

Power Supply Procurement Plan 2021

Pangasinan I Electric Cooperative
(PANELCO I)



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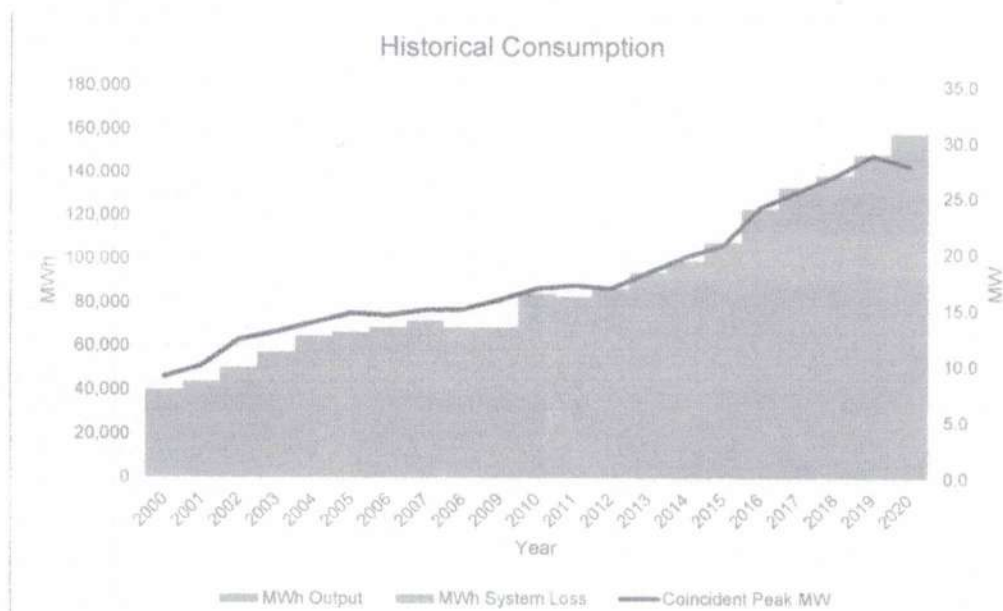
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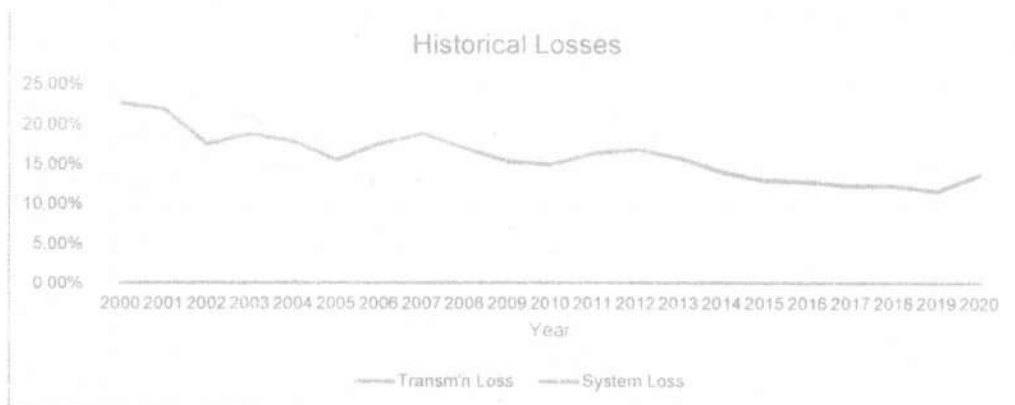
Historical Consumption Data

	Coincident Peak MW	MWh Otfake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	9.00	40,134	0	40,134	31,015	9,118	51%	0.00%	0.00%	22.72%
2001	9.95	43,719	0	43,719	34,108	9,612	50%	0.00%	0.00%	21.98%
2002	12.26	50,247	0	50,247	41,398	8,848	47%	0.00%	0.00%	17.61%
2003	13.00	57,328	0	57,328	48,497	10,831	50%	0.00%	0.00%	18.89%
2004	13.86	64,595	0	64,585	52,977	11,617	53%	0.00%	0.00%	17.99%
2005	14.65	66,418	0	66,418	56,047	10,371	52%	0.00%	0.00%	15.62%
2006	14.49	68,809	0	68,809	56,698	12,111	54%	0.00%	0.00%	17.60%
2007	14.95	71,819	0	71,819	58,208	13,610	55%	0.00%	0.00%	18.95%
2008	15.03	68,867	0	68,867	57,147	11,719	52%	0.00%	0.00%	17.02%
2009	15.91	69,077	0	69,077	58,390	10,687	50%	0.00%	0.00%	15.47%
2010	16.93	84,281	0	84,281	71,633	12,647	57%	0.00%	0.00%	15.01%
2011	17.19	83,115	0	83,115	69,503	13,612	55%	0.00%	0.00%	16.38%
2012	16.93	86,762	0	86,762	72,125	14,637	59%	0.00%	0.00%	16.87%
2013	18.36	94,217	0	94,217	79,278	14,939	59%	0.00%	0.00%	15.86%
2014	19.75	99,538	0	99,538	85,556	13,982	58%	0.00%	0.00%	14.05%
2015	20.79	108,023	0	108,023	93,992	14,031	59%	0.00%	0.00%	12.99%
2016	24.14	123,491	0	123,491	107,667	15,824	58%	0.00%	0.00%	12.81%
2017	25.57	133,196	0	133,196	116,796	16,400	59%	0.00%	0.00%	12.31%
2018	27.02	138,853	0	138,853	121,778	17,075	59%	0.00%	0.00%	12.30%
2019	28.88	149,003	0	149,003	131,662	17,342	59%	0.00%	0.00%	11.64%
2020	27.91	158,732	0	158,732	137,021	21,711	65%	0.00%	0.00%	13.68%

Peak Demand decreased from 28.88 MW in 2019 to 27.91 MW in 2020 at a rate of 3.36% due to the impact of the pandemic and implementation of community quarantine commencing on March 2020 which greatly affected the operations of commercial establishments and businesses on tourist destinations. MWh Otfake increased from 149,003 MWh in 2019 to 158,732 MWh in 2020 at a rate of 6.53% due to additional consumer loads in line with the implementation of work from home arrangements and virtual classes, PANELCO I having a majority of residential consumers. Within the twenty-year period, Load Factor ranged from 47% to 65%. There was an abrupt change in consumption on 2016 from 108,023 MWh to 123,491 MWh due to the implementation of electrification program at various barangays and sitios and the booming of tourism industry within the coverage area.

