

# **Power Supply Procurement Plan 2021**

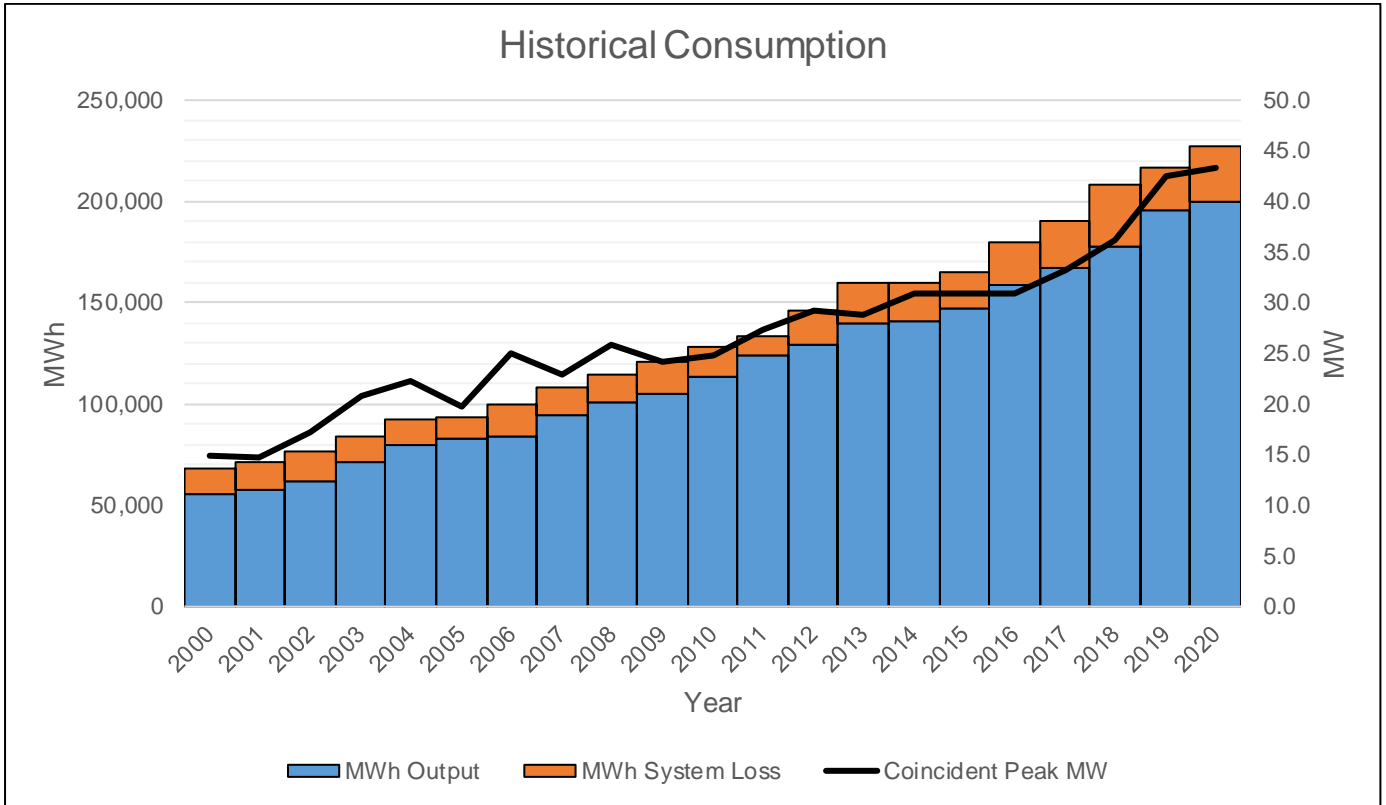


**FIRST BUKIDNON ELECTRIC COOPERATIVE, INC.  
(FIBECO)**

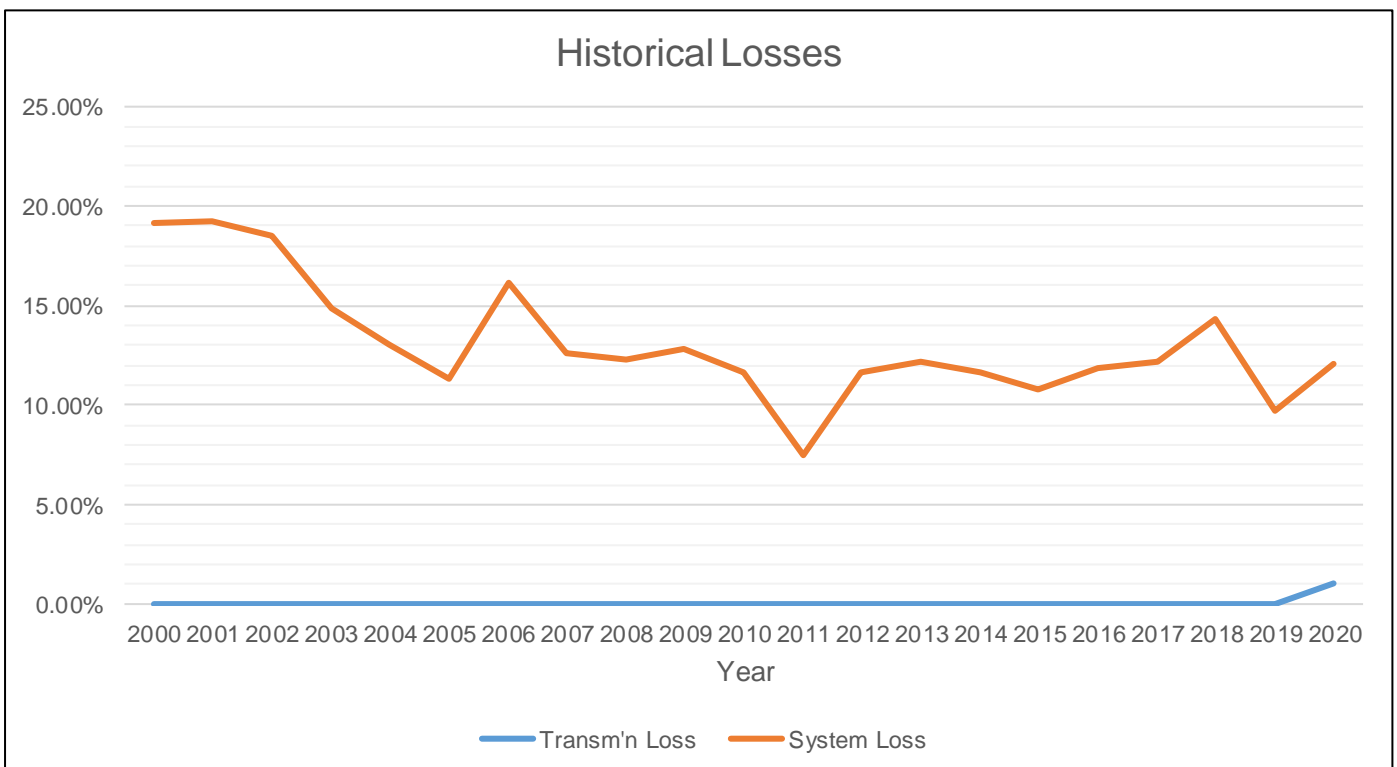
**Historical Consumption Data**

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	14.78	68,160	0	68,160	55,134	13,026	53%	0.00%	0.00%	19.11%
2001	14.70	71,323	0	71,323	57,600	13,723	55%	0.00%	0.00%	19.24%
2002	17.25	76,296	0	76,296	62,198	14,098	51%	0.00%	0.00%	18.48%
2003	20.83	83,356	0	83,356	70,987	12,369	46%	0.00%	0.00%	14.84%
2004	22.32	91,917	0	91,917	79,912	12,005	47%	0.00%	0.00%	13.06%
2005	19.71	93,628	0	93,628	83,036	10,592	54%	0.00%	0.00%	11.31%
2006	24.93	99,966	0	99,966	83,870	16,096	46%	0.00%	0.00%	16.10%
2007	22.93	107,952	0	107,952	94,320	13,632	54%	0.00%	0.00%	12.63%
2008	25.76	114,606	0	114,606	100,553	14,053	51%	0.00%	0.00%	12.26%
2009	24.06	120,293	0	120,293	104,895	15,398	57%	0.00%	0.00%	12.80%
2010	24.81	128,652	0	128,652	113,643	15,009	59%	0.00%	0.00%	11.67%
2011	27.35	133,557	0	133,557	123,562	9,995	56%	0.00%	0.00%	7.48%
2012	29.30	146,393	0	146,393	129,399	16,993	57%	0.00%	0.00%	11.61%
2013	28.80	159,562	0	159,562	140,043	19,519	63%	0.00%	0.00%	12.23%
2014	30.94	159,730	0	159,730	141,054	18,676	59%	0.00%	0.00%	11.69%
2015	30.95	164,917	0	164,917	147,176	17,741	61%	0.00%	0.00%	10.76%
2016	31.00	180,198	0	180,198	158,827	21,371	66%	0.00%	0.00%	11.86%
2017	33.15	189,800	0	189,800	166,668	23,132	65%	0.00%	0.00%	12.19%
2018	36.24	207,860	0	207,860	178,134	29,726	65%	0.00%	0.00%	14.30%
2019	42.50	216,671	0	216,671	195,686	20,985	58%	0.00%	0.00%	9.69%
2020	43.31	229,240	0	226,856	199,455	27,401	60%	0.00%	1.04%	12.08%

Peak Demand increased from 14.78 MW in 2000 to 43.31 MW in 2020 at a rate of 4.85% on the average due to increasing consumer demand. MWh Offtake increased from 68,160 MWh in 2000 to 227,707 MWh in 2020 at a rate of 5.82% due to increasing load demand. Within the same period, Load Factor ranged from 46% to 66%. There was an abrupt change in consumption on 2016 due to increasing number of consumer connection. MWh Input data were based on the NGCP Metered Quantity.

