



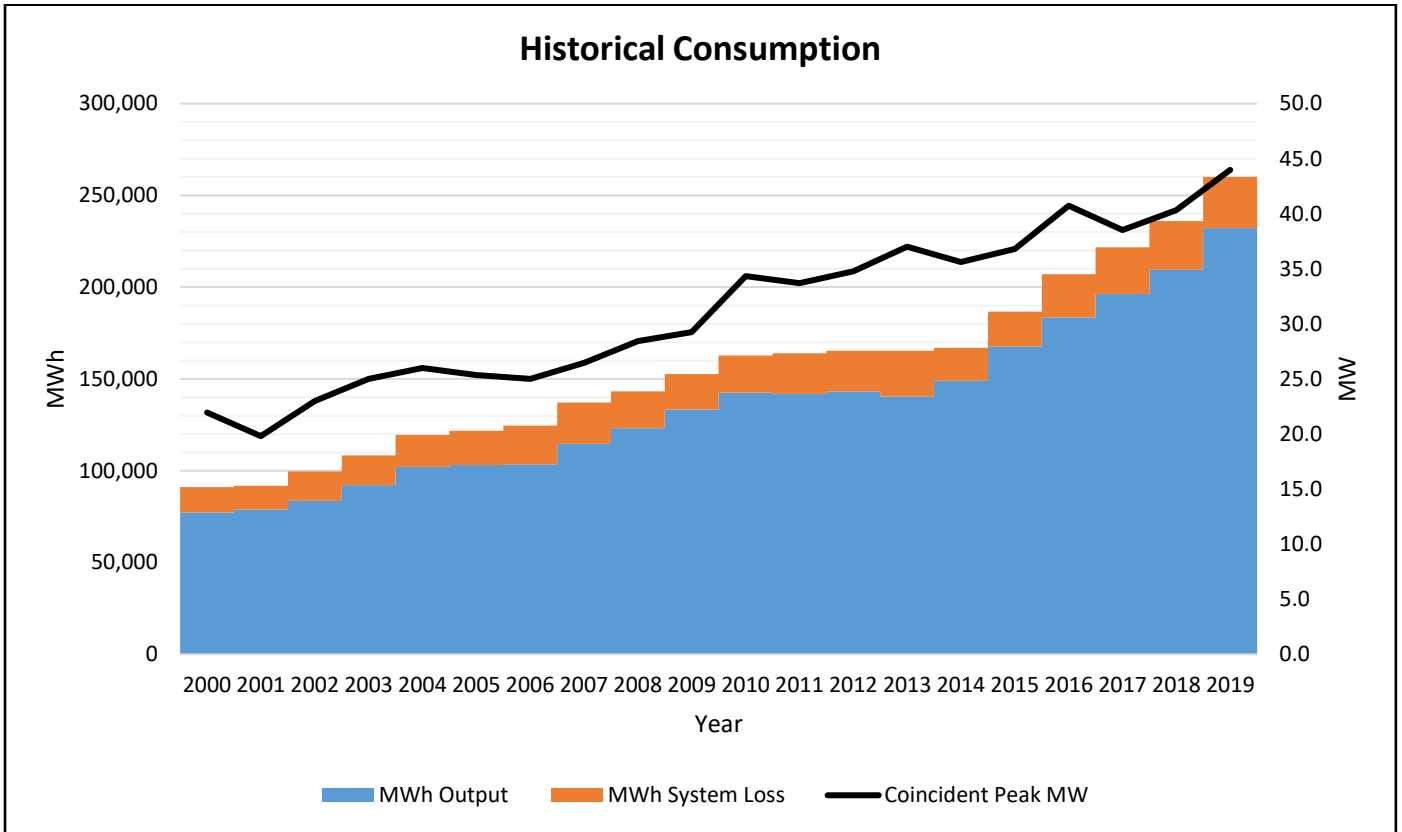
Power Supply Procurement Plan 2020

**NORTHERN NEGROS ELECTRIC COOPERATIVE, INC.
(NONECO)**

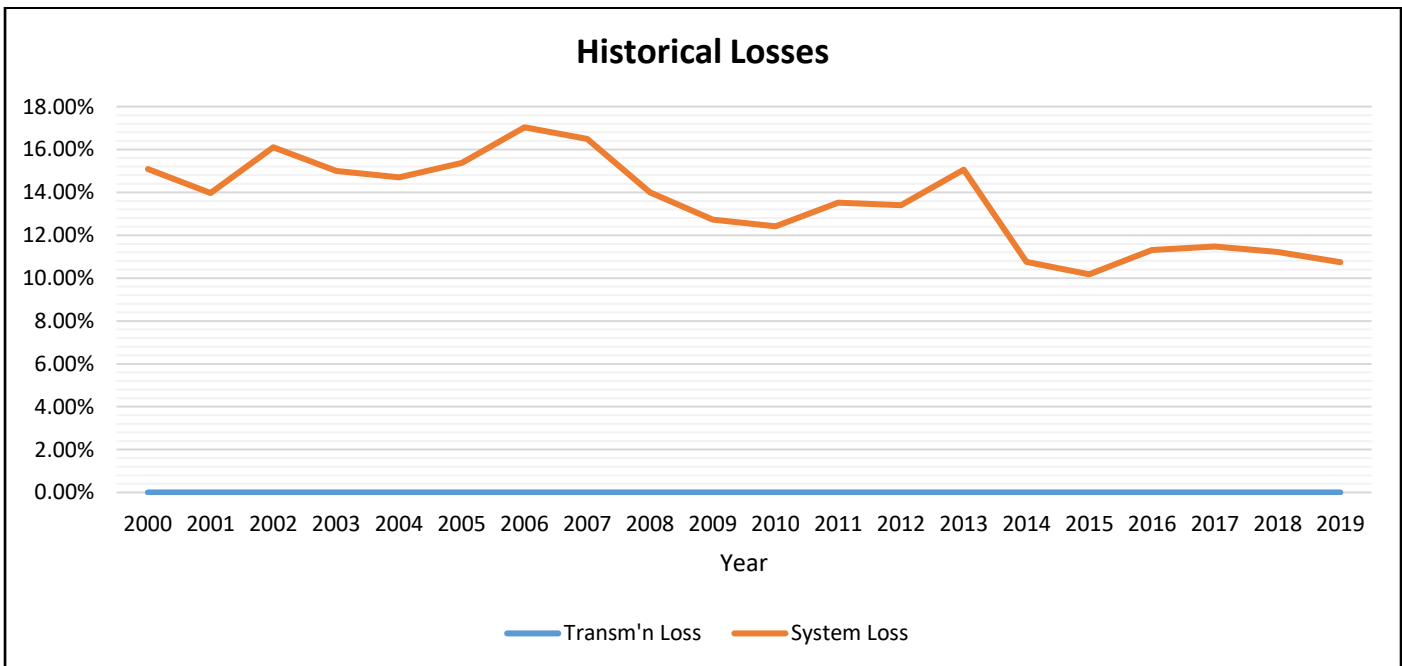
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	21.97	91,028	0	91,028	77,296	13,733	47%	0.00%	0.00%	15.09%
2001	19.81	91,784	0	91,784	78,963	12,821	53%	0.00%	0.00%	13.97%
2002	23.00	99,722	0	99,722	83,658	16,064	49%	0.00%	0.00%	16.11%
2003	25.00	108,305	0	108,305	92,055	16,250	49%	0.00%	0.00%	15.00%
2004	26.00	119,588	0	119,588	102,003	17,585	53%	0.00%	0.00%	14.70%
2005	25.35	121,792	0	121,792	103,079	18,713	55%	0.00%	0.00%	15.36%
2006	25.00	124,633	0	124,633	103,401	21,232	57%	0.00%	0.00%	17.04%
2007	26.46	137,201	0	137,201	114,576	22,625	59%	0.00%	0.00%	16.49%
2008	28.43	143,223	0	143,223	123,175	20,047	58%	0.00%	0.00%	14.00%
2009	29.25	152,658	0	152,658	133,227	19,432	60%	0.00%	0.00%	12.73%
2010	34.34	162,704	0	162,704	142,502	20,201	54%	0.00%	0.00%	12.42%
2011	33.69	163,942	-18,911	163,942	141,779	22,163	56%	0.00%	0.00%	13.52%
2012	34.77	165,422	-21,234	165,422	143,251	22,172	54%	0.00%	0.00%	13.40%
2013	37.01	165,451	-17,917	165,451	140,527	24,924	51%	0.00%	0.00%	15.06%
2014	35.60	166,886	-12,904	166,886	148,928	17,958	54%	0.00%	0.00%	10.76%
2015	36.82	186,722	18,834	186,722	167,722	19,000	58%	0.00%	0.00%	10.18%
2016	40.74	206,989	46,480	206,989	183,588	23,401	58%	0.00%	0.00%	11.31%
2017	38.51	221,748	30,681	221,748	196,304	25,443	66%	0.00%	0.00%	11.47%
2018	40.31	235,964	46,956	235,964	209,489	26,475	67%	0.00%	0.00%	11.22%
2019	43.98	260,113	65,478	260,113	232,156	27,957	68%	0.00%	0.00%	10.75%

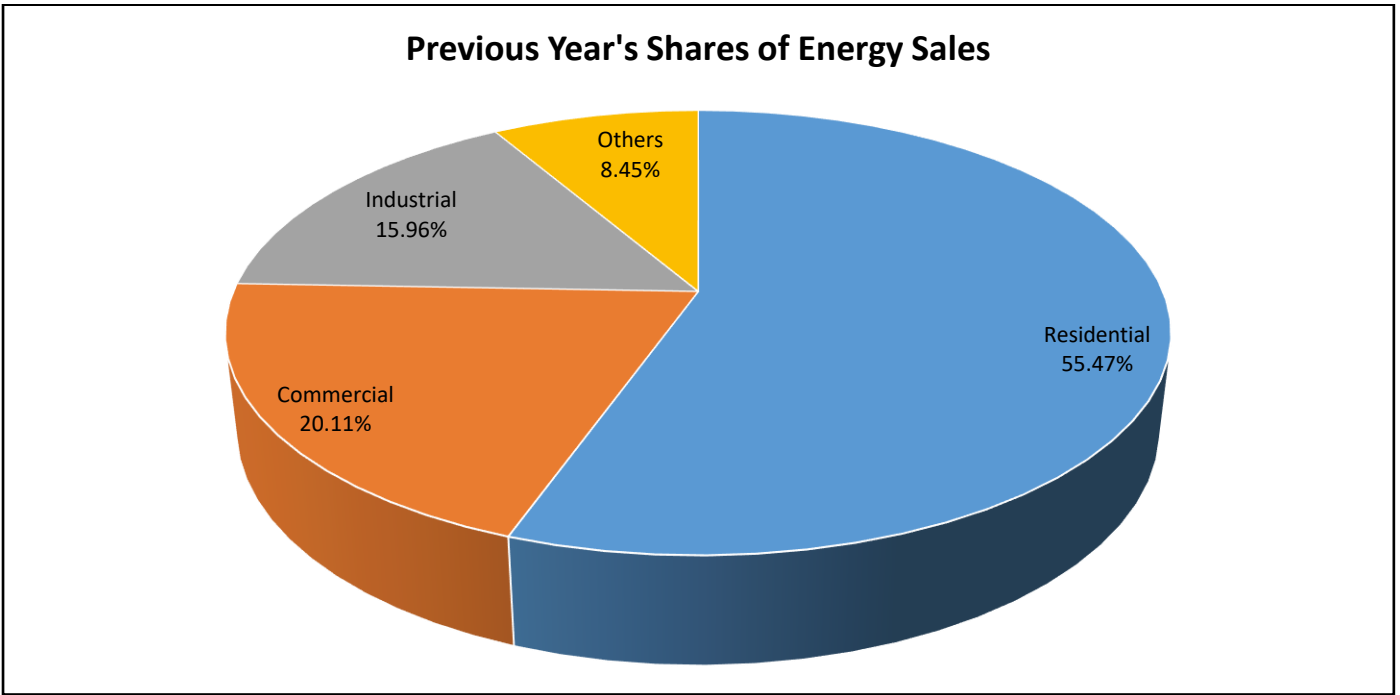
Peak Demand increased from 21.97 MW in 2000 to 43.98 MW in 2019 at a rate of 3.66% due to on-going programs of Local Government Units (LGUs) to develop the way of living of consumers primarily in the northern part of Negros. Commercial buildings, revitalization of prawn farms and fish ponds, and increasing consumption for residential consumers that increase our demand. MWh Offtake increased from 91,028 MWh in 2000 to 260,113 MWh in 2019 at a rate of 2.10%, which highlights the entrant of new commercial establishments. Within the same period, the Load Factor ranged from 47% to 68%. There was an abrupt change in consumption in 2019 because of some private commercial building and the on-going campaign of the year, especially on the Sitio Electrification Program and Barangay Line Enhancement Program.