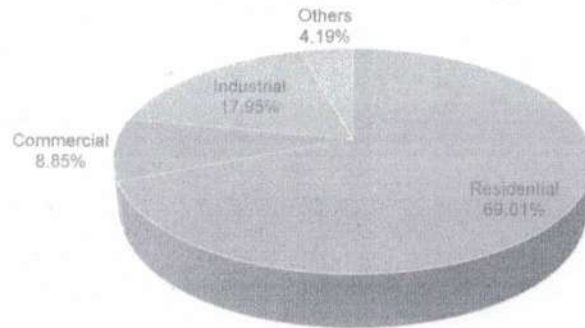


MWh Output increased from year 2000 to year 2020 at an average rate of 7.91%, while MWh System Loss increased at an average rate of 4.98% within the same period.



Historically, System Loss ranged from 11.64% to 22.72%. System Loss peaked at 21.98% and 22.72% on years 2001 and 2000, respectively, because of minimal system loss reduction activities that were implemented previously. Additionally, exposure to Typhoon Reming in 2000 and Typhoon Emong in 2009 have also contributed to the increase in system loss.

Previous Year's Shares of Energy Sales

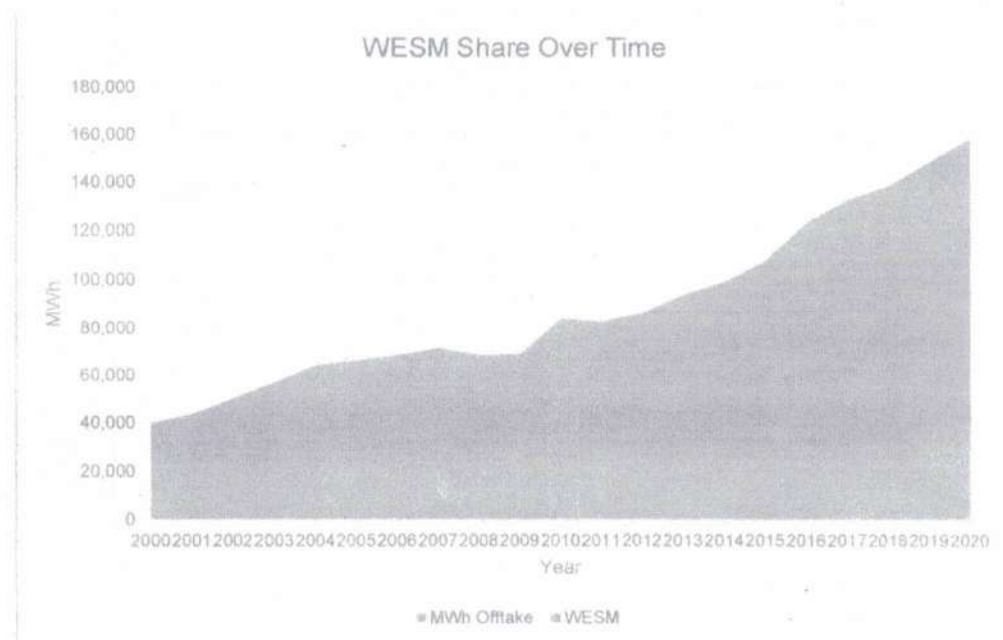


Residential customers account for the bulk of energy sales at 69.01% due to the high number of connections. In contrast, other customers (e.g. Public Building, Temporary Connections, and Street Lights) accounted for only 13.04% of energy sales due to the low number of connections.

MWh Offtake for Last Historical Year

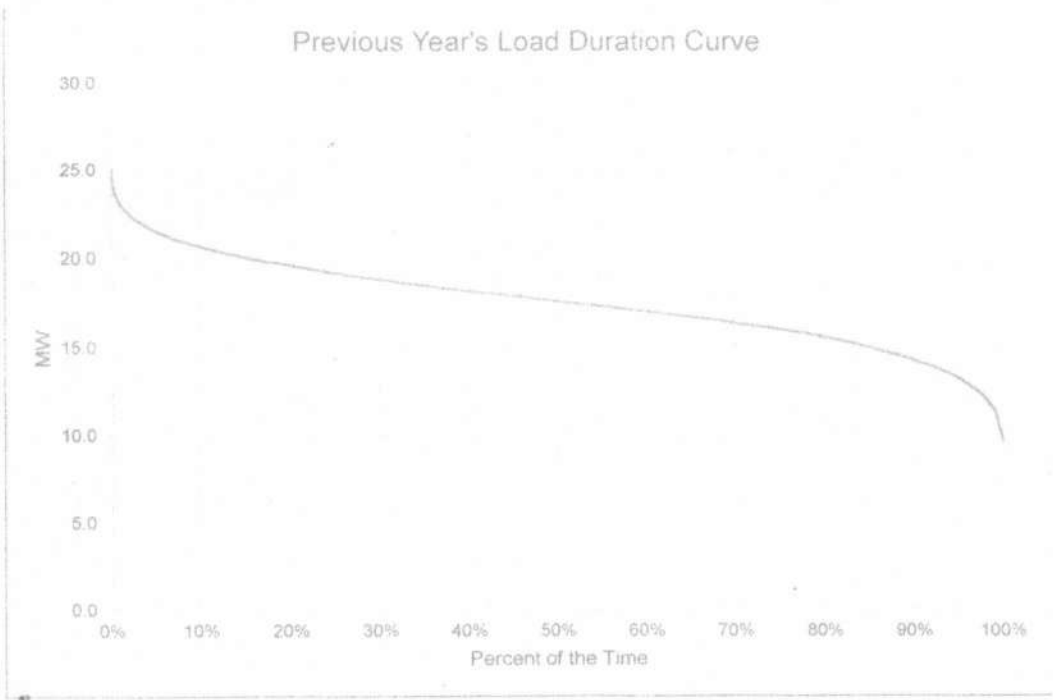


For 2020, the total Offtake for the last historical year is higher than the quantity stipulated in the PSA. The PSA with Masinloc Power Partners Co. Ltd. (MPPCL) accounts for the bulk of MWh Offtake.

