

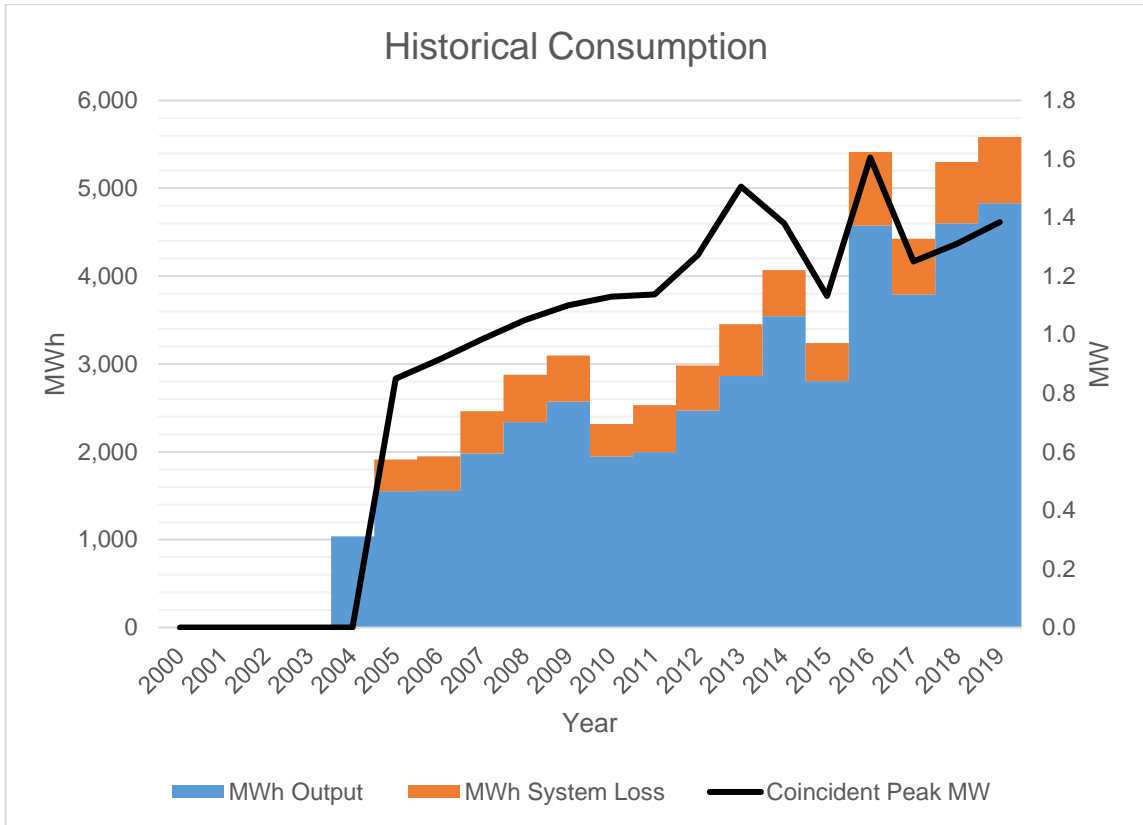
Power Supply Procurement Plan [2020]

[AURELCO - DICADIDI]

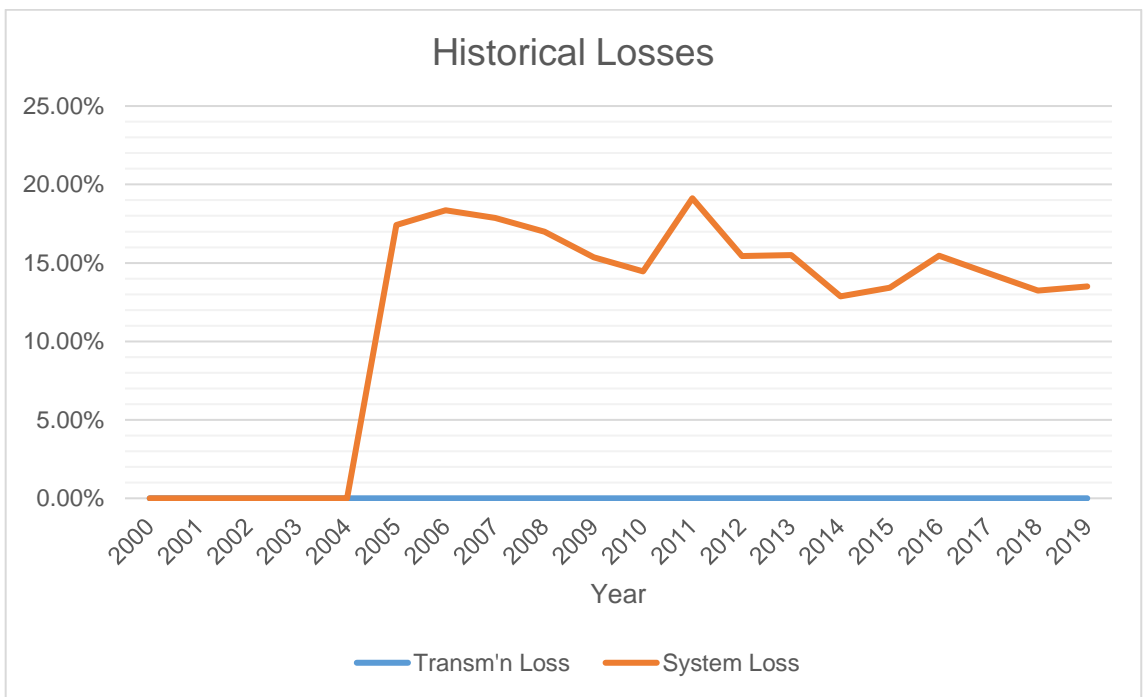
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	System Loss
2005	0.85	2,068	2,068	1,551	360	28%	-7.58%	17.41%
2006	0.92	2,129	2,129	1,556	391	27%	-8.55%	18.36%
2007	0.99	2,700	2,700	1,980	483	31%	-8.78%	17.87%
2008	1.05	3,166	3,166	2,340	538	34%	-9.10%	17.00%
2009	1.10	3,420	3,420	2,570	525	35%	-9.52%	15.35%
2010	1.13	2,557	2,557	1,948	370	26%	-9.32%	14.46%
2011	1.14	2,800	2,800	1,995	535	28%	-9.62%	19.12%
2012	1.27	3,314	3,314	2,470	512	30%	-10.03%	15.44%
2013	1.51	3,811	3,811	2,864	591	29%	-9.36%	15.50%
2014	1.38	3691	3691	3,543	524	34%	0.00%	12.88%
2015	1.13	3,239	3,239	2,804	434	33%	0.00%	13.41%
2016	1.61	5,414	5,414	4,576	838	39%	0.00%	15.47%
2017	1.25	4,424	4,424	3,790	634	40%	0.00%	14.33%
2018	1.31	5,300	5,300	4,599	701	46%	0.00%	13.23%
2019	1.39	5,583	5,583	4,830	754	46%	0.00%	13.50%

