

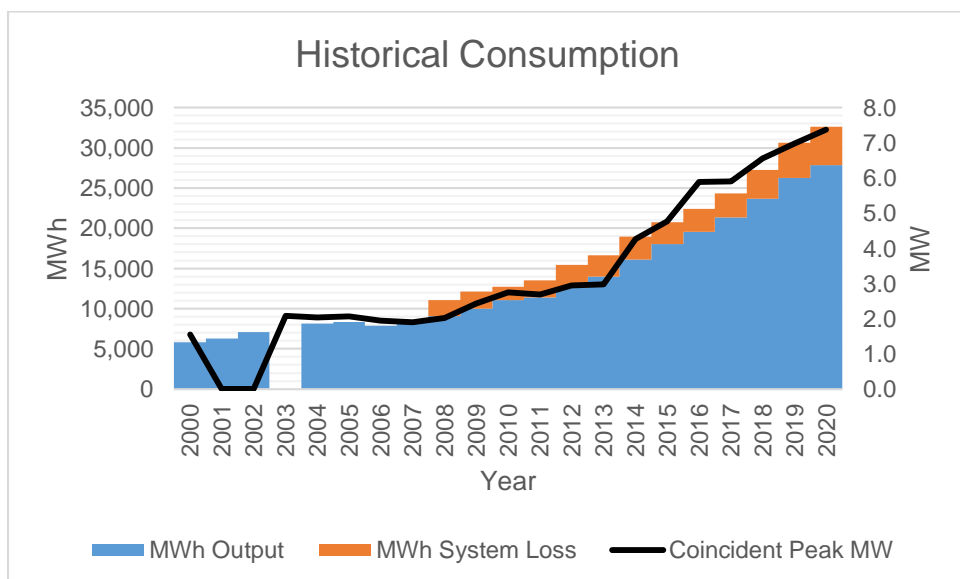
# **Power Supply Procurement Plan 2021**

**IFUGAO ELECTRIC COOPERATIVE, INC. (IFELCO)**

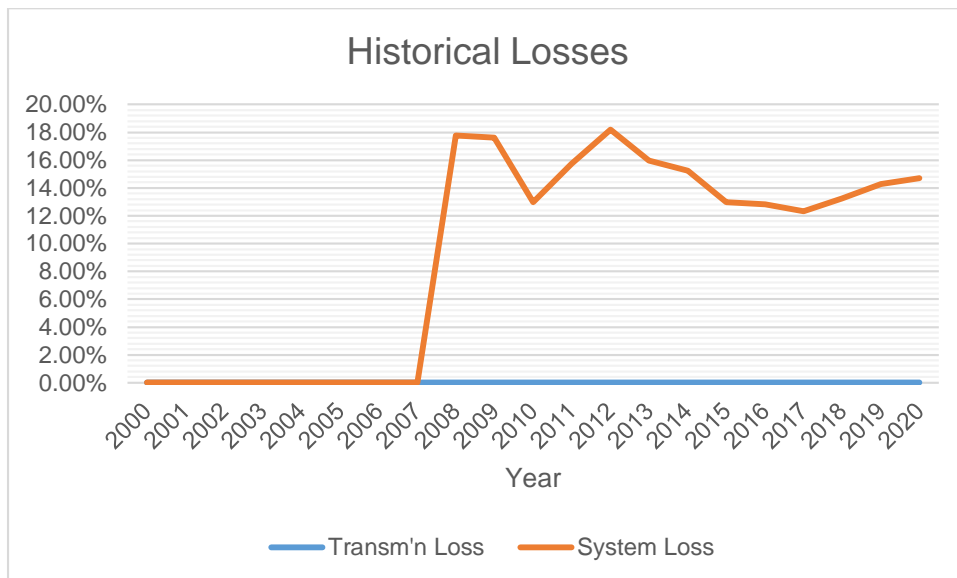
## Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy
2000	1.55	6,935	0	6,935	5,818	0	51%	-16.11%
2001	0.00	7,149	0	7,149	6,289	0	#DIV/0!	-12.03%
2002	0.00	8,406	0	8,406	7,093	0	#DIV/0!	-15.62%
2003	2.08	0	0	0	0	0	0%	#DIV/0!
2004	2.03	10,062	0	10,062	8,117	0	57%	-19.33%
2005	2.07	10,199	0	10,199	8,320	0	56%	-18.42%
2006	1.94	9,959	0	9,959	7,876	0	59%	-20.92%
2007	1.90	10,451	0	10,451	8,178	0	63%	-21.75%
2008	2.02	11,034	0	11,034	9,072	1,962	62%	0.00%
2009	2.43	12,098	0	12,098	9,968	2,130	57%	0.00%
2010	2.75	12,857	0	12,857	11,079	1,671	53%	-0.83%
2011	2.69	13,576	0	13,576	11,410	2,136	58%	-0.22%
2012	2.95	15,466	0	15,466	12,610	2,816	60%	-0.26%
2013	2.97	16,711	0	16,711	13,979	2,670	64%	-0.37%
2014	4.27	19,023	0	19,023	16,074	2,897	51%	-0.27%
2015	4.77	20,733	0	20,733	18,041	2,691	50%	0.00%
2016	5.89	22,442	0	22,442	19,525	2,878	43%	-0.18%
2017	5.90	24,352	0	24,352	21,350	3,002	47%	0.00%
2018	6.56	27,271	0	27,271	23,659	3,612	47%	0.00%
2019	6.97	30,632	0	30,632	26,252	4,380	50%	0.00%
2020	7.38	32,622	0	32,622	27,825	4,797	50%	0.00%

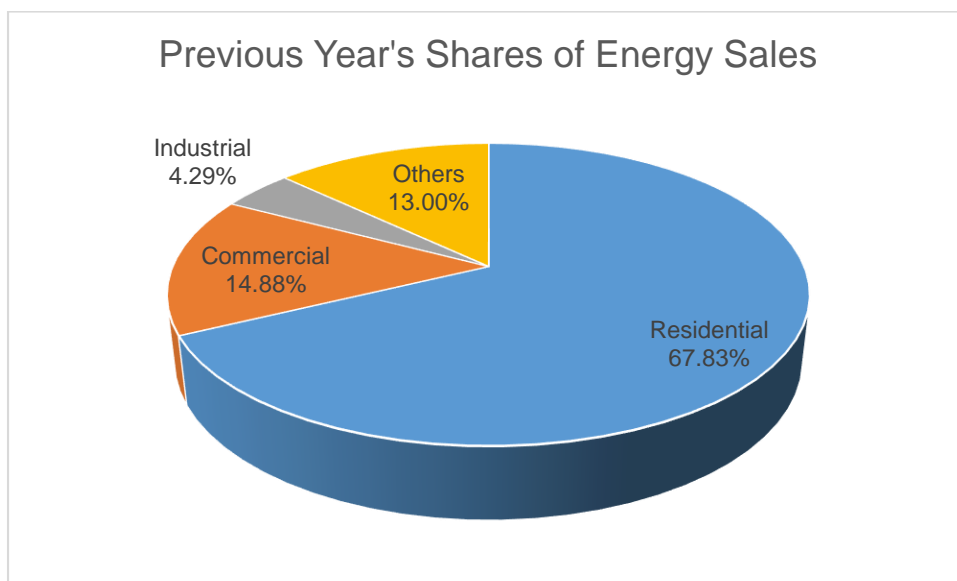
Peak Demand increase from 2.97 MW in 2013 to 7.38 MW in 2020 at a rate of 17.37% due to energization of households implemented thru Sitio Electrification Program (SEP) and Barangay Line Enhancement Program (BLEP) funded by National Electrification Administration (NEA). MWh Offtake increased from 16,711 MWh in 2013 to 19,023 MWh in 2014 at a rate of 13.83% due to increase on coop membership. Within the same period, Load Factor ranged from 64% to 51%. There was an abrupt change in consumption on 2012 up to present due to line expansion.