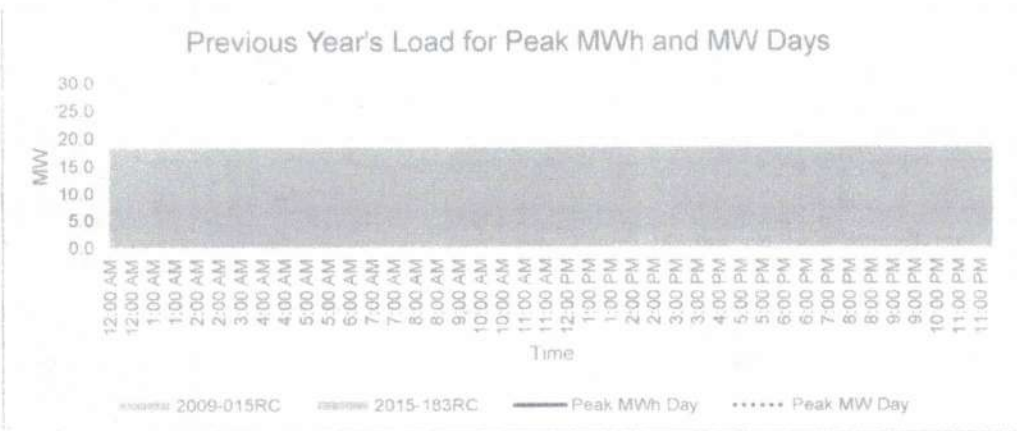


There is no WESM Offtake from 2000 to 2020. Total energy requirement is being obtained from MPPCL since PANELCO I is not yet a direct member of WESM as of date.

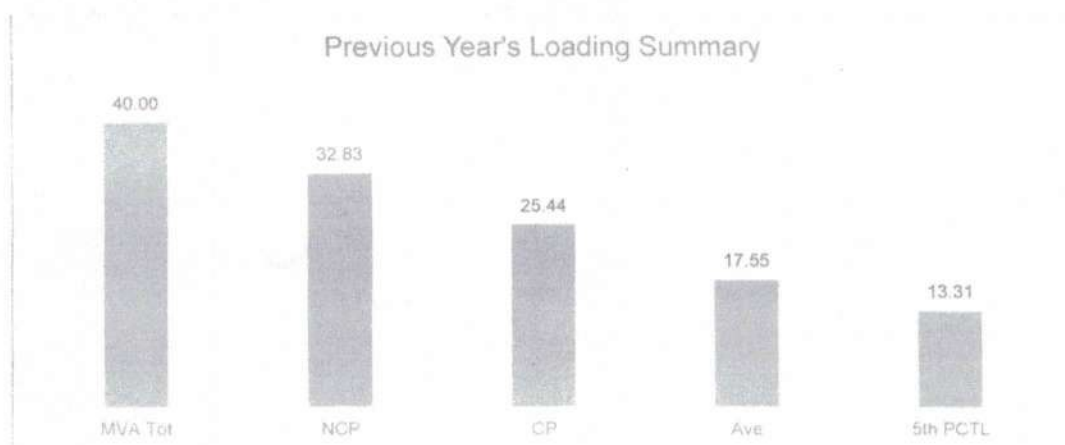
Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 9.63 MW and the maximum load is 25.44 MW for the last historical year.



Peak MW occurred on the months of April to June due to high temperature/hot weather condition. Peak daily MWh occurred from 7:00 PM to 10:00 PM due to high consumption of residential consumers which accounts to 69% of MWh sales. As shown in the Load Curves, the available supply is lower than the Peak Demand.



The Non-coincident Peak Demand is 32.83 MW, which is around 82.08% of the total substation capacity of 40.00 MVA at a power factor of 98 %. The load factor or the ratio between the Average Load of 17.55 MW and the Non-coincident Peak Demand is 53.46%. A safe estimate of the true minimum load is the fifth percentile load of 13.31 MW which is 40.54% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
BANI S/S	5	4.537
PALAMIS S/S	15	11.601
TARA S/S	10	7.879
DASOL S/S	10	8.808

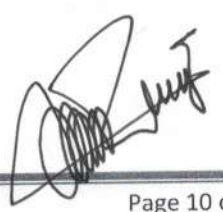
All substations of PANELCO I are already loaded at above 70%. This loading problem will be solved by upgrading of existing power transformers and putting up of new substations through the implementation of Capital Expenditure Projects.

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
2021	Jan	26.20	16.25	2.00	0.000		62%	70%	-7.95
	Feb	24.98	15.72	2.00	0.000		63%	71%	-7.26
	Mar	26.27	16.25	2.00	0.000		62%	69%	-8.02
	Apr	32.10	16.01	2.00	0.000		50%	56%	-14.09
	May	30.80	15.48	2.00	0.000		50%	57%	-13.32
	Jun	30.27	15.67	2.00	0.000		52%	58%	-12.60
	Jul	27.28	16.42	2.00	0.000		60%	68%	-8.86
	Aug	26.09	15.89	2.00	0.000		61%	69%	-8.20
	Sep	25.62	16.02	2.00	0.000		63%	70%	-7.60
	Oct	26.54	15.69	2.00	0.000		59%	67%	-8.85
	Nov	27.90	15.53	2.00	0.000		56%	63%	-10.37
	Dec	25.45	15.40	2.00	0.000		61%	68%	-8.05
2022	Jan	27.15	16.43	2.00	0.000		61%	68%	-8.72
	Feb	25.46	15.89	2.00	0.000		62%	70%	-7.57
	Mar	28.23	16.42	2.00	0.000		58%	65%	-9.81
	Apr	34.03	16.17	2.00	0.000		48%	53%	-15.86
	May	33.90	15.67	2.00	0.000		46%	52%	-16.23
	Jun	33.19	15.83	2.00	0.000		48%	54%	-15.36
	Jul	30.84	16.61	2.00	0.000		54%	60%	-12.23
	Aug	28.19	16.06	2.00	0.000		57%	64%	-10.13
	Sep	28.18	16.19	2.00	0.000		57%	65%	-9.99
	Oct	28.78	15.86	2.00	0.000		55%	62%	-10.92
	Nov	30.47	0.00	2.00	19.000		0%	69%	-9.47
	Dec	27.44	0.00	2.00	19.000		0%	77%	-6.44
2023	Jan	28.41	0.00	2.00	25.000		0%	95%	-1.41
	Feb	26.65	0.00	2.00	25.000		0%	101%	0.35
	Mar	29.55	0.00	2.00	25.000		0%	91%	-2.55
	Apr	35.62	0.00	2.00	25.000		0%	76%	-8.62
	May	35.48	0.00	2.00	25.000		0%	76%	-8.48
	Jun	34.74	0.00	2.00	25.000		0%	78%	-7.74