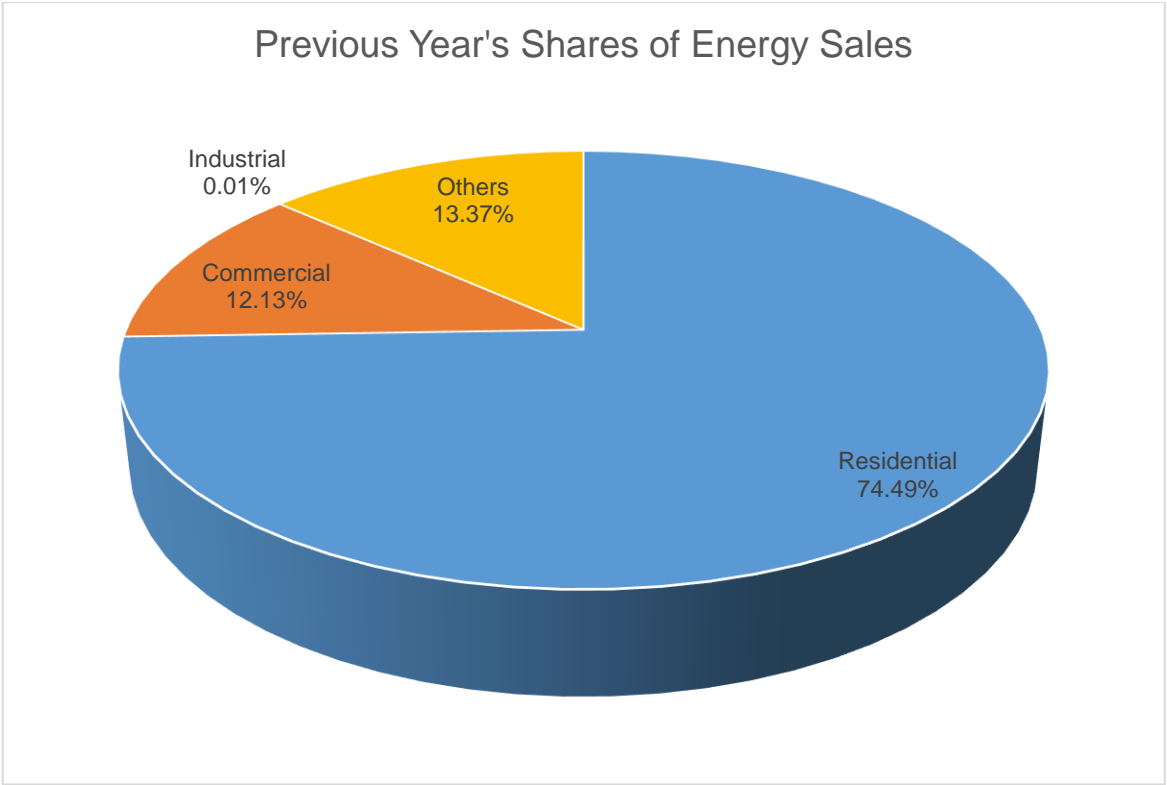
Peak Demand increased gradually from 0.85 MW in 2005 to 1.39 MW in 2019 at a rate of 3.88% due to the sectors load which is mostly residential consumers. MWh Offtake increased from 2,068 MWh in 2005 to 5,583 MWh in 2019 at a rate of 6.30%. Within the same period, Load Factor increased from 28% to 46%.



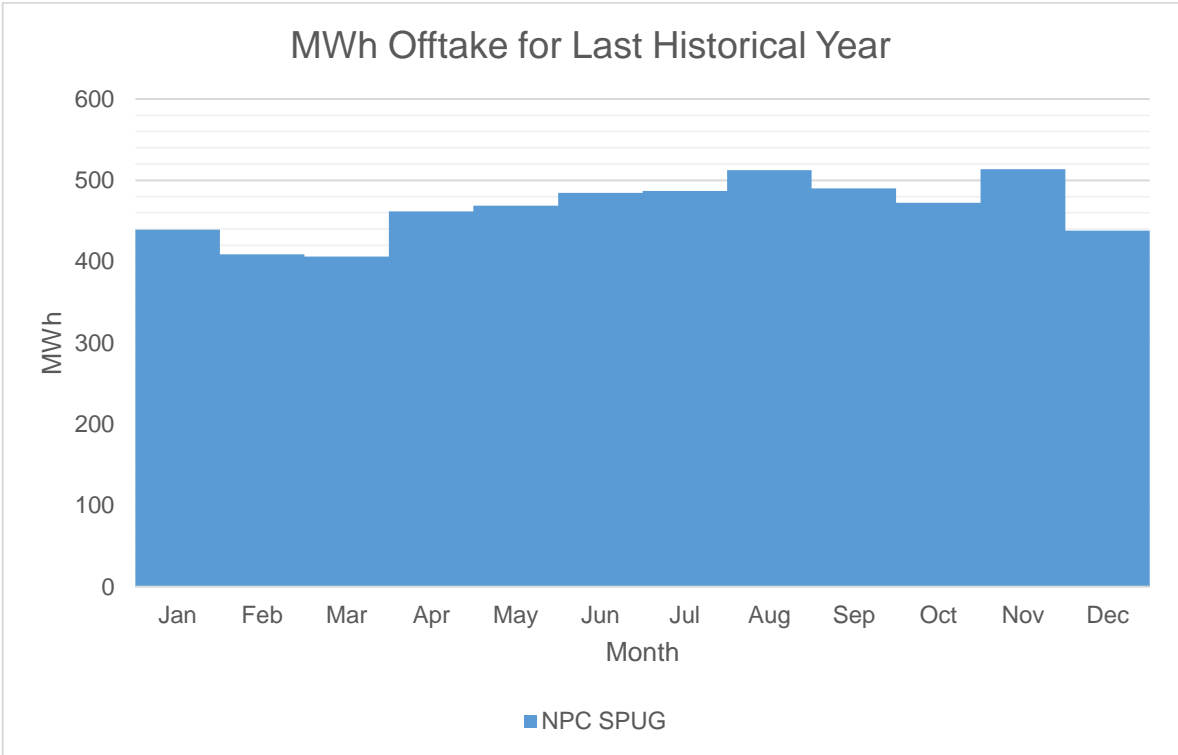
MWh Output increased from year 2004 to year 2019 at a rate of 3.88%, while MWh System Loss increased at a rate of 5.23% within the same period.