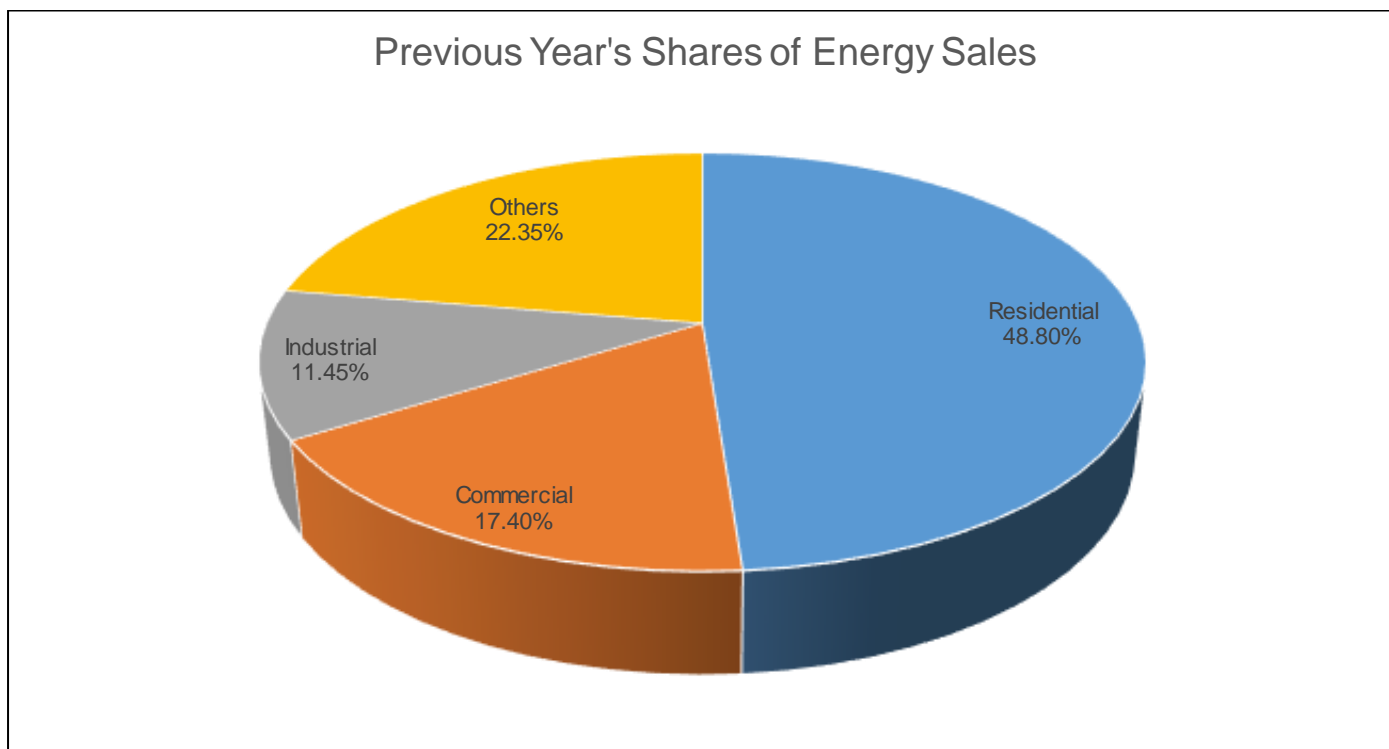


MWh Output increased from year 2000 to year 2020 at a rate of 5.85% on the average, while MWh System Loss increased at a rate of 1.27% on the average within the same period. MWh Sales on 2020 particularly on the Low Voltage consumers decreased due to the pandemic but increased in the MWh Sales on Residential Consumers. For Wholesale consumers, COTELCO and Bumbaran were both on single metering. For Bumbaran, there is no available data for the number and type of consumers. Effective October 25, 2021, COTELCO will no longer be a consumer of FIBECO.