	Jul	32.28	0.00	2.00	25.000		0%	84%	-5.28
	Aug	29.50	0.00	2.00	25.000		0%	92%	-2.50
	Sep	29.49	0.00	2.00	25.000		0%	92%	-2.49
	Oct	30.12	0.00	2.00	25.000		0%	90%	-3.12
	Nov	31.90	0.00	2.00	25.000		0%	85%	-4.90
	Dec	28.72	0.00	2.00	25.000		0%	94%	-1.72
2024	Jan	29.64	0.00	2.00	26.000		0%	94%	-1.64
	Feb	27.80	0.00	2.00	26.000		0%	101%	0.20
	Mar	30.83	0.00	2.00	26.000		0%	91%	-2.83
	Apr	37.16	0.00	2.00	26.000		0%	75%	-9.16
	May	37.01	0.00	2.00	26.000		0%	76%	-9.01
	Jun	36.24	0.00	2.00	26.000		0%	77%	-8.24
	Jul	33.67	0.00	2.00	26.000		0%	83%	-5.67
	Aug	30.78	0.00	2.00	26.000		0%	91%	-2.78
	Sep	30.77	0.00	2.00	26.000		0%	91%	-2.77
	Oct	31.42	0.00	2.00	26.000		0%	89%	-3.42
	Nov	33.27	0.00	2.00	26.000		0%	84%	-5.27
	Dec	29.96	0.00	2.00	26.000		0%	93%	-1.96
2025	Jan	30.82	0.00	2.00	27.000		0%	94%	-1.82
	Feb	28.91	0.00	2.00	27.000		0%	100%	0.09
	Mar	32.06	0.00	2.00	27.000		0%	90%	-3.06
	Apr	38.65	0.00	2.00	27.000		0%	75%	-9.65
	May	38.50	0.00	2.00	27.000		0%	75%	-9.50
	Jun	37.69	0.00	2.00	27.000		0%	77%	-8.69
	Jul	35.02	0.00	2.00	27.000		0%	83%	-6.02
	Aug	32.01	0.00	2.00	27.000		0%	91%	-3.01
	Sep	32.00	0.00	2.00	27.000		0%	91%	-3.00
	Oct	32.68	0.00	2.00	27.000		0%	89%	-3.68
	Nov	34.61	0.00	2.00	27.000		0%	84%	-5.61
	Dec	31.16	0.00	2.00	27.000		0%	93%	-2.16
2026	Jan	31.97	0.00	2.00	31.000		0%	103%	1.03
	Feb	29.99	0.00	2.00	31.000		0%	110%	3.01
	Mar	33.26	0.00	2.00	31.000		0%	99%	-0.26
	Apr	40.09	0.00	2.00	31.000		0%	82%	-7.09
	May	39.93	0.00	2.00	31.000		0%	83%	-6.93
	Jun	39.09	0.00	2.00	31.000		0%	84%	-6.09

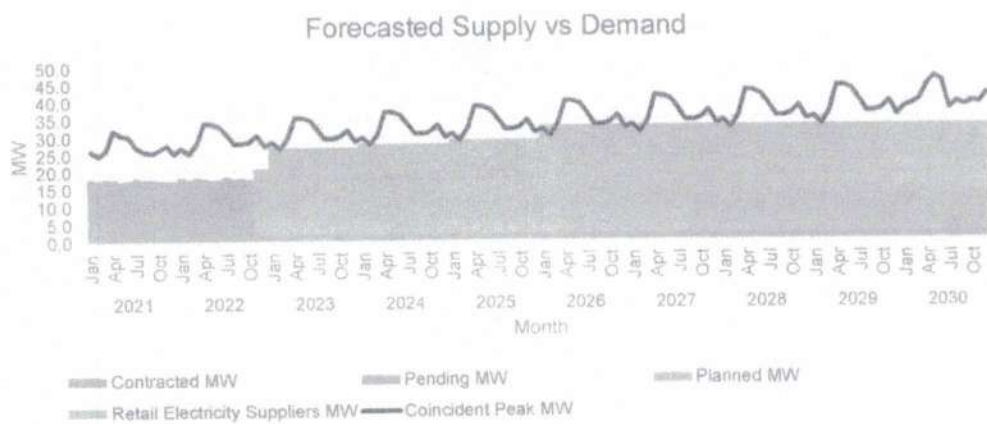



	Jul	36.33	0.00	2.00	31,000		0%	91%	-3.33
	Aug	33.20	0.00	2.00	31,000		0%	99%	-0.20
	Sep	33.19	0.00	2.00	31,000		0%	99%	-0.19
	Oct	33.90	0.00	2.00	31,000		0%	97%	-0.90
	Nov	35.89	0.00	2.00	31,000		0%	92%	-2.89
	Dec	32.32	0.00	2.00	31,000		0%	102%	0.68
2027	Jan	33.08	0.00	2.00	31,000		0%	100%	-0.08
	Feb	31.03	0.00	2.00	31,000		0%	106%	1.97
	Mar	34.41	0.00	2.00	31,000		0%	96%	-1.41
	Apr	41.48	0.00	2.00	31,000		0%	80%	-8.48
	May	41.31	0.00	2.00	31,000		0%	80%	-8.31
	Jun	40.45	0.00	2.00	31,000		0%	82%	-7.45
	Jul	37.59	0.00	2.00	31,000		0%	88%	-4.59
	Aug	34.35	0.00	2.00	31,000		0%	96%	-1.35
	Sep	34.34	0.00	2.00	31,000		0%	96%	-1.34
	Oct	35.07	0.00	2.00	31,000		0%	94%	-2.07
	Nov	37.14	0.00	2.00	31,000		0%	89%	-4.14
	Dec	33.44	0.00	2.00	31,000		0%	99%	-0.44
2028	Jan	34.15	0.00	2.00	31,000		0%	97%	-1.15
	Feb	32.03	0.00	2.00	31,000		0%	103%	0.97
	Mar	35.52	0.00	2.00	31,000		0%	93%	-2.52
	Apr	42.82	0.00	2.00	31,000		0%	77%	-9.82
	May	42.65	0.00	2.00	31,000		0%	77%	-9.65
	Jun	41.75	0.00	2.00	31,000		0%	79%	-8.75
	Jul	38.80	0.00	2.00	31,000		0%	85%	-5.80
	Aug	35.46	0.00	2.00	31,000		0%	93%	-2.46
	Sep	35.45	0.00	2.00	31,000		0%	93%	-2.45
	Oct	36.21	0.00	2.00	31,000		0%	91%	-3.21
	Nov	38.34	0.00	2.00	31,000		0%	86%	-5.34
	Dec	34.52	0.00	2.00	31,000		0%	96%	-1.52
2029	Jan	35.18	0.00	2.00	31,000		0%	94%	-2.18
	Feb	33.00	0.00	2.00	31,000		0%	100%	0.00
	Mar	36.59	0.00	2.00	31,000		0%	90%	-3.59
	Apr	44.11	0.00	2.00	31,000		0%	75%	-11.11
	May	43.94	0.00	2.00	31,000		0%	75%	-10.94
	Jun	43.01	0.00	2.00	# 31,000		0%	77%	-10.01