System Loss ranged from 12.88% to 19.12%. System Loss peaked at 19.12% on year 2011.



Residential customers account for the bulk of energy sales at 74.49%. Industrial customers accounted for only 0.01% of energy sales.



For 2019, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA.

Forecasted Consumption Data

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2020	Jan	1.20	1.20	0.00	0.000	100%	100%	0.00
	Feb	1.09	1.09	0.00	0.000	100%	100%	0.00
	Mar	1.30	1.30	0.00	0.000	100%	100%	0.00
	Apr	1.45	1.45	0.00	0.000	100%	100%	0.00
	May	1.55	1.55	0.00	0.000	100%	100%	0.00
	Jun	1.52	1.52	0.00	0.000	100%	100%	0.00
	Jul	1.38	1.38	0.00	0.000	100%	100%	0.00
	Aug	1.45	1.45	0.00	0.000	100%	100%	0.00
	Sep	1.36	1.36	0.00	0.000	100%	100%	0.00
	Oct	1.33	1.33	0.00	0.000	100%	100%	0.00
	Nov	1.39	1.39	0.00	0.000	100%	100%	0.00
	Dec	1.31	1.31	0.00	0.000	100%	100%	0.00
2021	Jan	1.27	1.27	0.00	0.000	100%	100%	0.00
	Feb	1.15	1.15	0.00	0.000	100%	100%	0.00
	Mar	1.37	1.37	0.00	0.000	100%	100%	0.00
	Apr	1.53	1.53	0.00	0.000	100%	100%	0.00
	May	1.64	1.64	0.00	0.000	100%	100%	0.00
	Jun	1.60	1.60	0.00	0.000	100%	100%	0.00
	Jul	1.46	1.46	0.00	0.000	100%	100%	0.00
	Aug	1.53	1.53	0.00	0.000	100%	100%	0.00
	Sep	1.44	1.44	0.00	0.000	100%	100%	0.00
	Oct	1.40	1.40	0.00	0.000	100%	100%	0.00
	Nov	1.47	1.47	0.00	0.000	100%	100%	0.00
	Dec	1.38	1.38	0.00	0.000	100%	100%	0.00

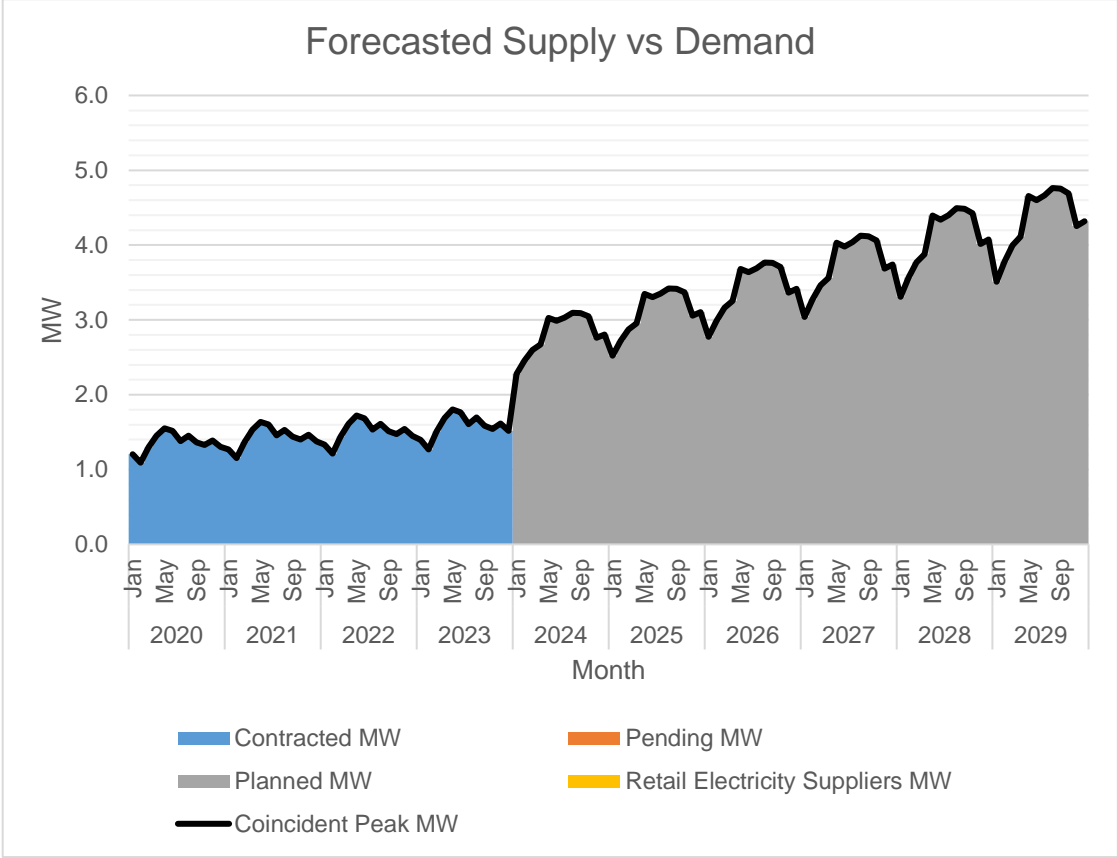
2022	Jan	1.33	1.33	0.00	0.000	100%	100%	0.00
	Feb	1.21	1.21	0.00	0.000	100%	100%	0.00
	Mar	1.44	1.44	0.00	0.000	100%	100%	0.00
	Apr	1.61	1.61	0.00	0.000	100%	100%	0.00
	May	1.72	1.72	0.00	0.000	100%	100%	0.00
	Jun	1.68	1.68	0.00	0.000	100%	100%	0.00
	Jul	1.53	1.53	0.00	0.000	100%	100%	0.00
	Aug	1.61	1.61	0.00	0.000	100%	100%	0.00
	Sep	1.51	1.51	0.00	0.000	100%	100%	0.00
	Oct	1.47	1.47	0.00	0.000	100%	100%	0.00
	Nov	1.54	1.54	0.00	0.000	100%	100%	0.00
	Dec	1.45	1.45	0.00	0.000	100%	100%	0.00
2023	Jan	1.40	1.40	0.00	0.000	100%	100%	0.00
	Feb	1.27	1.27	0.00	0.000	100%	100%	0.00
	Mar	1.51	1.51	0.00	0.000	100%	100%	0.00
	Apr	1.69	1.69	0.00	0.000	100%	100%	0.00
	May	1.80	1.80	0.00	0.000	100%	100%	0.00
	Jun	1.76	1.76	0.00	0.000	100%	100%	0.00
	Jul	1.61	1.61	0.00	0.000	100%	100%	0.00
	Aug	1.70	1.70	0.00	0.000	100%	100%	0.00
	Sep	1.59	1.59	0.00	0.000	100%	100%	0.00
	Oct	1.54	1.54	0.00	0.000	100%	100%	0.00
	Nov	1.61	1.61	0.00	0.000	100%	100%	0.00
	Dec	1.52	1.52	0.00	0.000	100%	100%	0.00
2024	Jan	2.28	0.00	0.00	2.279	0%	100%	0.00
	Feb	2.46	0.00	0.00	2.456	0%	100%	0.00
	Mar	2.60	0.00	0.00	2.598	0%	100%	0.00
	Apr	2.67	0.00	0.00	2.671	0%	100%	0.00
	May	3.03	0.00	0.00	3.026	0%	100%	0.00
	Jun	2.99	0.00	0.00	2.988	0%	100%	0.00