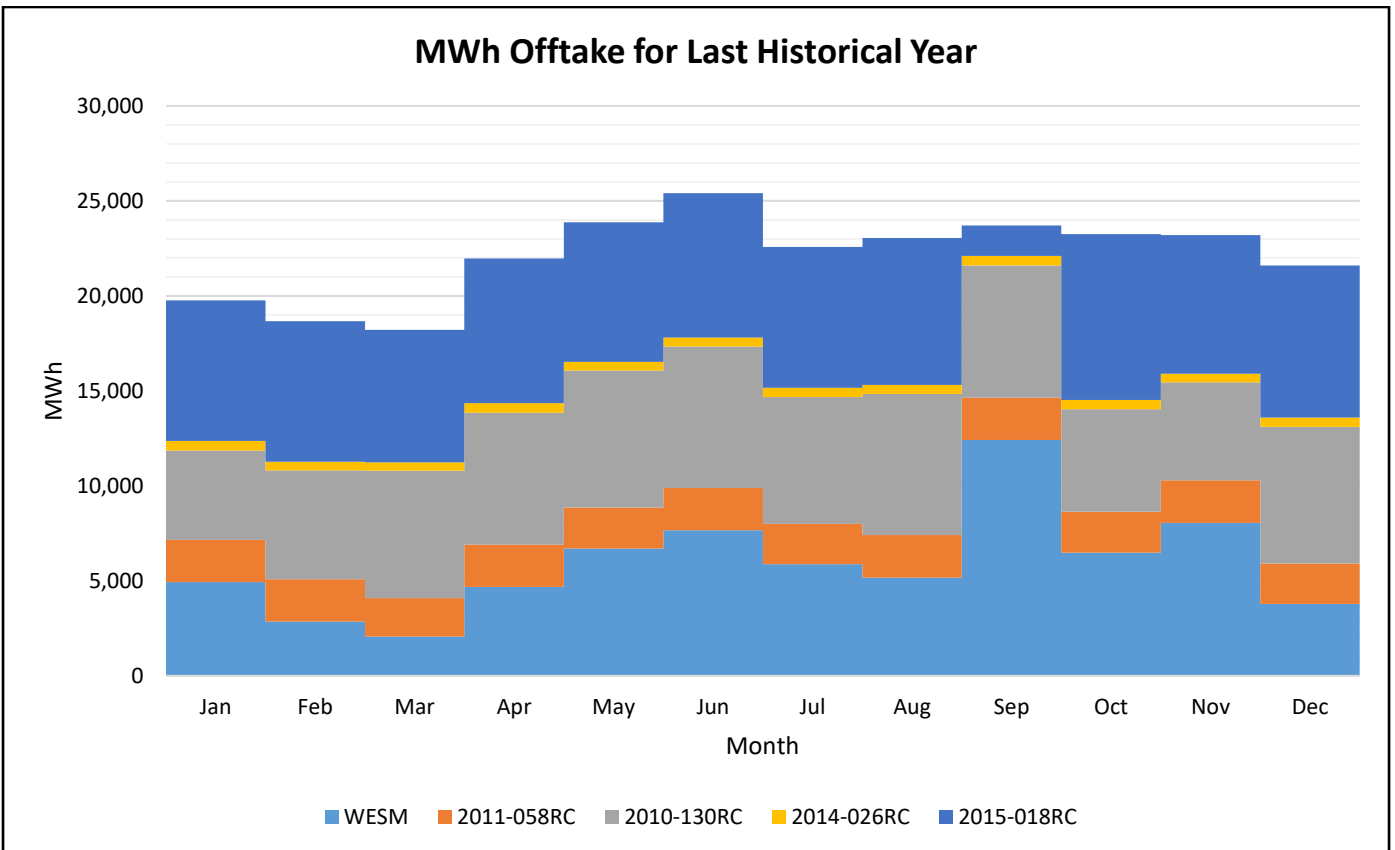
MWh Output increased from the year 2000 to the year 2019 at a rate of 5.51%, but for the past five (5) years, it records an average increase of 7.43%. While MWh System Loss abruptly decreased from 15.06% of 2013 to 10.76% of 2014 with a decrease of 4.30%. During the past five (5) years, NONECO system loss is below the cap, with an average of 10.75%.



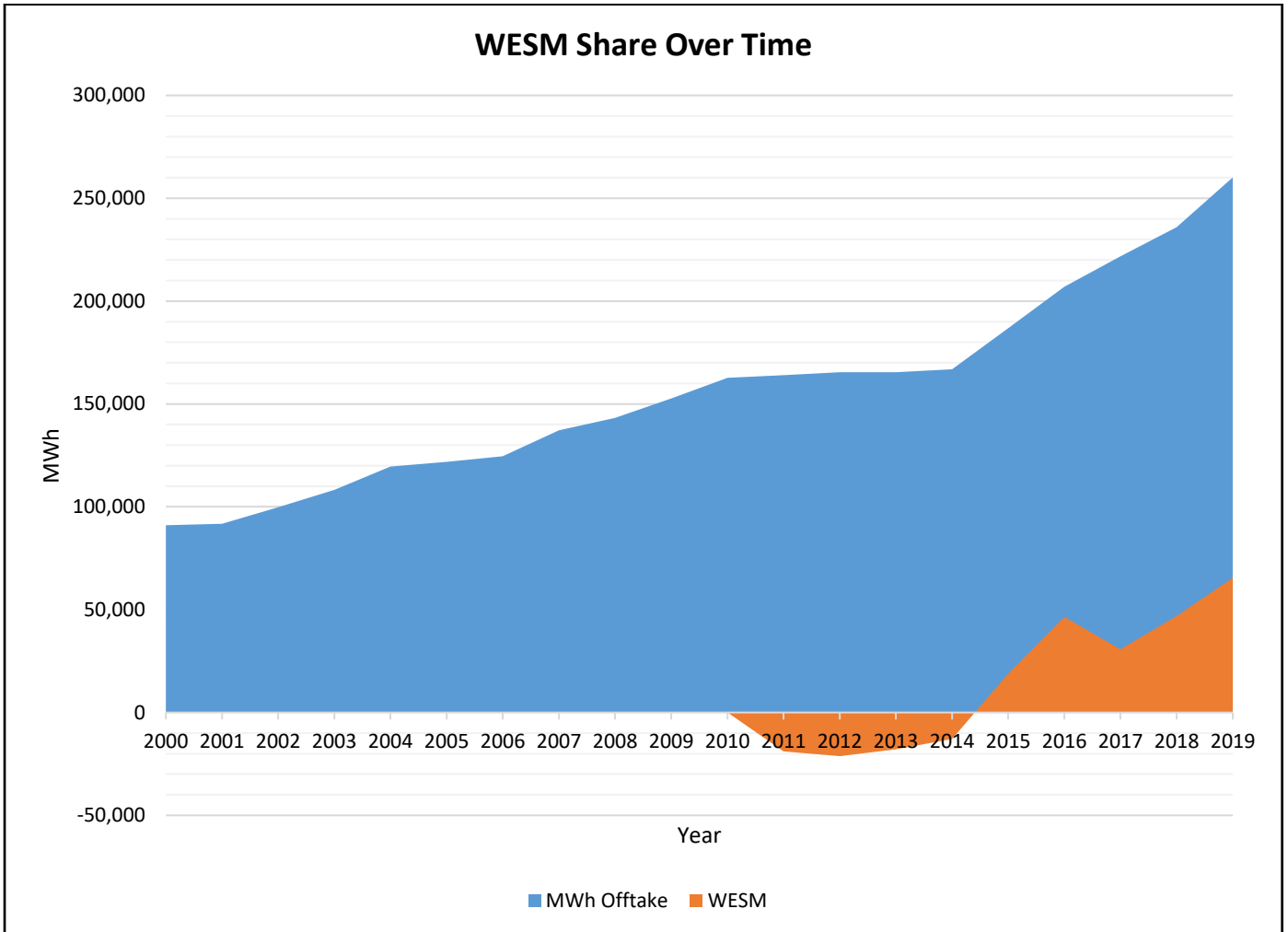
NONECO did not compute the Sub-Transmission Loss because the NGCP Metering Points are located in the substations. Site-Specific Loss Adjustment (SSLA) will not be considered as a Transmission loss because IEMOP already includes it in the Wholesale Electricity Spot Market (WESM) billing computations.



Residential customers account for the bulk of energy sales at 55.47% due to the high number of connections. In contrast, Commercial and Industrial customers accounted for 36.07% of energy sales despite the low number of connections.



