

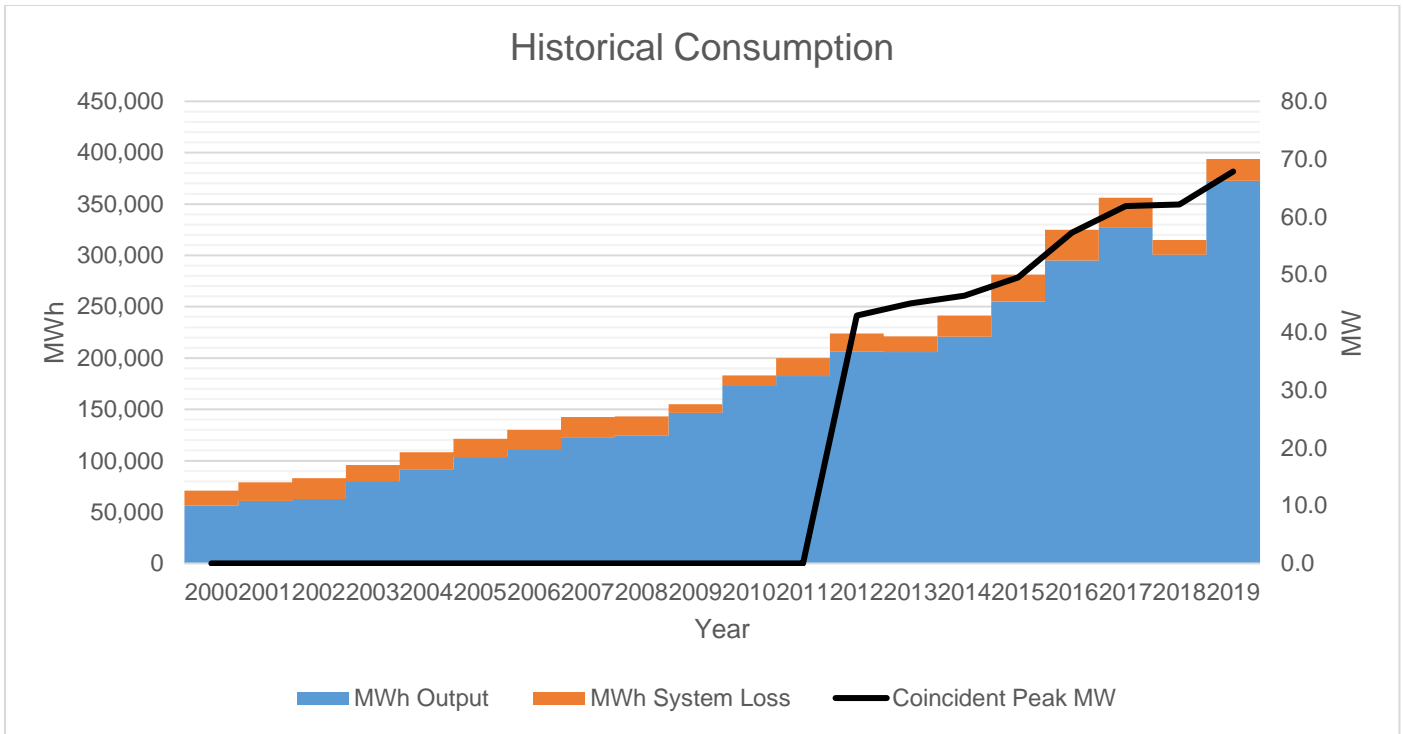
Power Supply Procurement Plan [2020]

[AKLAN ELECTRIC COOPERATIVE, INC.]

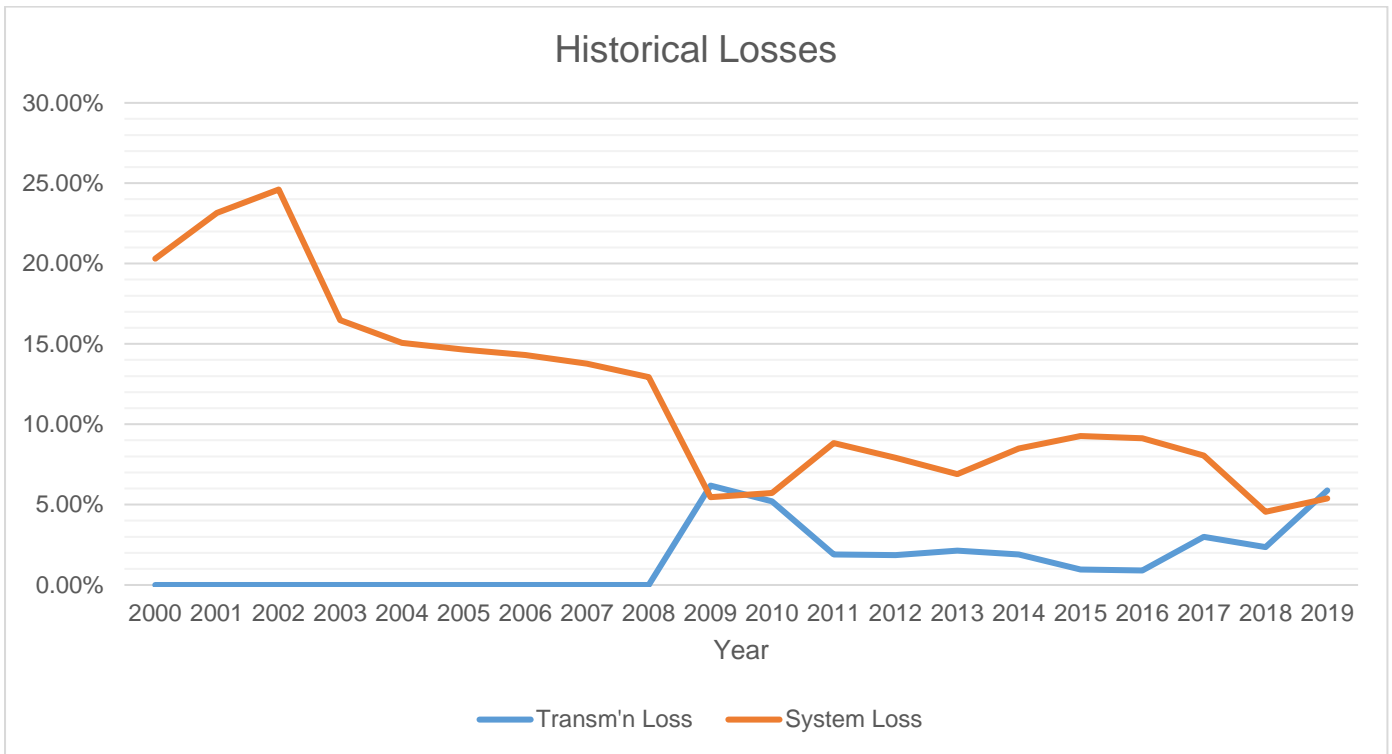
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Transm'n Loss	System Loss
2000	0.00	70,908	0	70,908	56,516	14,392	#DIV/0!	0.00%	20.30%
2001	0.00	79,075	0	79,075	60,762	18,314	#DIV/0!	0.00%	23.16%
2002	0.00	83,074	0	83,074	62,631	20,442	#DIV/0!	0.00%	24.61%
2003	0.00	95,895	0	95,895	80,092	15,803	#DIV/0!	0.00%	16.48%
2004	0.00	108,125	0	108,125	91,833	16,292	#DIV/0!	0.00%	15.07%
2005	0.00	121,292	0	121,292	103,520	17,772	#DIV/0!	0.00%	14.65%
2006	0.00	130,154	0	130,154	111,533	18,621	#DIV/0!	0.00%	14.31%
2007	0.00	142,591	0	142,591	122,945	19,646	#DIV/0!	0.00%	13.78%
2008	0.00	143,249	0	143,249	124,734	18,515	#DIV/0!	0.00%	12.92%
2009	0.00	165,405	0	155,177	146,687	8,490	#DIV/0!	6.18%	5.47%
2010	0.00	193,201	0	183,158	172,680	10,478	#DIV/0!	5.20%	5.72%
2011	0.00	203,893	0	200,012	182,359	17,653	#DIV/0!	1.90%	8.83%
2012	42.91	228,212	29,251	223,977	206,250	17,727	60%	1.86%	7.91%
2013	45.03	226,096	24,705	221,274	206,000	15,275	56%	2.13%	6.90%
2014	46.32	245,912	16,887	241,240	220,760	20,480	59%	1.90%	8.49%
2015	49.53	283,966	37,878	281,245	255,158	26,086	65%	0.96%	9.28%
2016	57.29	327,765	62,597	324,839	295,152	29,687	65%	0.89%	9.14%
2017	61.84	367,140	62,320	356,119	327,423	28,696	66%	3.00%	8.06%
2018	62.14	322,461	49,066	314,857	300,518	14,339	58%	2.36%	4.55%
2019	67.85	418,433	58,854	393,836	372,637	21,200	66%	5.88%	5.38%

Peak Demand increased from 42.91 MW in 2012 to 67.85 MW in 2019 at a rate of 5.9% due to the influx of tourist in the island of Boracay, which is being catered by AKELCO. MWhOfftake increased from 70,908MWh in 2000 to 418,433MWh in 2019 at a rate of 9.3% due to the popularity of Boracay Island. Within the same period, Load Factor ranged from 56% to 66%. There was an abrupt change in consumption on 2019 due to increased number of resorts being established within the franchise area.

