PSA Start	12/26/2023
PSA End	12/25/2033
Publication	12/31/2021
Pre-bid	1/21/2022
Opening	7/20/2022
Awarding	8/19/2022
PSA Signing	9/20/2022
Joint Filing	9/29/2022



For the procurement of 10 MW of supply which is planned to be available on 2024, the first publication or launch of CSP will be on December 2021. Joint filing is planned on September 9, 2022, 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 2.48% annually. Said customer class is expected to account for 52.4% of the total consumption.