	Jul	3.03	0.00	0.00	3.030	0%	100%	0.00
	Aug	3.09	0.00	0.00	3.094	0%	100%	0.00
	Sep	3.09	0.00	0.00	3.089	0%	100%	0.00
	Oct	3.05	0.00	0.00	3.047	0%	100%	0.00
	Nov	2.76	0.00	0.00	2.763	0%	100%	0.00
	Dec	2.81	0.00	0.00	2.806	0%	100%	0.00
2025	Jan	2.52	0.00	0.00	2.521	0%	100%	0.00
	Feb	2.72	0.00	0.00	2.717	0%	100%	0.00
	Mar	2.87	0.00	0.00	2.873	0%	100%	0.00
	Apr	2.95	0.00	0.00	2.954	0%	100%	0.00
	May	3.35	0.00	0.00	3.346	0%	100%	0.00
	Jun	3.30	0.00	0.00	3.304	0%	100%	0.00
	Jul	3.35	0.00	0.00	3.351	0%	100%	0.00
	Aug	3.42	0.00	0.00	3.422	0%	100%	0.00
	Sep	3.42	0.00	0.00	3.417	0%	100%	0.00
	Oct	3.37	0.00	0.00	3.370	0%	100%	0.00
	Nov	3.06	0.00	0.00	3.056	0%	100%	0.00
	Dec	3.10	0.00	0.00	3.103	0%	100%	0.00
2026	Jan	2.77	0.00	0.00	2.774	0%	100%	0.00
	Feb	2.99	0.00	0.00	2.990	0%	100%	0.00
	Mar	3.16	0.00	0.00	3.162	0%	100%	0.00
	Apr	3.25	0.00	0.00	3.251	0%	100%	0.00
	May	3.68	0.00	0.00	3.683	0%	100%	0.00
	Jun	3.64	0.00	0.00	3.637	0%	100%	0.00
	Jul	3.69	0.00	0.00	3.688	0%	100%	0.00
	Aug	3.77	0.00	0.00	3.766	0%	100%	0.00
	Sep	3.76	0.00	0.00	3.760	0%	100%	0.00
	Oct	3.71	0.00	0.00	3.709	0%	100%	0.00
	Nov	3.36	0.00	0.00	3.364	0%	100%	0.00
	Dec	3.42	0.00	0.00	3.415	0%	100%	0.00