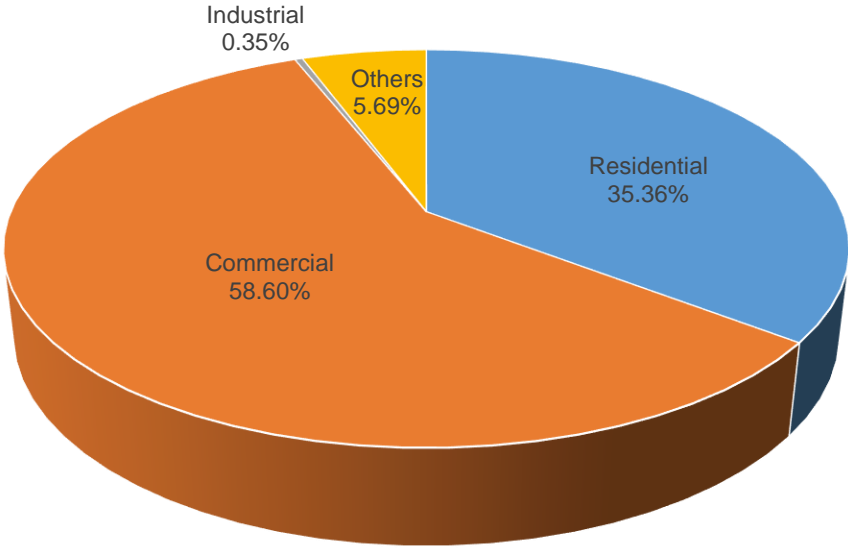


MWh Output increased from year 2000 to year 2019 at a rate of 9.9%, while MWh System Loss decreased at a rate of 6.4% within the same period.



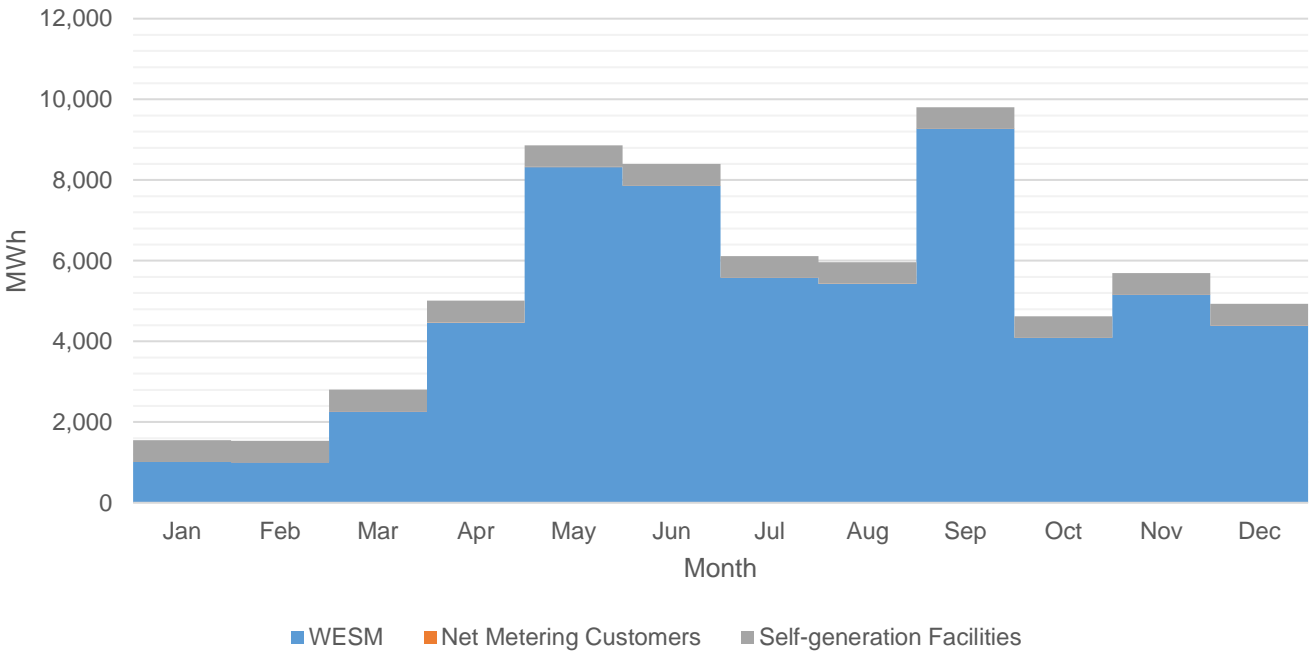
Historically, Transmission Loss ranged from 0.89% to 6.18% while System Loss ranged from 4.55% to 24.61%. Transmission Loss peaked at 6.18% on year 2009 because of long transmission line from the biggest substation of AKELCO. System Loss peaked at 24.61% on year 2000 because of technical and non-technical factors.

Previous Year's Shares of Energy Sales

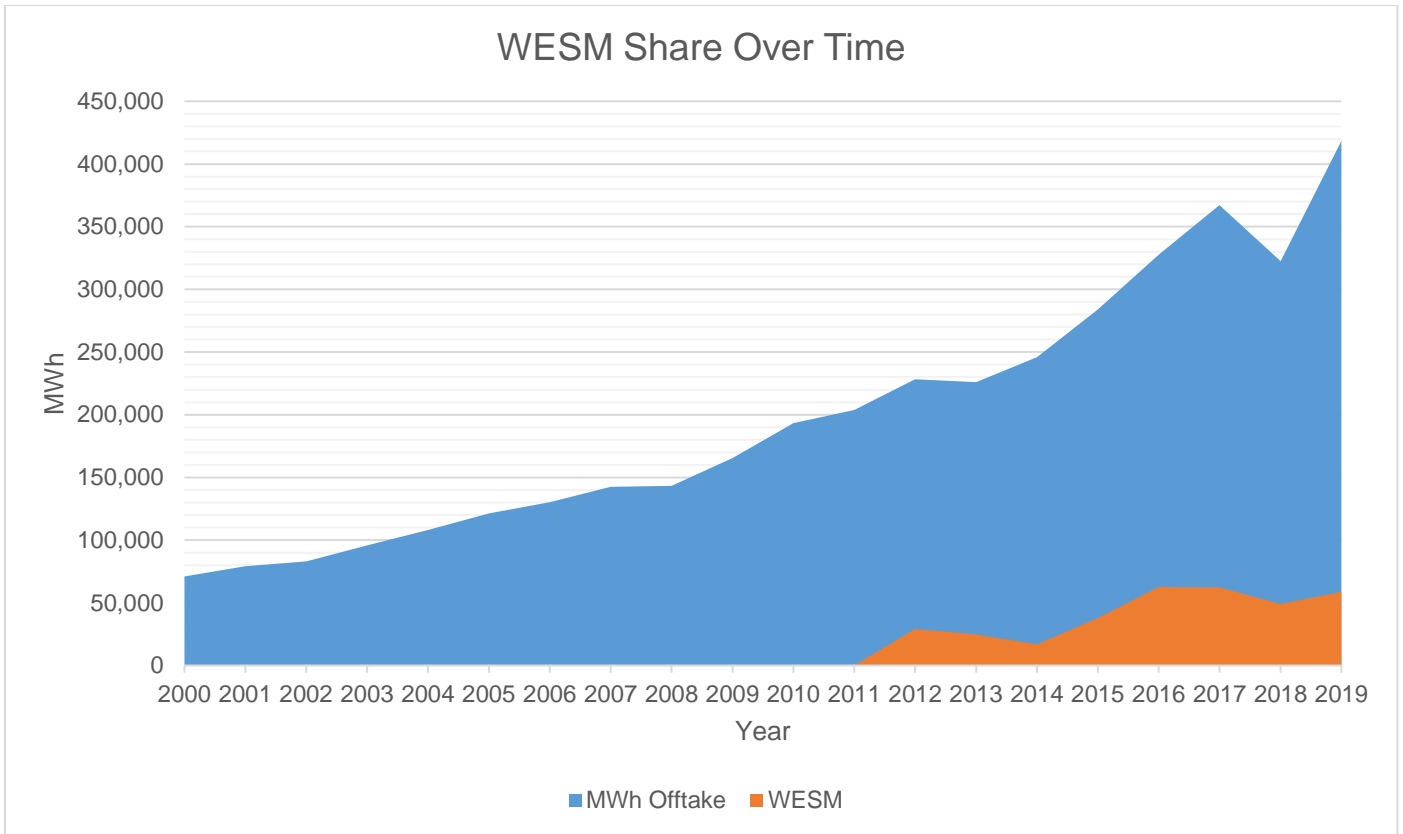


Commercial customers account for the bulk of energy sales at 58.60% due to the number of connections particularly in the Boracay Island. In contrast, residential customers accounted for only 35.36% of energy sales despite of the high number of connections.