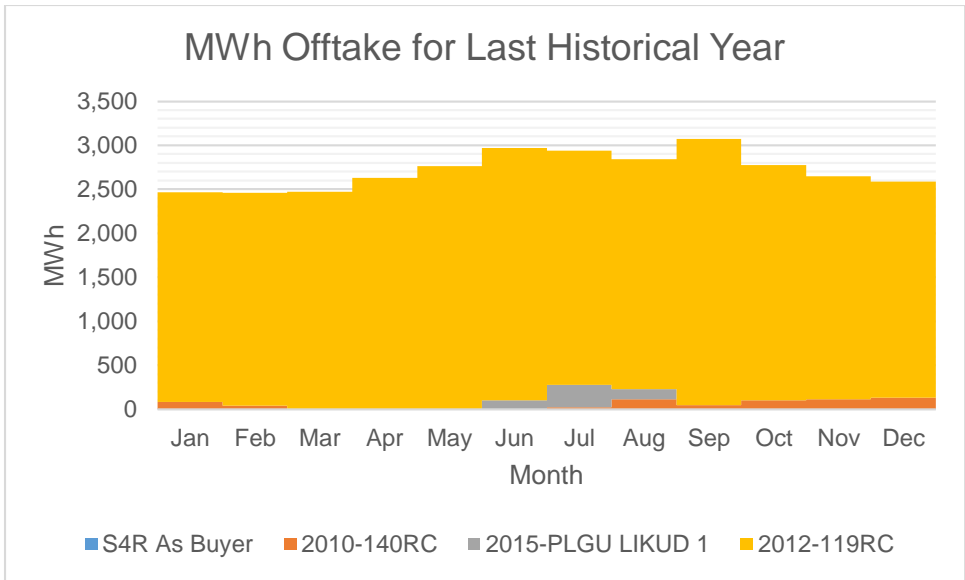
MWh Output increased from year 2012 to year 2020 at a rate of 10.65%, while MWh System Loss decreased at a rate of 3% within the same period. For 2003, there are no available data from previous submission, the reason the reporting personnel this 2021 not able to provide.



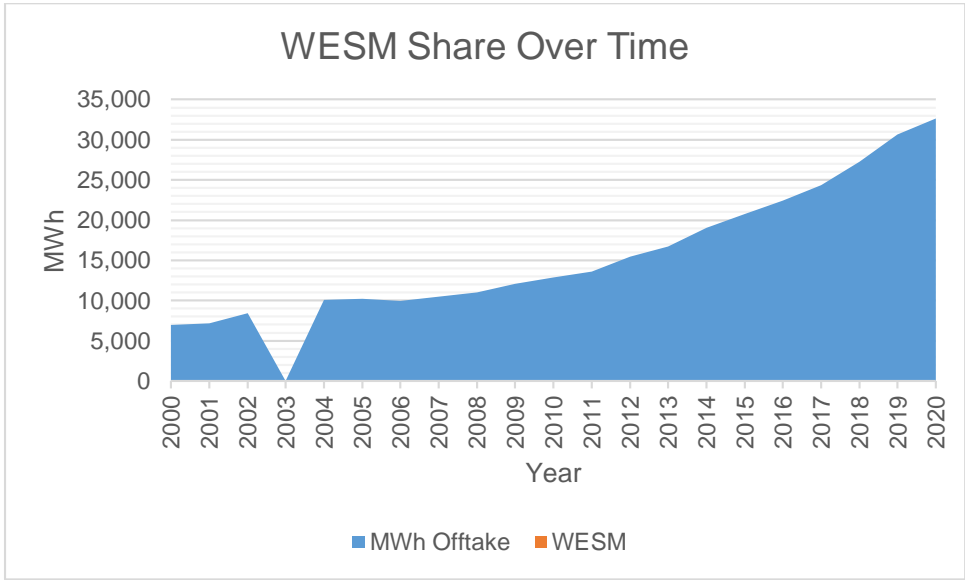
MWh Output increased from year 2012 to year 2020 at a rate of 10.65%, while MWh System Loss decreased at a rate of 3% within the same period. For 2003, there are no available data from previous submission, the reason the reporting personnel this 2020 not able to provide.



Residential customers account for the bulk of energy sales at 67.83% due to the high number of connections as well as due to COVID 19 pandemic. In contrast. Industrial customers accounted for only 4.29% of energy sales due to the low number of connections and low economic activities.

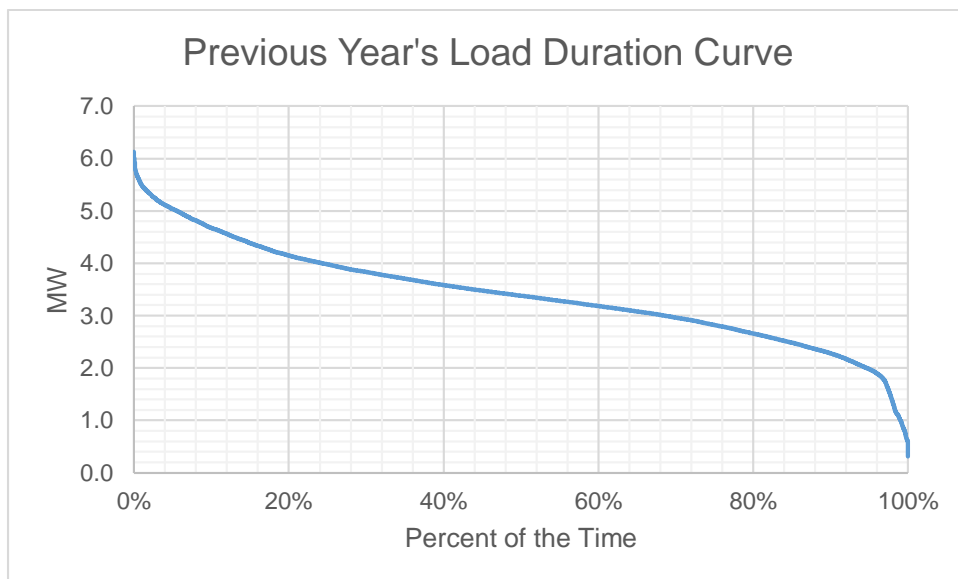


For PSA with SNAP-Magat (ERC Case 2012-119RC), the total Offtake for the last historical year is within the quantity stipulated in the PSA; IFELCO are billed based on actual metered consumption. The PSA with SNAP-Magat (ERC Case 2012-119RC) accounts for the bulk of MWh Offtake.