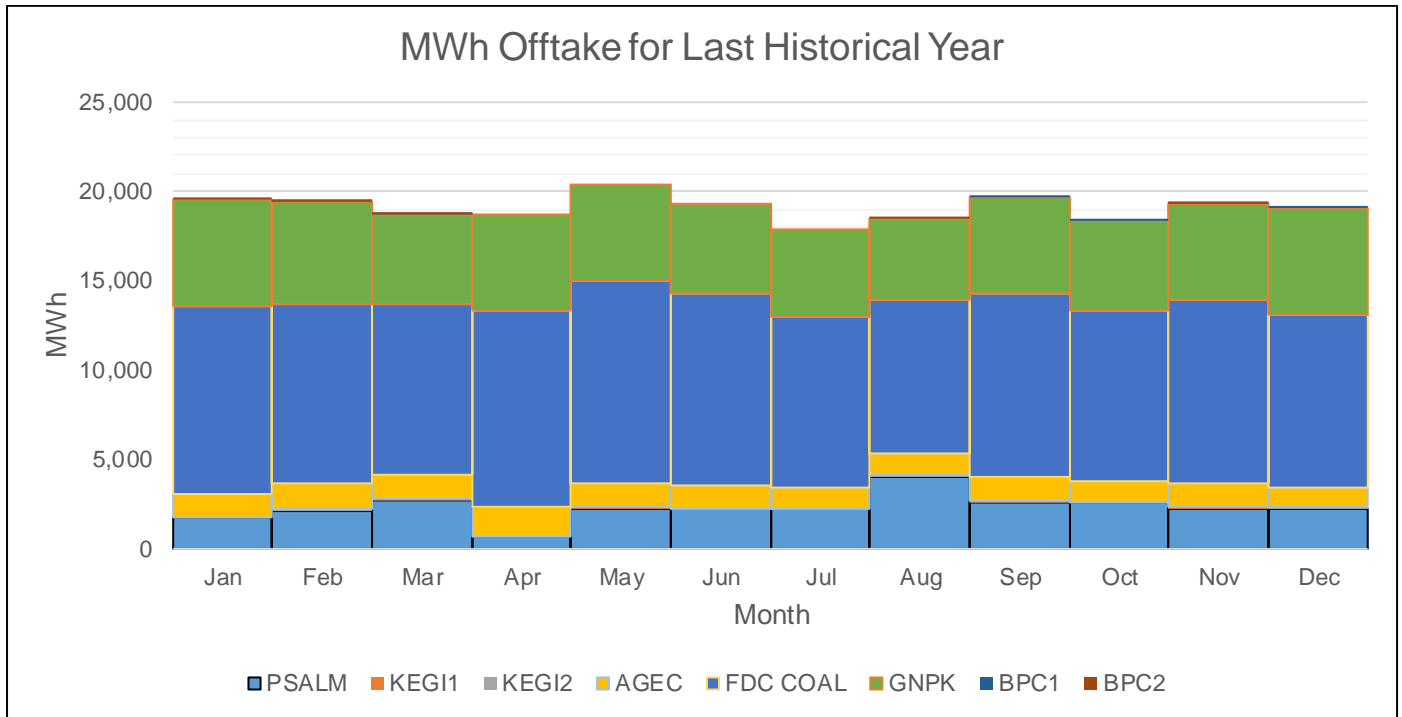


## 2021 FIBECO PSPP

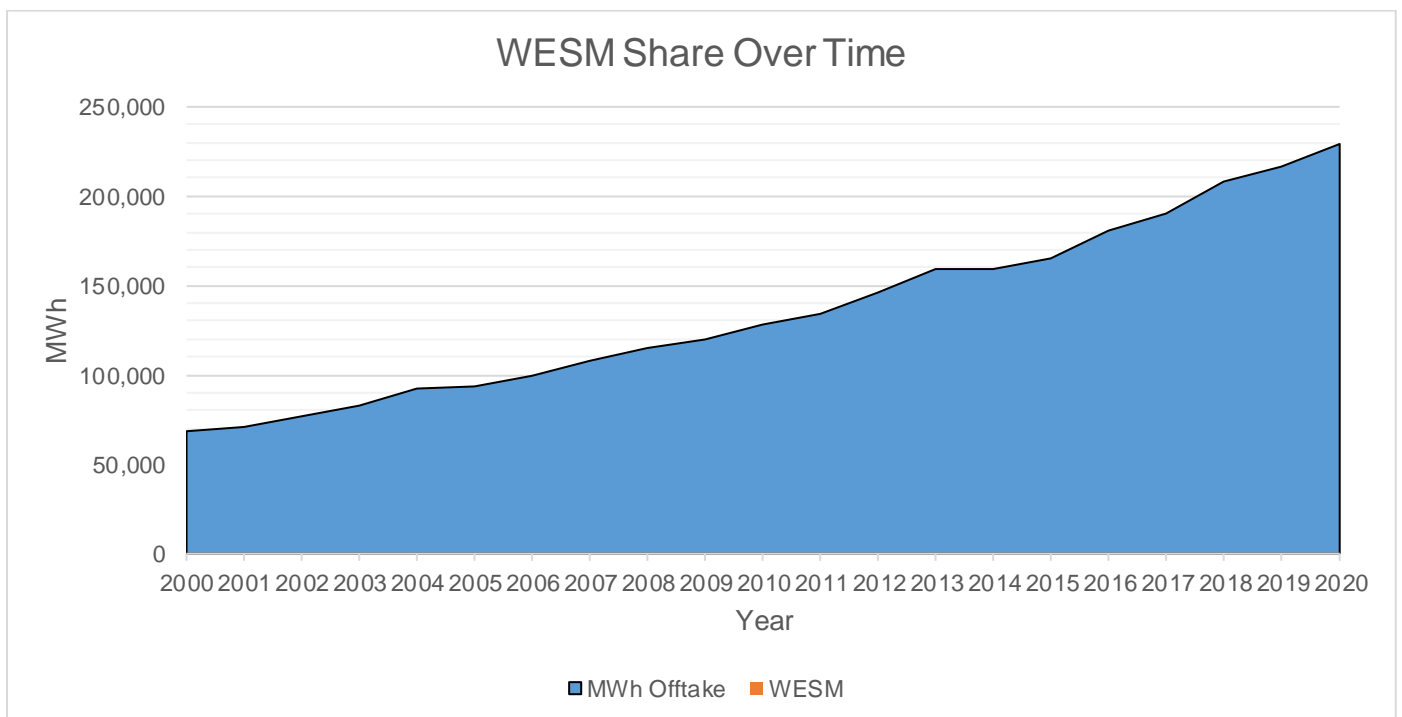
Historically, Transmission Loss ranged from 0% to 0.37% while System Loss ranged from 7.48% to 19.24%. Transmission Loss peaked at 1.04% on year 2020 because of the distance of the power suppliers to the metering point of FIBECO. System Loss peaked at 19.24% on year 2001 because of the higher technical and non-technical losses. Data provided on System Loss were from Feeder Technical Loss and Non-Technical Loss and Substation Loss only since the Sub-transmission Losses were not available.



Residential customers account for the bulk of energy sales at 48.80% due to the high number of connections. In contrast, LV-Industrial customers accounted for only 11.45% of energy sales due to the low number of connections. COTELCO is an HV-Wholesale Customer of FIBECO even before the EPIRA took effect on June 2001 and it is to be terminated on October 25, 2021. Bumbaran is also a Wholesale Customer and on Single Metering, thus, the number of connections is not available.

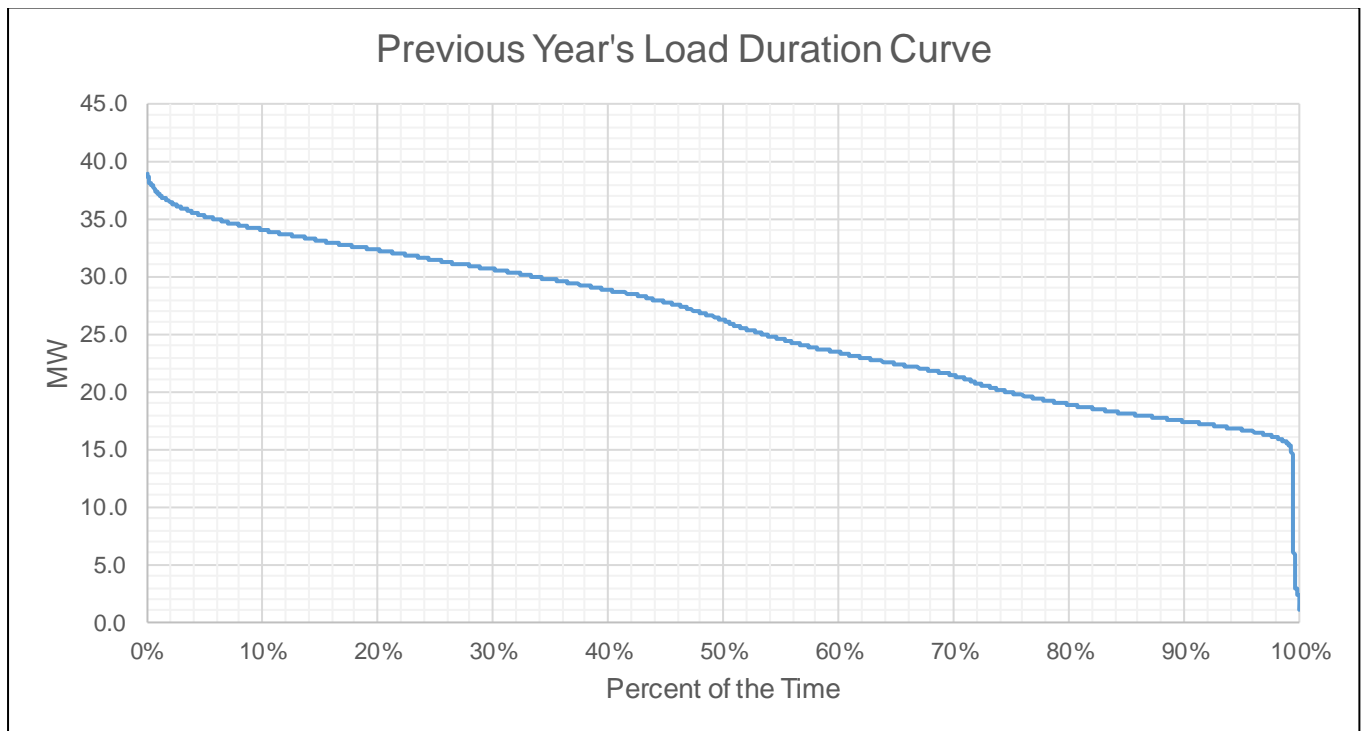


For both GNPk and FDC-Misamis, the total Offtake for the last historical year is lower than the quantity stipulated in the PSA. The PSA with GNPk and FDC-Misamis account for the bulk of MWh Offtake. Based on the data provided, FIBECO has an excess contracted capacity but managed to be billed only on the quantity delivered by the generators. The actual billed quantity was based on the nominated quantity. The CSEE with PSALM has yet to comply with the COE-CSP under the Section 2 of the DOE DC No. 2018-02-0003.