MWh Offtake for Last Historical Year

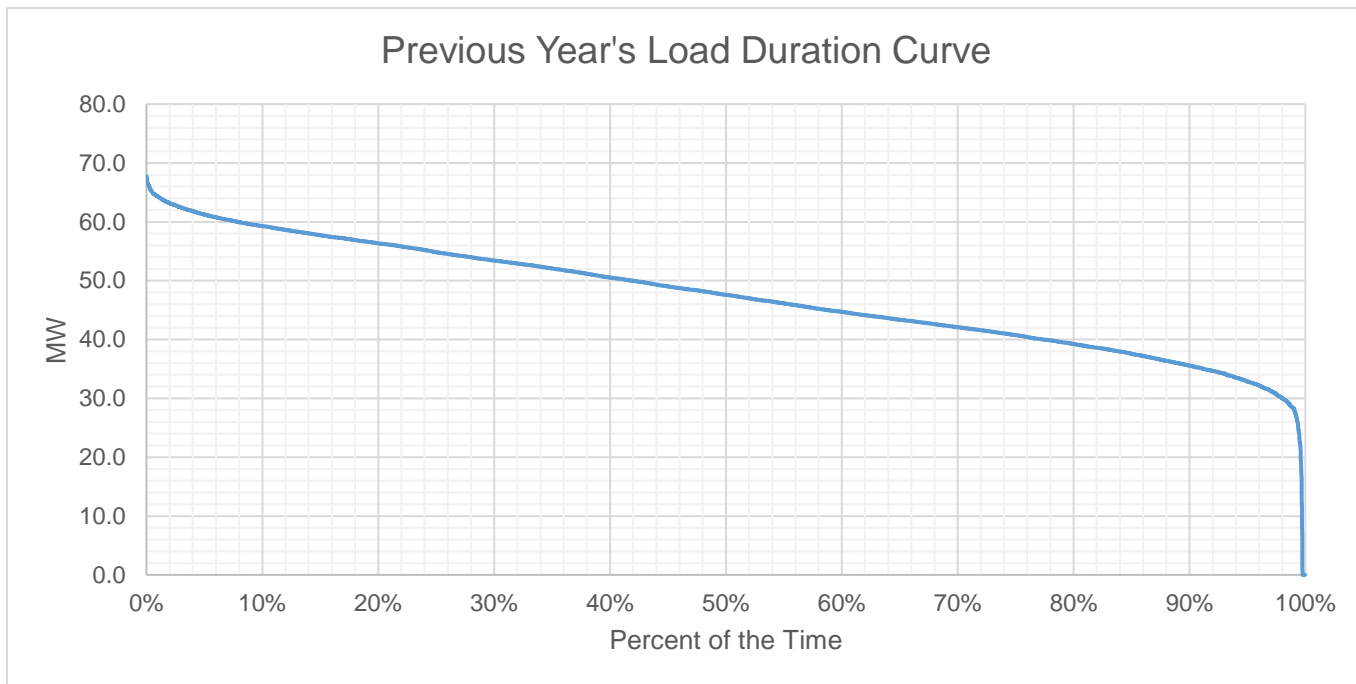


For 2019, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. The PSA with firm supply accounts for the bulk of MWh Offtake.

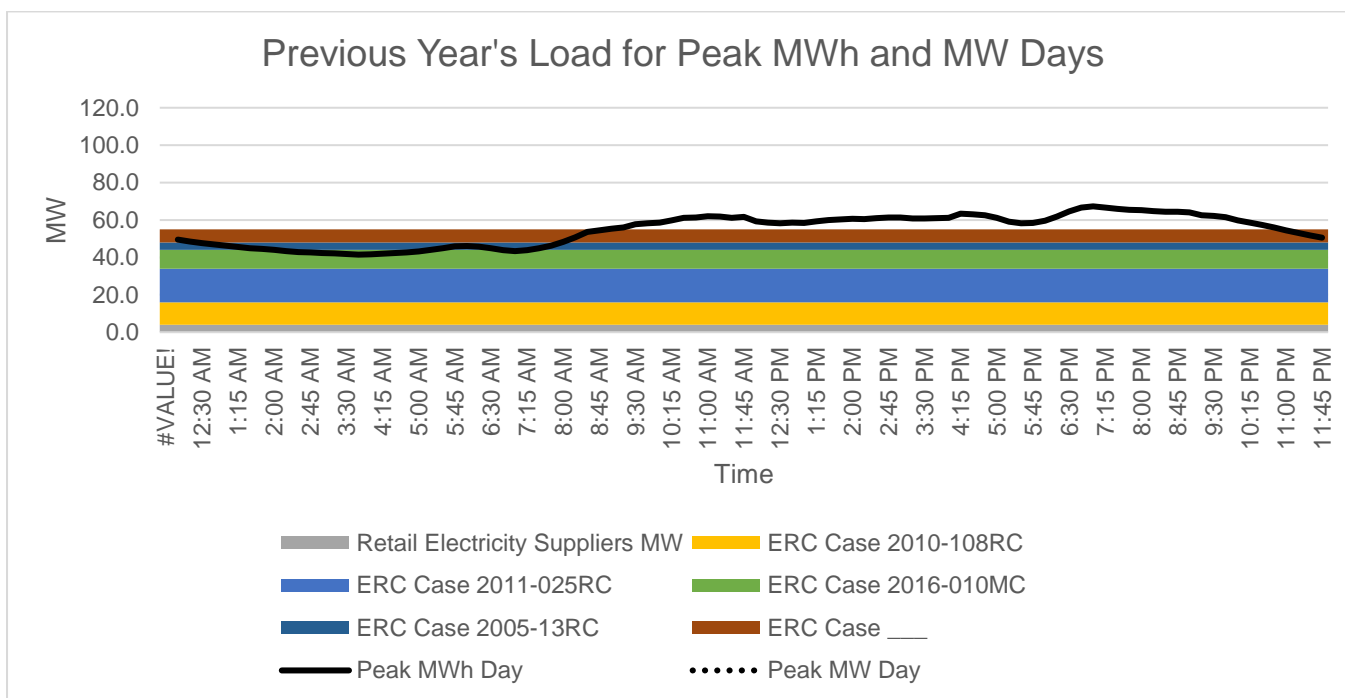


WESM Offtake increased from 29,251MWh in 2012 to 58,854MWh in 2019 at a rate of 9.13% due to increase in energy requirement of AKELCO. The share of WESM in the total Offtake ranged from 6.43% to 16.04%.

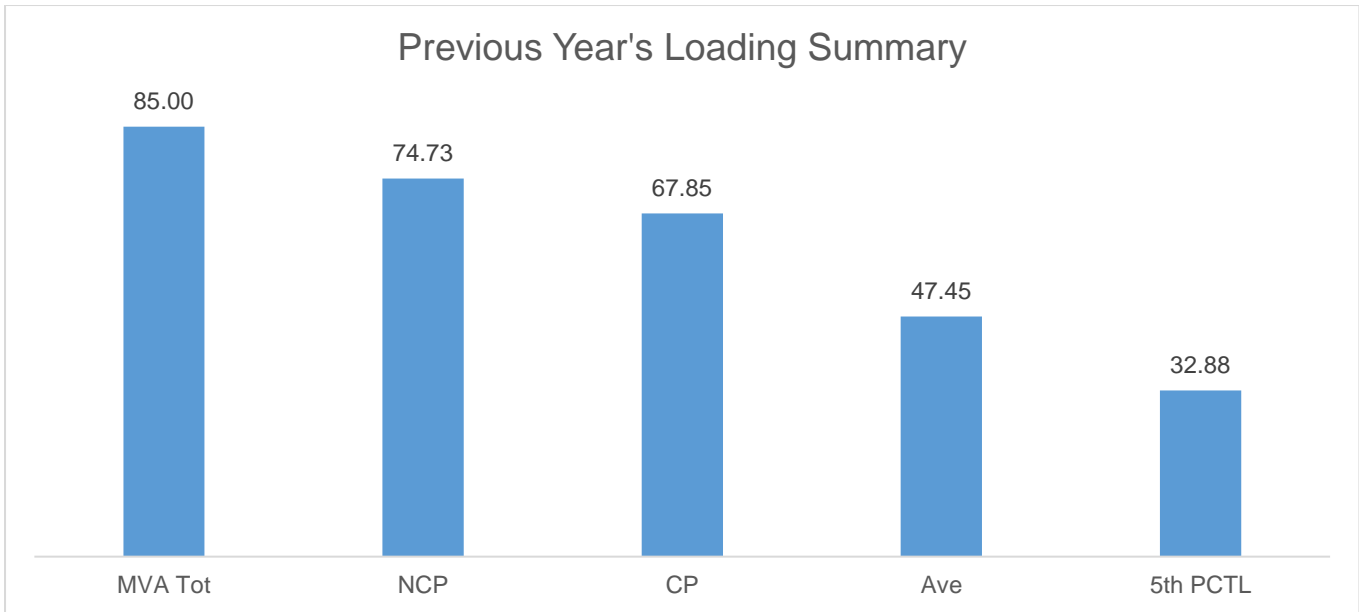
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 20 MW and the maximum load is 68 MW for the last historical year.



Peak MW occurred on June 13, 2019 at 2100H due to increase in energy requirement. Peak daily MWh occurred on June 13, 2019 also. As shown in the Load Curves, the available supply is lower than the Peak Demand.