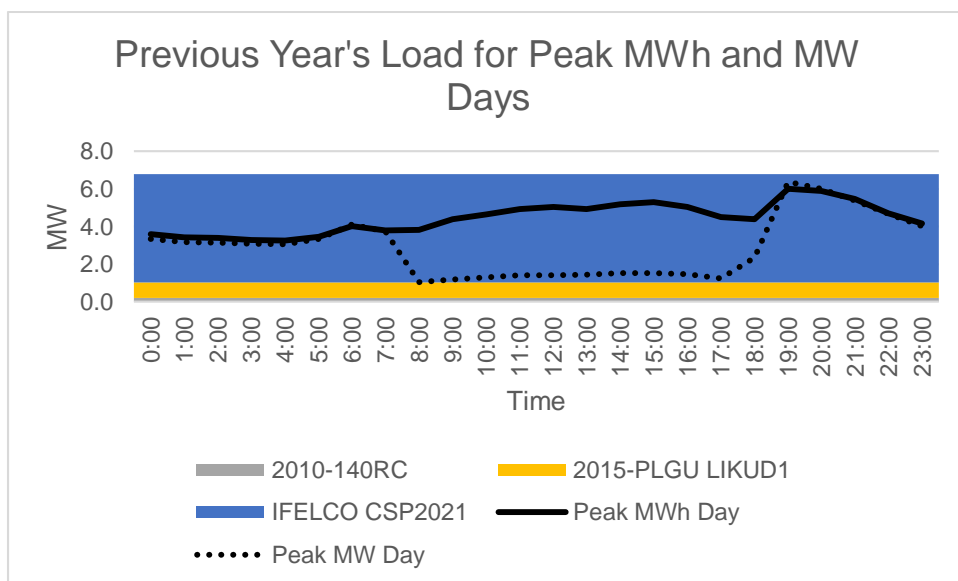


IFELCO is an indirect WESM Member; SN Aboitiz Magat is the counterparty of IFELCO to WESM. The share of WESM in the total Offtake are for review due to unavailability of data and documents. If required during review of PSPP and DDP of IFELCO, the coop is willing to provide. IFELCO are billed by SN Aboitiz based on actual metered consumption. Any exposure to WESM are of SN Aboitiz responsibility.

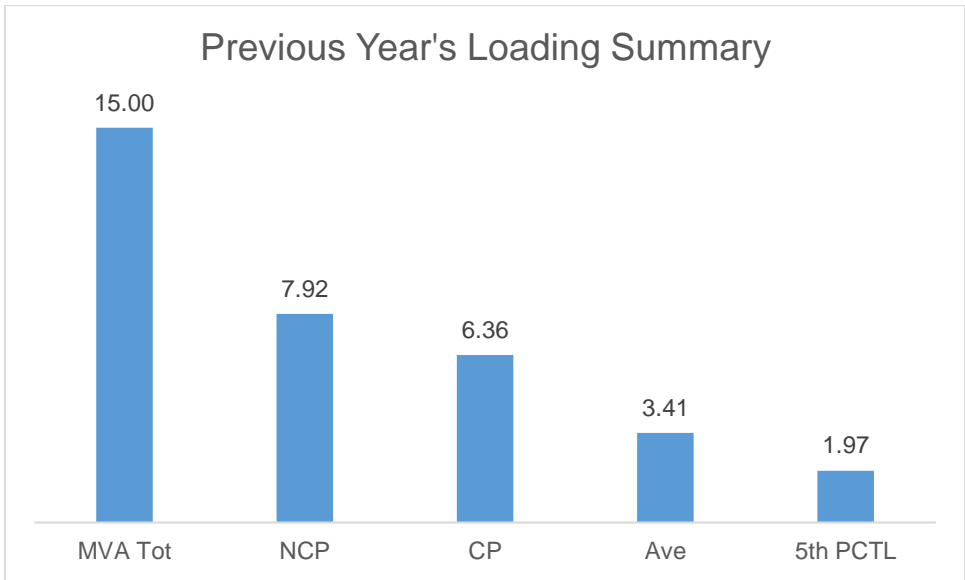
## Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 0.31185MW and the maximum load is 6.35768 MW for the last historical year. The said data are from load profile sent to IFELCO however load profiles are given by PLGU of Ifugao regarding the operation of their generating facilities.



Peak MW occurred on 7:00 PM due to most households are using electricity. Peak daily MWh occurred on 7 PM as shown on the data/graph however precise data gathering and study must be conducted. As shown in the Load Curves, the available supply is lower than the Peak Demand. CSP are conducted by IFELCO to ensure adequate supply.



The Non-coincident Peak Demand is 7.92 MW, which is around 52.8% of the total substation capacity of 15MVA at a power factor of 97%. The load factor or the ratio between the Average Load of 3.41 MW and the Non-coincident Peak Demand is 43.06% of. A safe estimate of the true minimum load is the fifth percentile load of 1.97MW which is 24.87% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
NGCP Cudog S/S	5	3.236
IFELCO Namillangan S/S	5	1.981
IFELCO Banting S/S	5	2.703

There are no IFELCO owned substations loaded at above 70%, however the NGCP owned substation on IFELCO franchise are already near 70% loaded. This loading problem will be solved by additional substation to be put up by IFELCO or NGCP would upgrade its facility (NGCP Cudog S/S).

## 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	6.78	0.20	6.58	0.000		3%	100%	0.00
	Feb	6.75	0.20	6.55	0.000		3%	100%	0.00
	Mar	7.06	0.20	6.86	0.000		3%	100%	0.00
	Apr	7.21	0.20	7.01	0.000		3%	100%	0.00
	May	7.54	0.20	7.34	0.000		3%	100%	0.00
	Jun	7.45	0.20	7.25	0.000		3%	100%	0.00
	Jul	7.03	0.20	6.83	0.000		3%	100%	0.00
	Aug	7.24	0.20	7.04	0.000		3%	100%	0.00
	Sep	7.35	0.20	7.15	0.000		3%	100%	0.00
	Oct	7.41	0.20	7.21	0.000		3%	100%	0.00
	Nov	7.11	0.20	6.91	0.000		3%	100%	0.00
	Dec	7.01	0.20	6.81	0.000		3%	100%	0.00
2022	Jan	6.97	0.20	6.77	0.000		3%	100%	0.00
	Feb	6.93	0.20	6.73	0.000		3%	100%	0.00
	Mar	7.26	0.20	7.06	0.000		3%	100%	0.00
	Apr	7.41	0.20	7.21	0.000		3%	100%	0.00
	May	7.75	0.20	7.55	0.000		3%	100%	0.00
	Jun	7.65	0.20	7.45	0.000		3%	100%	0.00
	Jul	7.22	0.20	7.02	0.000		3%	100%	0.00
	Aug	7.44	0.20	7.24	0.000		3%	100%	0.00
	Sep	7.55	0.20	7.35	0.000		3%	100%	0.00
	Oct	7.62	0.20	7.42	0.000		3%	100%	0.00
	Nov	7.30	0.20	7.10	0.000		3%	100%	0.00
	Dec	7.20	0.20	7.00	0.000		3%	100%	0.00
2023	Jan	7.13	0.20	6.93	0.000		3%	100%	0.00
	Feb	7.09	0.20	6.89	0.000		3%	100%	0.00
	Mar	7.42	0.20	7.22	0.000		3%	100%	0.00
	Apr	7.58	0.20	7.38	0.000		3%	100%	0.00