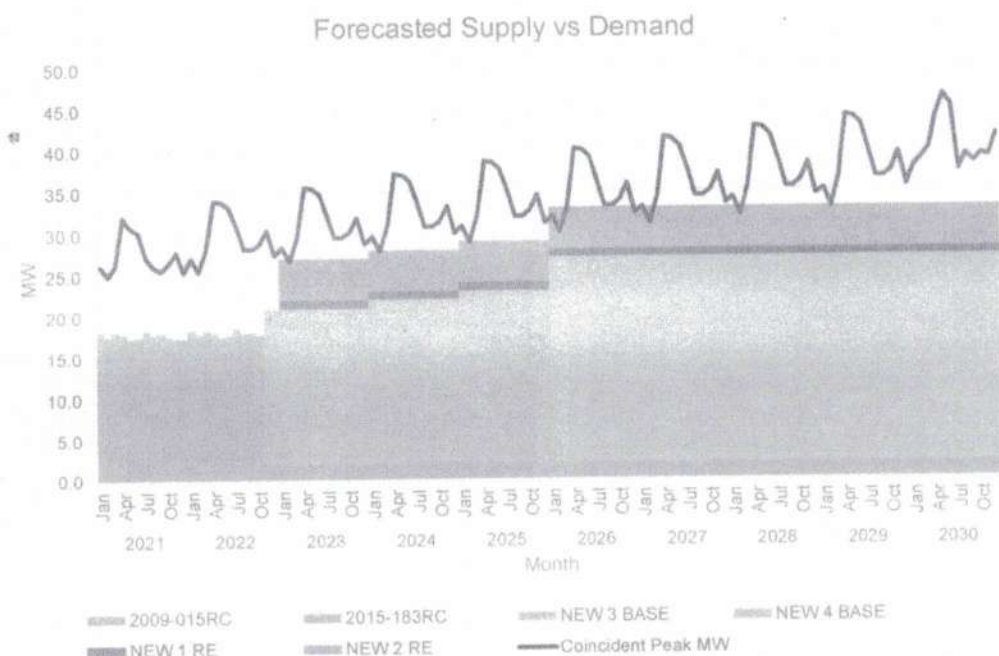
	Jul	39.97	0.00	2.00	31.000		0%	83%	-6.97
	Aug	36.53	0.00	2.00	31.000		0%	90%	-3.53
	Sep	36.52	0.00	2.00	31.000		0%	90%	-3.52
	Oct	37.30	0.00	2.00	31.000		0%	88%	-4.30
	Nov	39.50	0.00	2.00	31.000		0%	84%	-6.50
	Dec	35.56	0.00	2.00	31.000		0%	93%	-2.56
2030	Jan	37.84	0.00	2.00	31.000		0%	87%	-4.84
	Feb	36.74	0.00	2.00	31.000		0%	85%	-5.74
	Mar	39.96	0.00	2.00	31.000		0%	83%	-6.96
	Apr	43.94	0.00	2.00	31.000		0%	75%	-10.94
	May	46.55	0.00	2.00	31.000		0%	71%	-13.55
	Jun	45.34	0.00	2.00	31.000		0%	73%	-12.34
	Jul	37.33	0.00	2.00	31.000		0%	88%	-4.33
	Aug	39.20	0.00	2.00	31.000		0%	84%	-6.20
	Sep	38.22	0.00	2.00	31.000		0%	86%	-5.22
	Oct	39.22	0.00	2.00	31.000		0%	84%	-6.22
	Nov	38.92	0.00	2.00	31.000		0%	85%	-5.92
	Dec	41.66	0.00	2.00	31.000		0%	79%	-8.66

The Peak Demand was forecasted using Trend Analysis and was assumed to occur on the month of April due to the high temperature/hot weather condition. Additionally, the coverage area is a home to a number of tourist spots and beach resorts with highest demands during the Summer Season. Monthly Peak Demand is at its lowest on the month of February due to low temperature/cold weather condition coupled with fewer expected economic activities. In general, Peak Demand is expected to grow at an average rate of 4.28% annually.



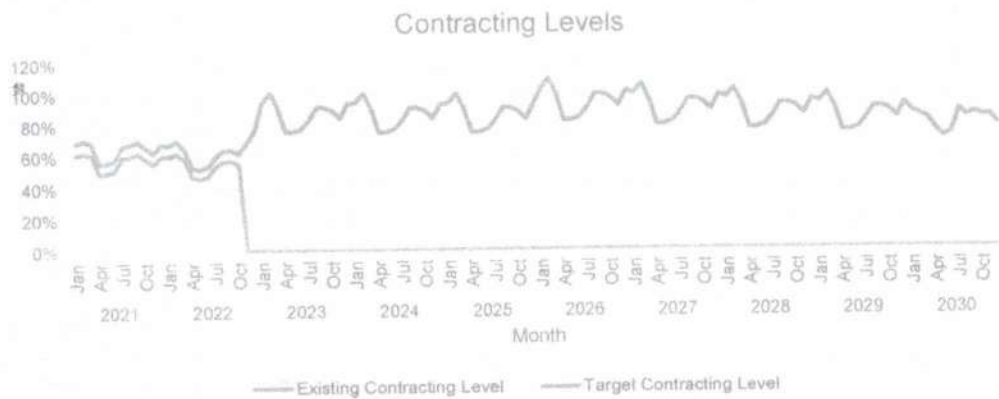
The available supply is generally below the Peak Demand. Any deficiency will be obtained at WESM as PANELCO I will already be applying as a direct member.