The Non-coincident Peak Demand is 74.73 MW, which is around 87.92% of the total substation capacity of 85 MVA at a power factor of 97.88%. The load factor or the ratio between the Average Load of 47.45 MW and the Non-coincident Peak Demand is 63.50% of. A safe estimate of the true minimum load is the fifth percentile load of 32.88 MW which is 44% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
m1 Andagao	10	10.831
Lezo	15	7.360
m2 Andagao	10	11.151
Nabas	10	6.524
Altavas	5	3.318
Caticlan	10	10.132
Boracay	25	25.416

The substations loaded at above 70% are Andagao TR-1, TR-2, Caticlan and Boracay Substation. This loading problem will be solved by uprating Andagao TR-2 substation from 10MVA to 20MVA, installation and commissioning of new 5MVA Banga Substation which will unload the existing Andagao TR-1 substation and, installation and commissioning of new 30MVA Boracay substation which will also unload the existing Caticlan and Boracay substations.

Forecasted Consumption Data

		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2020	Jan	61.07	51.00	0.000	3.99	89%	89%	-6.08
	Feb	63.23	51.00	0.000	3.92	86%	86%	-8.31
	Mar	57.30	51.00	0.000	3.31	94%	94%	-3.00
	Apr	42.02	51.00	0.000	2.15	128%	128%	11.13
	May	45.66	51.00	0.000	2.20	117%	117%	7.53
	Jun	46.95	51.00	0.000	1.97	113%	113%	6.02
	Jul	47.51	51.00	0.000	2.00	112%	112%	5.49
	Aug	48.43	51.00	0.000	2.00	110%	110%	4.57
	Sep	45.78	51.00	0.000	2.00	116%	116%	7.22
	Oct	46.40	51.00	0.000	2.00	115%	115%	6.60
	Nov	46.31	51.00	0.000	2.00	115%	115%	6.69
	Dec	44.93	51.00	0.000	2.00	119%	119%	8.07
2021	Jan	58.53	44.00	10.000	2.00	78%	96%	-2.53
	Feb	57.89	44.00	10.000	2.00	79%	97%	-1.89
	Mar	65.16	44.00	10.000	2.00	70%	85%	-9.16
	Apr	66.08	44.00	10.000	2.00	69%	84%	-10.08
	May	71.92	44.00	10.000	2.00	63%	77%	-15.92
	Jun	74.51	44.00	10.000	2.00	61%	74%	-18.51
	Jul	71.67	44.00	10.000	2.00	63%	78%	-15.67
	Aug	72.67	44.00	10.000	2.00	62%	76%	-16.67
	Sep	68.62	44.00	10.000	2.00	66%	81%	-12.62
	Oct	69.94	44.00	10.000	2.00	65%	79%	-13.94
	Nov	69.73	44.00	10.000	2.00	65%	80%	-13.73
	Dec	67.80	44.00	10.000	2.00	67%	82%	-11.80
2022	Jan	61.46	44.00	10.000	2.00	74%	91%	-5.46
	Feb	60.76	44.00	10.000	2.00	75%	92%	-4.76
	Mar	68.34	44.00	10.000	2.00	66%	81%	-12.34
	Apr	69.36	44.00	10.000	2.00	65%	80%	-13.36

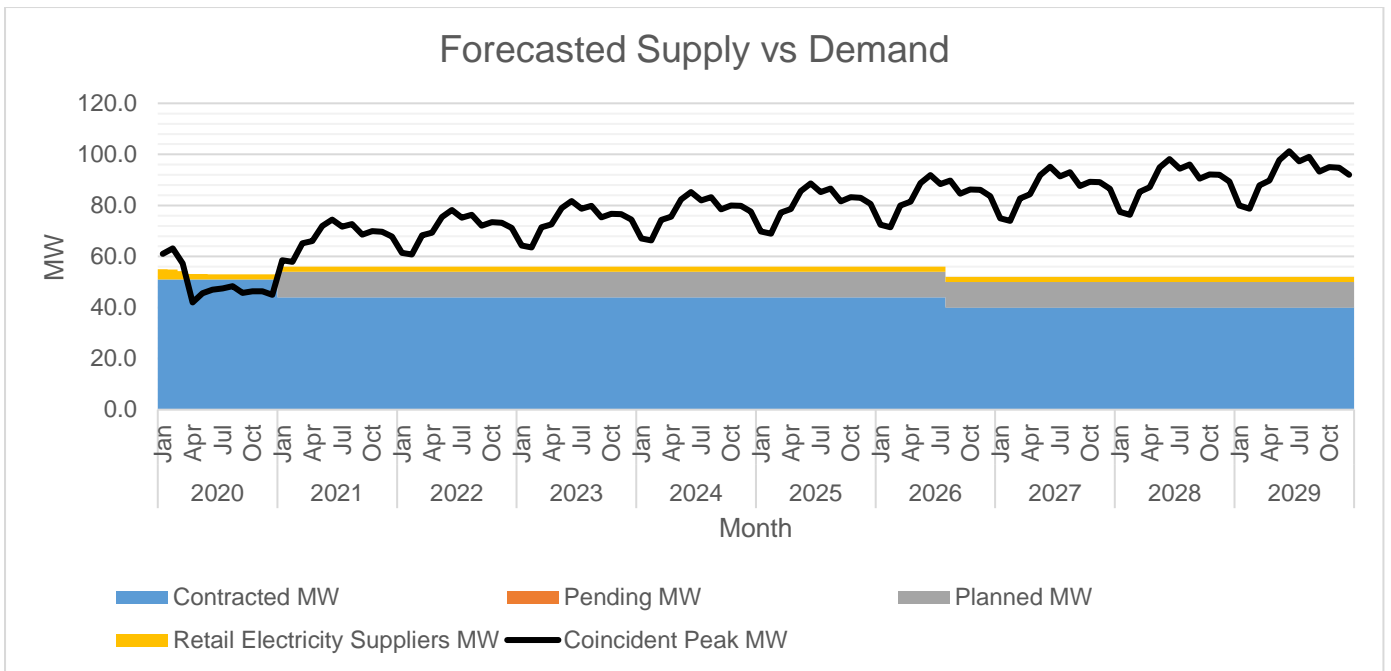
		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	May	75.49	44.00	10.000	2.00	60%	73%	-19.49
	Jun	78.20	44.00	10.000	2.00	58%	71%	-22.20
	Jul	75.22	44.00	10.000	2.00	60%	74%	-19.22
	Aug	76.29	44.00	10.000	2.00	59%	73%	-20.29
	Sep	72.02	44.00	10.000	2.00	63%	77%	-16.02
	Oct	73.40	44.00	10.000	2.00	62%	76%	-17.40
	Nov	73.19	44.00	10.000	2.00	62%	76%	-17.19
	Dec	71.16	44.00	10.000	2.00	64%	78%	-15.16
2023	Jan	64.31	44.00	10.000	2.00	71%	87%	-8.31
	Feb	63.55	44.00	10.000	2.00	71%	88%	-7.55
	Mar	71.41	44.00	10.000	2.00	63%	78%	-15.41
	Apr	72.54	44.00	10.000	2.00	62%	77%	-16.54
	May	78.96	44.00	10.000	2.00	57%	70%	-22.96
	Jun	81.78	44.00	10.000	2.00	55%	68%	-25.78
	Jul	78.66	44.00	10.000	2.00	57%	70%	-22.66
	Aug	79.81	44.00	10.000	2.00	57%	69%	-23.81
	Sep	75.32	44.00	10.000	2.00	60%	74%	-19.32
	Oct	76.76	44.00	10.000	2.00	59%	72%	-20.76
	Nov	76.55	44.00	10.000	2.00	59%	72%	-20.55
	Dec	74.41	44.00	10.000	2.00	61%	75%	-18.41
2024	Jan	67.09	44.00	10.000	2.00	68%	83%	-11.09
	Feb	66.26	44.00	10.000	2.00	68%	84%	-10.26
	Mar	74.37	44.00	10.000	2.00	61%	75%	-18.37
	Apr	75.62	44.00	10.000	2.00	60%	73%	-19.62
	May	82.32	44.00	10.000	2.00	55%	67%	-26.32
	Jun	85.26	44.00	10.000	2.00	53%	65%	-29.26
	Jul	82.00	44.00	10.000	2.00	55%	68%	-26.00
	Aug	83.23	44.00	10.000	2.00	54%	66%	-27.23
	Sep	78.52	44.00	10.000	2.00	58%	71%	-22.52
	Oct	80.02	44.00	10.000	2.00	56%	69%	-24.02