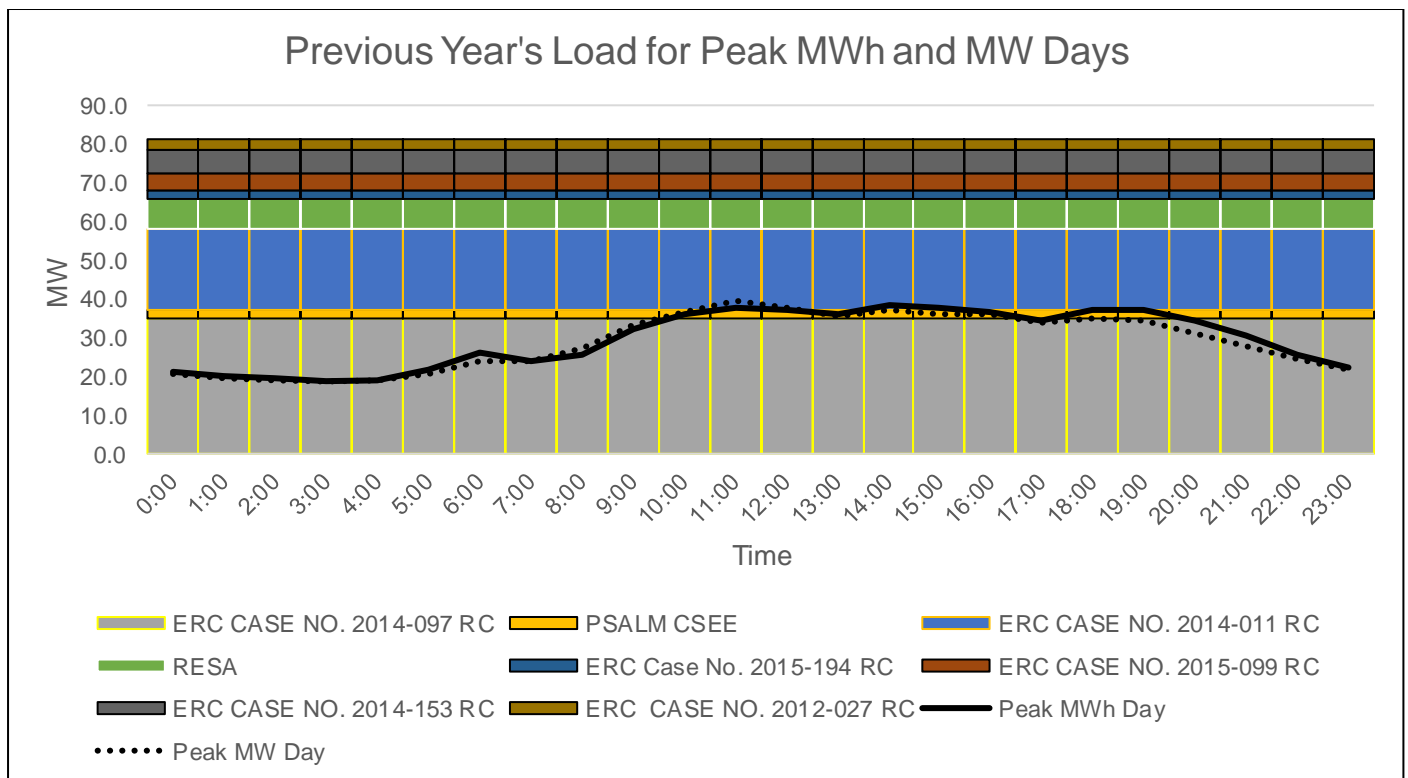


WESM Offtake has no effect from 0 MWh in 2000 to 0 MWh in 2020 at a rate of 0% due to non-operation of WESM in Mindanao. The share of WESM in the total Offtake ranged from 0% to 0%. The net WESM transaction is negative from 0 to 0 because WESM is not operational. Once the WESM will be available and operational in Mindanao, FIBECO will then adjust and amend its PSPP.

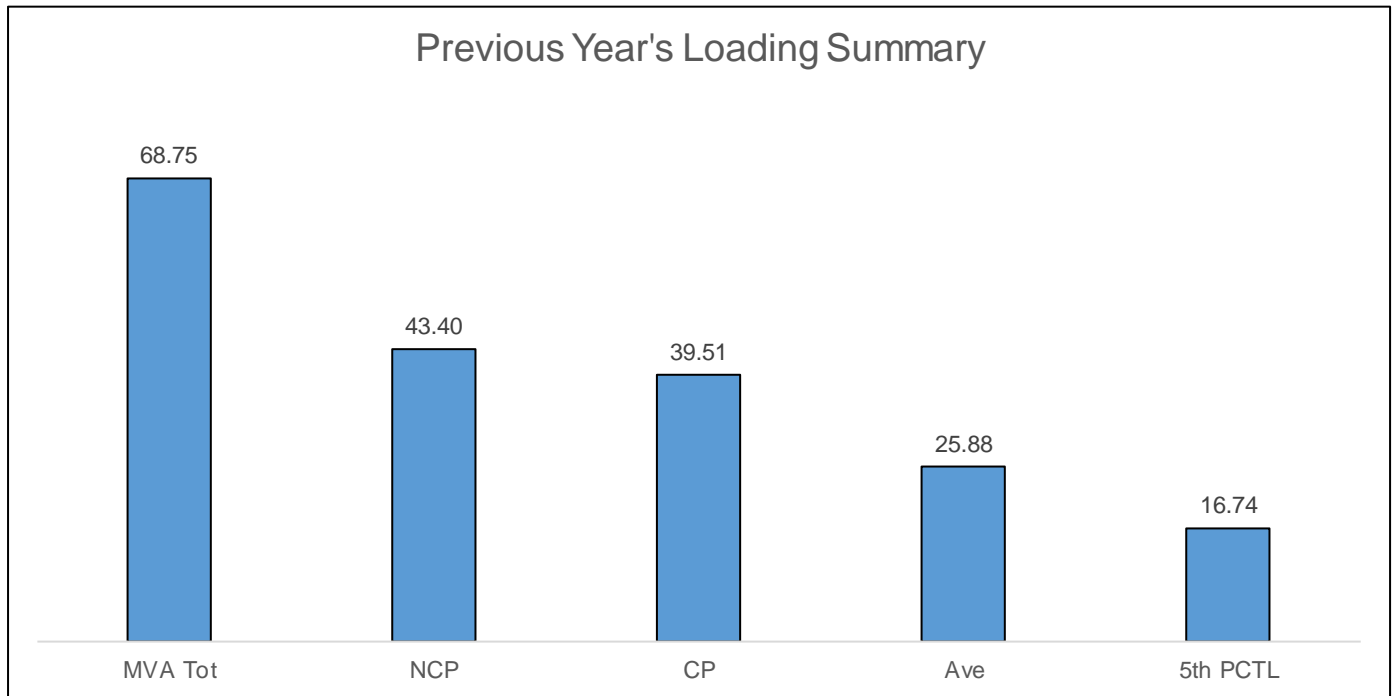
## Previous Year's Load Profile



Based on the Load Duration Curve, the minimum load is 1.10 MW during a Transmission Line outage and the maximum load is 39.51MW for the last historical year.



Peak MW occurred on 11:00 in the morning due to increasing supply demand. Peak daily MWh occurred on 19:00 in the evening due to increasing consumption of the Residential Consumers. As shown in the Load Curves, the available supply is higher than the Peak Demand.



The Non-coincident Peak Demand is 43.40 MW, which is around 63.13% of the total substation capacity of 68.75 MVA at a power factor of 55%.

Metering Point	Substation MVA	Substation Peak MW
M 1	12.5	7.57
M 2	12.5	8.02
M 3	12.5	7.76
M 4	6.25	4.39
M 5	18.75	11.26
M 6	6.25	4.40

The substations loaded at above 70% are M4 and M6. This loading problem will be solved by installation of additional capacity which will address the said problem on increasing load demand.

## 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	47	57.40	24.00	0.000		123%	174%	34.57
	Feb	47	57.40	24.00	0.000		122%	173%	34.30
	Mar	47	57.40	24.00	0.000		121%	171%	33.91
	Apr	48	57.40	24.00	0.000		120%	170%	33.48
	May	48	57.40	24.00	0.000		119%	168%	33.05
	Jun	49	57.40	24.00	0.000		118%	167%	32.70
	Jul	49	57.40	24.00	0.000		117%	166%	32.23
	Aug	50	57.40	24.00	0.000		116%	164%	31.86
	Sep	50	57.40	24.00	0.000		115%	163%	31.43
	Oct	50	57.40	24.00	0.000		114%	161%	30.96
	Nov	51	57.40	24.00	0.000		113%	160%	30.61
	Dec	51	57.40	24.00	0.000		113%	160%	30.43
2022	Jan	50	49.40	24.00	0.000		99%	147%	23.42
	Feb	50	49.40	24.00	0.000		98%	146%	23.13
	Mar	51	49.40	24.00	0.000		97%	145%	22.72
	Apr	51	49.40	24.00	0.000		97%	144%	22.26
	May	52	49.40	24.00	0.000		96%	142%	21.79
	Jun	52	49.40	24.00	0.000		95%	141%	21.42
	Jul	52	49.40	24.00	0.000		94%	140%	20.92
	Aug	53	49.40	24.00	0.000		93%	139%	20.53
	Sep	53	49.40	21.00	0.000		93%	132%	17.06
	Oct	54	49.40	21.00	0.000		92%	131%	16.57
	Nov	54	49.40	21.00	0.000		91%	130%	16.20
	Dec	54	49.40	21.00	0.000		91%	129%	16.00
2023	Jan	53	47.40	26.50	0.000		89%	139%	20.72
	Feb	53	47.40	26.50	0.000		89%	138%	20.42
	Mar	54	47.40	26.50	0.000		88%	137%	19.98
	Apr	54	47.40	26.50	0.000		87%	136%	19.49
	May	55	47.40	26.50	0.000		86%	135%	18.99
	Jun	55	47.40	26.50	0.000		86%	134%	18.60
	Jul	56	47.40	26.50	0.000		85%	132%	18.06
	Aug	56	47.40	26.50	0.000		84%	131%	17.65
	Sep	57	47.40	26.50	0.000		84%	130%	17.15
	Oct	57	47.40	26.50	0.000		83%	129%	16.63
	Nov	58	47.40	26.50	0.000		82%	128%	16.23
	Dec	58	47.40	26.50	0.000		82%	128%	16.03
2024	Jan	56	47.40	27.90	0.000		84%	133%	18.89
	Feb	57	47.40	27.90	0.000		84%	133%	18.57
	Mar	57	47.40	27.90	0.000		83%	132%	18.10
	Apr	58	47.40	27.90	0.000		82%	130%	17.59
	May	58	47.40	27.90	0.000		81%	129%	17.06
	Jun	59	47.40	27.90	0.000		81%	128%	16.64