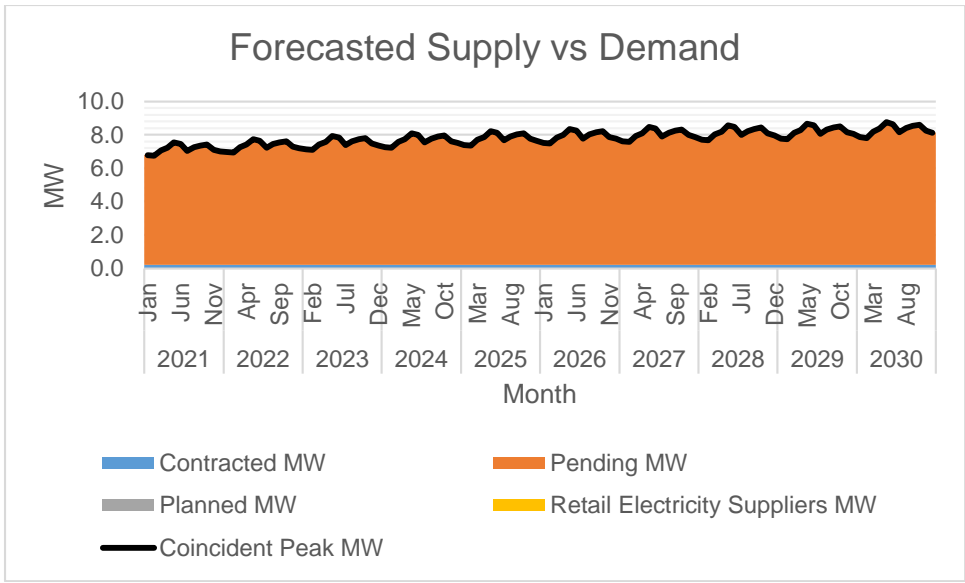
	May	7.93	0.20	7.73	0.000		3%	100%	0.00
	Jun	7.83	0.20	7.63	0.000		3%	100%	0.00
	Jul	7.39	0.20	7.19	0.000		3%	100%	0.00
	Aug	7.61	0.20	7.41	0.000		3%	100%	0.00
	Sep	7.73	0.20	7.53	0.000		3%	100%	0.00
	Oct	7.79	0.20	7.59	0.000		3%	100%	0.00
	Nov	7.47	0.20	7.27	0.000		3%	100%	0.00
	Dec	7.36	0.20	7.16	0.000		3%	100%	0.00
2024	Jan	7.27	0.20	7.07	0.000		3%	100%	0.00
	Feb	7.23	0.20	7.03	0.000		3%	100%	0.00
	Mar	7.57	0.20	7.37	0.000		3%	100%	0.00
	Apr	7.73	0.20	7.53	0.000		3%	100%	0.00
	May	8.09	0.20	7.89	0.000		2%	100%	0.00
	Jun	7.99	0.20	7.79	0.000		3%	100%	0.00
	Jul	7.53	0.20	7.33	0.000		3%	100%	0.00
	Aug	7.77	0.20	7.57	0.000		3%	100%	0.00
	Sep	7.88	0.20	7.68	0.000		3%	100%	0.00
	Oct	7.95	0.20	7.75	0.000		3%	100%	0.00
	Nov	7.62	0.20	7.42	0.000		3%	100%	0.00
	Dec	7.51	0.20	7.31	0.000		3%	100%	0.00
2025	Jan	7.39	0.20	7.19	0.000		3%	100%	0.00
	Feb	7.35	0.20	7.15	0.000		3%	100%	0.00
	Mar	7.70	0.20	7.50	0.000		3%	100%	0.00
	Apr	7.87	0.20	7.67	0.000		3%	100%	0.00
	May	8.23	0.20	8.03	0.000		2%	100%	0.00
	Jun	8.12	0.20	7.92	0.000		2%	100%	0.00
	Jul	7.66	0.20	7.46	0.000		3%	100%	0.00
	Aug	7.90	0.20	7.70	0.000		3%	100%	0.00
	Sep	8.02	0.20	7.82	0.000		2%	100%	0.00
	Oct	8.09	0.20	7.89	0.000		2%	100%	0.00
	Nov	7.75	0.20	7.55	0.000		3%	100%	0.00
	Dec	7.64	0.20	7.44	0.000		3%	100%	0.00
2026	Jan	7.50	0.20	7.30	0.000		3%	100%	0.00