		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Nov	79.82	44.00	10.000	2.00	57%	69%	-23.82
	Dec	77.57	44.00	10.000	2.00	58%	71%	-21.57
2025	Jan	69.79	44.00	10.000	2.00	65%	80%	-13.79
	Feb	68.90	44.00	10.000	2.00	66%	81%	-12.90
	Mar	77.25	44.00	10.000	2.00	58%	72%	-21.25
	Apr	78.62	44.00	10.000	2.00	57%	70%	-22.62
	May	85.59	44.00	10.000	2.00	53%	65%	-29.59
	Jun	88.63	44.00	10.000	2.00	51%	62%	-32.63
	Jul	85.24	44.00	10.000	2.00	53%	65%	-29.24
	Aug	86.56	44.00	10.000	2.00	52%	64%	-30.56
	Sep	81.63	44.00	10.000	2.00	55%	68%	-25.63
	Oct	83.19	44.00	10.000	2.00	54%	67%	-27.19
	Nov	82.99	44.00	10.000	2.00	54%	67%	-26.99
	Dec	80.64	44.00	10.000	2.00	56%	69%	-24.64
2026	Jan	72.42	44.00	10.000	2.00	62%	77%	-16.42
	Feb	71.46	44.00	10.000	2.00	63%	78%	-15.46
	Mar	80.03	44.00	10.000	2.00	56%	69%	-24.03
	Apr	81.53	44.00	10.000	2.00	55%	68%	-25.53
	May	88.76	44.00	10.000	2.00	51%	62%	-32.76
	Jun	91.91	44.00	10.000	2.00	49%	60%	-35.91
	Jul	88.39	44.00	10.000	2.00	51%	63%	-32.39
	Aug	89.80	40.00	10.000	2.00	46%	57%	-37.80
	Sep	84.66	40.00	10.000	2.00	48%	60%	-32.66
	Oct	86.27	40.00	10.000	2.00	47%	59%	-34.27
	Nov	86.07	40.00	10.000	2.00	48%	59%	-34.07
	Dec	83.61	40.00	10.000	2.00	49%	61%	-31.61
2027	Jan	74.99	40.00	10.000	2.00	55%	68%	-22.99
	Feb	73.95	40.00	10.000	2.00	56%	69%	-21.95
	Mar	82.73	40.00	10.000	2.00	50%	62%	-30.73
	Apr	84.37	40.00	10.000	2.00	49%	61%	-32.37

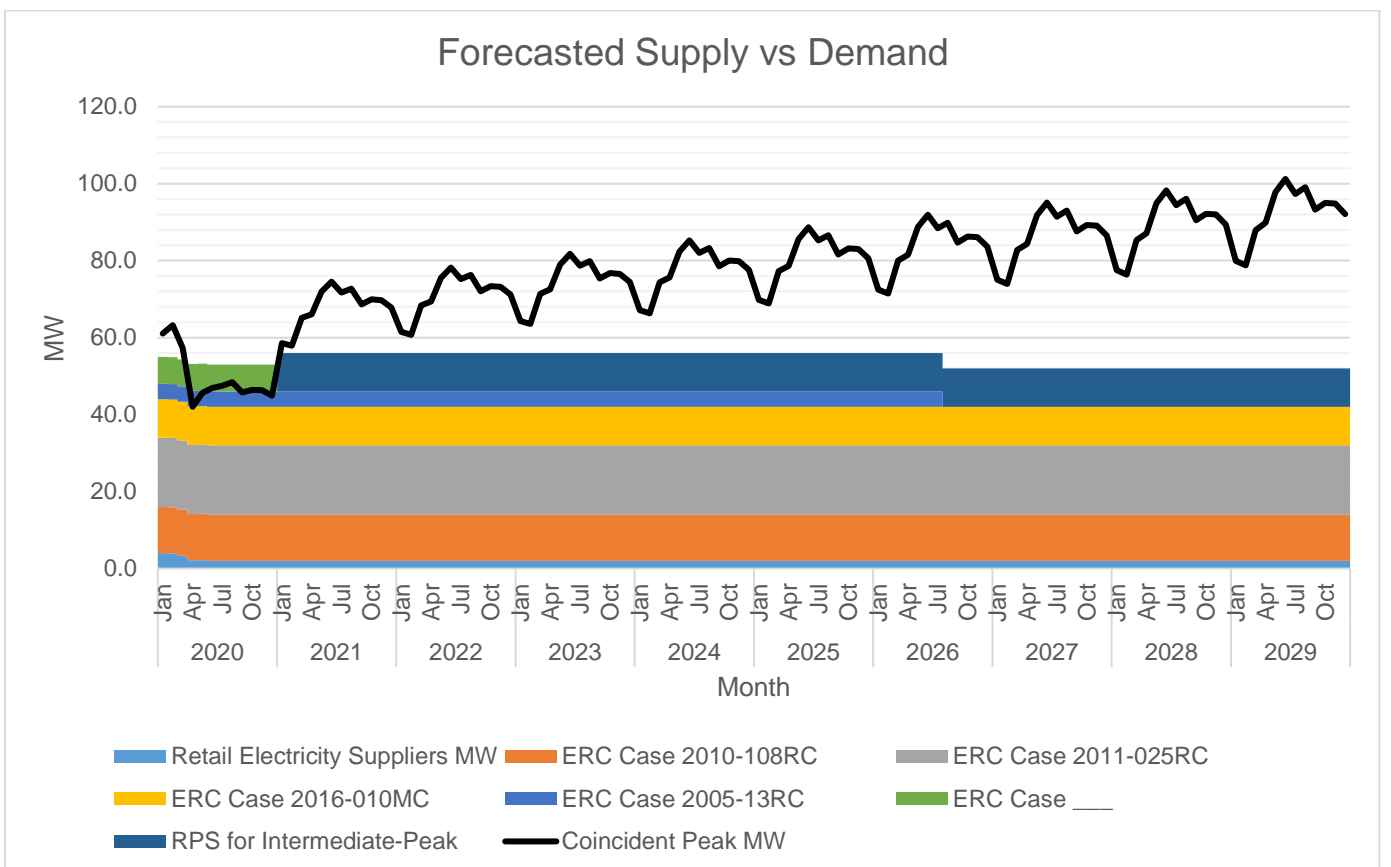
		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	May	91.86	40.00	10.000	2.00	45%	56%	-39.86
	Jun	95.10	40.00	10.000	2.00	43%	54%	-43.10
	Jul	91.45	40.00	10.000	2.00	45%	56%	-39.45
	Aug	92.96	40.00	10.000	2.00	44%	55%	-40.96
	Sep	87.60	40.00	10.000	2.00	47%	58%	-35.60
	Oct	89.26	40.00	10.000	2.00	46%	57%	-37.26
	Nov	89.07	40.00	10.000	2.00	46%	57%	-37.07
	Dec	86.51	40.00	10.000	2.00	47%	59%	-34.51
2028	Jan	77.50	40.00	10.000	2.00	53%	66%	-25.50
	Feb	76.38	40.00	10.000	2.00	54%	67%	-24.38
	Mar	85.34	40.00	10.000	2.00	48%	60%	-33.34
	Apr	87.12	40.00	10.000	2.00	47%	59%	-35.12
	May	94.87	40.00	10.000	2.00	43%	54%	-42.87
	Jun	98.20	40.00	10.000	2.00	42%	52%	-46.20
	Jul	94.43	40.00	10.000	2.00	43%	54%	-42.43
	Aug	96.04	40.00	10.000	2.00	43%	53%	-44.04
	Sep	90.47	40.00	10.000	2.00	45%	57%	-38.47
	Oct	92.17	40.00	10.000	2.00	44%	55%	-40.17
	Nov	91.99	40.00	10.000	2.00	44%	56%	-39.99
	Dec	89.33	40.00	10.000	2.00	46%	57%	-37.33
2029	Jan	79.95	40.00	10.000	2.00	51%	64%	-27.95
	Feb	78.74	40.00	10.000	2.00	52%	65%	-26.74
	Mar	87.88	40.00	10.000	2.00	47%	58%	-35.88
	Apr	89.81	40.00	10.000	2.00	46%	57%	-37.81
	May	97.80	40.00	10.000	2.00	42%	52%	-45.80
	Jun	101.22	40.00	10.000	2.00	40%	50%	-49.22
	Jul	97.33	40.00	10.000	2.00	42%	52%	-45.33
	Aug	99.04	40.00	10.000	2.00	41%	52%	-47.04
	Sep	93.26	40.00	10.000	2.00	44%	55%	-41.26
	Oct	95.01	40.00	10.000	2.00	43%	54%	-43.01

		Coincident Peak MW	Contracted MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Nov	94.84	40.00	10.000	2.00	43%	54%	-42.84
	Dec	92.07	40.00	10.000	2.00	44%	56%	-40.07