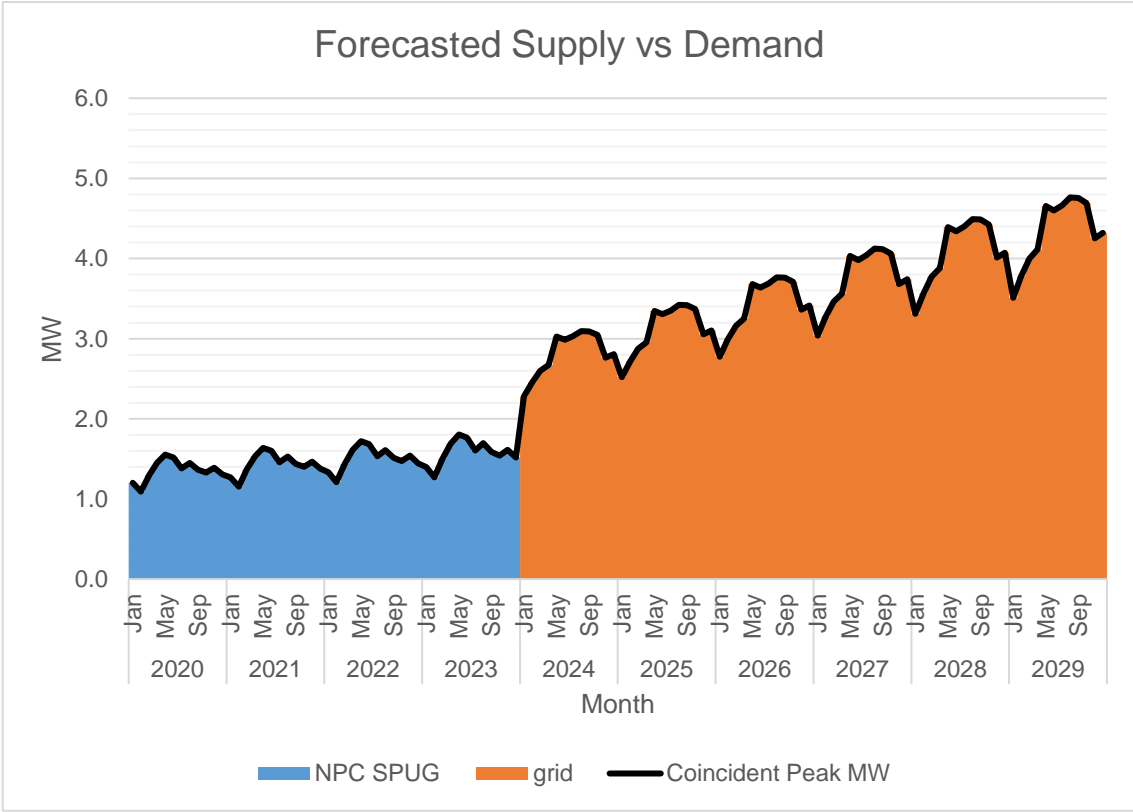
2027	Jan	3.04	0.00	0.00	3.038	0%	100%	0.00
	Feb	3.27	0.00	0.00	3.274	0%	100%	0.00
	Mar	3.46	0.00	0.00	3.463	0%	100%	0.00
	Apr	3.56	0.00	0.00	3.560	0%	100%	0.00
	May	4.03	0.00	0.00	4.033	0%	100%	0.00
	Jun	3.98	0.00	0.00	3.982	0%	100%	0.00
	Jul	4.04	0.00	0.00	4.039	0%	100%	0.00
	Aug	4.12	0.00	0.00	4.124	0%	100%	0.00
	Sep	4.12	0.00	0.00	4.118	0%	100%	0.00
	Oct	4.06	0.00	0.00	4.061	0%	100%	0.00
	Nov	3.68	0.00	0.00	3.683	0%	100%	0.00
	Dec	3.74	0.00	0.00	3.740	0%	100%	0.00
2028	Jan	3.31	0.00	0.00	3.310	0%	100%	0.00
	Feb	3.57	0.00	0.00	3.567	0%	100%	0.00
	Mar	3.77	0.00	0.00	3.773	0%	100%	0.00
	Apr	3.88	0.00	0.00	3.879	0%	100%	0.00
	May	4.39	0.00	0.00	4.394	0%	100%	0.00
	Jun	4.34	0.00	0.00	4.339	0%	100%	0.00
	Jul	4.40	0.00	0.00	4.400	0%	100%	0.00
	Aug	4.49	0.00	0.00	4.493	0%	100%	0.00
	Sep	4.49	0.00	0.00	4.486	0%	100%	0.00
	Oct	4.42	0.00	0.00	4.424	0%	100%	0.00
	Nov	4.01	0.00	0.00	4.013	0%	100%	0.00
	Dec	4.07	0.00	0.00	4.075	0%	100%	0.00
2029	Jan	3.51	0.00	0.00	3.508	0%	100%	0.00
	Feb	3.78	0.00	0.00	3.781	0%	100%	0.00
	Mar	4.00	0.00	0.00	3.999	0%	100%	0.00
	Apr	4.11	0.00	0.00	4.112	0%	100%	0.00
	May	4.66	0.00	0.00	4.657	0%	100%	0.00
	Jun	4.60	0.00	0.00	4.599	0%	100%	0.00

	Jul	4.66	0.00	0.00	4.664	0%	100%	0.00
	Aug	4.76	0.00	0.00	4.763	0%	100%	0.00
	Sep	4.76	0.00	0.00	4.755	0%	100%	0.00
	Oct	4.69	0.00	0.00	4.690	0%	100%	0.00
	Nov	4.25	0.00	0.00	4.254	0%	100%	0.00
	Dec	4.32	0.00	0.00	4.319	0%	100%	0.00

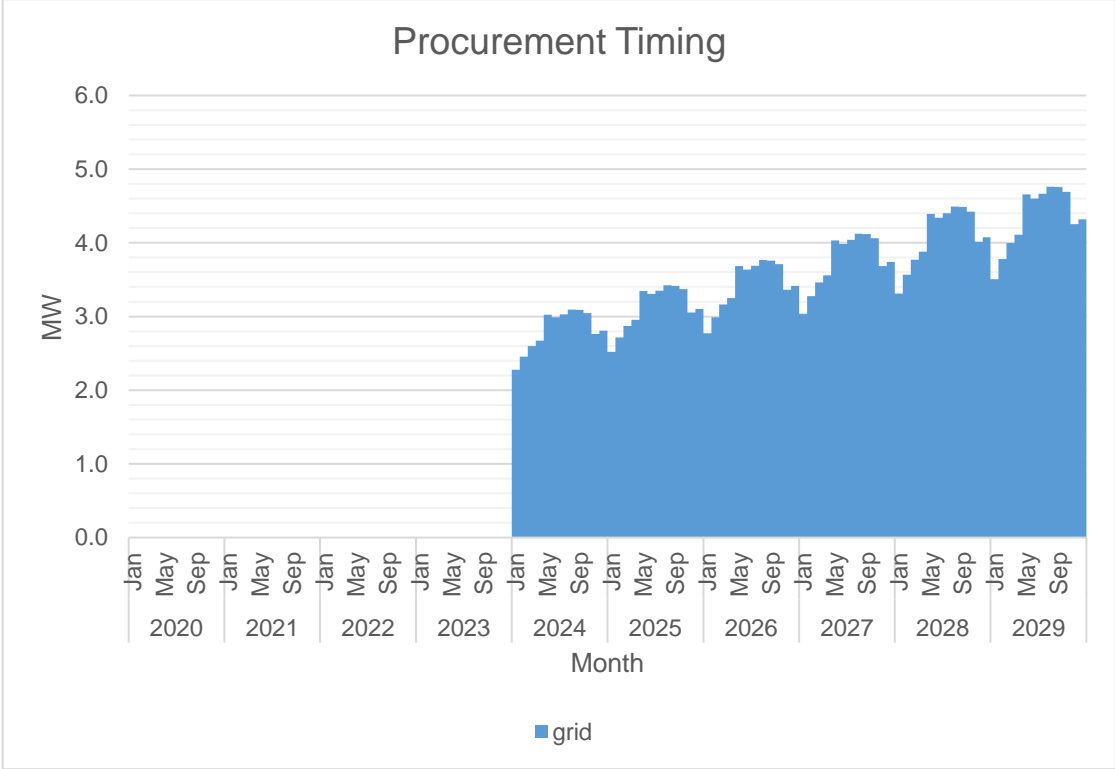
The Peak Demand was forecasted using Quadratic and Logarithmic with Trending Forecasting Model and was assumed to occur on the month of May and July due to weather condition. Monthly Peak Demand is at its lowest on the month of January due to cold weather. In general, Peak Demand is expected to increase at a rate of 5.49% annually.