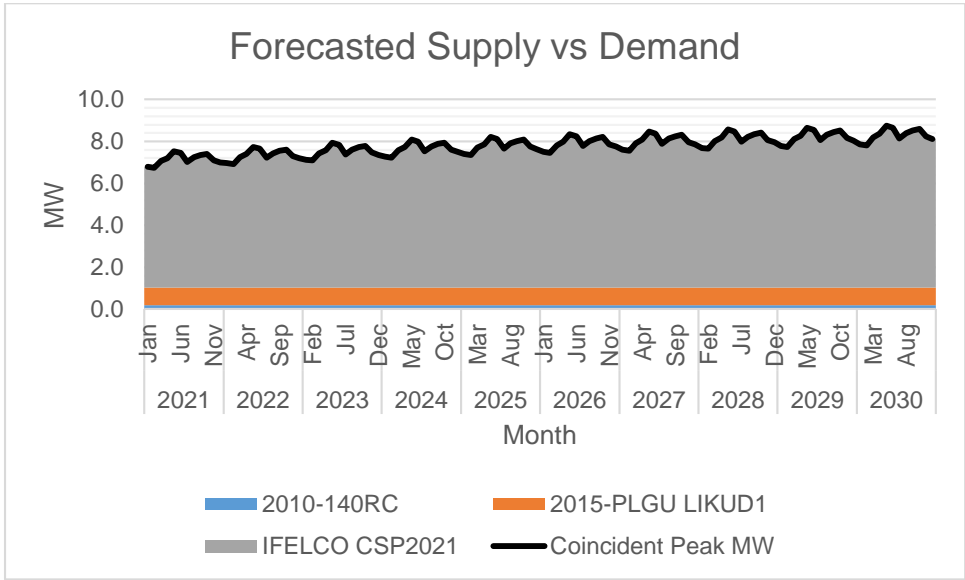
	Feb	7.47	0.20	7.27	0.000		3%	100%	0.00
	Mar	7.82	0.20	7.62	0.000		3%	100%	0.00
	Apr	7.99	0.20	7.79	0.000		3%	100%	0.00
	May	8.35	0.20	8.15	0.000		2%	100%	0.00
	Jun	8.25	0.20	8.05	0.000		2%	100%	0.00
	Jul	7.78	0.20	7.58	0.000		3%	100%	0.00
	Aug	8.02	0.20	7.82	0.000		2%	100%	0.00
	Sep	8.14	0.20	7.94	0.000		2%	100%	0.00
	Oct	8.21	0.20	8.01	0.000		2%	100%	0.00
	Nov	7.87	0.20	7.67	0.000		3%	100%	0.00
	Dec	7.75	0.20	7.55	0.000		3%	100%	0.00
2027	Jan	7.60	0.20	7.40	0.000		3%	100%	0.00
	Feb	7.57	0.20	7.37	0.000		3%	100%	0.00
	Mar	7.92	0.20	7.72	0.000		3%	100%	0.00
	Apr	8.10	0.20	7.90	0.000		2%	100%	0.00
	May	8.47	0.20	8.27	0.000		2%	100%	0.00
	Jun	8.36	0.20	8.16	0.000		2%	100%	0.00
	Jul	7.88	0.20	7.68	0.000		3%	100%	0.00
	Aug	8.13	0.20	7.93	0.000		2%	100%	0.00
	Sep	8.25	0.20	8.05	0.000		2%	100%	0.00
	Oct	8.32	0.20	8.12	0.000		2%	100%	0.00
	Nov	7.97	0.20	7.77	0.000		3%	100%	0.00
	Dec	7.86	0.20	7.66	0.000		3%	100%	0.00
2028	Jan	7.69	0.20	7.49	0.000		3%	100%	0.00
	Feb	7.66	0.20	7.46	0.000		3%	100%	0.00
	Mar	8.02	0.20	7.82	0.000		2%	100%	0.00
	Apr	8.19	0.20	7.99	0.000		2%	100%	0.00
	May	8.57	0.20	8.37	0.000		2%	100%	0.00
	Jun	8.46	0.20	8.26	0.000		2%	100%	0.00
	Jul	7.98	0.20	7.78	0.000		3%	100%	0.00
	Aug	8.23	0.20	8.03	0.000		2%	100%	0.00
	Sep	8.35	0.20	8.15	0.000		2%	100%	0.00
	Oct	8.42	0.20	8.22	0.000		2%	100%	0.00

	Nov	8.07	0.20	7.87	0.000		2%	100%	0.00
	Dec	7.95	0.20	7.75	0.000		3%	100%	0.00
2029	Jan	7.78	0.20	7.58	0.000		3%	100%	0.00
	Feb	7.74	0.20	7.54	0.000		3%	100%	0.00
	Mar	8.11	0.20	7.91	0.000		2%	100%	0.00
	Apr	8.28	0.20	8.08	0.000		2%	100%	0.00
	May	8.66	0.20	8.46	0.000		2%	100%	0.00
	Jun	8.55	0.20	8.35	0.000		2%	100%	0.00
	Jul	8.06	0.20	7.86	0.000		2%	100%	0.00
	Aug	8.32	0.20	8.12	0.000		2%	100%	0.00
	Sep	8.44	0.20	8.24	0.000		2%	100%	0.00
	Oct	8.51	0.20	8.31	0.000		2%	100%	0.00
	Nov	8.16	0.20	7.96	0.000		2%	100%	0.00
	Dec	8.04	0.20	7.84	0.000		2%	100%	0.00
2030	Jan	7.85	0.20	7.65	0.000		3%	100%	0.00
	Feb	7.81	0.20	7.61	0.000		3%	100%	0.00
	Mar	8.19	0.20	7.99	0.000		2%	100%	0.00
	Apr	8.36	0.20	8.16	0.000		2%	100%	0.00
	May	8.75	0.20	8.55	0.000		2%	100%	0.00
	Jun	8.64	0.20	8.44	0.000		2%	100%	0.00
	Jul	8.14	0.20	7.94	0.000		2%	100%	0.00
	Aug	8.40	0.20	8.20	0.000		2%	100%	0.00
	Sep	8.52	0.20	8.32	0.000		2%	100%	0.00
	Oct	8.60	0.20	8.40	0.000		2%	100%	0.00
	Nov	8.24	0.20	8.04	0.000		2%	100%	0.00
	Dec	8.12	0.20	7.92	0.000		2%	100%	0.00

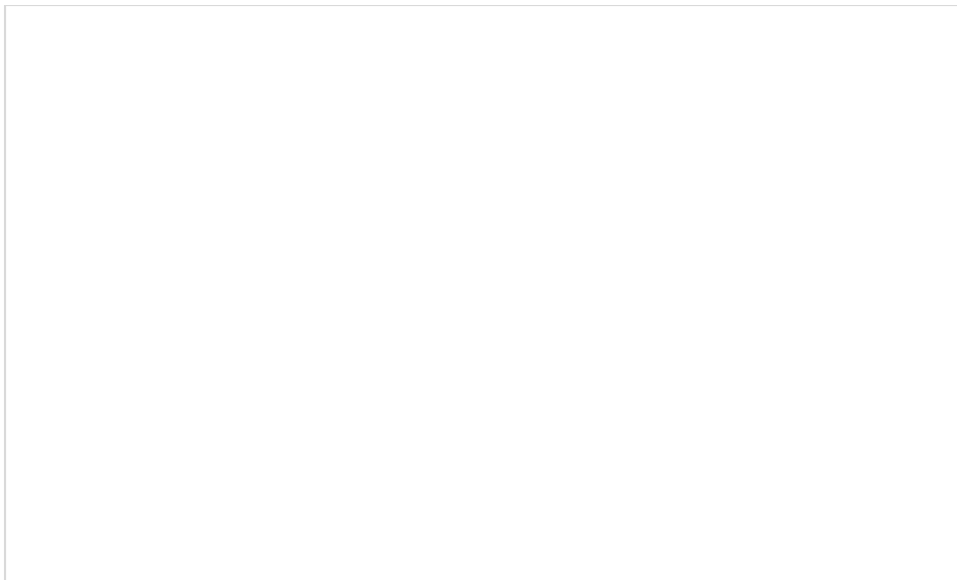
The Peak Demand was forecasted using the 2015 e-ICPM forecasting model and was assumed to occur on the month of June due to hot weather. Also the peak demand occurs on the month of June due to annual Provincial Founding Anniversary celebration. Monthly Peak Demand is at its lowest on the month of January due to cold weather within the province; most households and offices does not use air conditioners and fans. In general, Peak Demand is expected to grow at a rate of 3.21% annually.



The available supply is generally below the Peak Demand. This is because IFELCO contract with SN Aboitiz Power Magat Inc was expired. The supply contract shortage will be address once the Pending PSAs will be approved by ERC.