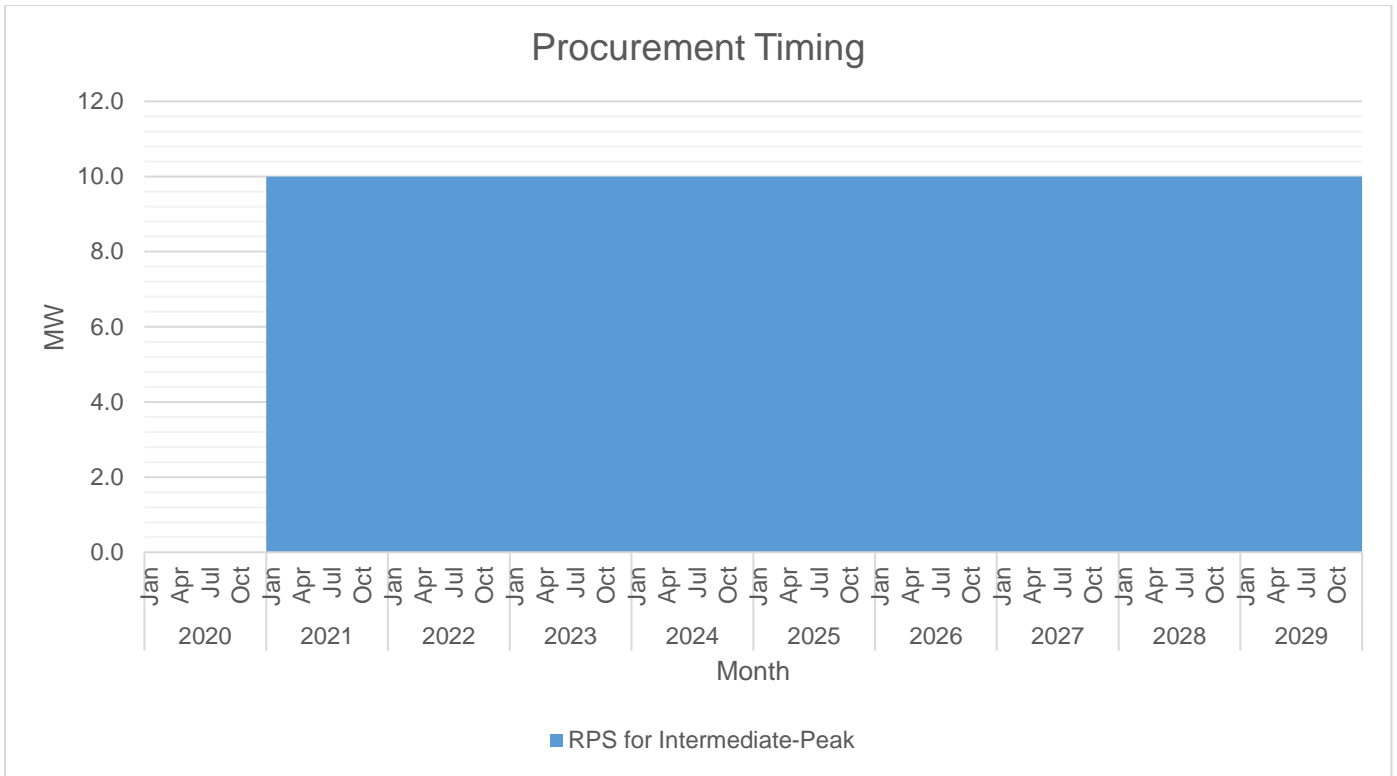
The Peak Demand was forecasted using bottom-top Time-Series method and was assumed to occur on the month of June due to influx of tourist in the island of Boracay. Monthly Peak Demand is at its lowest on the month of February due to low tourist arrival. In general, Peak Demand is expected to grow at a rate of 7.4% annually. The first six months of 2020 is the actual data showing the effect of Covid-19 pandemic.



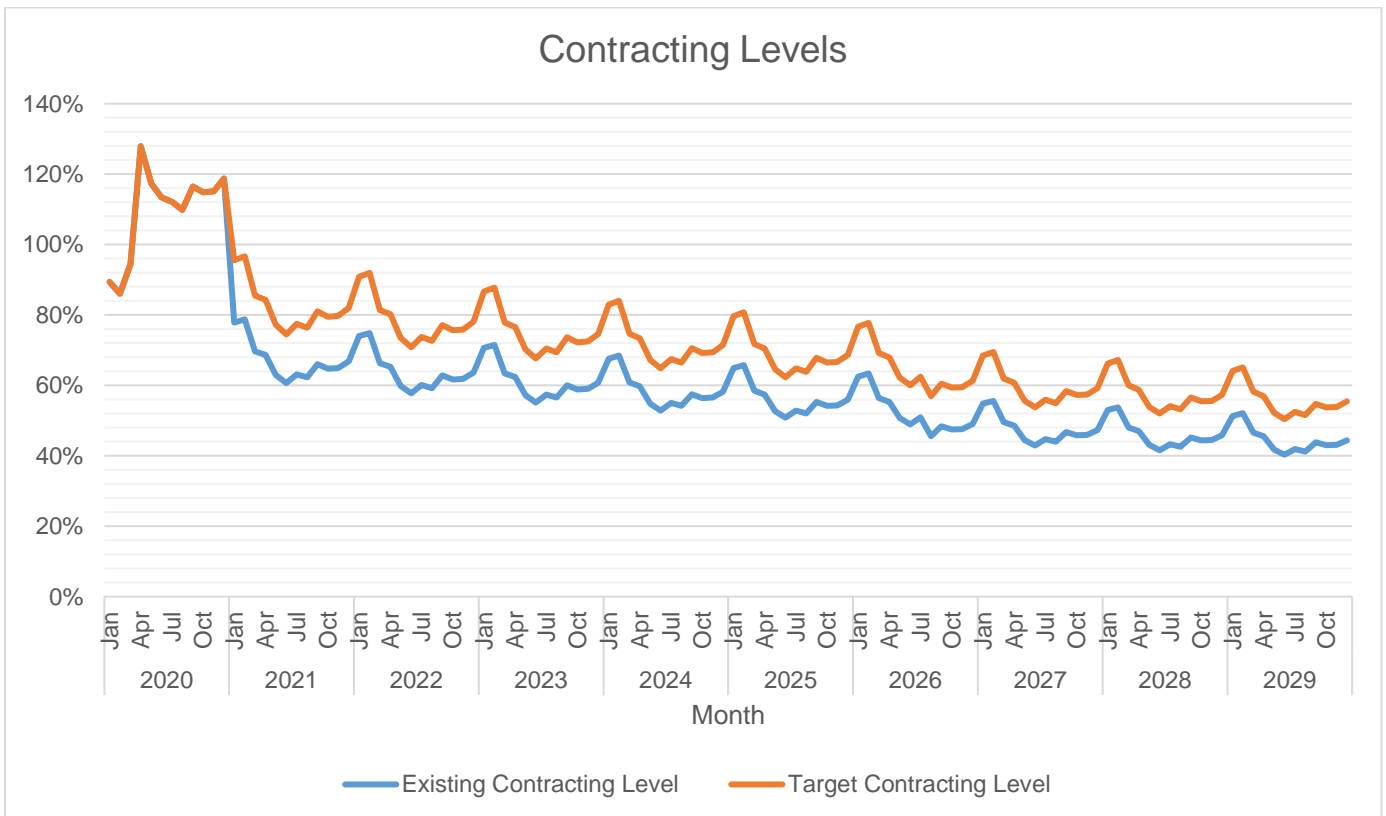
The available supply is generally below the Peak Demand. This is because of the expected high construction of resorts and establishment particularly in the island of Boracay. The first six months of 2020 is the actual data showing the effect of Covid-19 pandemic.



Of the available supply, the largest is 18 MW from ERC Case 2011-025RC. This is followed by 12 MW from ERC Case 2010-108RC. The first six months of 2020 is the actual data showing the effect of Covid-19 pandemic reflecting excess supply but the actual energy delivered follows the force majeure effect in the contract.

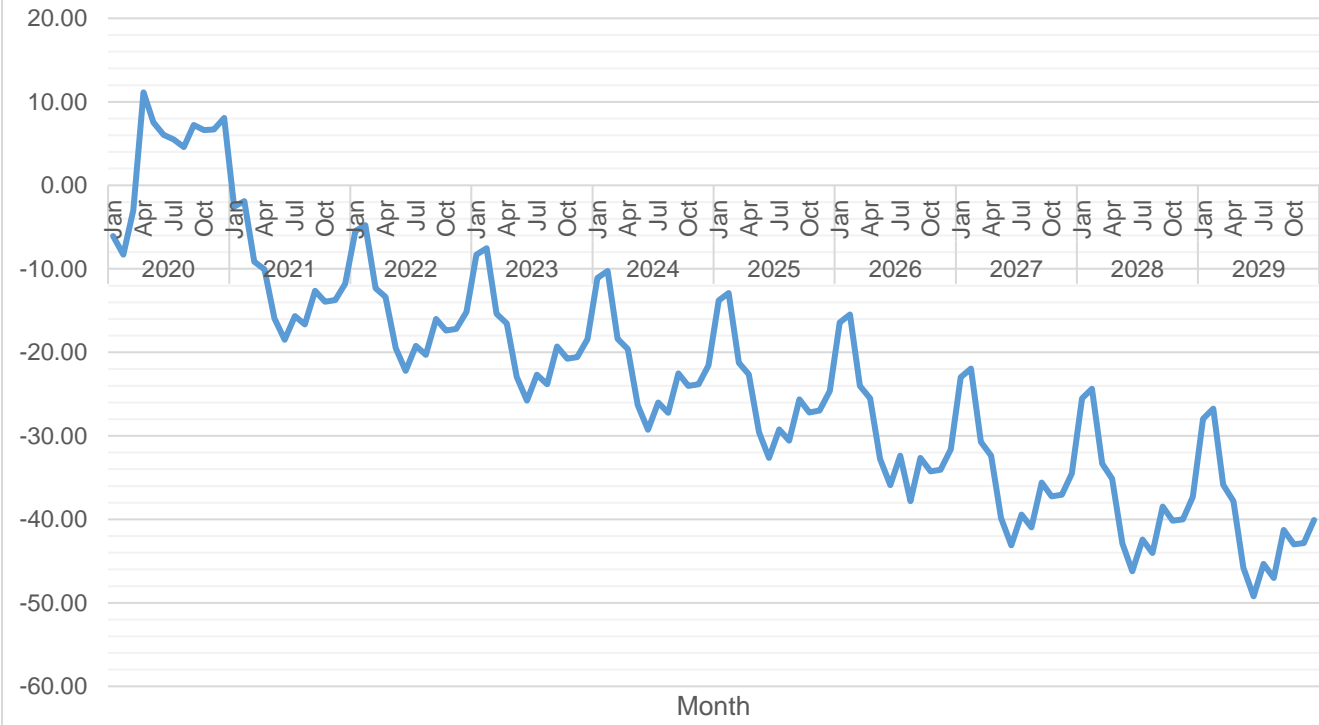


The first wave of supply procurement will be for 10 MW planned to be available by the month of January 2021.