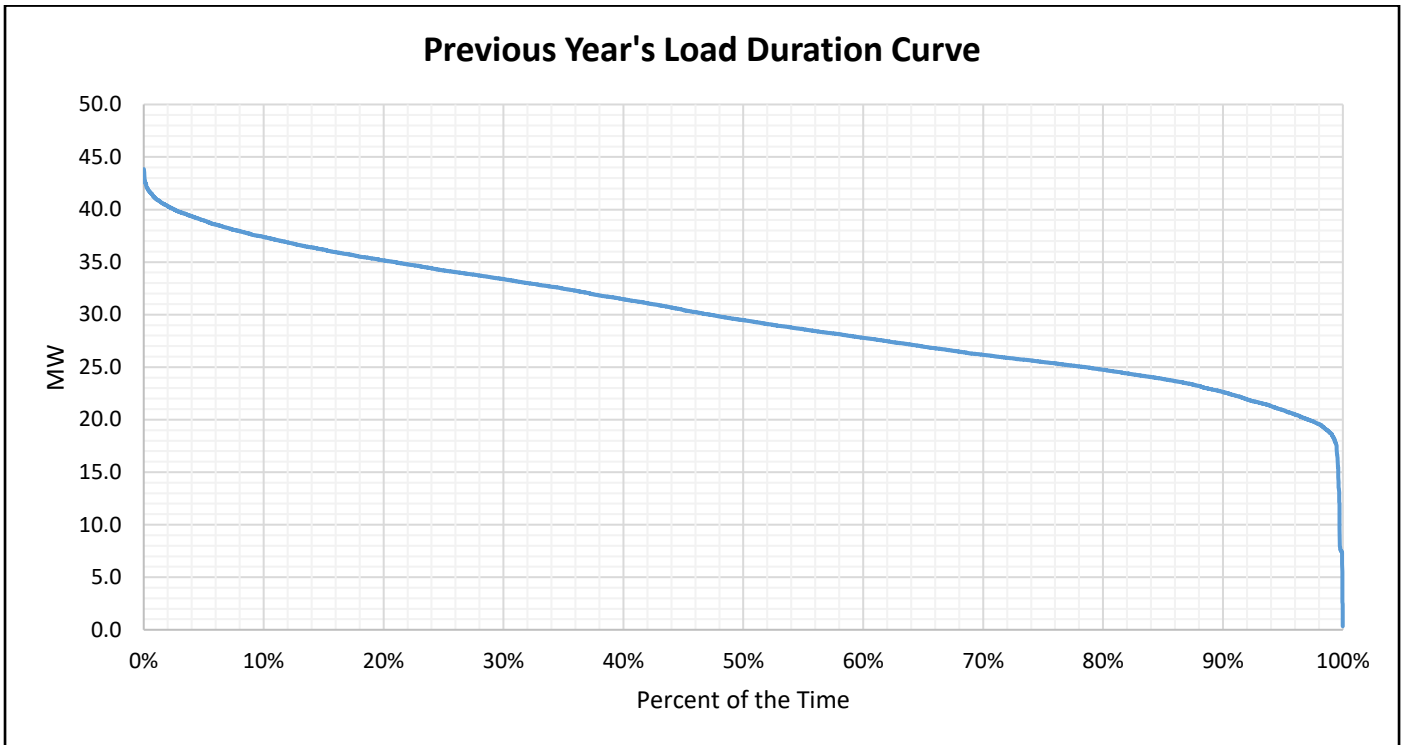
For 2019, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. The PSA with Palm Concepcion Power Corporation accounts for the bulk of MWh Offtake.



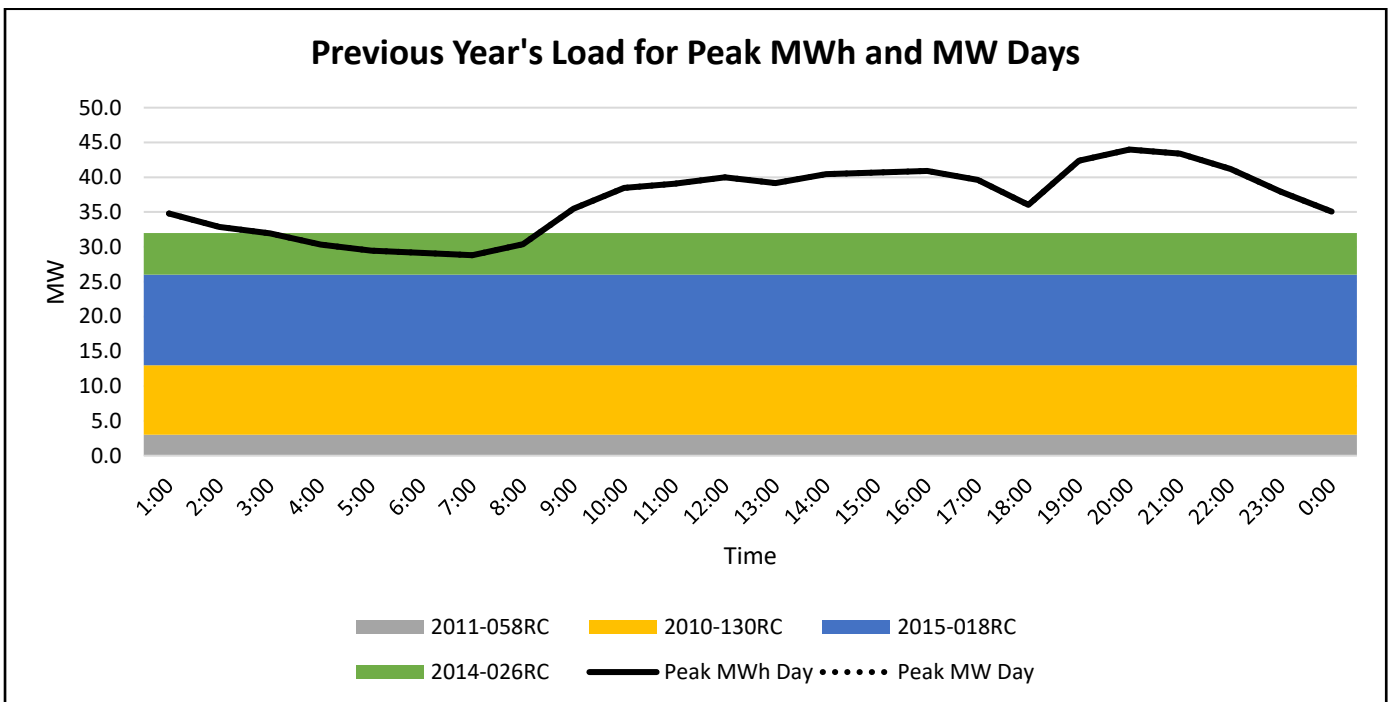
WESM Offtake increased from -18,911 MWh in 2011 to 65,478 MWh in 2019 at a rate of 16% due to on-going programs of Local Government Units (LGUs) to develop the way of living consumers primarily in the northern part of Negros. Commercial buildings, revitalization of prawn farms and fish ponds, and increasing consumption for residential consumers that improves the system demand. The share of WESM in the total Offtake ranged from 10.09% to 25.17%.

Indicated the graph that there's a negative exposure in WESM from 2011 to 2014 because of the manageable power supply contract in Power Sector Asset and Liability Management (PSALM). During the nominations, zero Bilateral Contract Quantity (BCQ) nomination from 0100H to 0800H intervals and the un-nominated BCQ will be proportionally added to BCQ from 0900H up to 1600H intervals for us, NONECO, will have an opportunity of selling energy in WESM.

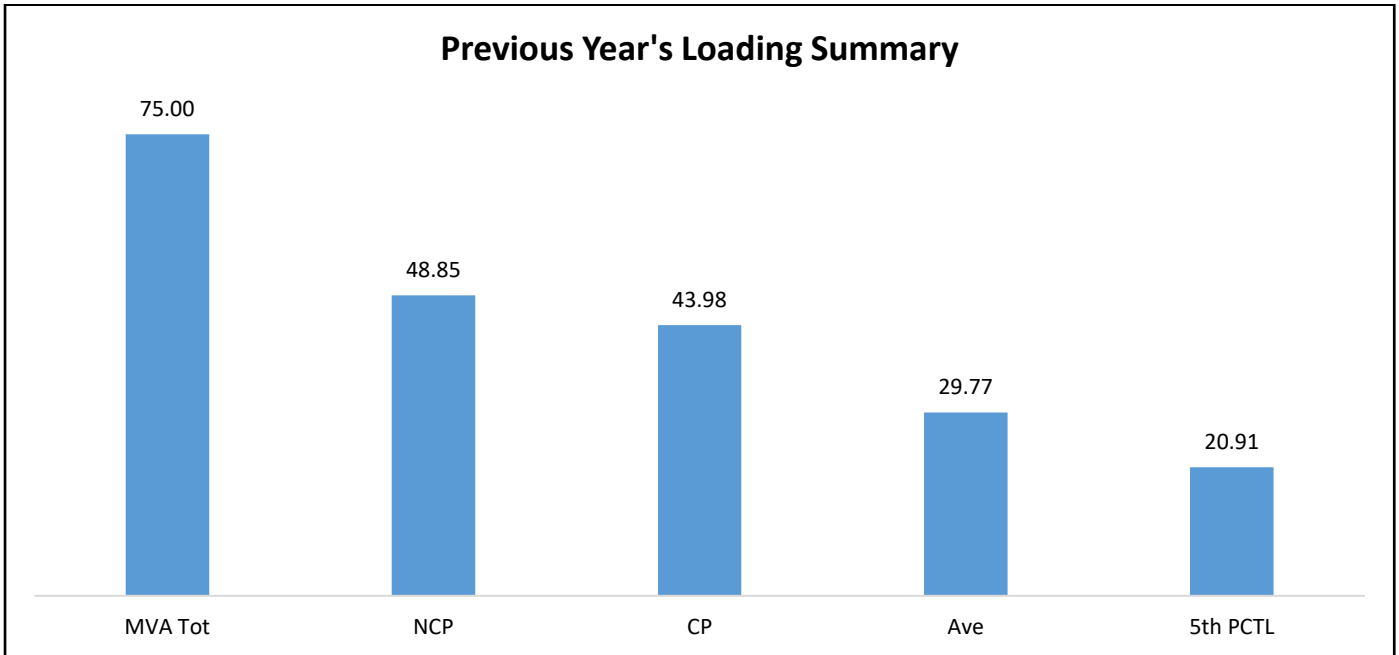
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 0 MW due to the power interruptions. But, that's not the actual minimum demand of NONECO. Based on the 5th percentile load, most likely, the minimum is at 20.91 MW, and the maximum load is 43.98 MW for the last historical year.



Peak MW occurred at eight o'clock in the evening of 14 May 2019 due to increased demand during summertime. Peak daily MWh occurred on 14 May 2019 due to the summer season and due to hot weather conditions. As shown in the Load Curves, the available supply is lower than the Peak Demand.



The Non-coincident Peak Demand is 48.85 MW, which is around 65.13% of the total substation capacity of 75 MVA at a power factor of 65.13. The load factor or the ratio between the Average Load of 29.77 MW and the Non-coincident Peak Demand is 60.94%. A safe estimate of the actual minimum load is the fifth percentile load of 20.91 MW, which is 42.80% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
Victorias	15	12.394
Cadiz	10	8.741
Sagay	10	6.015
San Carlos	20	9.937
Escalante	10	4.769
Lopez	5	2.972
Manapla	5	4.022

The substations loaded at above 70% are Victorias Substation, Cadiz Substation, and Manapla Substation. This loading problem will be solved by 2021.