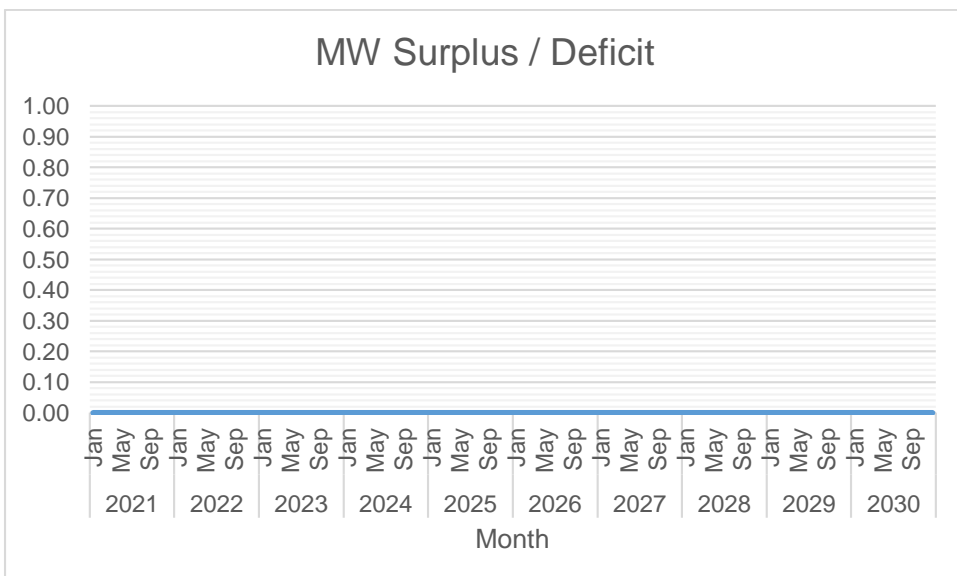
Of the available supply, the largest is 0.82 MW from LGU of Ifugao owned Likud1 Mini-Hydro Power Plant (2015-PLGU Likud1). This is followed by 0.2 MW also from LGU of Ifugao owned Ambangal Mini-Hydro Power Plant (2010-140RC). Once pending PSAs are approved by ERC the PSA from the recently conducted CSP 2021 will be the the largest source of supply of IFELCO.



The first wave of supply procurement will be for 7.5 MW planned to be available by the month of November 2021.



Currently, there is no under-contracting/over contracting by IFELCO. The highest target contracting level is 100% which is expected to occur on November, 2021.



Currently, there is no under-contracting/over contracting by IFELCO. All purchased energy and demand are based on actual metered consumption thus IFELCO are safe from over/under contracting.

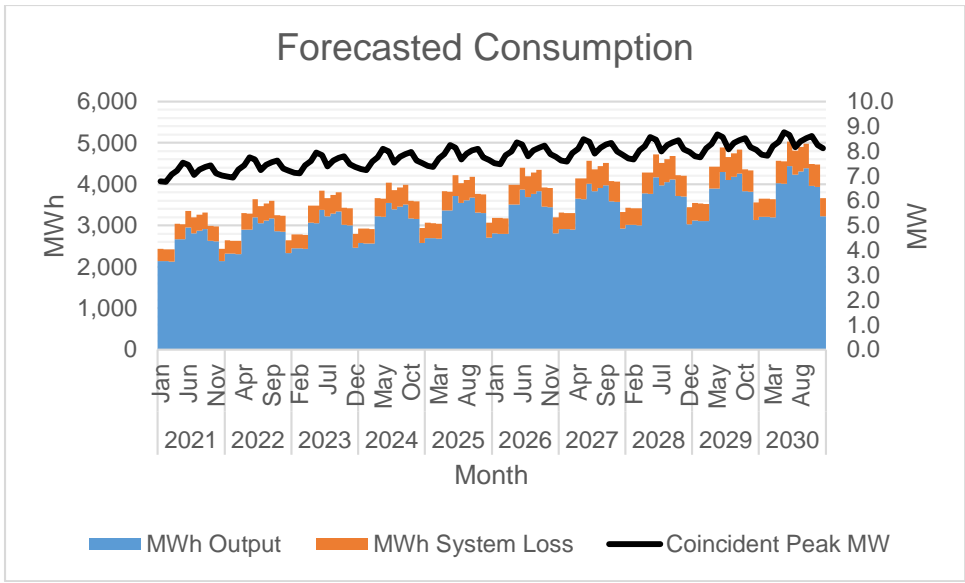
		<b>MWh Offtake</b>	<b>MWh Output</b>	<b>MWh System Loss</b>	<b>Transm'n Loss</b>	<b>System Loss</b>
2021	Jan	2,430	2,138	291	0.00%	11.99%
	Feb	2,424	2,133	291	0.00%	11.99%
	Mar	2,416	2,126	290	0.00%	11.99%
	Apr	3,035	2,671	364	0.00%	11.99%
	May	3,031	2,668	363	0.00%	11.99%
	Jun	3,347	2,946	401	0.00%	11.99%
	Jul	3,196	2,812	383	0.00%	11.99%
	Aug	3,257	2,867	391	0.00%	11.99%
	Sep	3,311	2,914	397	0.00%	11.99%
	Oct	2,988	2,629	358	0.00%	11.99%
	Nov	2,974	2,618	357	0.00%	11.99%
	Dec	2,435	2,143	292	0.00%	11.99%
2022	Jan	2,637	2,321	316	0.00%	11.99%
	Feb	2,631	2,316	315	0.00%	11.99%
	Mar	2,623	2,308	314	0.00%	11.99%
	Apr	3,295	2,900	395	0.00%	11.99%
	May	3,290	2,896	394	0.00%	11.99%
	Jun	3,633	3,198	436	0.00%	11.99%
	Jul	3,469	3,053	416	0.00%	11.99%
	Aug	3,536	3,112	424	0.00%	11.99%
	Sep	3,595	3,164	431	0.00%	11.99%
	Oct	3,243	2,854	389	0.00%	11.99%
	Nov	3,229	2,842	387	0.00%	11.99%
	Dec	2,644	2,327	317	0.00%	11.99%
2023	Jan	2,785	2,451	334	0.00%	11.99%
	Feb	2,778	2,445	333	0.00%	11.99%
	Mar	2,769	2,437	332	0.00%	11.99%
	Apr	3,479	3,062	417	0.00%	11.99%
	May	3,474	3,058	417	0.00%	11.99%
	Jun	3,836	3,376	460	0.00%	11.99%
	Jul	3,663	3,224	439	0.00%	11.99%
	Aug	3,733	3,286	448	0.00%	11.99%
	Sep	3,796	3,341	455	0.00%	11.99%
	Oct	3,425	3,014	411	0.00%	11.99%
	Nov	3,409	3,001	409	0.00%	11.99%
	Dec	2,792	2,457	335	0.00%	11.99%
2024	Jan	2,925	2,575	351	0.00%	11.99%
	Feb	2,919	2,569	350	0.00%	11.99%
	Mar	2,909	2,560	349	0.00%	11.99%
	Apr	3,655	3,216	438	0.00%	11.99%
	May	3,650	3,212	438	0.00%	11.99%
	Jun	4,030	3,547	483	0.00%	11.99%