Currently, there is under-contracting by 60%. The highest target contracting level is 140% which is expected to occur on 2020. The lowest target contracting level is 60% which is expected to occur on 2029.

MW Surplus / Deficit



Currently, there is under-contacting by 50 MW. The highest deficit is 50 MW which is expected to occur on the month of June. The lowest deficit is 40 MW which is expected to occur on the month of December.

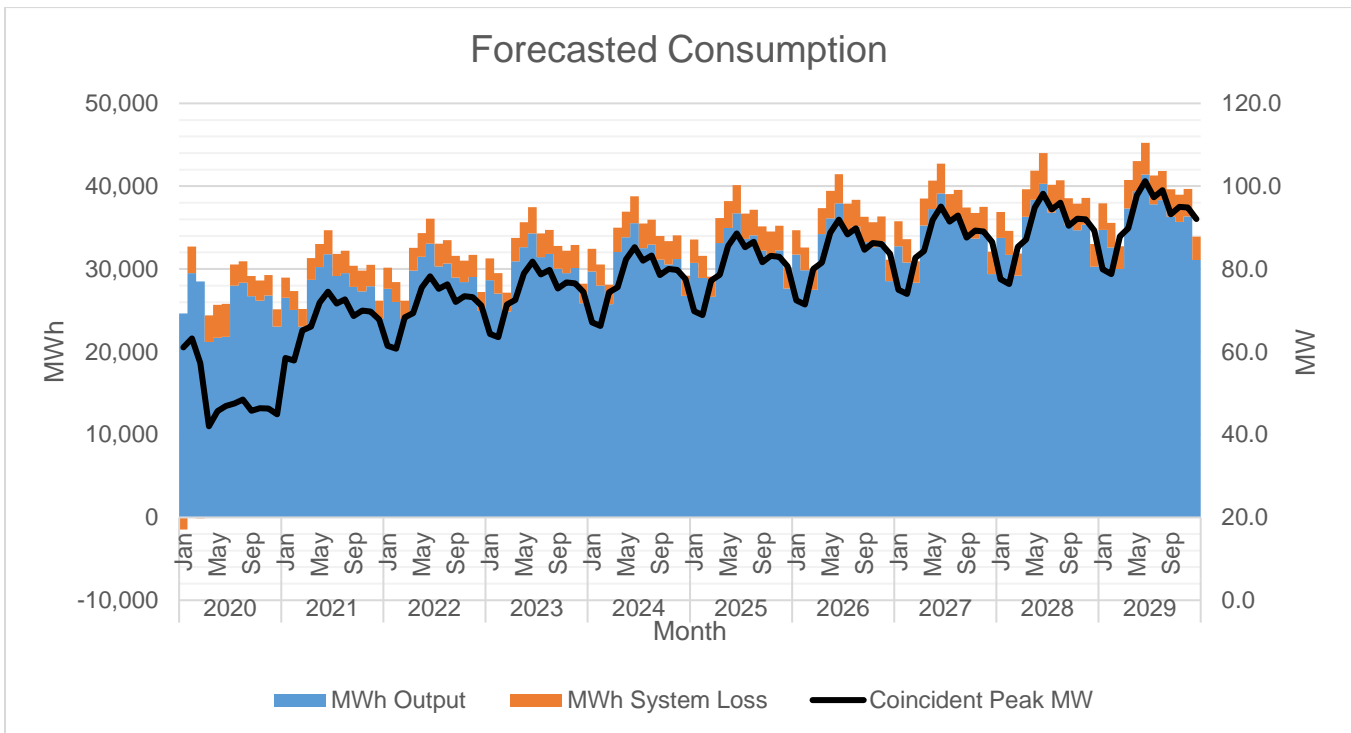
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2020	Jan	22,301	24,622	-1,468	-3.82%	-6.34%
	Feb	32,761	29,515	3,202	0.13%	9.79%
	Mar	29,485	28,508	-98	3.65%	-0.35%
	Apr	32,489	21,189	3,225	24.86%	13.21%
	May	31,797	21,682	3,991	19.26%	15.55%
	Jun	32,940	21,806	3,991	21.68%	15.47%
	Jul	31,506	27,999	2,560	3.01%	8.38%
	Aug	32,543	28,326	2,588	5.00%	8.37%
	Sep	32,365	26,711	2,452	9.89%	8.41%
	Oct	31,288	26,193	2,409	8.58%	8.42%
	Nov	32,417	26,812	2,457	9.71%	8.39%
	Dec	31,382	23,051	2,101	19.85%	8.35%
2021	Jan	32,763	26,529	2,442	11.57%	8.43%
	Feb	32,803	25,047	2,297	16.64%	8.40%
	Mar	29,657	23,057	2,115	15.12%	8.40%
	Apr	32,920	28,679	2,631	4.89%	8.40%
	May	31,925	30,252	2,777	-3.46%	8.41%
	Jun	33,023	31,785	2,916	-5.08%	8.40%
	Jul	31,996	29,158	2,667	0.54%	8.38%
	Aug	33,049	29,506	2,697	2.56%	8.38%
	Sep	32,866	27,839	2,556	7.52%	8.41%
	Oct	31,771	27,306	2,512	6.15%	8.42%
	Nov	32,920	27,934	2,560	7.37%	8.40%
	Dec	31,869	24,002	2,189	17.82%	8.36%

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2022	Jan	32,795	27,602	2,541	8.09%	8.43%
	Feb	32,836	26,039	2,389	13.43%	8.40%
	Mar	29,688	23,969	2,199	11.85%	8.40%
	Apr	32,957	29,815	2,736	1.23%	8.40%
	May	31,962	31,457	2,888	-7.46%	8.41%
	Jun	33,062	33,051	3,033	-9.14%	8.41%
	Jul	32,036	30,299	2,772	-3.23%	8.38%
	Aug	33,090	30,669	2,804	-1.16%	8.38%
	Sep	32,901	28,951	2,659	3.92%	8.41%
	Oct	31,804	28,404	2,614	2.47%	8.43%
	Nov	32,957	29,039	2,662	3.81%	8.40%
	Dec	31,905	24,937	2,275	14.71%	8.36%
2023	Jan	32,827	28,661	2,640	4.65%	8.43%
	Feb	32,869	27,015	2,480	10.27%	8.41%
	Mar	29,719	24,869	2,282	8.64%	8.41%
	Apr	32,993	30,935	2,839	-2.37%	8.41%
	May	31,999	32,644	2,998	-11.39%	8.41%
	Jun	33,102	34,300	3,149	-13.13%	8.41%
	Jul	32,075	31,423	2,876	-6.93%	8.38%
	Aug	33,130	31,814	2,910	-4.81%	8.38%
	Sep	32,936	30,047	2,761	0.39%	8.41%
	Oct	31,837	29,488	2,714	-1.15%	8.43%
	Nov	32,993	30,128	2,763	0.31%	8.40%
	Dec	31,940	25,857	2,360	11.66%	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%