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
2020	Jan	40.69	26.00	6.00	0.000		64%	79%	-8.69
	Feb	39.17	26.00	6.00	0.000		66%	82%	-7.17
	Mar	38.70	26.00	6.00	0.000		67%	83%	-6.70
	Apr	40.71	26.00	6.00	0.000		64%	79%	-8.71
	May	43.70	26.00	6.00	0.000		59%	73%	-11.70
	Jun	45.30	26.00	6.00	0.000		57%	71%	-13.30
	Jul	42.76	26.00	6.00	0.000		61%	75%	-10.76
	Aug	43.55	26.00	6.00	0.000		60%	73%	-11.55
	Sep	43.39	26.00	6.00	0.000		60%	74%	-11.39
	Oct	43.74	26.00	6.00	0.000		59%	73%	-11.74
	Nov	43.73	26.00	0.00	0.000		59%	59%	-17.73
	Dec	43.14	26.00	0.00	0.000		60%	60%	-17.14
2021	Jan	43.05	26.00	0.00	0.000		60%	60%	-17.05
	Feb	41.44	26.00	0.00	0.000		63%	63%	-15.44
	Mar	40.94	26.00	0.00	0.000		64%	64%	-14.94
	Apr	43.07	26.00	0.00	0.000		60%	60%	-17.07
	May	46.23	26.00	0.00	0.000		56%	56%	-20.23
	Jun	47.93	26.00	0.00	0.000		54%	54%	-21.93
	Jul	45.24	26.00	0.00	0.000		57%	57%	-19.24
	Aug	46.07	26.00	0.00	0.000		56%	56%	-20.07
	Sep	45.91	26.00	0.00	0.000		57%	57%	-19.91
	Oct	46.27	26.00	0.00	0.000		56%	56%	-20.27
	Nov	46.26	26.00	0.00	0.000		56%	56%	-20.26
	Dec	45.64	26.00	0.00	0.000		57%	57%	-19.64
2022	Jan	45.20	26.00	0.00	7.000		58%	73%	-12.20
	Feb	43.52	26.00	0.00	7.000		60%	76%	-10.52
	Mar	42.99	26.00	0.00	7.000		60%	77%	-9.99

NONECO Power Supply Plan 2020

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Apr	45.23	26.00	0.00	7.000		57%	73%	-12.23
	May	48.55	26.00	0.00	7.000		54%	68%	-15.55
	Jun	50.33	16.00	0.00	32.000		32%	95%	-2.33
	Jul	47.50	16.00	0.00	32.000		34%	101%	0.50
	Aug	48.38	16.00	0.00	32.000		33%	99%	-0.38
	Sep	48.21	16.00	0.00	32.000		33%	100%	-0.21
	Oct	48.59	16.00	0.00	32.000		33%	99%	-0.59
	Nov	48.58	16.00	0.00	32.000		33%	99%	-0.58
	Dec	47.93	16.00	0.00	32.000		33%	100%	0.07
2023	Jan	47.25	16.00	0.00	32.000		34%	102%	0.75
	Feb	45.50	16.00	0.00	32.000		35%	106%	2.51
	Mar	44.95	16.00	0.00	32.000		36%	107%	3.05
	Apr	47.28	16.00	0.00	32.000		34%	102%	0.72
	May	50.75	16.00	0.00	32.000		32%	95%	-2.75
	Jun	52.61	16.00	0.00	32.000		30%	91%	-4.61
	Jul	49.66	16.00	0.00	32.000		32%	97%	-1.66
	Aug	50.58	16.00	0.00	32.000		32%	95%	-2.58
	Sep	50.40	16.00	0.00	32.000		32%	95%	-2.40
	Oct	50.79	16.00	0.00	32.000		32%	95%	-2.79
	Nov	50.79	16.00	0.00	32.000		32%	95%	-2.79
	Dec	50.10	16.00	0.00	32.000		32%	96%	-2.10
2024	Jan	49.10	16.00	0.00	32.000		33%	98%	-1.10
	Feb	47.27	16.00	0.00	32.000		34%	102%	0.73
	Mar	46.70	16.00	0.00	32.000		34%	103%	1.30
	Apr	49.13	16.00	0.00	32.000		33%	98%	-1.13
	May	52.73	16.00	0.00	32.000		30%	91%	-4.73
	Jun	54.67	16.00	0.00	32.000		29%	88%	-6.67
	Jul	51.60	16.00	0.00	32.000		31%	93%	-3.60
	Aug	52.55	16.00	0.00	32.000		30%	91%	-4.55

NONECO Power Supply Plan 2020

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Sep	52.36	16.00	0.00	32.000		31%	92%	-4.36
	Oct	52.77	16.00	0.00	32.000		30%	91%	-4.77
	Nov	52.77	16.00	0.00	32.000		30%	91%	-4.77
	Dec	52.06	16.00	0.00	32.000		31%	92%	-4.06
2025	Jan	51.07	16.00	0.00	32.000		31%	94%	-3.07
	Feb	49.17	16.00	0.00	32.000		33%	98%	-1.17
	Mar	48.58	16.00	0.00	32.000		33%	99%	-0.58
	Apr	51.10	16.00	0.00	32.000		31%	94%	-3.10
	May	54.85	16.00	0.00	32.000		29%	88%	-6.85
	Jun	56.87	16.00	0.00	32.000		28%	84%	-8.87
	Jul	53.67	16.00	0.00	32.000		30%	89%	-5.67
	Aug	54.67	16.00	0.00	32.000		29%	88%	-6.67
	Sep	54.47	16.00	0.00	32.000		29%	88%	-6.47
	Oct	54.90	16.00	0.00	32.000		29%	87%	-6.90
	Nov	54.89	16.00	0.00	32.000		29%	87%	-6.89
	Dec	54.15	16.00	0.00	32.000		30%	89%	-6.15
2026	Jan	52.86	13.00	0.00	32.000		25%	85%	-7.86
	Feb	50.89	13.00	0.00	32.000		26%	88%	-5.89
	Mar	50.27	13.00	0.00	32.000		26%	90%	-5.27
	Apr	52.89	13.00	0.00	34.000		25%	89%	-5.89
	May	56.77	13.00	0.00	34.000		23%	83%	-9.77
	Jun	58.85	13.00	0.00	34.000		22%	80%	-11.85
	Jul	55.55	13.00	0.00	34.000		23%	85%	-8.55
	Aug	56.58	13.00	0.00	34.000		23%	83%	-9.58
	Sep	56.37	13.00	0.00	34.000		23%	83%	-9.37
	Oct	56.81	13.00	0.00	34.000		23%	83%	-9.81
	Nov	56.81	13.00	0.00	34.000		23%	83%	-9.81
	Dec	56.04	13.00	0.00	34.000		23%	84%	-9.04
2027	Jan	54.56	13.00	0.00	34.000		24%	86%	-7.56

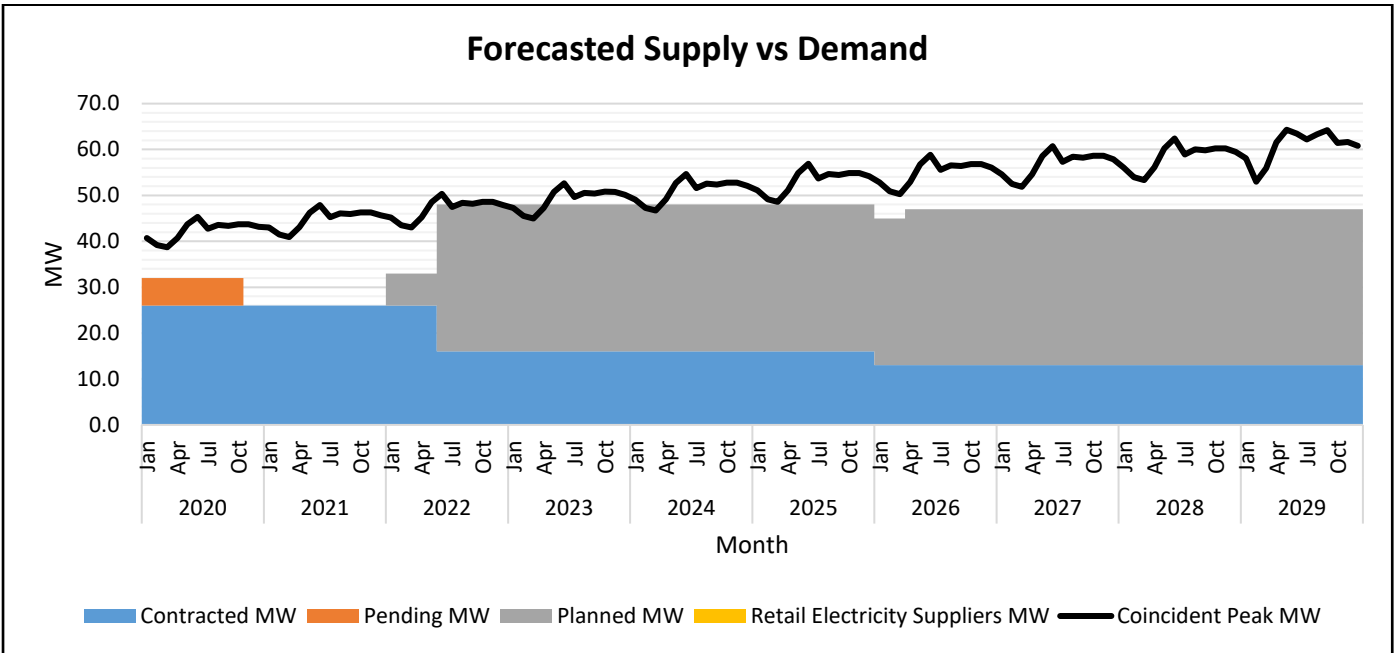
NONECO Power Supply Plan 2020

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Feb	52.53	13.00	0.00	34.000		25%	89%	-5.53
	Mar	51.90	13.00	0.00	34.000		25%	91%	-4.90
	Apr	54.59	13.00	0.00	34.000		24%	86%	-7.59
	May	58.60	13.00	0.00	34.000		22%	80%	-11.60
	Jun	60.75	13.00	0.00	34.000		21%	77%	-13.75
	Jul	57.34	13.00	0.00	34.000		23%	82%	-10.34
	Aug	58.40	13.00	0.00	34.000		22%	80%	-11.40
	Sep	58.19	13.00	0.00	34.000		22%	81%	-11.19
	Oct	58.64	13.00	0.00	34.000		22%	80%	-11.64
	Nov	58.64	13.00	0.00	34.000		22%	80%	-11.64
	Dec	57.85	13.00	0.00	34.000		22%	81%	-10.85
2028	Jan	56.06	13.00	0.00	34.000		23%	84%	-9.06
	Feb	53.98	13.00	0.00	34.000		24%	87%	-6.98
	Mar	53.33	13.00	0.00	34.000		24%	88%	-6.33
	Apr	56.10	13.00	0.00	34.000		23%	84%	-9.10
	May	60.21	13.00	0.00	34.000		22%	78%	-13.21
	Jun	62.42	13.00	0.00	34.000		21%	75%	-15.42
	Jul	58.92	13.00	0.00	34.000		22%	80%	-11.92
	Aug	60.01	13.00	0.00	34.000		22%	78%	-13.01
	Sep	59.79	13.00	0.00	34.000		22%	79%	-12.79
	Oct	60.26	13.00	0.00	34.000		22%	78%	-13.26
	Nov	60.26	13.00	0.00	34.000		22%	78%	-13.26
	Dec	59.44	13.00	0.00	34.000		22%	79%	-12.44
2029	Jan	58.06	13.00	0.00	34.000		22%	81%	-11.06
	Feb	52.99	13.00	0.00	34.000		25%	89%	-5.99
	Mar	55.90	13.00	0.00	34.000		23%	84%	-8.90
	Apr	61.55	13.00	0.00	34.000		21%	76%	-14.55
	May	64.31	13.00	0.00	34.000		20%	73%	-17.31
	Jun	63.42	13.00	0.00	34.000		20%	74%	-16.42

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Jul	62.18	13.00	0.00	34.000		21%	76%	-15.18
	Aug	63.30	13.00	0.00	34.000		21%	74%	-16.30
	Sep	64.22	13.00	0.00	34.000		20%	73%	-17.22
	Oct	61.42	13.00	0.00	34.000		21%	77%	-14.42
	Nov	61.62	13.00	0.00	34.000		21%	76%	-14.62
	Dec	60.79	13.00	0.00	34.000		21%	77%	-13.79

The System Energy requirement for 2016 to 2030 was forecasted using cubic & logarithmic trend forecast method and an equation of $Y = 20,526,329.73Int^3 - 53,543,271.48Int^2 + 44,040,373.90Int + 152,539,036.26$, R2 statistic is 1.000 with Adjusted R2 is 0.9999. The Mean Absolute Percentage Error (MAPE) is 0.03%, and the peak demand occurs in May due to the peak of the summer season and based on historical data.