2021 FIBECO PSPP

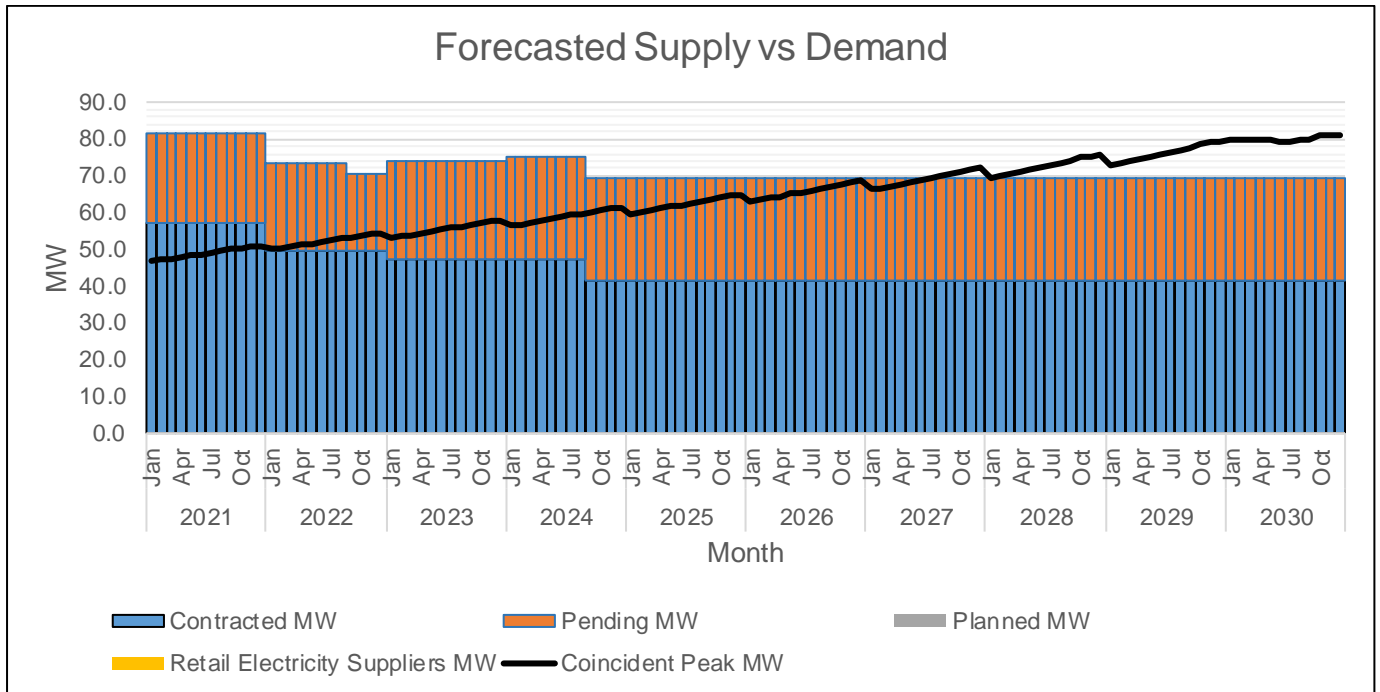
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Jul	59	47.40	27.90	0.000		80%	127%	16.07
	Aug	60	47.40	27.90	0.000		79%	126%	15.63
	Sep	60	41.40	27.90	0.000		69%	115%	9.10
	Oct	61	41.40	27.90	0.000		68%	114%	8.55
	Nov	61	41.40	27.90	0.000		68%	113%	8.13
	Dec	61	41.40	27.90	0.000		67%	113%	7.91
2025	Jan	60	41.40	27.90	0.000		69%	116%	9.63
	Feb	60	41.40	27.90	0.000		69%	115%	9.29
	Mar	61	41.40	27.90	0.000		68%	115%	8.80
	Apr	61	41.40	27.90	0.000		68%	114%	8.25
	May	62	41.40	27.90	0.000		67%	112%	7.70
	Jun	62	41.40	27.90	0.000		67%	112%	7.25
	Jul	63	41.40	27.90	0.000		66%	111%	6.65
	Aug	63	41.40	27.90	0.000		66%	110%	6.18
	Sep	64	41.40	27.90	0.000		65%	109%	5.63
	Oct	64	41.40	27.90	0.000		64%	108%	5.04
	Nov	65	41.40	27.90	0.000		64%	107%	4.60
	Dec	65	41.40	27.90	0.000		64%	107%	4.36
2026	Jan	63	41.40	27.90	0.000		66%	110%	6.36
	Feb	63	41.40	27.90	0.000		65%	109%	6.00
	Mar	64	41.40	27.90	0.000		65%	109%	5.48
	Apr	64	41.40	27.90	0.000		64%	108%	4.91
	May	65	41.40	27.90	0.000		64%	107%	4.32
	Jun	65	41.40	27.90	0.000		63%	106%	3.85
	Jul	66	41.40	27.90	0.000		63%	105%	3.21
	Aug	67	41.40	27.90	0.000		62%	104%	2.72
	Sep	67	41.40	27.90	0.000		62%	103%	2.14
	Oct	68	41.40	27.90	0.000		61%	102%	1.51
	Nov	68	41.40	27.90	0.000		61%	102%	1.05
	Dec	68	41.40	27.90	0.000		60%	101%	0.80
2027	Jan	66	41.40	27.90	0.000		63%	105%	3.08
	Feb	67	41.40	27.90	0.000		62%	104%	2.70
	Mar	67	41.40	27.90	0.000		62%	103%	2.15
	Apr	68	41.40	27.90	0.000		61%	102%	1.55
	May	68	41.40	27.90	0.000		61%	101%	0.93
	Jun	69	41.40	27.90	0.000		60%	101%	0.44
	Jul	70	41.40	27.90	0.000		60%	100%	-0.23
	Aug	70	41.40	27.90	0.000		59%	99%	-0.75
	Sep	71	41.40	27.90	0.000		59%	98%	-1.36
	Oct	71	41.40	27.90	0.000		58%	97%	-2.02
	Nov	72	41.40	27.90	0.000		58%	97%	-2.51
	Dec	72	41.40	27.90	0.000		57%	96%	-2.77
2028	Jan	69	41.40	27.90	0.000		60%	100%	-0.20
	Feb	70	41.40	27.90	0.000		59%	99%	-0.60
	Mar	70	41.40	27.90	0.000		59%	98%	-1.17

2021 FIBECO PSPP

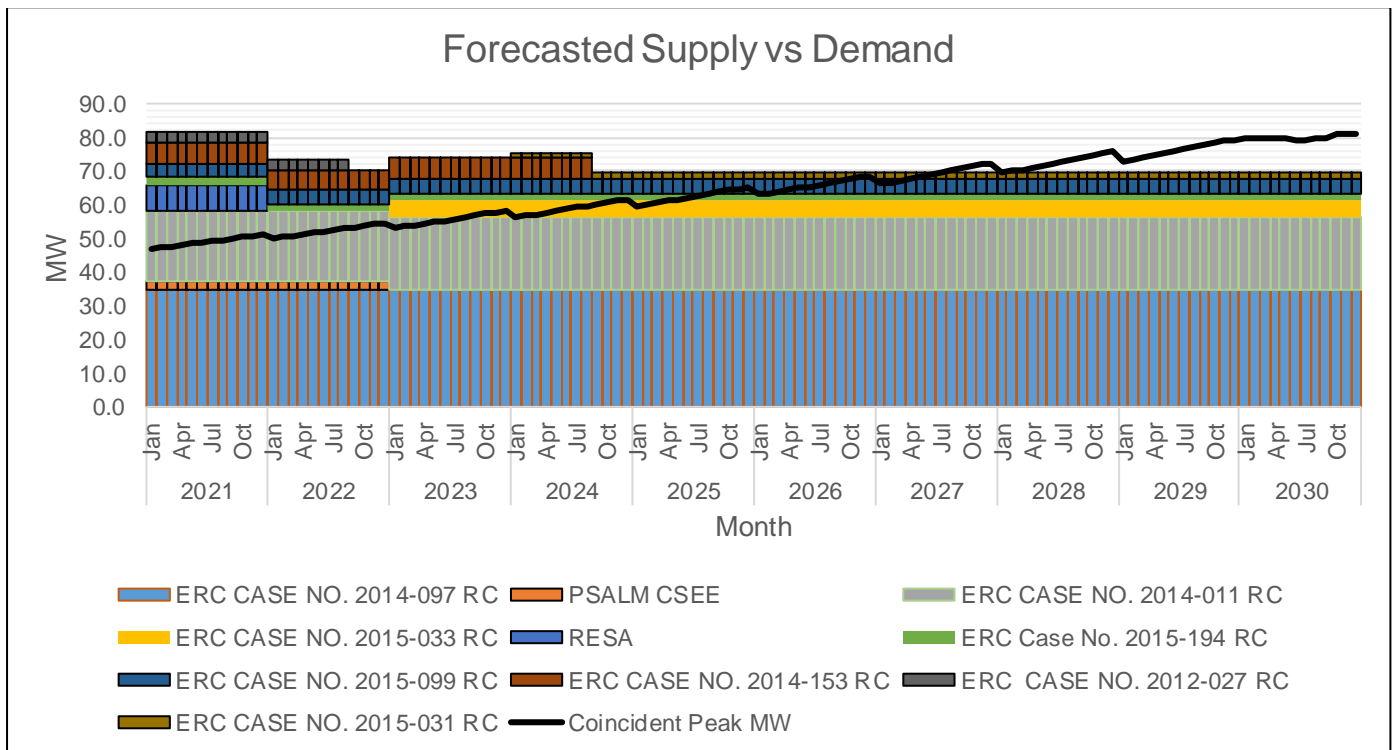
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Apr	71	41.40	27.90	0.000		58%	97%	-1.80
	May	72	41.40	27.90	0.000		58%	97%	-2.45
	Jun	72	41.40	27.90	0.000		57%	96%	-2.97
	Jul	73	41.40	27.90	0.000		57%	95%	-3.67
	Aug	74	41.40	27.90	0.000		56%	94%	-4.21
	Sep	74	41.40	27.90	0.000		56%	93%	-4.86
	Oct	75	41.40	27.90	0.000		55%	93%	-5.55
	Nov	75	41.40	27.90	0.000		55%	92%	-6.07
	Dec	76	41.40	27.90	0.000		55%	92%	-6.33
2029	Jan	73	41.40	27.90	0.000		57%	95%	-3.47
	Feb	73	41.40	27.90	0.000		57%	95%	-3.88
	Mar	74	41.40	27.90	0.000		56%	94%	-4.49
	Apr	74	41.40	27.90	0.000		56%	93%	-5.15
	May	75	41.40	27.90	0.000		55%	92%	-5.83
	Jun	76	41.40	27.90	0.000		55%	92%	-6.37
	Jul	76	41.40	27.90	0.000		54%	91%	-7.10
	Aug	77	41.40	27.90	0.000		54%	90%	-7.67
	Sep	78	41.40	27.90	0.000		53%	89%	-8.35
	Oct	78	41.40	27.90	0.000		53%	88%	-9.07
	Nov	79	41.40	27.90	0.000		52%	88%	-9.61
	Dec	79	41.40	27.90	0.000		52%	88%	-9.89
2030	Jan	80	41.40	27.90	0.000		52%	87%	-10.70
	Feb	80	41.40	27.90	0.000		52%	87%	-10.70
	Mar	80	41.40	27.90	0.000		52%	87%	-10.70
	Apr	80	41.40	27.90	0.000		52%	87%	-10.70
	May	80	41.40	27.90	0.000		52%	87%	-10.70
	Jun	79	41.40	27.90	0.000		52%	88%	-9.70
	Jul	79	41.40	27.90	0.000		52%	88%	-9.70
	Aug	80	41.40	27.90	0.000		52%	87%	-10.70
	Sep	80	41.40	27.90	0.000		52%	87%	-10.70
	Oct	81	41.40	27.90	0.000		51%	86%	-11.70
	Nov	81	41.40	27.90	0.000		51%	86%	-11.70
	Dec	81	41.40	27.90	0.000		51%	86%	-11.70