	Jul	3,848	3,386	461	0.00%	11.99%
	Aug	3,922	3,452	470	0.00%	11.99%
	Sep	3,987	3,509	478	0.00%	11.99%
	Oct	3,597	3,166	431	0.00%	11.99%
	Nov	3,581	3,152	429	0.00%	11.99%
	Dec	2,932	2,581	352	0.00%	11.99%
2025	Jan	3,059	2,693	367	0.00%	11.99%
	Feb	3,052	2,686	366	0.00%	11.99%
	Mar	3,042	2,677	365	0.00%	11.99%
	Apr	3,822	3,364	458	0.00%	11.99%
	May	3,817	3,359	458	0.00%	11.99%
	Jun	4,215	3,709	505	0.00%	11.99%
	Jul	4,024	3,541	482	0.00%	11.99%
	Aug	4,102	3,610	492	0.00%	11.99%
	Sep	4,170	3,670	500	0.00%	11.99%
	Oct	3,762	3,311	451	0.00%	11.99%
	Nov	3,745	3,296	449	0.00%	11.99%
	Dec	3,067	2,699	368	0.00%	11.99%
2026	Jan	3,188	2,805	382	0.00%	11.99%
	Feb	3,180	2,799	381	0.00%	11.99%
	Mar	3,170	2,790	380	0.00%	11.99%
	Apr	3,982	3,505	477	0.00%	11.99%
	May	3,977	3,500	477	0.00%	11.99%
	Jun	4,391	3,865	526	0.00%	11.99%
	Jul	4,192	3,690	503	0.00%	11.99%
	Aug	4,273	3,761	512	0.00%	11.99%
	Sep	4,344	3,824	521	0.00%	11.99%
	Oct	3,920	3,450	470	0.00%	11.99%
	Nov	3,902	3,434	468	0.00%	11.99%
	Dec	3,195	2,812	383	0.00%	11.99%
2027	Jan	3,311	2,914	397	0.00%	11.99%
	Feb	3,303	2,907	396	0.00%	11.99%
	Mar	3,292	2,897	395	0.00%	11.99%
	Apr	4,136	3,640	496	0.00%	11.99%
	May	4,130	3,635	495	0.00%	11.99%
	Jun	4,560	4,014	547	0.00%	11.99%
	Jul	4,354	3,832	522	0.00%	11.99%
	Aug	4,438	3,906	532	0.00%	11.99%
	Sep	4,512	3,971	541	0.00%	11.99%
	Oct	4,071	3,583	488	0.00%	11.99%
	Nov	4,053	3,567	486	0.00%	11.99%
	Dec	3,318	2,921	398	0.00%	11.99%
2028	Jan	3,428	3,017	411	0.00%	11.99%
	Feb	3,420	3,010	410	0.00%	11.99%
	Mar	3,409	3,000	409	0.00%	11.99%
	Apr	4,283	3,769	514	0.00%	11.99%
	May	4,277	3,764	513	0.00%	11.99%
	Jun	4,723	4,156	566	0.00%	11.99%
	Jul	4,509	3,969	541	0.00%	11.99%

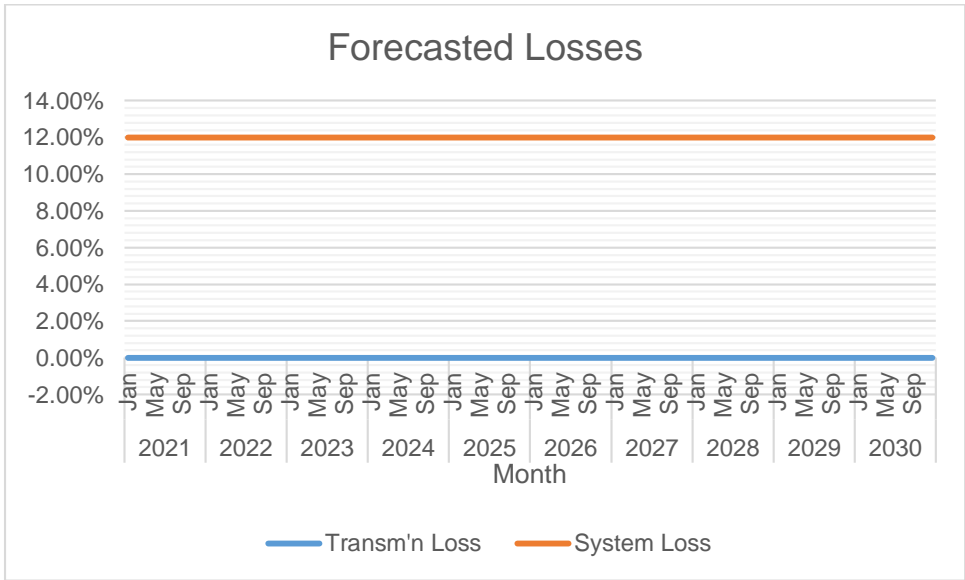
	Aug	4,596	4,045	551	0.00%	11.99%
	Sep	4,673	4,112	560	0.00%	11.99%
	Oct	4,216	3,710	505	0.00%	11.99%
	Nov	4,197	3,694	503	0.00%	11.99%
	Dec	3,437	3,025	412	0.00%	11.99%
2029	Jan	3,542	3,117	425	0.00%	11.99%
	Feb	3,534	3,110	424	0.00%	11.99%
	Mar	3,522	3,100	422	0.00%	11.99%
	Apr	4,425	3,894	531	0.00%	11.99%
	May	4,419	3,889	530	0.00%	11.99%
	Jun	4,879	4,294	585	0.00%	11.99%
	Jul	4,658	4,100	559	0.00%	11.99%
	Aug	4,748	4,179	569	0.00%	11.99%
	Sep	4,827	4,249	579	0.00%	11.99%
	Oct	4,355	3,833	522	0.00%	11.99%
	Nov	4,336	3,816	520	0.00%	11.99%
	Dec	3,550	3,125	426	0.00%	11.99%
2030	Jan	3,651	3,213	438	0.00%	11.99%
	Feb	3,643	3,206	437	0.00%	11.99%
	Mar	3,631	3,195	435	0.00%	11.99%
	Apr	4,561	4,014	547	0.00%	11.99%
	May	4,555	4,009	546	0.00%	11.99%
	Jun	5,030	4,427	603	0.00%	11.99%
	Jul	4,802	4,226	576	0.00%	11.99%
	Aug	4,895	4,308	587	0.00%	11.99%
	Sep	4,976	4,380	597	0.00%	11.99%
	Oct	4,490	3,951	538	0.00%	11.99%
	Nov	4,470	3,934	536	0.00%	11.99%
	Dec	3,660	3,221	439	0.00%	11.99%

MWh Offtake was forecasted using e-ICPM 2015 forecasting model. The assumed load factor is 42.52%.