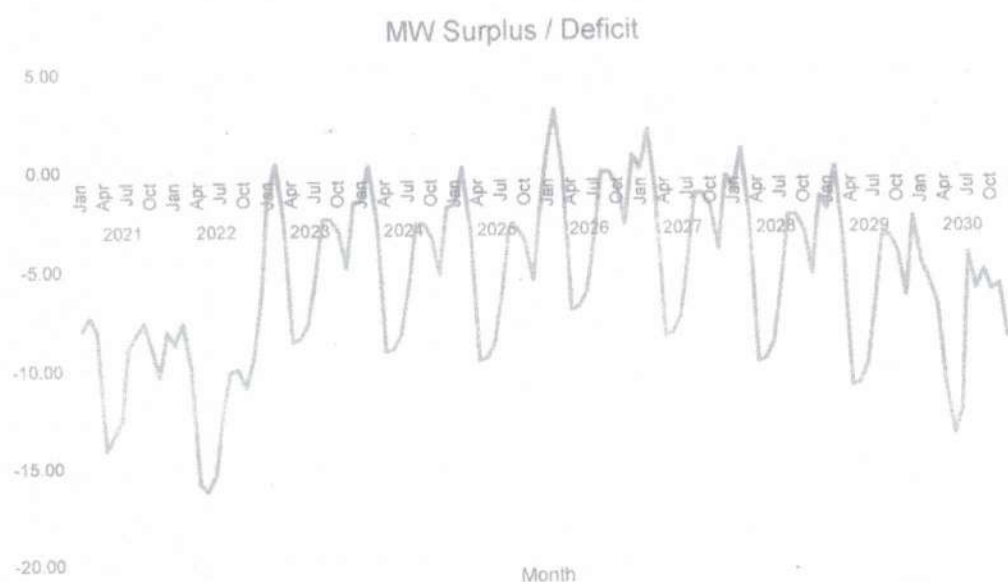
Of the available supply, the largest is 25 MW from the Supplier (Winning Bidder) which is expected to be obtained from R1+CAR+S1 Joint Competitive Selection Process for Long-Term Power Supply Requirements commencing on year 2026. This is followed by 21 MW from Supplier (Winning Bidder) which is expected to be obtained from R1+CAR+S1 Joint Competitive Selection Process for Short-Term Power Supply Requirements covering the period 2022 to 2025.



The first wave of supply procurement will be for 19 MW planned to be available by October 26, 2022 since the existing contract for baseload demand of PANELCO I will expire on October 25, 2022. This will be followed by the 5 MW renewable energy supply planned to be available by December 2022.



Currently, there is under-contracting by 54%. The highest target contracting level is 110% which is expected to occur on February 2026. The lowest target contracting level is 52% which is expected to occur on May 2022.



Currently, there is under-contacting by 16.23 MW. The highest surplus is 3.01 MW which is expected to occur on the month of February 2026. The highest deficit is 16.23 MW which is expected to occur on the month of May 2022.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2021	Jan	13,082	11,806	1,276	0.00%	9.76%
	Feb	12,324	11,043	1,282	0.00%	10.40%
	Mar	12,102	10,730	1,373	0.00%	11.34%
	Apr	15,376	13,668	1,708	0.00%	11.11%
	May	15,835	14,016	1,819	0.00%	11.49%
	Jun	16,057	14,752	1,305	0.00%	8.13%
	Jul	14,422	13,132	1,290	0.00%	8.95%
	Aug	13,912	12,555	1,357	0.00%	9.75%
	Sep	13,887	12,541	1,346	0.00%	9.69%
	Oct	13,322	11,658	1,664	0.00%	12.49%
	Nov	14,643	13,302	1,341	0.00%	9.16%
	Dec	13,879	12,513	1,366	0.00%	9.84%
2022	Jan	13,885	12,543	1,341	0.00%	9.66%
	Feb	13,080	11,733	1,347	0.00%	10.30%
	Mar	12,842	11,400	1,442	0.00%	11.23%
	Apr	16,317	14,522	1,795	0.00%	11.00%
	May	16,803	14,891	1,912	0.00%	11.38%
	Jun	17,045	15,674	1,371	0.00%	8.04%
	Jul	15,308	13,952	1,356	0.00%	8.86%
	Aug	14,765	13,340	1,426	0.00%	9.66%
	Sep	14,739	13,325	1,414	0.00%	9.59%
	Oct	14,135	12,386	1,749	0.00%	12.37%

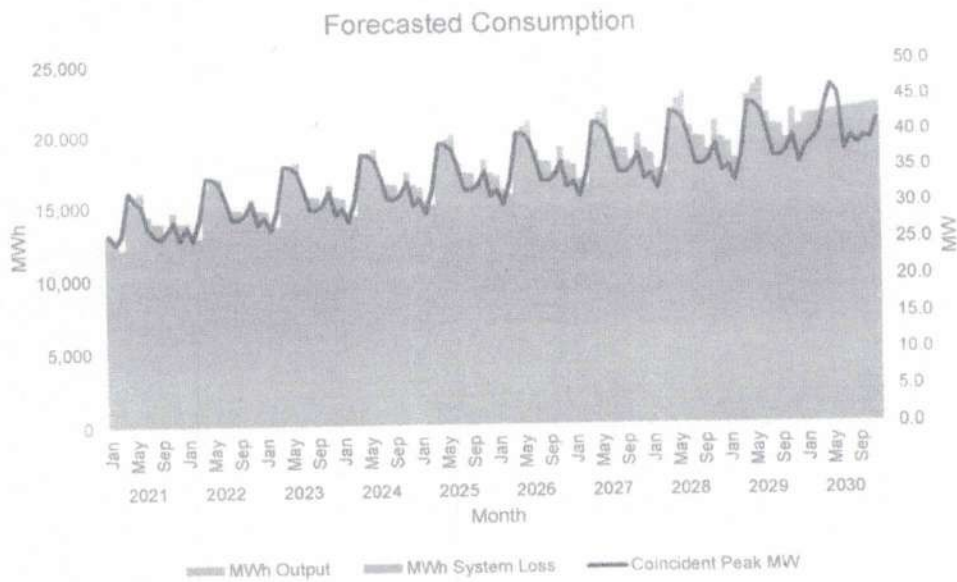
	Nov	15,542	14,133	1,409	0.00%	9.07%
	Dec	14,730	13,295	1,435	0.00%	9.74%
2023	Jan	14,695	13,284	1,411	0.00%	9.60%
	Feb	13,842	12,426	1,417	0.00%	10.23%
	Mar	13,590	12,073	1,517	0.00%	11.16%
	Apr	17,267	15,380	1,888	0.00%	10.93%
	May	17,781	15,771	2,011	0.00%	11.31%
	Jun	18,041	16,599	1,442	0.00%	7.99%
	Jul	16,202	14,776	1,426	0.00%	8.80%
	Aug	15,627	14,128	1,500	0.00%	9.60%
	Sep	15,599	14,112	1,487	0.00%	9.53%
	Oct	14,957	13,118	1,839	0.00%	12.30%
	Nov	16,450	14,968	1,482	0.00%	9.01%
	Dec	15,590	14,080	1,510	0.00%	9.68%
2024	Jan	15,475	14,028	1,447	0.00%	9.35%
	Feb	14,575	13,121	1,454	0.00%	9.97%
	Mar	14,306	12,749	1,557	0.00%	10.88%
	Apr	18,178	16,241	1,937	0.00%	10.66%
	May	18,717	16,654	2,063	0.00%	11.02%
	Jun	19,008	17,529	1,480	0.00%	7.78%
	Jul	17,067	15,603	1,464	0.00%	8.58%
	Aug	16,457	14,918	1,539	0.00%	9.35%
	Sep	16,428	14,902	1,526	0.00%	9.29%
	Oct	15,739	13,852	1,887	0.00%	11.99%
	Nov	17,326	15,805	1,521	0.00%	8.78%
	Dec	16,418	14,868	1,549	0.00%	9.44%
2025	Jan	16,226	14,774	1,452	0.00%	8.95%
	Feb	15,277	13,820	1,458	0.00%	9.54%
	Mar	14,989	13,428	1,561	0.00%	10.42%
	Apr	19,048	17,105	1,943	0.00%	10.20%
	May	19,609	17,540	2,069	0.00%	10.55%
	Jun	19,945	18,462	1,484	0.00%	7.44%
	Jul	17,901	16,434	1,468	0.00%	8.20%
	Aug	17,256	15,713	1,543	0.00%	8.94%
	Sep	17,225	15,695	1,531	0.00%	8.89%
	Oct	16,482	14,589	1,893	0.00%	11.48%
	Nov	18,172	16,647	1,525	0.00%	8.39%
	Dec	17,213	15,660	1,554	0.00%	9.03%
2026	Jan	16,992	15,524	1,468	0.00%	8.64%
	Feb	15,995	14,521	1,474	0.00%	9.22%
	Mar	15,688	14,109	1,579	0.00%	10.06%
	Apr	19,937	17,973	1,964	0.00%	9.85%
	May	20,522	18,430	2,092	0.00%	10.19%
	Jun	20,899	19,398	1,501	0.00%	7.18%
	Jul	18,752	17,268	1,484	0.00%	7.91%
	Aug	18,070	16,510	1,560	0.00%	8.63%
	Sep	18,039	16,491	1,548	0.00%	8.58%
	Oct	17,243	15,330	1,914	0.00%	11.10%
	Nov	19,034	17,491	1,542	0.00%	8.10%
	Dec	18,025	16,454	1,571	0.00%	8.71%
2027	Jan	17,758	16,277	1,481	0.00%	8.34%
	Feb	16,712	15,225	1,487	0.00%	8.90%
	Mar	16,386	14,793	1,593	0.00%	9.72%
	Apr	20,827	18,844	1,982	0.00%	9.52%