The Peak Demand was forecasted using linear logarithm c model and was assumed to occur on the month of December due to increased demand during the Holidays. Monthly Peak Demand is at its lowest on the month of January due to lower demand after Holidays. In general, Peak Demand is expected to grow at a rate of 6.36% annually.

2021 FIBECO PSPP

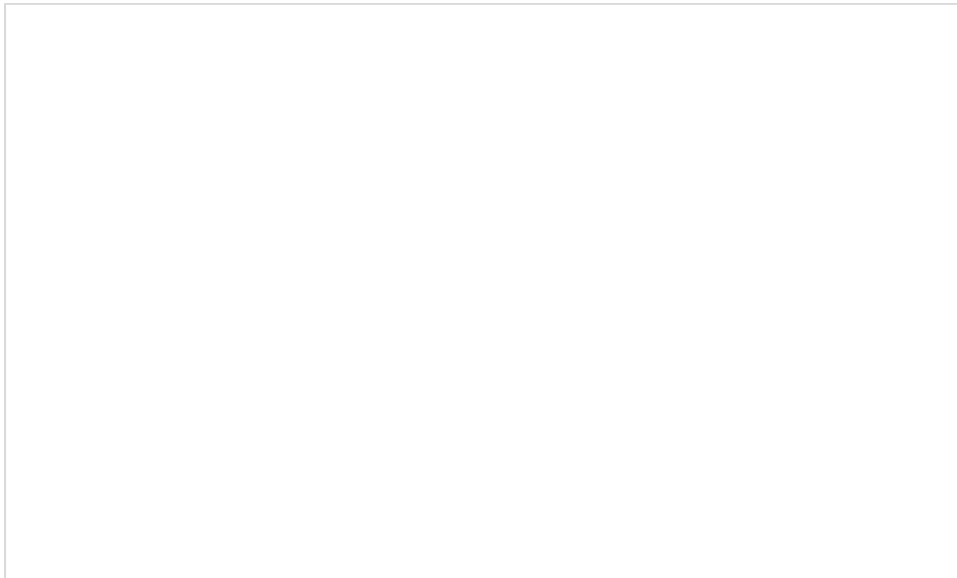


The available supply is generally above the Peak Demand. This is because FIBECO has a higher contracted capacity above its peak demand.

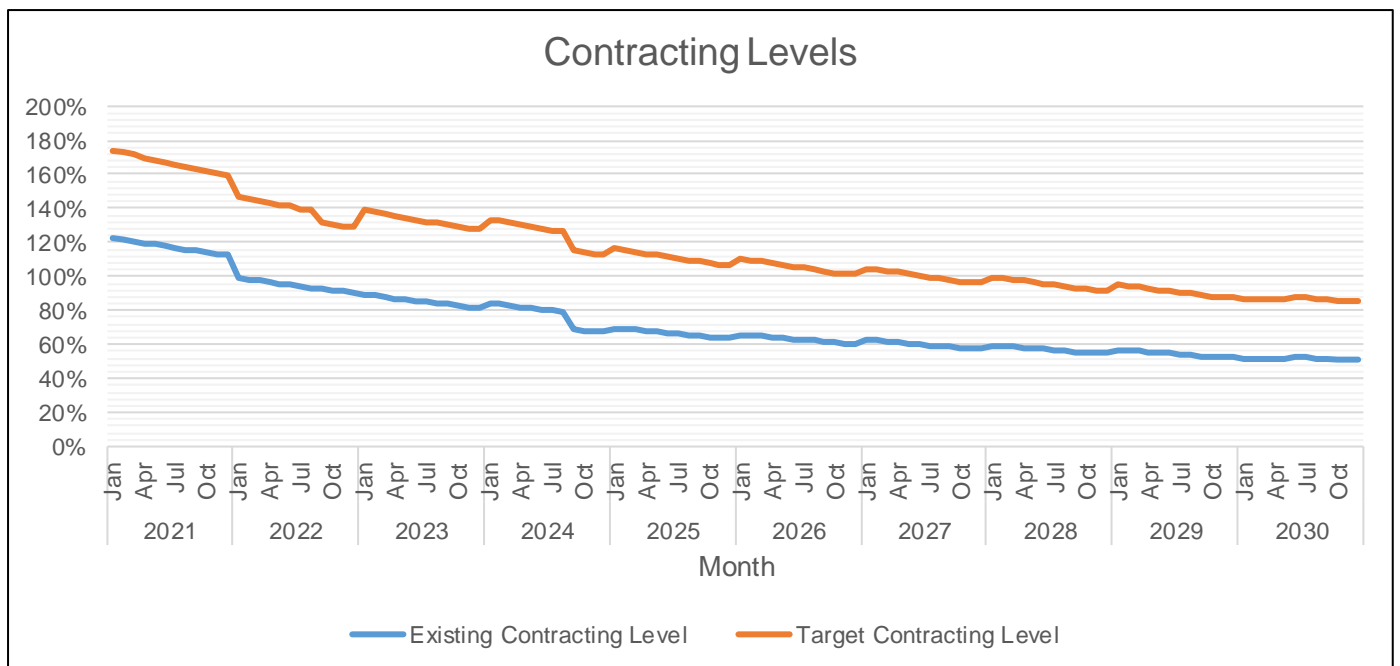


Of the available supply, the largest is 35 MW from FDC-Misamis Corporation. This is followed by 21.57 MW from GNPowder Kauswagan ,LTD.