The available supply is generally the same level with the Peak Demand. This is because the actual consumption of the area is being provided by the supplier.

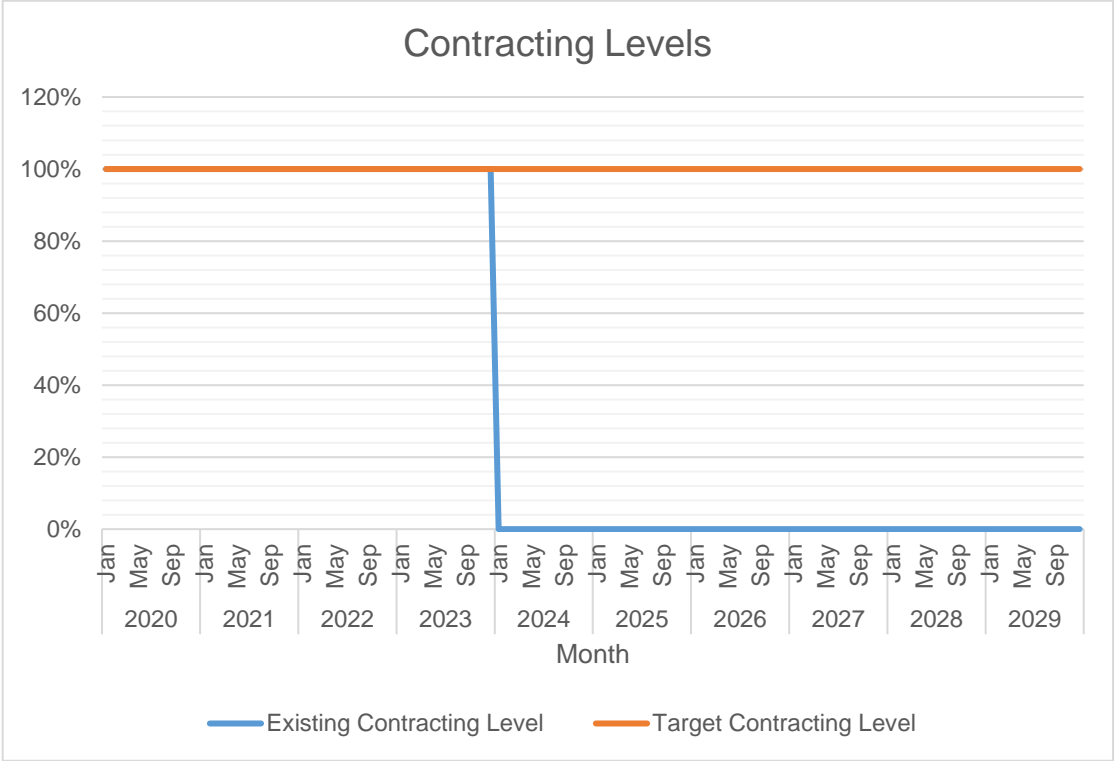


There is only one supplier, the NPC-SPUG. The area is planned to be connected to the grid by year 2024.



The first wave of supply procurement will be for 3 MW planned to be available by the month of January 2024 from the grid.

Supply Label	Type	Minimum MW	Minimum MWh/yr	PSA Start	PSA End	Publication
grid	Base	2.60	471	1/1/2024	12/1/3033	1/1/2023



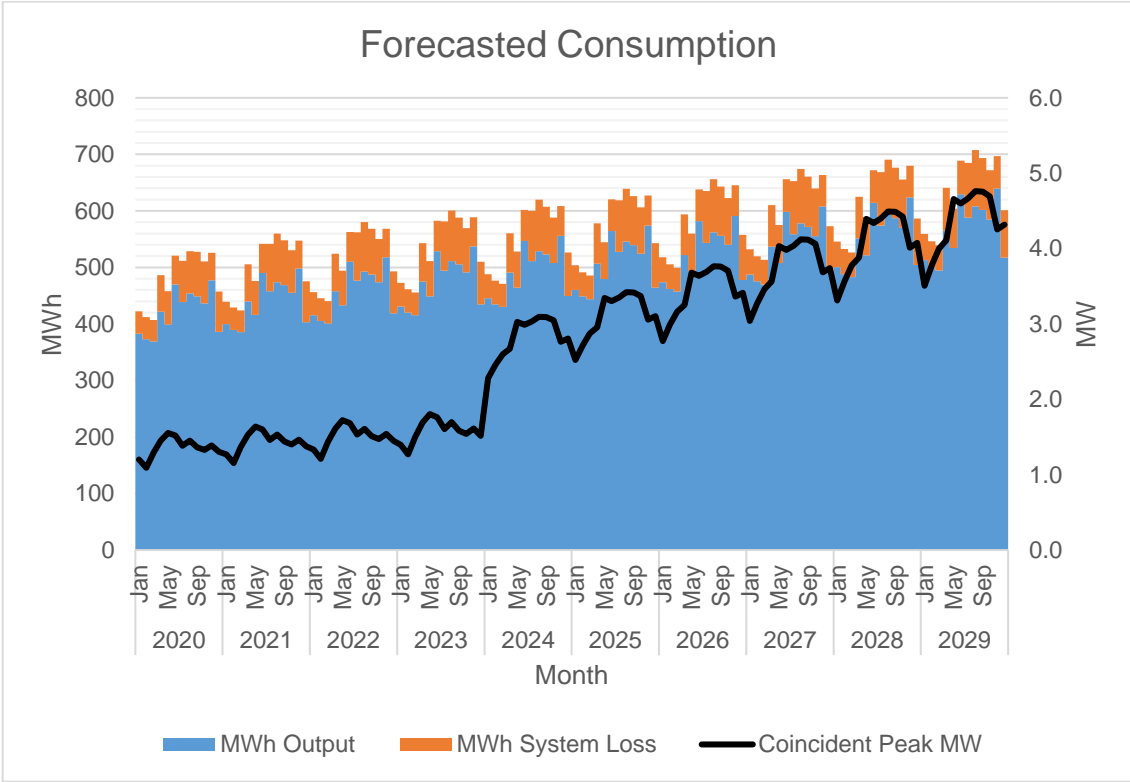
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2020	Jan	422	383	39	0.00%	9.33%
	Feb	412	373	39	0.00%	9.44%
	Mar	407	369	38	0.00%	9.34%
	Apr	486	422	64	0.00%	13.24%
	May	458	399	59	0.00%	12.90%
	Jun	521	470	51	0.00%	9.75%
	Jul	511	439	73	0.00%	14.18%
	Aug	528	454	75	0.00%	14.11%
	Sep	527	449	78	0.00%	14.84%
	Oct	510	436	74	0.00%	14.53%
	Nov	526	477	48	0.00%	9.22%
	Dec	458	386	72	0.00%	15.64%
2021	Jan	439	399	40	0.00%	9.11%
	Feb	429	390	40	0.00%	9.22%
	Mar	424	385	39	0.00%	9.11%
	Apr	505	440	65	0.00%	12.93%
	May	476	416	60	0.00%	12.60%
	Jun	542	490	51	0.00%	9.51%
	Jul	542	458	84	0.00%	15.46%
	Aug	560	474	86	0.00%	15.36%
	Sep	548	469	79	0.00%	14.50%
	Oct	531	455	75	0.00%	14.19%
	Nov	548	498	49	0.00%	9.00%
	Dec	475	403	73	0.00%	15.28%
2022	Jan	456	415	41	0.00%	8.95%
	Feb	446	405	40	0.00%	9.06%
	Mar	440	401	39	0.00%	8.95%
	Apr	524	458	67	0.00%	12.71%
	May	494	433	61	0.00%	12.39%
	Jun	562	510	53	0.00%	9.34%
	Jul	562	476	85	0.00%	15.21%
	Aug	580	493	88	0.00%	15.11%
	Sep	568	487	81	0.00%	14.26%
	Oct	550	474	77	0.00%	13.96%
	Nov	569	518	50	0.00%	8.84%
	Dec	493	419	74	0.00%	15.03%
2023	Jan	473	431	42	0.00%	8.82%
	Feb	461	420	41	0.00%	8.92%
	Mar	456	416	40	0.00%	8.82%
	Apr	543	475	68	0.00%	12.53%
	May	511	449	62	0.00%	12.21%
	Jun	582	529	54	0.00%	9.20%