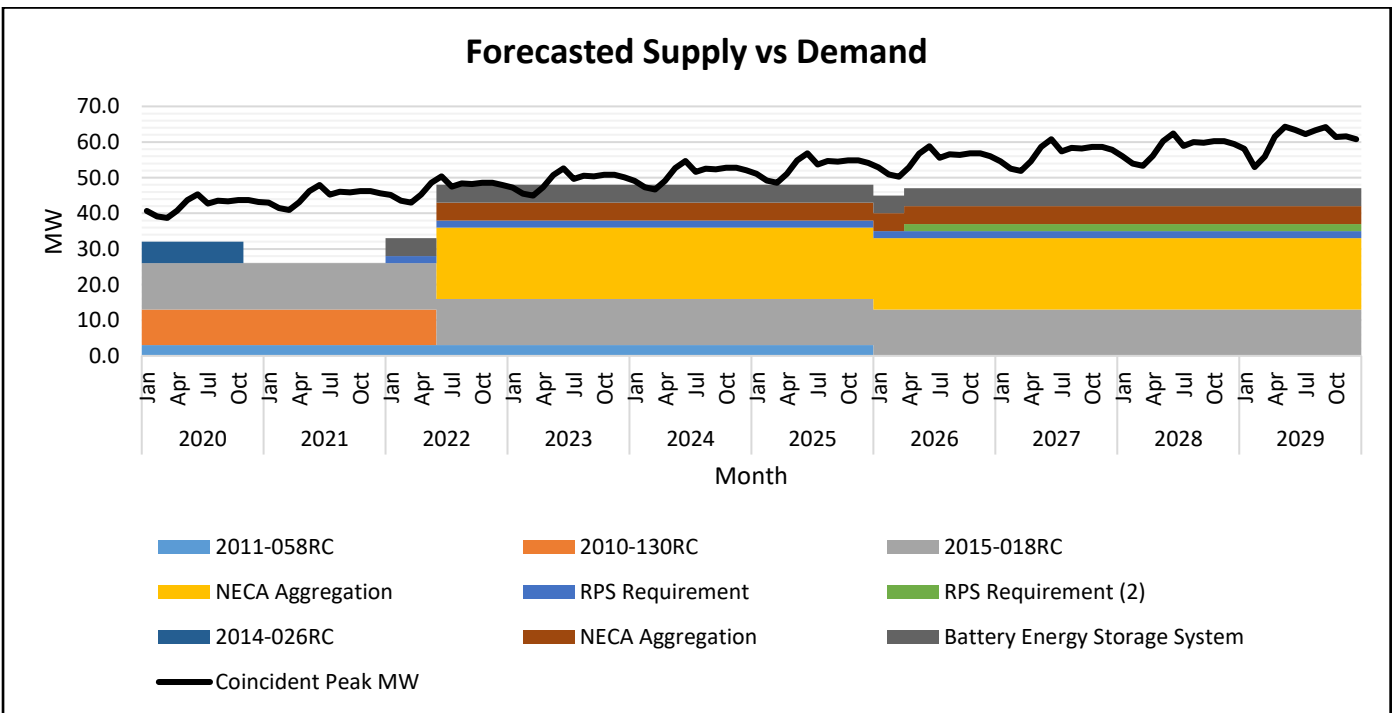
Monthly Peak Demand is at its lowest in April and November due to the Lenten season and All Saints and All Souls day. In general, Peak Demand is theoretically to grow at a rate of 5% annually. The average historical growth rate of energy purchased for seven (7) years is 3.47% and was forecasted to increase to an average of 3.53% for the year 2016 to 2030. The increases in demand for energy requirements rely on the augment of the number of customers and expansion projects considering the economic development of the NONECO franchise area.



The available supply is generally below the Peak Demand because the Distribution Utility mandated to have a power supply contract 70% to 90% of its demand to avoid exposure to the electricity market.x`

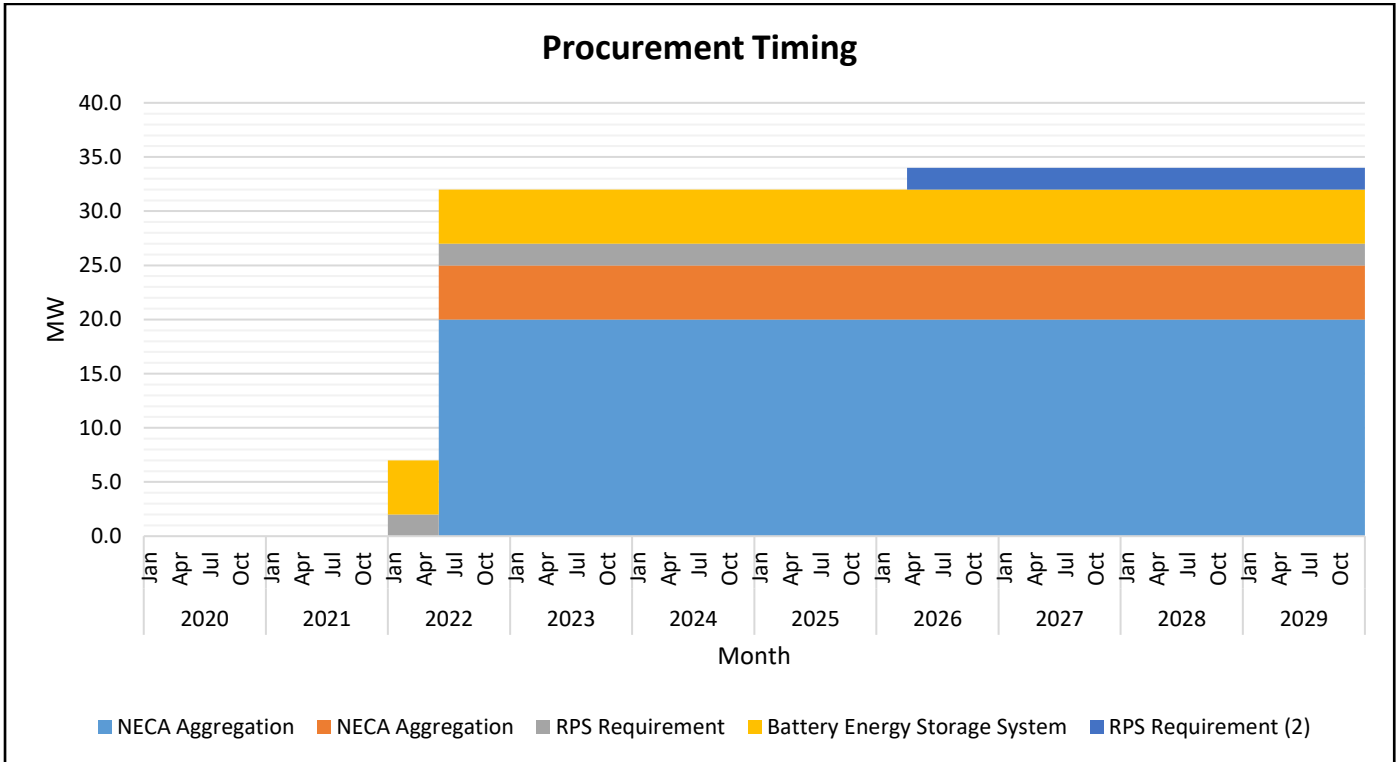
An under-contract is spotted in the year 2020 up to the year 2022 because of the significant and abrupt increase of NONECO's demand, especially on Residential and Commercial consumers' demand.

For the year 2021, one of our power suppliers, which during peaking, will expire, but we will conduct a CSP for our baseload and peaking demand, and the target date of delivery is on the 2nd quarter of 2022.

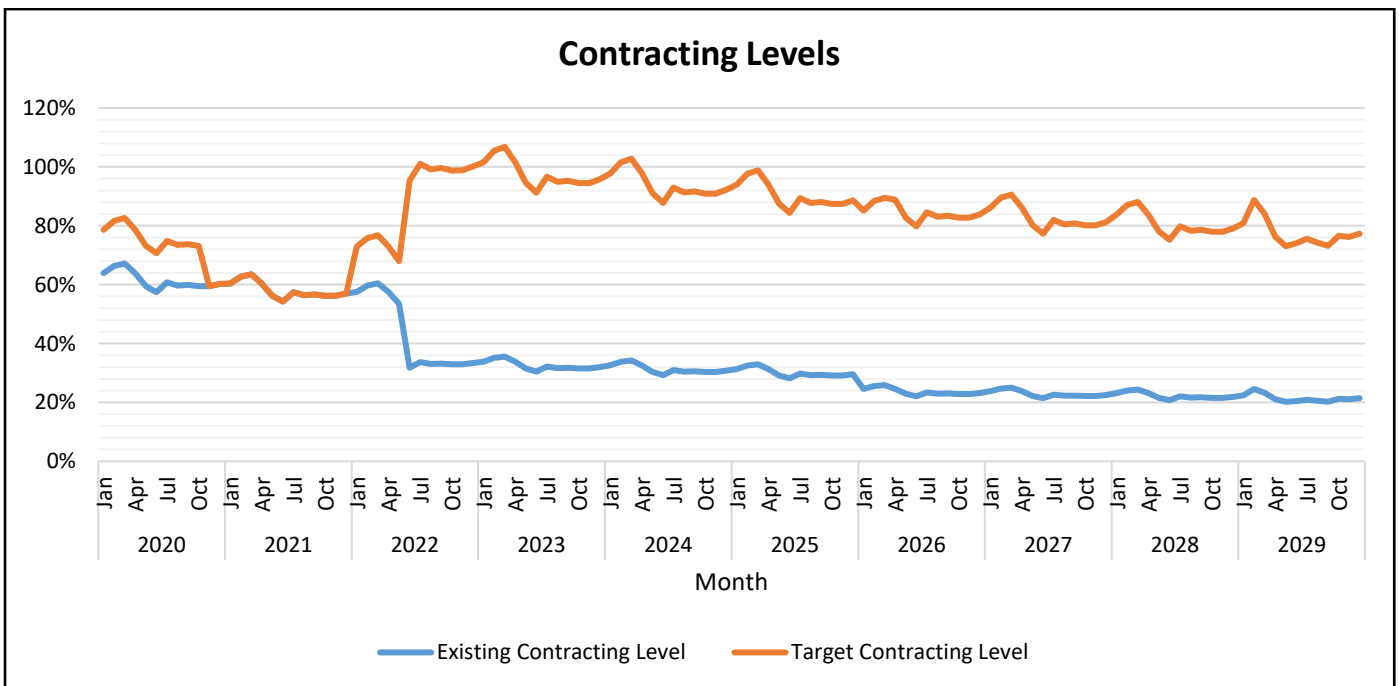


Of the available supply, the largest is 13 MW from a contract with ERC Case No. 2015-018 RC, followed by 10 MW with ERC Case No. 2010-130 RC. Negros Island