2021 FIBECO PSPP

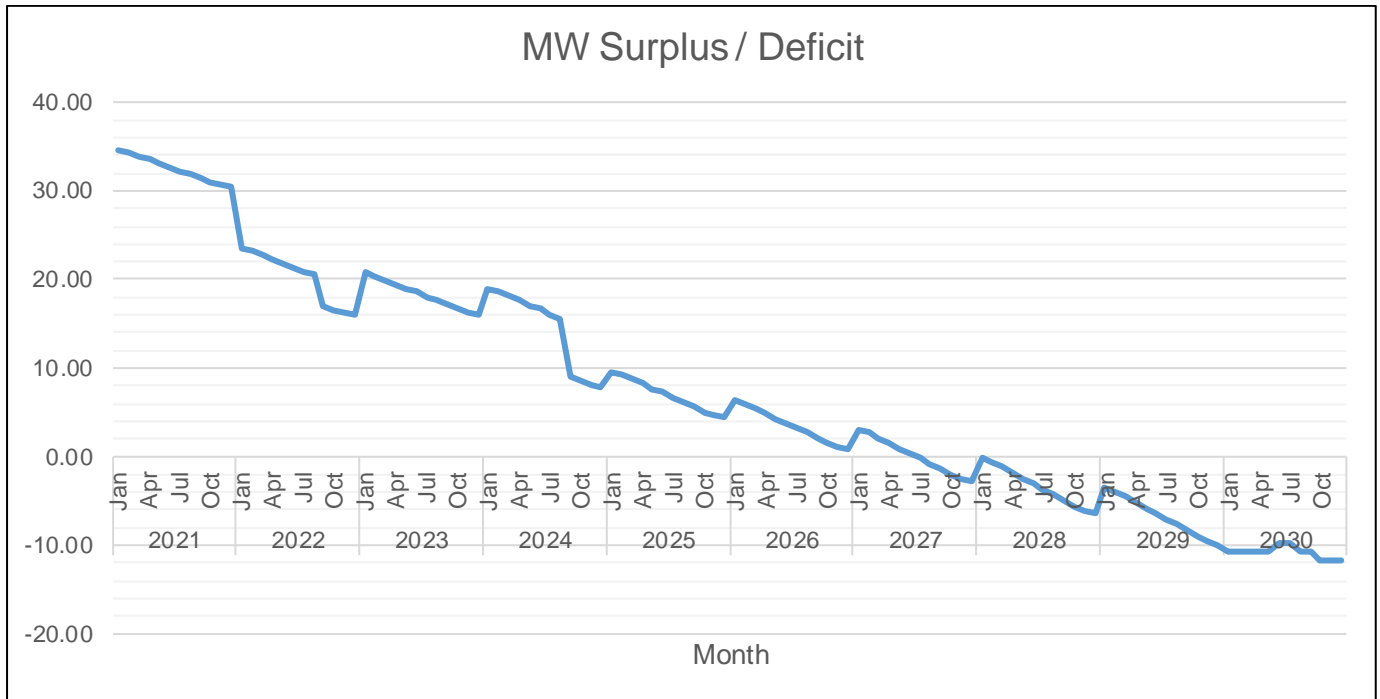


No schedule as of the present time. Based on the historical and forecasted data, FIBECO has adequate supply until 2027. For now, FIBECO will still conduct a study on the impact of the COVID-19 Pandemic to its operation.



Currently, there is over-contracting by 123%. The highest target contracting level is 174% which is expected to occur on January 2021. The lowest target contracting level is 60% which is expected to occur on July 2027.

2021 FIBECO PSPP



Currently, there is over-contracting by 34.57 MW. The highest surplus is 34.57 MW which is expected to occur on the month of January 2021. The lowest deficit is 11.70 MW which is expected to occur on the month of December 2030.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2021	Jan	22,595	17,944	2,751	8.41%	13.29%
	Feb	22,201	17,746	2,555	8.56%	12.59%
	Mar	21,485	17,146	2,439	8.84%	12.45%
	Apr	22,055	18,291	1,864	8.61%	9.25%
	May	22,137	18,207	2,030	8.58%	10.03%
	Jun	22,397	18,078	2,419	8.48%	11.80%
	Jul	22,448	17,688	2,860	8.46%	13.92%
	Aug	23,613	18,716	2,997	8.05%	13.80%
	Sep	23,295	18,423	2,972	8.16%	13.89%
	Oct	23,440	18,393	3,147	8.11%	14.61%
	Nov	23,244	18,570	2,774	8.17%	13.00%
	Dec	23,707	19,056	2,751	8.01%	12.62%
2022	Jan	24,002	19,235	2,844	8.01%	12.88%
	Feb	23,583	19,016	2,644	8.16%	12.21%
	Mar	22,815	18,376	2,516	8.43%	12.04%
	Apr	23,426	19,617	1,886	8.21%	8.77%
	May	23,513	19,536	2,054	8.18%	9.51%
	Jun	23,790	19,387	2,480	8.08%	11.34%
	Jul	23,845	18,955	2,967	8.07%	13.53%
	Aug	25,087	20,057	3,107	7.67%	13.41%
	Sep	24,050	19,745	3,083	5.08%	13.51%
	Oct	24,203	19,713	3,267	5.05%	14.22%
	Nov	23,994	19,906	2,866	5.09%	12.59%

2021 FIBECO PSPP

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Dec	24,487	20,439	2,825	5.00%	12.14%
2023	Jan	28,038	20,640	3,031	15.57%	12.80%
	Feb	27,587	20,403	2,818	15.83%	12.14%
	Mar	26,766	19,719	2,679	16.32%	11.96%
	Apr	27,420	21,065	1,989	15.92%	8.63%
	May	27,514	20,988	2,159	15.87%	9.33%
	Jun	27,810	20,818	2,626	15.70%	11.20%
	Jul	27,869	20,333	3,168	15.67%	13.48%
	Aug	29,201	21,515	3,319	14.95%	13.36%
	Sep	27,639	21,183	3,291	11.45%	13.45%
	Oct	27,805	21,155	3,482	11.39%	14.13%
	Nov	27,579	21,361	3,052	11.48%	12.50%
	Dec	28,108	21,949	2,993	11.26%	12.00%
2024	Jan	28,563	22,160	3,236	11.09%	12.74%
	Feb	28,080	21,901	3,010	11.28%	12.08%
	Mar	27,198	21,174	2,857	11.64%	11.89%
	Apr	27,901	22,633	2,100	11.35%	8.49%
	May	28,000	22,562	2,272	11.31%	9.15%
	Jun	28,319	22,369	2,785	11.17%	11.07%
	Jul	28,382	21,823	3,391	11.16%	13.45%
	Aug	29,811	23,091	3,554	10.62%	13.34%
	Sep	29,423	22,737	3,518	10.77%	13.40%
	Oct	29,600	22,715	3,717	10.70%	14.06%
	Nov	29,359	22,937	3,254	10.79%	12.42%
	Dec	29,926	23,581	3,178	10.58%	11.88%
2025	Jan	30,361	23,794	3,399	10.43%	12.50%
	Feb	29,843	23,515	3,160	10.61%	11.85%
	Mar	28,899	22,741	2,992	10.95%	11.63%
	Apr	29,652	24,322	2,163	10.68%	8.17%
	May	29,759	24,258	2,335	10.64%	8.78%
	Jun	30,099	24,037	2,896	10.52%	10.75%
	Jul	30,167	23,423	3,576	10.50%	13.24%
	Aug	31,697	24,779	3,750	9.99%	13.14%
	Sep	31,282	24,408	3,707	10.12%	13.19%
	Oct	31,471	24,393	3,910	10.07%	13.81%
	Nov	31,213	24,632	3,415	10.14%	12.18%
	Dec	31,821	25,338	3,316	9.95%	11.57%
2026	Jan	32,347	25,540	3,639	9.79%	12.47%
	Feb	31,791	25,243	3,380	9.96%	11.81%
	Mar	30,778	24,417	3,194	10.29%	11.57%
	Apr	31,586	26,130	2,289	10.03%	8.05%
	May	31,700	26,075	2,458	9.99%	8.61%
	Jun	32,066	25,824	3,075	9.88%	10.64%
	Jul	32,138	25,134	3,838	9.85%	13.25%
	Aug	33,780	26,586	4,028	9.37%	13.16%