	May	21,435	19,323	2,111	0.00%	9.85%
	Jun	21,853	20,339	1,514	0.00%	6.93%
	Jul	19,602	18,105	1,498	0.00%	7.64%
	Aug	18,885	17,310	1,575	0.00%	8.34%
	Sep	18,853	17,291	1,562	0.00%	8.28%
	Oct	18,004	16,073	1,931	0.00%	10.73%
	Nov	19,896	18,339	1,556	0.00%	7.82%
	Dec	18,837	17,252	1,585	0.00%	8.42%
2028	Jan	18,524	17,032	1,492	0.00%	8.05%
	Feb	17,430	15,932	1,498	0.00%	8.59%
	Mar	17,084	15,480	1,604	0.00%	9.39%
	Apr	21,716	19,719	1,996	0.00%	9.19%
	May	22,347	20,221	2,126	0.00%	9.51%
	Jun	22,808	21,283	1,525	0.00%	6.69%
	Jul	20,453	18,945	1,508	0.00%	7.37%
	Aug	19,699	18,114	1,586	0.00%	8.05%
	Sep	19,666	18,094	1,573	0.00%	8.00%
	Oct	18,764	16,819	1,945	0.00%	10.36%
	Nov	20,758	19,191	1,567	0.00%	7.55%
	Dec	19,649	18,053	1,596	0.00%	8.12%
2029	Jan	19,290	17,791	1,499	0.00%	7.77%
	Feb	18,147	16,641	1,506	0.00%	8.30%
	Mar	17,782	16,169	1,613	0.00%	9.07%
	Apr	22,604	20,598	2,006	0.00%	8.88%
	May	23,258	21,121	2,137	0.00%	9.19%
	Jun	23,763	22,231	1,533	0.00%	6.45%
	Jul	21,305	19,789	1,516	0.00%	7.12%
	Aug	20,514	18,921	1,594	0.00%	7.77%
	Sep	20,480	18,899	1,581	0.00%	7.72%
	Oct	19,523	17,568	1,955	0.00%	10.01%
	Nov	21,621	20,045	1,575	0.00%	7.29%
	Dec	20,462	18,857	1,605	0.00%	7.84%
2030	Jan	21,220	19,494	1,726	0.00%	8.13%
	Feb	21,289	19,561	1,728	0.00%	8.12%
	Mar	21,359	19,629	1,730	0.00%	8.10%
	Apr	21,428	19,696	1,732	0.00%	8.09%
	May	21,498	19,763	1,735	0.00%	8.07%
	Jun	21,567	19,830	1,737	0.00%	8.05%
	Jul	21,637	19,897	1,739	0.00%	8.04%
	Aug	21,706	19,964	1,742	0.00%	8.02%
	Sep	21,776	20,032	1,744	0.00%	8.01%
	Oct	21,845	20,099	1,746	0.00%	7.99%
	Nov	21,915	20,166	1,749	0.00%	7.98%
	Dec	21,984	20,233	1,751	0.00%	7.97%

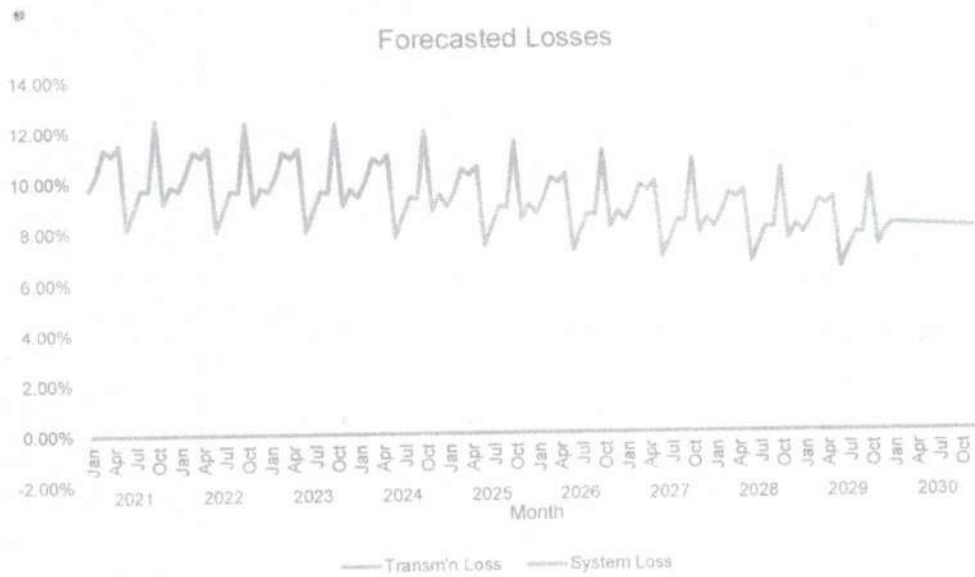
MWh Offtake was forecasted using Trend Analysis. The assumed load factor is 70%.