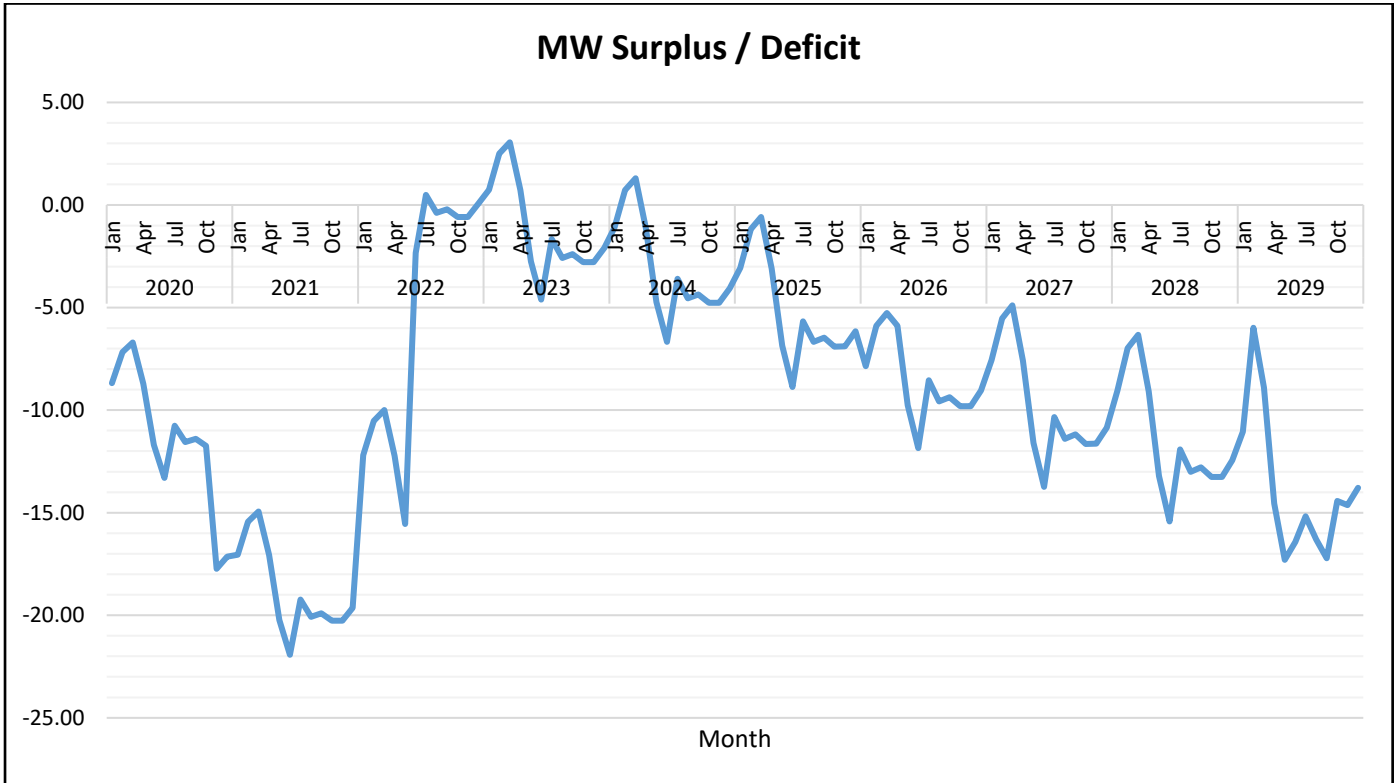
Electric Cooperative Association (NECA) initiates to have a power supply aggregation for the un-contracted baseload and peaking demand of every ECs to conduct CSP starting 2022. NECA Board forms a Technical Working Group to facilitate that aggregation.



The first wave of supply procurement will be for 2 MW planned to be available by January 2020 for our Renewable Portfolio Standard (RPS) requirement, followed by a 20 MW Base and 5 MW Peaking contract for NECA Aggregation which expecting for a delay in conducting of CSP.



Currently, there is under-contracting by 38.52%. The highest target contracting level is 107%, which is expected to occur in March of 2023. The lowest target contracting level is 54%, which is expected to occur in June of 2021.



Currently, there is under-contacting by 11 MW. The highest deficit is 17 MW, which is expected to occur in November 2020. The lowest deficit is 6 MW, which is expected to happen in March 2020.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2020	Jan	19,992	17,824	2,169	0.00%	10.85%
	Feb	20,298	18,096	2,202	0.00%	10.85%
	Mar	19,290	17,198	2,093	0.00%	10.85%
	Apr	22,459	20,023	2,436	0.00%	10.85%
	May	24,013	21,408	2,605	0.00%	10.85%
	Jun	24,134	21,516	2,618	0.00%	10.85%
	Jul	23,463	20,918	2,545	0.00%	10.85%
	Aug	24,959	22,251	2,707	0.00%	10.85%
	Sep	23,450	20,906	2,544	0.00%	10.85%
	Oct	23,375	20,840	2,536	0.00%	10.85%
	Nov	23,560	21,004	2,556	0.00%	10.85%
	Dec	22,834	20,357	2,477	0.00%	10.85%
2021	Jan	21,100	18,810	2,291	0.00%	10.86%
	Feb	21,423	19,098	2,326	0.00%	10.86%
	Mar	20,359	18,149	2,210	0.00%	10.86%
	Apr	23,704	21,131	2,573	0.00%	10.86%
	May	25,344	22,593	2,751	0.00%	10.86%
	Jun	25,471	22,706	2,765	0.00%	10.86%
	Jul	24,764	22,075	2,688	0.00%	10.86%
	Aug	26,342	23,482	2,860	0.00%	10.86%
	Sep	24,749	22,063	2,687	0.00%	10.86%

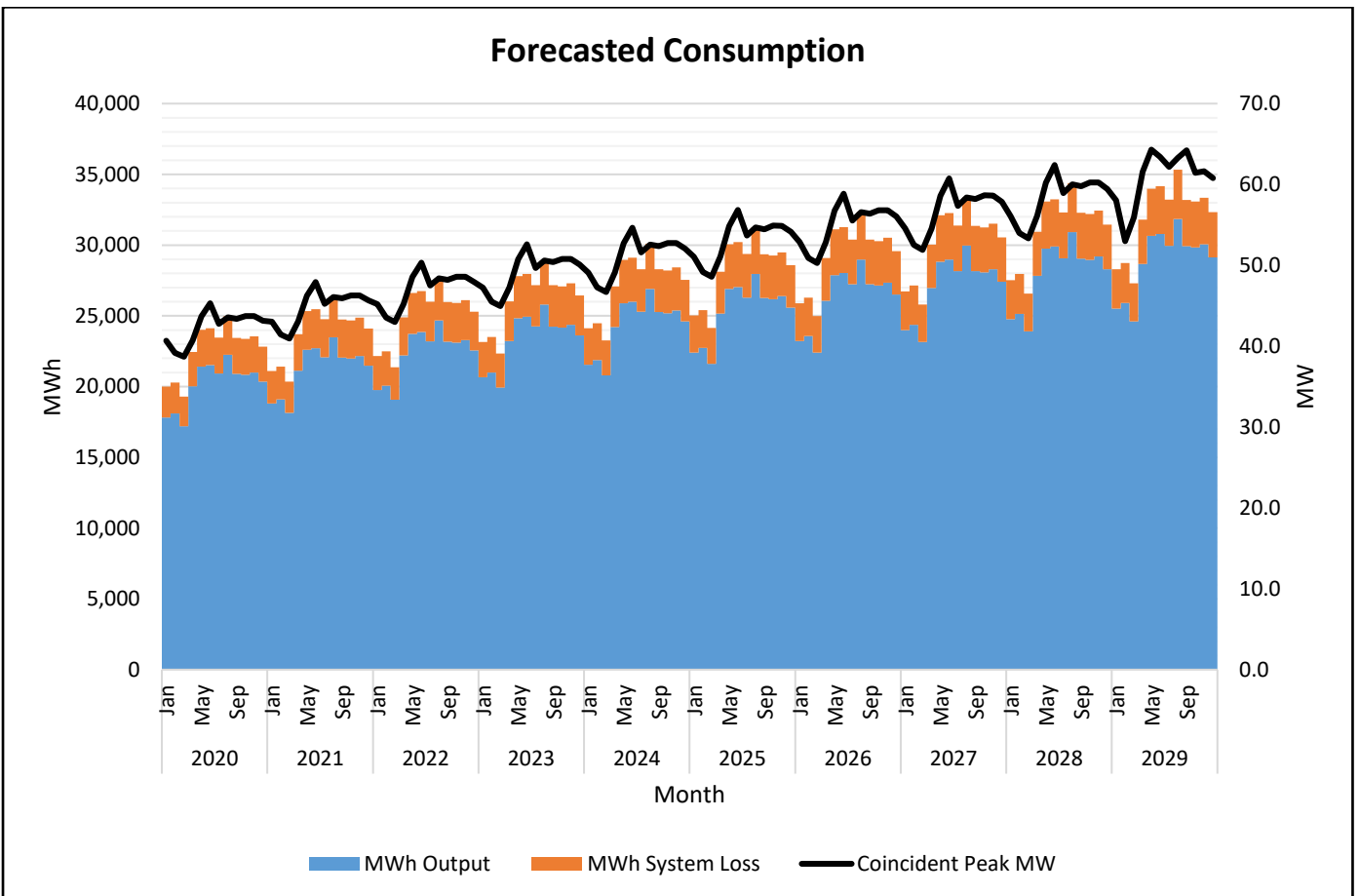
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Oct	24,671	21,993	2,678	0.00%	10.86%
	Nov	24,866	22,166	2,699	0.00%	10.86%
	Dec	24,100	21,484	2,616	0.00%	10.86%
2022	Jan	22,155	19,758	2,398	0.00%	10.82%
	Feb	22,494	20,060	2,434	0.00%	10.82%
	Mar	21,377	19,064	2,313	0.00%	10.82%
	Apr	24,889	22,195	2,693	0.00%	10.82%
	May	26,611	23,731	2,880	0.00%	10.82%
	Jun	26,744	23,850	2,894	0.00%	10.82%
	Jul	26,002	23,188	2,814	0.00%	10.82%
	Aug	27,659	24,666	2,993	0.00%	10.82%
	Sep	25,986	23,174	2,812	0.00%	10.82%
	Oct	25,904	23,101	2,803	0.00%	10.82%
	Nov	26,109	23,283	2,825	0.00%	10.82%
	Dec	25,304	22,566	2,738	0.00%	10.82%
2023	Jan	23,159	20,669	2,490	0.00%	10.75%
	Feb	23,513	20,985	2,528	0.00%	10.75%
	Mar	22,345	19,943	2,402	0.00%	10.75%
	Apr	26,017	23,219	2,797	0.00%	10.75%
	May	27,816	24,826	2,991	0.00%	10.75%
	Jun	27,956	24,951	3,006	0.00%	10.75%
	Jul	27,180	24,258	2,922	0.00%	10.75%
	Aug	28,912	25,804	3,108	0.00%	10.75%
	Sep	27,164	24,243	2,920	0.00%	10.75%
	Oct	27,078	24,166	2,911	0.00%	10.75%
	Nov	27,292	24,358	2,934	0.00%	10.75%
	Dec	26,451	23,607	2,844	0.00%	10.75%
2024	Jan	24,115	21,547	2,568	0.00%	10.65%
	Feb	24,484	21,877	2,608	0.00%	10.65%
	Mar	23,268	20,790	2,478	0.00%	10.65%
	Apr	27,091	24,206	2,885	0.00%	10.65%
	May	28,965	25,881	3,085	0.00%	10.65%
	Jun	29,111	26,011	3,100	0.00%	10.65%
	Jul	28,302	25,288	3,014	0.00%	10.65%
	Aug	30,106	26,900	3,206	0.00%	10.65%
	Sep	28,286	25,273	3,012	0.00%	10.65%
	Oct	28,196	25,193	3,003	0.00%	10.65%
	Nov	28,419	25,392	3,027	0.00%	10.65%
	Dec	27,543	24,610	2,933	0.00%	10.65%
2025	Jan	25,028	22,394	2,634	0.00%	10.52%
	Feb	25,411	22,737	2,674	0.00%	10.52%
	Mar	24,149	21,607	2,541	0.00%	10.52%
	Apr	28,116	25,157	2,959	0.00%	10.52%
	May	30,061	26,898	3,163	0.00%	10.52%
	Jun	30,212	27,033	3,179	0.00%	10.52%
	Jul	29,373	26,282	3,091	0.00%	10.52%
	Aug	31,245	27,957	3,288	0.00%	10.52%