	Jul	581	494	87	0.00%	15.00%
	Aug	600	511	89	0.00%	14.90%
	Sep	588	506	83	0.00%	14.05%
	Oct	569	491	78	0.00%	13.76%
	Nov	589	537	51	0.00%	8.71%
	Dec	510	434	76	0.00%	14.82%
2024	Jan	488	446	42	0.00%	8.70%
	Feb	477	435	42	0.00%	8.81%
	Mar	471	430	41	0.00%	8.70%
	Apr	560	491	69	0.00%	12.38%
	May	528	464	64	0.00%	12.06%
	Jun	602	547	55	0.00%	9.08%
	Jul	600	511	89	0.00%	14.82%
	Aug	620	529	91	0.00%	14.72%
	Sep	607	523	84	0.00%	13.89%
	Oct	588	508	80	0.00%	13.59%
	Nov	608	556	52	0.00%	8.60%
	Dec	527	449	77	0.00%	14.64%
2025	Jan	504	460	44	0.00%	8.64%
	Feb	492	449	43	0.00%	8.74%
	Mar	486	444	42	0.00%	8.64%
	Apr	578	507	71	0.00%	12.29%
	May	545	479	65	0.00%	11.97%
	Jun	621	565	56	0.00%	9.03%
	Jul	619	528	91	0.00%	14.72%
	Aug	639	546	93	0.00%	14.62%
	Sep	626	540	86	0.00%	13.80%
	Oct	606	524	82	0.00%	13.50%
	Nov	627	574	54	0.00%	8.53%
	Dec	543	464	79	0.00%	14.55%
2026	Jan	518	474	44	0.00%	8.48%
	Feb	506	462	43	0.00%	8.58%
	Mar	499	457	42	0.00%	8.47%
	Apr	594	522	72	0.00%	12.05%
	May	560	494	66	0.00%	11.76%
	Jun	638	582	56	0.00%	8.82%
	Jul	635	544	92	0.00%	14.44%
	Aug	656	562	94	0.00%	14.36%
	Sep	643	556	87	0.00%	13.52%
	Oct	623	540	82	0.00%	13.23%
	Nov	645	591	54	0.00%	8.38%
	Dec	557	478	79	0.00%	14.26%

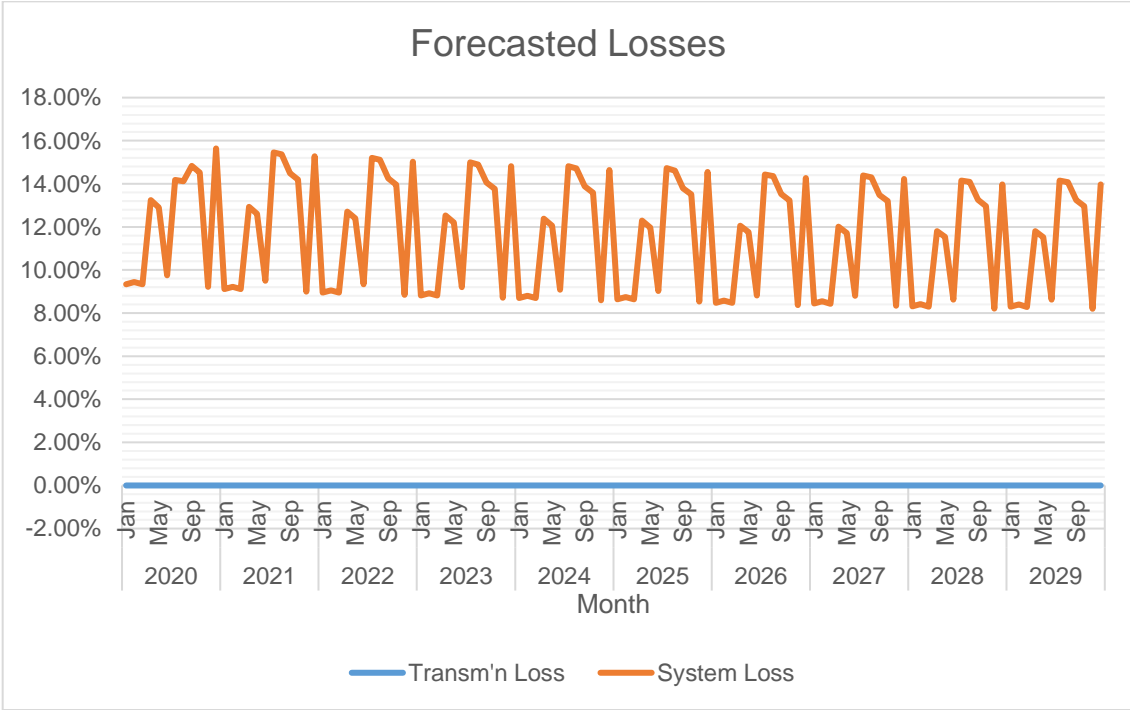
2027	Jan	532	487	45	0.00%	8.44%
	Feb	520	475	44	0.00%	8.54%
	Mar	513	470	43	0.00%	8.44%
	Apr	610	537	73	0.00%	12.01%
	May	575	508	67	0.00%	11.71%
	Jun	656	598	58	0.00%	8.80%
	Jul	653	559	94	0.00%	14.39%
	Aug	674	578	96	0.00%	14.30%
	Sep	661	572	89	0.00%	13.48%
	Oct	640	555	84	0.00%	13.19%
	Nov	663	608	55	0.00%	8.34%
	Dec	573	491	81	0.00%	14.22%
2028	Jan	546	500	45	0.00%	8.31%
	Feb	533	488	45	0.00%	8.41%
	Mar	526	483	44	0.00%	8.30%
	Apr	625	551	74	0.00%	11.81%
	May	589	521	68	0.00%	11.54%
	Jun	672	614	58	0.00%	8.62%
	Jul	668	574	95	0.00%	14.15%
	Aug	691	593	97	0.00%	14.09%
	Sep	677	587	90	0.00%	13.25%
	Oct	655	570	85	0.00%	12.97%
	Nov	680	624	56	0.00%	8.21%
	Dec	586	505	82	0.00%	13.97%
2029	Jan	559	513	46	0.00%	8.30%
	Feb	546	500	46	0.00%	8.40%
	Mar	540	495	45	0.00%	8.29%
	Apr	641	565	76	0.00%	11.80%
	May	604	534	70	0.00%	11.52%
	Jun	689	630	59	0.00%	8.62%
	Jul	685	588	97	0.00%	14.14%
	Aug	708	608	100	0.00%	14.07%
	Sep	694	602	92	0.00%	13.24%
	Oct	672	585	87	0.00%	12.96%
	Nov	697	640	57	0.00%	8.20%
	Dec	601	517	84	0.00%	13.97%