System Loss was calculated based on forecasted purchase and historical data due to unavailability of Load Flow Study software. Based on the same study, the Distribution System can adequately convey electricity to customers.



MWh Output was expected to grow at a rate of 3.8% annually.



Transmission Loss combined with System Loss is expected to range from 12% or lower. This is on compliance on ERC Resolution No. 20, Series of 2017.



## Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2010-140RC	Base	LGU Ifugao	0.05	100	8/26/2012	08/25/42

The PSA with Ambangal Mini-Hydro Power Plant (AMHPP) filed with ERC under Case No. 2010-140RC was procured through negotiation process. It was selected to provide for base requirements due to the reason that said Mini-Hydro Power Plant are embedded on IFELCO Distribution System thus it lower the generation cost due to the reason that generated energy are injected directly on the IFELCOs line; the coop (IFELCO) saved from paying transmission cost from NGCP. Historically, the utilization of the PSA is 70-100%. Outages of the plant led to unserved energy of around 1483.16 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 3.62 P/kWh to 3.62 P/KWh in the same period.

Power supply of IFELCO at present are sourced from Independent Electricity Market Operator of the Philippines (IEMOP) thru SN Aboitiz due to the reason that IFELCO is an indirect WESM Member.

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2015-PLGU LIKUD1	Base	LGU Ifugao	0.10	1,000	1/1/2021	12/31/2049
IFELCO CSP2021	Base	SN Aboitiz Power - Benguet, Inc.	3.00	32,500	11/26/2021	11/25/2030

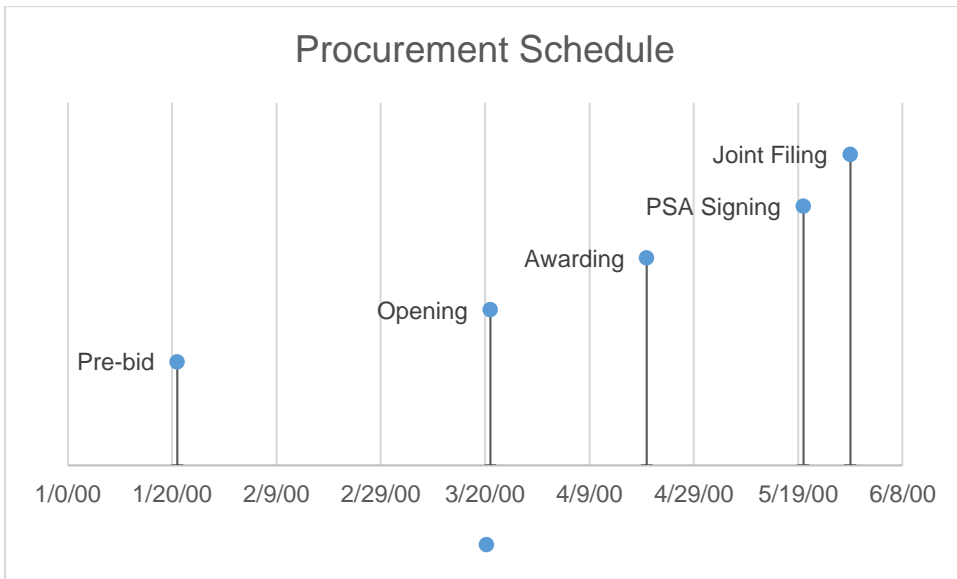
The PSA with SN Aboitiz Power-Benguet Inc. are to be filed with ERC was procured through CSP. It was selected to provide for base requirements due to the proposal of SN Aboitiz Power-Benguet Inc. the one that complies with the requirements during the conducted CSP. IFELCO conducted CSP to minimize exposure to WESM wherein the price is volatile. Presently the PSA of between IFELCO and SN Aboitiz Power Benguet Inc. are under review of regulating government institution and projected to start supplying to IFELCO this November 2021

The PSA with LGU of Ifugao Likud1 MHPP currently filed with ERC (no case number yet) was procured through negotiation process. It was selected to provide for base requirements due to the reason that said Mini-Hydro Power Plant are embedded on IFELCO Distribution System thus it lower the generation cost due to the reason that generated energy are injected directly on the IFELCOs line; the coop (IFELCO) saved from paying transmission cost from NGCP. Historically, the utilization of the PSA is 70-100%. Outages of the plant led to unserved energy of around 3940.79 MWh in the past year. The actual billed overall monthly charge under the PSA is 4.35P/kWh from the start of the operation of the embedded generator up to the present.

For the procurement of 7.5 MW of supply which is planned to be available on November 2021, the first publication or launch of CSP are held last April 14, 2021. Joint filing is delayed due to reviews and revision of the PSA between IFELCO and the winning CSP bidder.

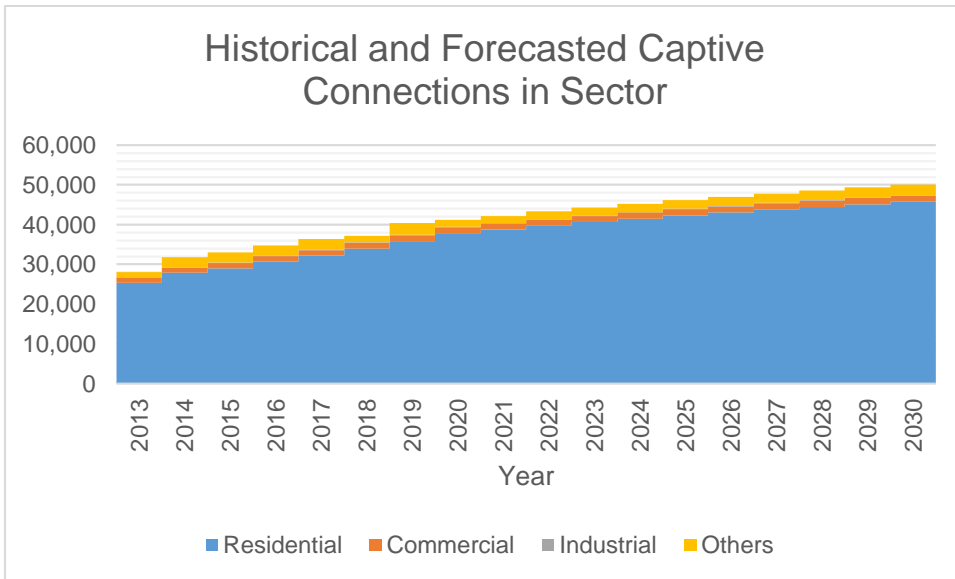
Type
Minimum MW
Minimum MWh/yr
PSA Start
PSA End
Publication

Pre-bid	21
Opening	81
Awarding	111
PSA Signing	141
Joint Filing	150



No scheduled CSP at present and for the succeeding years, however, once there is a sudden change on the demand of IFELCO, the coop is obliging to conduct another CSP.

# Captive Customer Connections



The number of Residential connections is expected to grow at a rate of 1.7% annually. Said customer class is expected to account for 67.83% of the total consumption.