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Sep	29,356	26,267	3,089	0.00%	10.52%
	Oct	29,263	26,183	3,079	0.00%	10.52%
	Nov	29,494	26,390	3,104	0.00%	10.52%
	Dec	28,585	25,577	3,008	0.00%	10.52%
2026	Jan	25,899	23,212	2,687	0.00%	10.38%
	Feb	26,295	23,567	2,728	0.00%	10.38%
	Mar	24,989	22,397	2,593	0.00%	10.38%
	Apr	29,095	26,076	3,019	0.00%	10.38%
	May	31,108	27,880	3,228	0.00%	10.38%
	Jun	31,264	28,020	3,244	0.00%	10.38%
	Jul	30,396	27,242	3,154	0.00%	10.38%
	Aug	32,333	28,978	3,355	0.00%	10.38%
	Sep	30,378	27,226	3,152	0.00%	10.38%
	Oct	30,281	27,140	3,142	0.00%	10.38%
	Nov	30,521	27,354	3,167	0.00%	10.38%
	Dec	29,580	26,511	3,069	0.00%	10.38%
2027	Jan	26,733	24,003	2,730	0.00%	10.21%
	Feb	27,142	24,370	2,772	0.00%	10.21%
	Mar	25,794	23,160	2,634	0.00%	10.21%
	Apr	30,031	26,964	3,067	0.00%	10.21%
	May	32,109	28,830	3,279	0.00%	10.21%
	Jun	32,270	28,975	3,295	0.00%	10.21%
	Jul	31,374	28,170	3,204	0.00%	10.21%
	Aug	33,373	29,965	3,408	0.00%	10.21%
	Sep	31,355	28,153	3,202	0.00%	10.21%
	Oct	31,256	28,064	3,192	0.00%	10.21%
	Nov	31,503	28,286	3,217	0.00%	10.21%
	Dec	30,532	27,414	3,118	0.00%	10.21%
2028	Jan	27,532	24,770	2,763	0.00%	10.03%
	Feb	27,953	25,149	2,805	0.00%	10.03%
	Mar	26,565	23,900	2,666	0.00%	10.03%
	Apr	30,929	27,826	3,103	0.00%	10.03%
	May	33,069	29,751	3,318	0.00%	10.03%
	Jun	33,235	29,901	3,335	0.00%	10.03%
	Jul	32,312	29,070	3,242	0.00%	10.03%
	Aug	34,372	30,923	3,449	0.00%	10.03%
	Sep	32,293	29,053	3,240	0.00%	10.03%
	Oct	32,191	28,961	3,230	0.00%	10.03%
	Nov	32,445	29,190	3,256	0.00%	10.03%
	Dec	31,446	28,290	3,155	0.00%	10.03%
2029	Jan	28,298	25,512	2,786	0.00%	9.85%
	Feb	28,731	25,902	2,829	0.00%	9.85%
	Mar	27,304	24,616	2,688	0.00%	9.85%
	Apr	31,790	28,660	3,130	0.00%	9.85%
	May	33,989	30,642	3,347	0.00%	9.85%
	Jun	34,160	30,796	3,364	0.00%	9.85%
	Jul	33,211	29,941	3,270	0.00%	9.85%

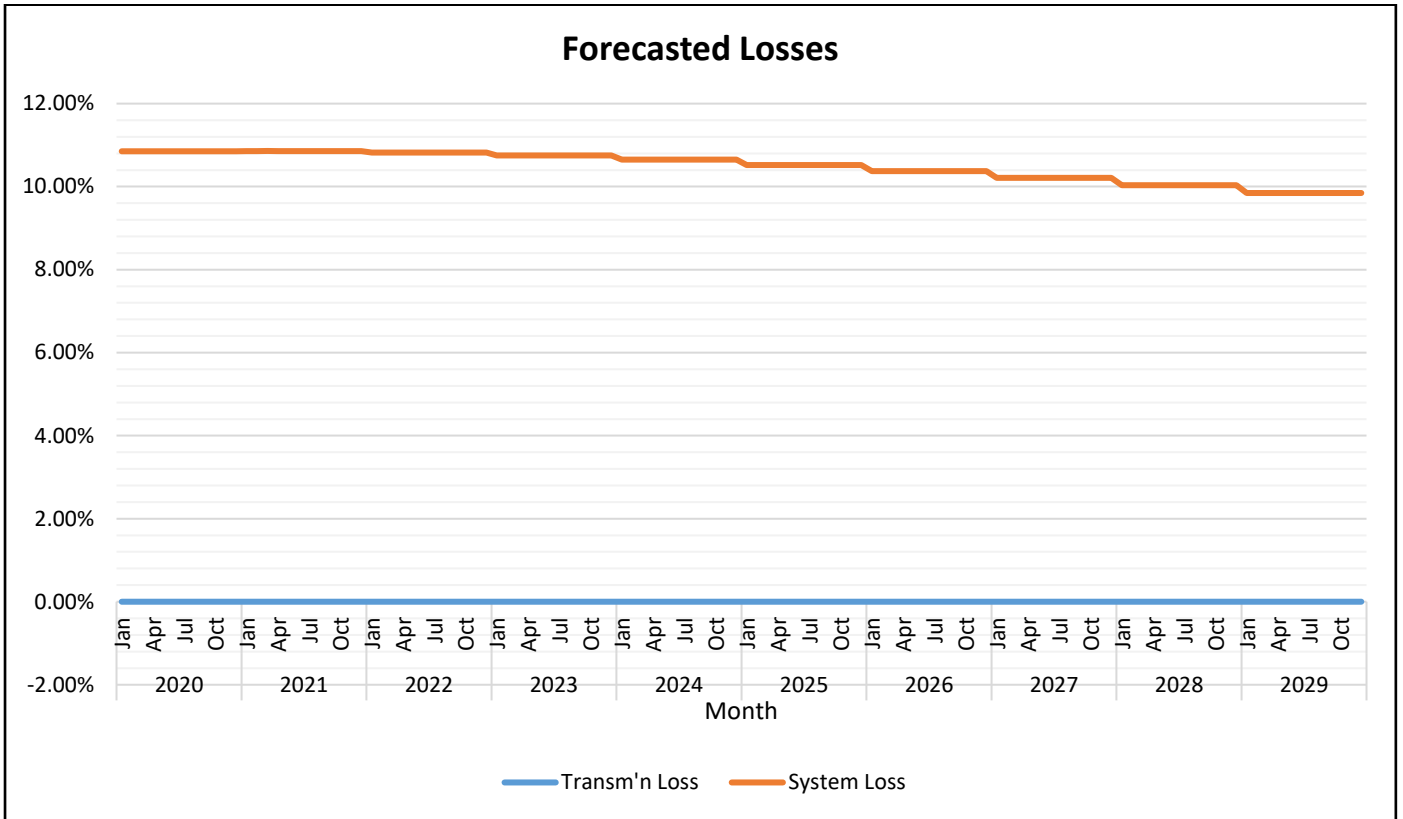
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Aug	35,328	31,849	3,478	0.00%	9.85%
	Sep	33,192	29,924	3,268	0.00%	9.85%
	Oct	33,086	29,829	3,258	0.00%	9.85%
	Nov	33,348	30,064	3,284	0.00%	9.85%
	Dec	32,320	29,138	3,182	0.00%	9.85%

MWh Offtake was forecasted using cubic & logarithmic trend forecast method and an equation of $Y = 20,526,329.73Int^3 - 53,543,271.48Int^2 + 44,040,373.90Int + 152,539,036.26$, R2 statistic is 1.000 with Adjusted R2 is 0.9999 and the Mean Absolute Percentage Error (MAPE) is 0.03%. The assumed load factor is 60%.

System Loss was calculated through a Load Flow Study conducted by the Engineers specialized in Load Flow Analysis using the Distribution System Application Software Package 1.0 of PowerSolv, Inc. Based on the same study, the Distribution System can adequately convey electricity to customers.



MWh Output is expected to grow at a rate of 4.42% annually and targeting system loss of 10.03% in the year 2028, with an average decrease per year of 1.12%. Moreover, NONECO is determined to meet the system loss cap for 2020, which 10.50% as per ERC Resolution No. 20, Series of 2017.



NONECO did not compute the Transmission Loss because the NGCP Metering Points are located in the substations. Site-Specific Loss Adjustment (SSLA) will not be considered as a Transmission loss because IEMOP includes it in the Wholesale Electricity Spot Market (WESM) billing computations. System Loss is expected to range from 10.85% to 9.85%.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2011-058RC	Base	Green Core Geothermal, Inc.	3.00	26,280	12/25/2010	12/25/2025
2010-130RC	Base	KEPCO SPC Power Corporation	10.00	87,600	5/26/2011	5/25/2022
2015-018RC	Base	Palm Concepcion Power Corporation	13.00	103,368	1/26/2017	1/25/2032

The PSA with 3 MW Base contract filed with ERC under Case No. 2011-058 RC was procured through negotiation. It was selected to provide for base requirements due to the expiration of CSEE to National Power Corporation (NPC) last 25 December 2010. Historically, the utilization of the PSA is 8.78%. Outages of the plant led to unserved energy of around 67 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 5.4912 P/kWh in the same period.