MWh Offtake was forecasted using Quadratic and Logarithmic with Trending Forecasting Model. The assumed load factor is 46%.

System Loss was calculated through a Load Flow Study using DSAS software. Based on the same study, the Distribution System can adequately distribute electricity to customers.



MWh Output was expected to increase at a rate of 4.17% annually.



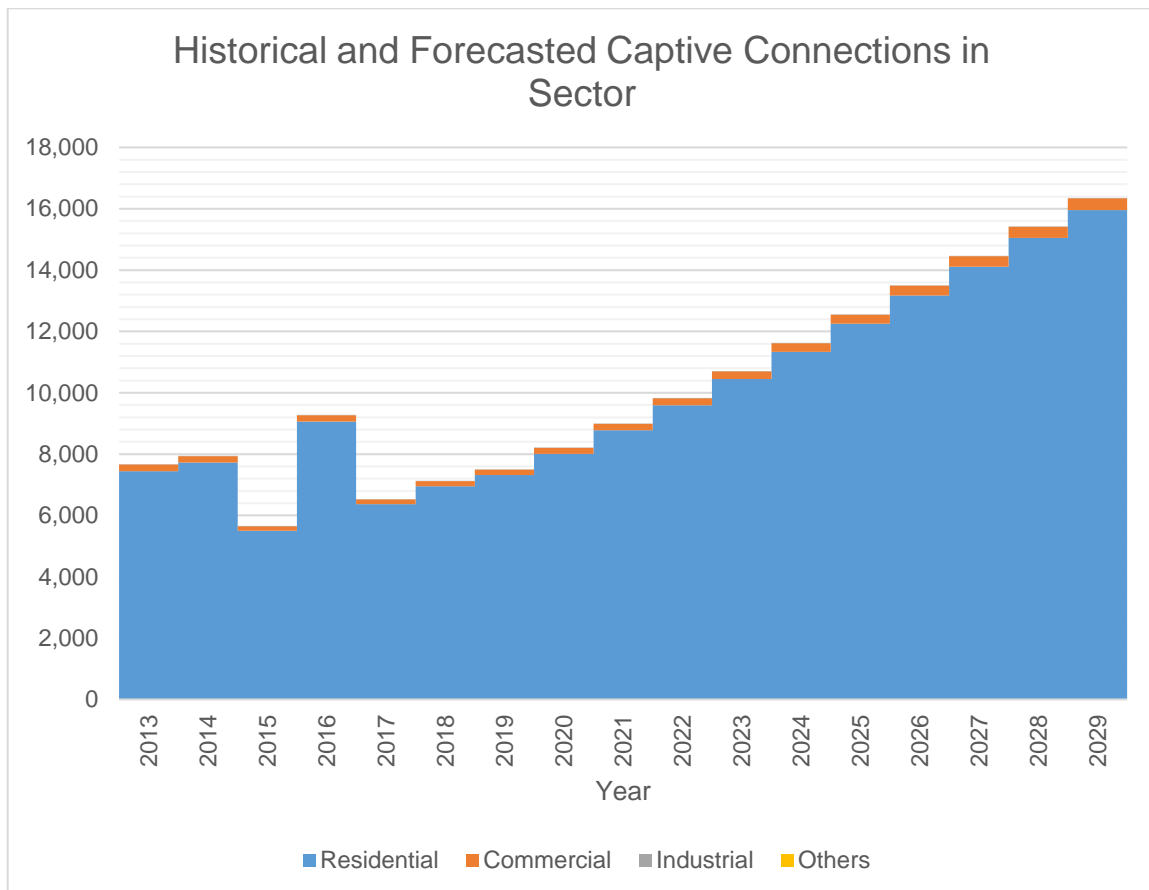
System Loss is expected to decrease from 15.64% to 13.97%.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
NPC SPUG	Base	National Power Corporation	1.09	407	1/1/2019	12/25/2023

The PSA with NPC SPUG was procured through bilateral contract. It was selected to provide for base/intermediate/peaking requirements of the area. The actual billed overall monthly charge under the PSA ranged from 5.5573 P/kWh to 5.5593 P/KWh in the same period.

Captive Customer Connections



The number of residential connections is expected to increase at a rate of 9.43 % annually. Said customer class is expected to account for 74.49 % of the total consumption.