System Loss was calculated through a Load Flow Study conducted by our technical personnel using DSL software. Based on the same study, the Distribution System can adequately convey electricity to customers.



MWh Output was expected to grow at an average rate of 4.88% annually.



System Loss is expected to range from 6.45% to 12.49%.

Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2009-015RC	Base	Masinioc Power Partners Company, Ltd.	14.18	72,933	10/25/2012	10/25/2022

The CSEE with Masinioc Power Partners Co. Ltd. filed with ERC under Case No. 2009-051RC was procured through negotiation. It was selected to provide for base and peaking requirements due to PANELCO I's forecasted demand. Historically, the utilization of the CSEE is 96%. The actual billed overall monthly charge under the CSEE ranged from 4.24 P/KWh to 5.28 P/KWh in the same period.]

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2015-183RC	Base	Masinioc Power Partners Company, Ltd.	2.00	12,264	12/26/2018	12/25/2038

The PSA with Masinioc Power Partners Co. Ltd. filed with ERC under Case No. 2015-183RC was procured through negotiation. It was selected to provide for base and peaking requirements due to deficiency and imbalances experienced with existing supply brought by the higher increase in demand. Historically, the utilization of the PSA is 95%. The actual billed overall monthly charge under the PSA ranged from 4.36 P/KWh to 8.03 P/KWh in the same period.



	NEW 1 RE	NEW 2 RE	NEW 3 BASE	NEW 4 BASE
Type	Peaking	Peaking	Base	Base
Minimum MW	1.00	5.00	19.00	25.00
Minimum MWh/yr.	1,573	7,500	25,713	202,444
PSA Start	12/26/2022	12/26/2022	10/26/2022	12/26/2025
PSA End	12/26/2032	12/26/2037	12/25/2025	12/26/2035
Publication	06/27/2021	06/26/2021	5/13/2021	1/9/2022
Pre-bid	8/15/2021	7/22/2021	6/3/2021	1/30/2022
Opening	8/25/2021	8/11/2021	8/2/2021	3/31/2022
Awarding	9/2/2021	8/23/2021	9/1/2021	4/30/2022
PSA Signing	9/16/2021	9/10/2021	10/1/2021	5/30/2022
Joint Filing	11/23/2021	9/17/2021	10/10/2021	6/8/2022

Procurement Schedule



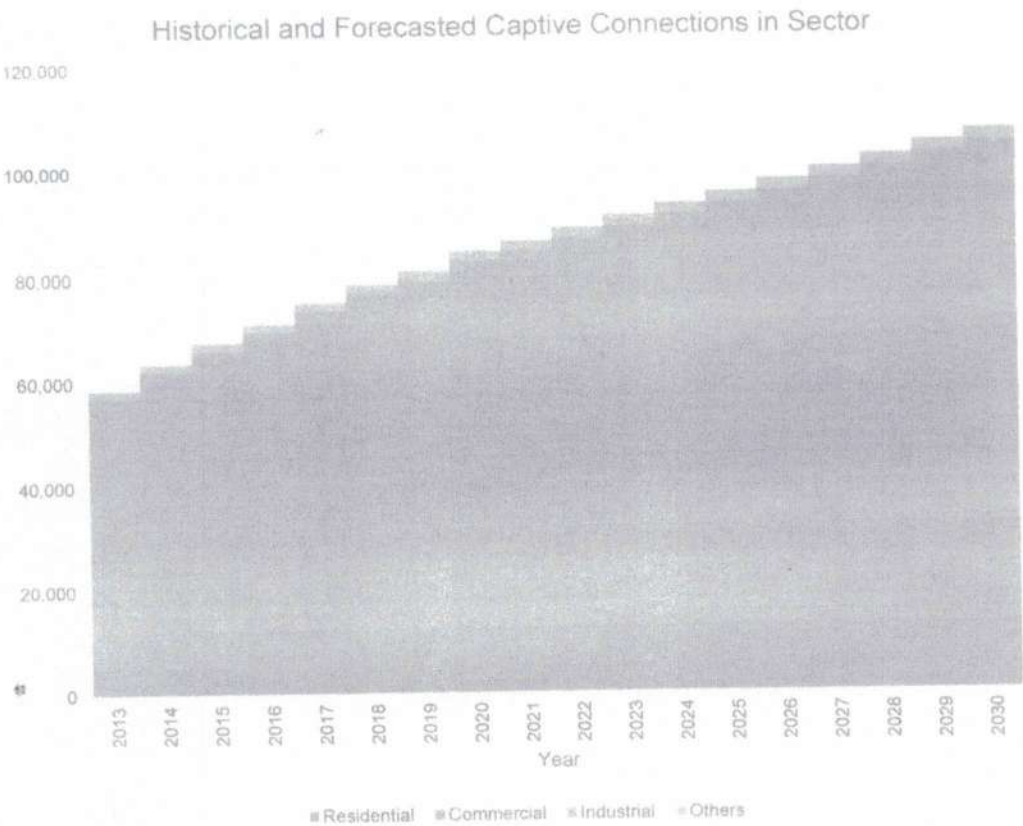
For the procurement of 1 MW of supply which is planned to be available on December 2022,⁷ the first publication or launch of CSP will be on June 2021. Joint filing is planned on November 2021, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 5 MW of supply which is planned to be available on December 2022, the first publication or launch of CSP will be on May 2021. Joint filing is planned on October 2021, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 19 MW of supply which is planned to be available on October 2022, the first publication or launch of CSP will be on May 2021. Joint filing is planned on October 2021, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 25 MW of supply which is planned to be available on October 2025, the first publication or launch of CSP will be on January 2022. Joint filing is planned on June 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 2.33% annually. Said customer class is expected to account for 66% of the total consumption.

APPROVED BY MAJORITY VOTES of five (5), other Directors' positions are declared vacant.

DATE APPROVED: July 19, 2021