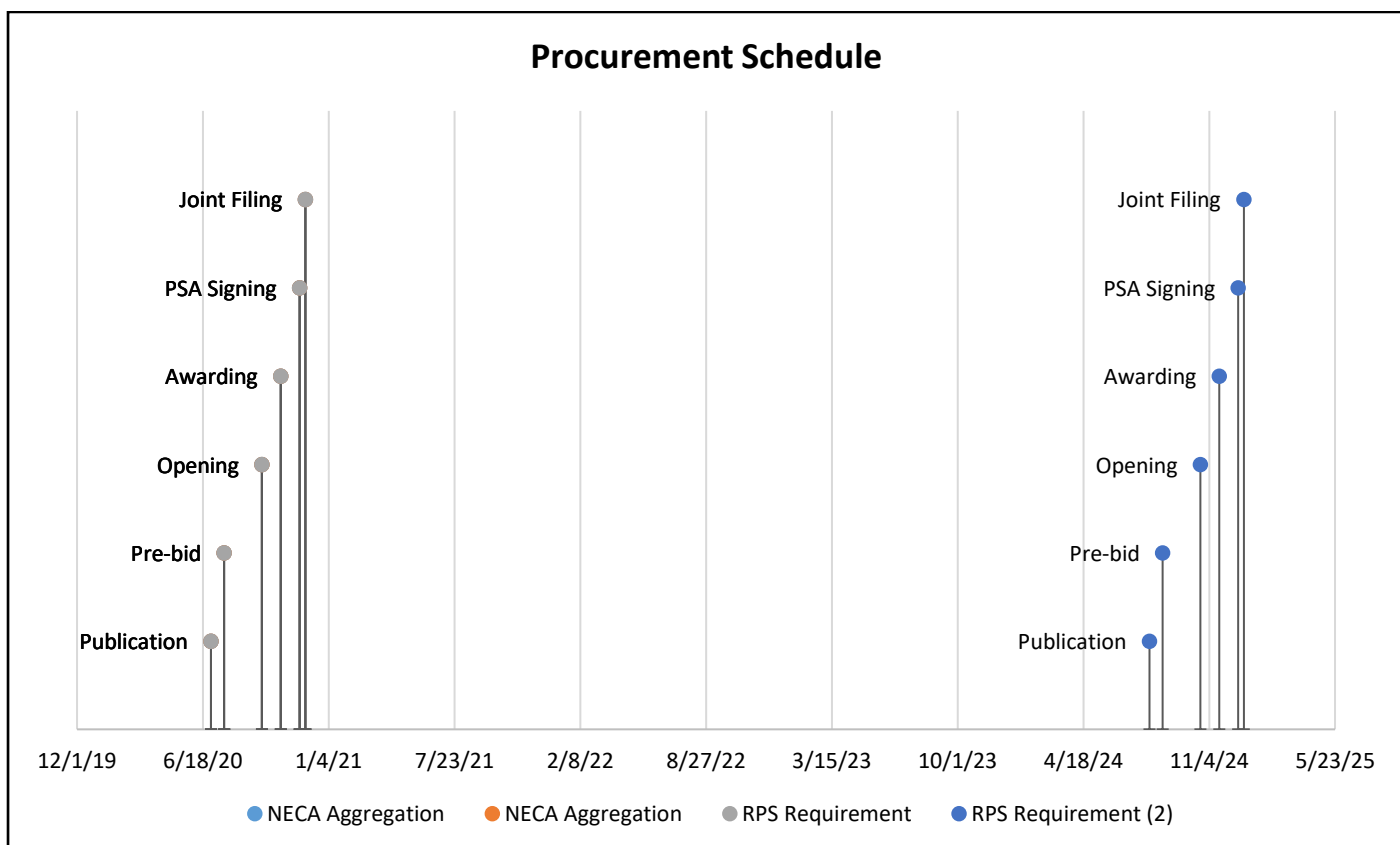
The 10 MW baseload contract with ERC under Case No. 2010-130 RC was procured because of the Joint Sales Agreement of National Power Corporation (NPC) and KECPOS SPC Power Corporation (KSPC) which is KSPC shall supply the baseload contract quantities of the DUs. Historically, the utilization of the PSA is 29.27%. Outages of the plant led to unserved energy of around 10,039 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 6.3960 P/kWh to 7.1532 P/KWh in the same period.

The PSA with 13 MW Base and Intermediate contract with ERC Case No. 2015-018 RC was procured through the Competitive Selection Process. Historically, the utilization of the PSA is 29.91%. Outages of the plant led to unserved energy of around 8.073 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 5.3932 P/kWh to 6.3780 P/KWh in the same period for baseload contract and ranged from 5.6758 P/kWh to 7.8204 P/KWh in the same period for the intermediate contract.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2014-026RC	Peaking	SPC Island Power Corporation	6.00	5,742	10/26/2014	10/25/2020

The PSA with 6 MW Peaking Contract with four (4) hours of operation filed with ERC under Case No. 2014-026 RC was procured through the Competitive Selection Process. It was selected to provide for peaking requirements due to high demand during night time. Historically, the utilization of the PSA is 1.90%. There are no outages recorded of the plant in the past year. The actual billed overall monthly charge under the PSA ranged from 9.1264 P/kWh to 10.3202 P/KWh in the same period.

	NECA Aggregation	NECA Aggregation	RPS Requirement	RPS Requirement (2)
Type	Base	Peaking	Base	Base
Minimum MW	20.00	10.00	2.00	2.00
Minimum MWh/yr	175,200	14,600	14,016	14,016
PSA Start	5/26/2022	5/26/2022	12/26/2021	12/26/2025
PSA End	6/25/2032	6/25/2032	12/25/2046	12/25/2050
Publication	7/1/2020	7/1/2020	7/1/2020	8/1/2024
Pre-bid	7/22/2020	7/22/2020	7/22/2020	8/22/2024
Opening	9/20/2020	9/20/2020	9/20/2020	10/21/2024
Awarding	10/20/2020	10/20/2020	10/20/2020	11/20/2024
PSA Signing	11/19/2020	11/19/2020	11/19/2020	12/20/2024
Joint Filing	11/28/2020	11/28/2020	11/28/2020	12/29/2024

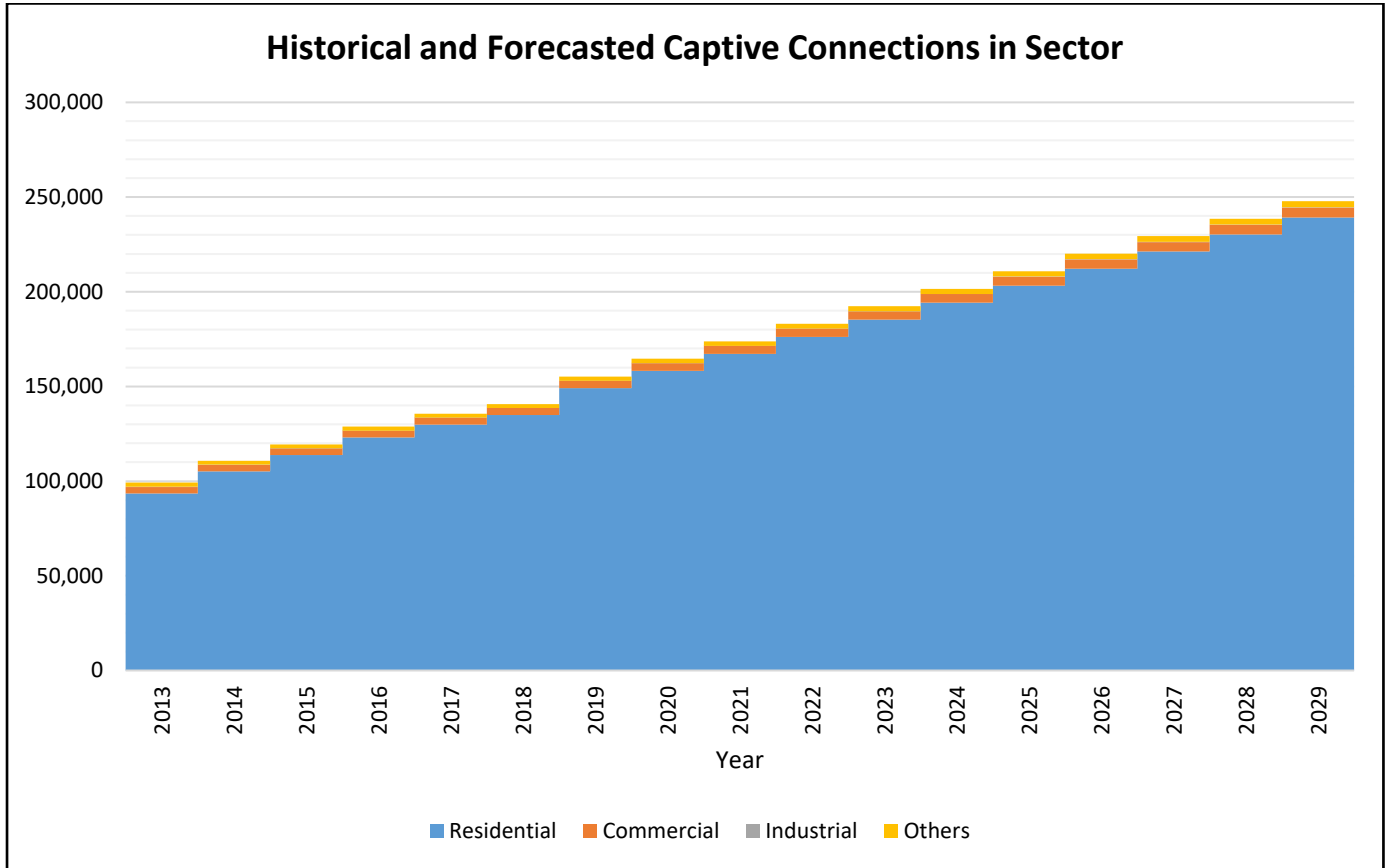


For the procurement of 20 MW Based Load and 10 MW Peaking of supply is planned to be available in June 2022, the first publication or launch of CSP will be on May 2020. Joint filing will be on September 2020, or 150 days later, per DOE’s 2018 CSP Policy.

For the first procurement of 2 MW baseload of supply for our Renewable Portfolio Standard (RPS) requirements, which is planned to be available on January 2021, the first publication or launch of CSP will be on June 2020. Joint filing will be on October 2020, or 150 days later, under DOE’s 2018 CSP Policy.

For the second procurement of 2 MW baseload of supply for our Renewable Portfolio Standard (RPS) requirements, which is planned to be available on January 2025, the first publication or launch of CSP will be on June 2024. Joint filing will be on October 2024, or 150 days later, under DOE’s 2018 CSP Policy.

Captive Customer Connections



The number of Residential connections forecasted to grow at a rate of 4.84% annually. Said customer class is expected to account for 55% of the total consumption.

Also, the Commercial connections will grow at a rate of 3.26% annually with a 20% total consumption share.