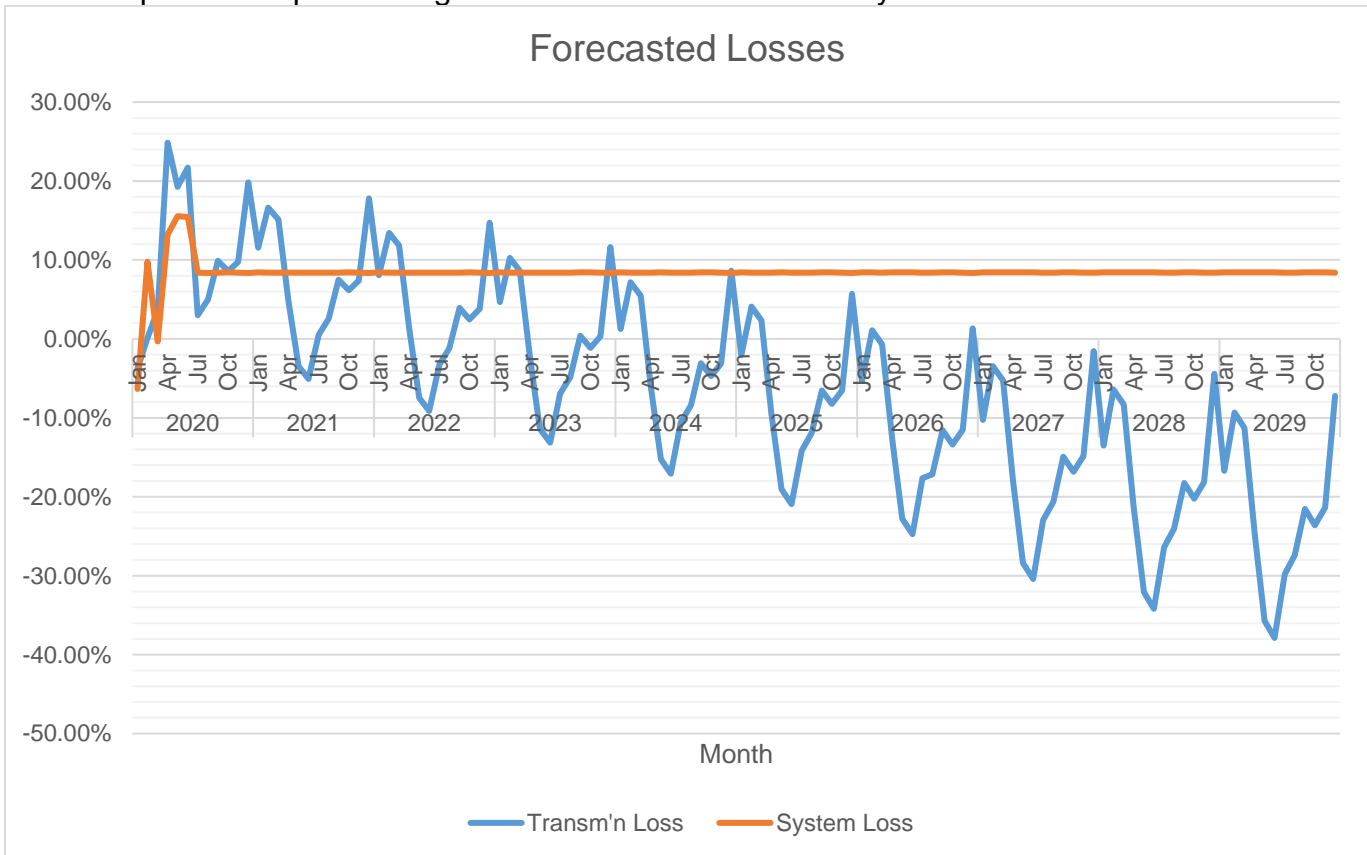
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Mar	29,809	27,492	2,525	-0.70%	8.41%
	Apr	33,099	34,202	3,142	-12.83%	8.41%
	May	32,108	36,110	3,320	-22.80%	8.42%
	Jun	33,216	37,946	3,486	-24.74%	8.41%
	Jul	32,190	34,697	3,178	-17.66%	8.39%
	Aug	32,750	35,154	3,219	-17.17%	8.39%
	Sep	32,541	33,250	3,058	-11.57%	8.42%
	Oct	31,453	32,653	3,008	-13.38%	8.44%
	Nov	32,603	33,305	3,057	-11.53%	8.41%
	Dec	31,564	28,537	2,607	1.33%	8.37%
2027	Jan	32,455	32,763	3,021	-10.26%	8.44%
	Feb	32,501	30,788	2,829	-3.43%	8.42%
	Mar	29,391	28,343	2,604	-5.29%	8.42%
	Apr	32,637	35,261	3,240	-17.97%	8.42%
	May	31,663	37,235	3,424	-28.41%	8.42%
	Jun	32,757	39,129	3,596	-30.43%	8.42%
	Jul	31,747	35,757	3,276	-22.95%	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	32,497	34,719	3,205	-16.70%	8.45%
	Feb	32,545	32,579	2,997	-9.31%	8.43%
	Mar	29,433	29,992	2,759	-11.27%	8.42%
	Apr	32,683	37,315	3,433	-24.67%	8.43%
	May	31,710	39,416	3,629	-35.75%	8.43%
	Jun	32,806	41,423	3,812	-37.89%	8.43%
	Jul	31,796	37,808	3,469	-29.82%	8.40%
	Aug	32,837	38,331	3,515	-27.44%	8.40%
	Sep	32,619	36,306	3,344	-21.55%	8.43%
	Oct	31,527	35,679	3,291	-23.61%	8.45%
	Nov	32,684	36,332	3,340	-21.38%	8.42%
	Dec	31,643	31,081	2,844	-7.21%	8.38%

MWh Offtake was forecasted using bottom-top time series method. The assumed load factor is 86.76%. The first six months of 2020 is the actual data showing the effect of Covid-19 pandemic.

System Loss was calculated through a Load Flow Study conducted on a monthly basis by AKELCO Engineering Department using Distribution System Analysis Software (DSAS) and Synergi software. Based on the same study, the Distribution System can adequately convey electricity to customers if the proposed substation and distribution system improvement projects are implemented.



MWh Output was expected to grow at a rate of 3.09% annually.



Transmission Loss is expected to range from -37.89% to 19.85% while System Loss is expected to range from 8.35% to 8.45%.

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	12/26/2019	12/25/2020

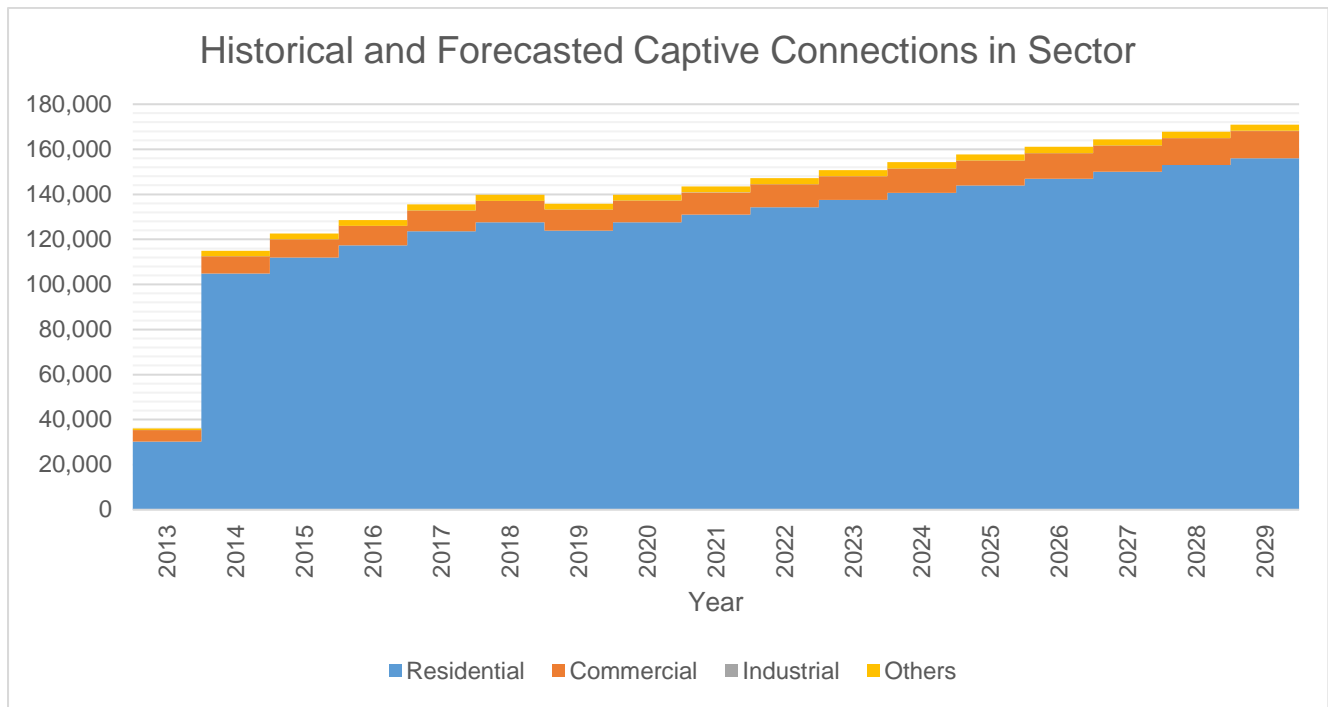
The PSA with Panay Energy Development Corporation filed with ERC under Case No. 2010-108RC was procured through negotiated bidding. It was selected to provide for base requirements due to the need for stable supply. Historically, the utilization of the PSA is 100%. Despite the outages of the plant customers are still served by AKELCO being connected to the grid and WESM is catering the loss supply. The actual billed overall monthly charge under the PSA ranged from 5.63 P/kWh to 7.10 P/KWh in the same period.

The PSA with Panay Power Corporation filed with ERC under Case No. 2005-13RC was procured through negotiated bidding. It was selected to provide for intermediate/peaking requirements due to the need for stable supply. Historically, the utilization of the PSA is upon the need of AKELCO during its day and night peak. Despite the outages of the plant customers are still served by AKELCO being connected to the grid and WESM is catering the loss supply. The actual billed overall monthly charge under the PSA varies whether the plant is being utilized or not or the peak prices of WESM is cheaper or not.

The PSA with Green Core Geothermal Inc. filed with ERC under Case No. 2011-025RC was procured through negotiated bidding. It was selected to provide for base requirements due to the need for stable supply. Historically, the utilization of the PSA is 100%. Despite the outages of the plant customers are still served by AKELCO being connected to the grid and WESM is catering the loss supply. The actual billed overall monthly charge under the PSA is 5.40 P/kWh in the same period.

The PSA with Palm Concepcion Power Corporation filed with ERC under Case No. 2016-010MC was procured through negotiated bidding. It was selected to provide for base requirements due to the need for stable supply. Historically, the utilization of the PSA is 100%. Despite the outages of the plant customers are still served by AKELCO being connected to the grid and WESM is catering the loss supply. The actual billed overall monthly charge under the PSA ranged from 5.75 P/kWh to 6.81 P/KWh in the same period.

Captive Customer Connections



The number of residential connections is expected to grow at a rate of 2.51% annually. Said customer class is expected to account for 35.36% of the total consumption (based 2019).