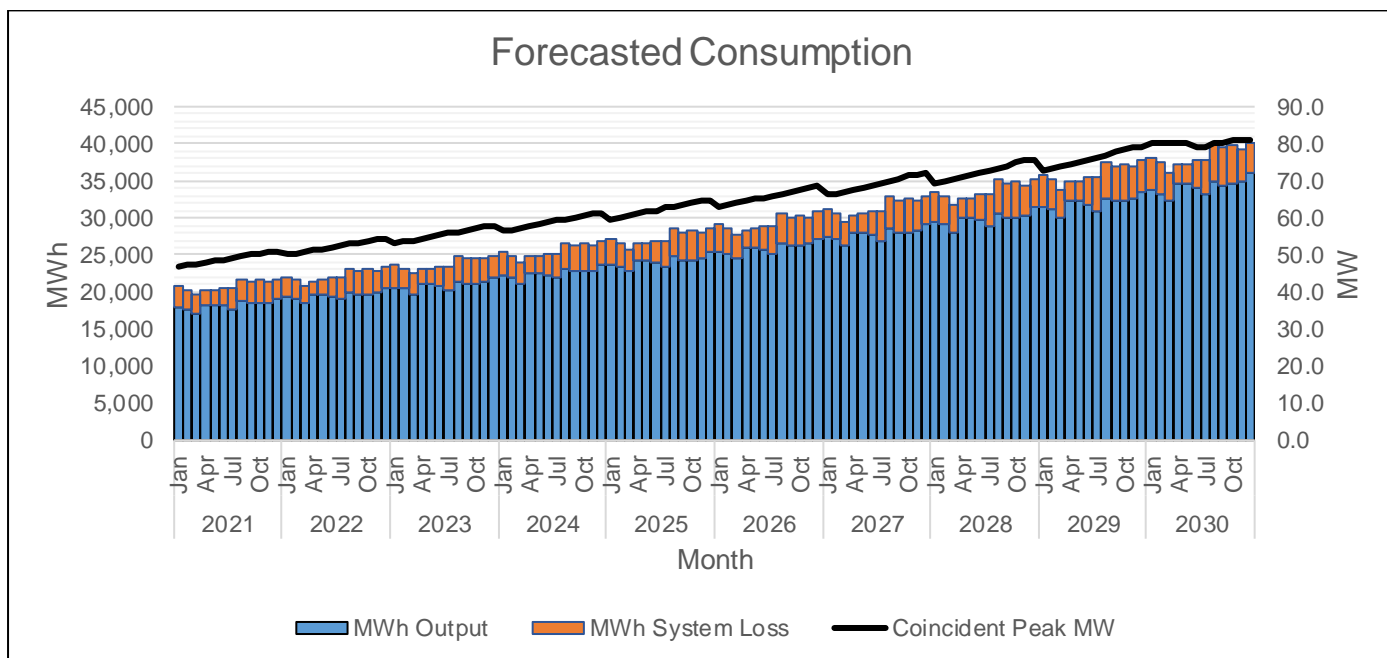
2021 FIBECO PSPP

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Sep	33,335	26,193	3,974	9.50%	13.17%
	Oct	33,537	26,188	4,183	9.44%	13.77%
	Nov	33,261	26,447	3,649	9.51%	12.12%
	Dec	33,913	27,216	3,530	9.34%	11.48%
2027	Jan	34,404	27,400	3,836	9.21%	12.28%
	Feb	33,809	27,083	3,559	9.37%	11.61%
	Mar	32,725	26,202	3,355	9.68%	11.35%
	Apr	33,588	28,059	2,365	9.42%	7.77%
	May	33,712	28,013	2,531	9.40%	8.29%
	Jun	34,103	27,730	3,206	9.29%	10.36%
	Jul	34,180	26,954	4,060	9.26%	13.09%
	Aug	35,938	28,506	4,266	8.81%	13.02%
	Sep	35,462	28,096	4,199	8.93%	13.00%
	Oct	35,679	28,101	4,411	8.88%	13.57%
	Nov	35,383	28,378	3,839	8.95%	11.92%
	Dec	36,080	29,215	3,698	8.78%	11.24%
2028	Jan	36,602	29,372	4,063	8.65%	12.15%
	Feb	35,964	29,035	3,762	8.81%	11.47%
	Mar	34,804	28,100	3,538	9.10%	11.18%
	Apr	35,729	30,104	2,457	8.87%	7.55%
	May	35,861	30,072	2,622	8.83%	8.02%
	Jun	36,280	29,754	3,360	8.73%	10.15%
	Jul	36,363	28,883	4,315	8.70%	13.00%
	Aug	38,243	30,539	4,538	8.28%	12.94%
	Sep	37,734	30,111	4,456	8.39%	12.89%
	Oct	37,966	30,129	4,670	8.34%	13.42%
	Nov	37,649	30,426	4,055	8.41%	11.76%
	Dec	38,396	31,336	3,894	8.24%	11.05%
2029	Jan	38,919	31,456	4,296	8.14%	12.02%
	Feb	38,238	31,100	3,971	8.28%	11.32%
	Mar	36,998	30,105	3,725	8.56%	11.01%
	Apr	37,986	32,269	2,550	8.34%	7.32%
	May	38,128	32,252	2,708	8.31%	7.75%
	Jun	38,576	31,894	3,514	8.21%	9.92%
	Jul	38,664	30,919	4,578	8.19%	12.90%
	Aug	40,675	32,687	4,822	7.78%	12.86%
	Sep	40,130	32,240	4,723	7.89%	12.78%
	Oct	40,378	32,273	4,937	7.84%	13.27%
	Nov	40,040	32,597	4,278	7.90%	11.60%
	Dec	40,838	33,577	4,094	7.75%	10.87%
2030	Jan	41,354	33,652	4,535	7.66%	11.88%
	Feb	40,626	33,278	4,183	7.79%	11.17%
	Mar	39,302	32,222	3,914	8.05%	10.83%
	Apr	40,358	34,555	2,644	7.83%	7.11%
	May	40,508	34,553	2,788	7.82%	7.47%

2021 FIBECO PSPP

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
	Jun	40,986	34,153	3,666	7.73%	9.69%
	Jul	41,081	33,066	4,849	7.71%	12.79%
	Aug	43,229	34,947	5,114	7.33%	12.77%
	Sep	42,647	34,484	4,995	7.43%	12.65%
	Oct	42,912	34,535	5,209	7.38%	13.11%
	Nov	42,550	34,879	4,504	7.44%	11.44%
	Dec	43,404	35,939	4,296	7.30%	10.68%

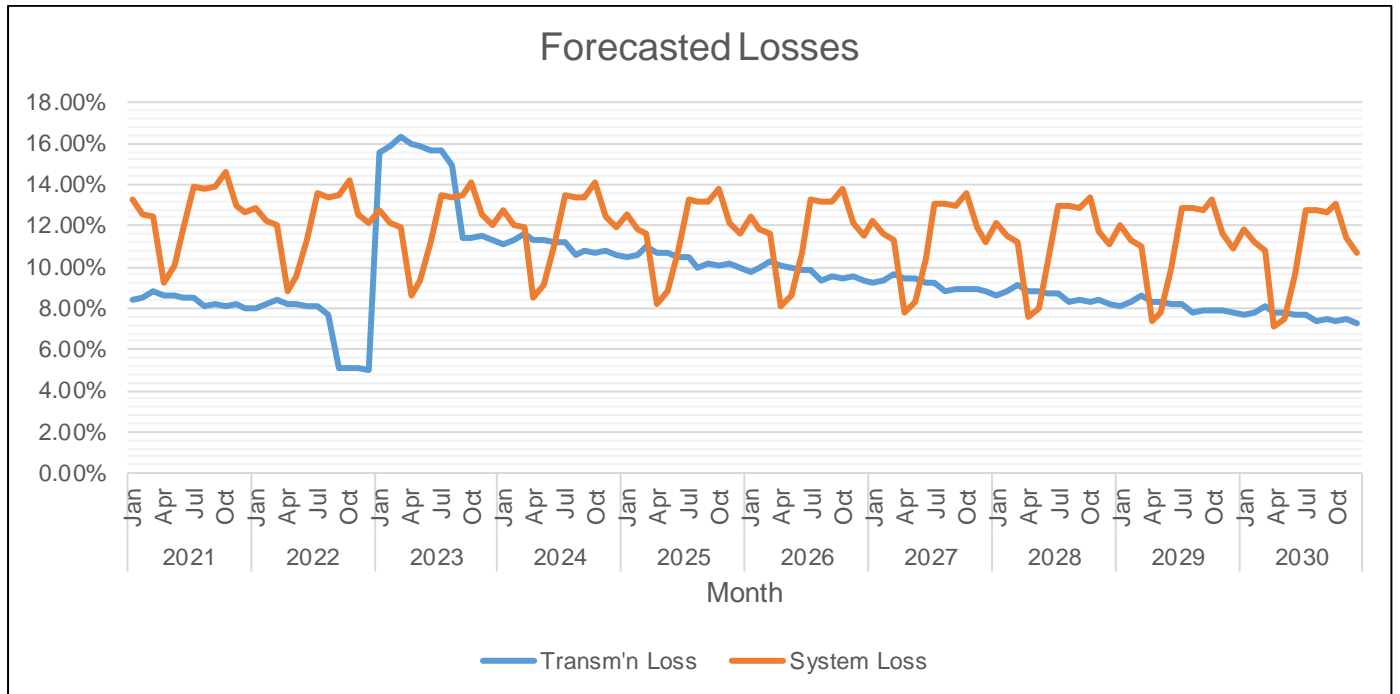
MWh Offtake was forecasted using Quadratic Logarithmic (1 variable).



MWh Output was expected to grow at a rate of 6.77% annually on the average.



2021 FIBECO PSPP



Transmission Loss is expected to range from 4.91% to 16.25% while System Loss is expected to range from 7.32% to 14.61%.

**Power Supply**

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
ERC Case No. 2105-194 RC	Peaking	Bukidnon Power Corporation	2.00		3/1/2017	3/1/2031
ERC CASE NO. 2015-099 RC	Peaking	Bukidnon Power Corporation	4.40		2/1/2016	2/1/2030
RESA	Intermediate	Asian Greenenergy Corporation	8.00	14,438	3/1/2017	12/1/2022
ERC CASE NO. 2014-153 RC	Peaking	King Energy Generation, Inc.	6.00		8/1/2015	8/31/2023
ERC CASE NO. 2014-097 RC	Base	FDC Misamis Power Corporation	35.00	306,000	8/1/2016	8/1/2037
PSALM CSEE	Base	Power Sector Assets and Liabilities Management Corporation	2.00	17,520	1/1/2021	12/31/2022

1. The PSA with Bukidnon Power Corporation filed with ERC under Case No. 2015-194 RC was provisionally approved on August 31, 2017. The contracted capacity is 2MW. Its contract with FIBECO is from March 1, 2017 and will end on March 1, 2031.
2. The PSA with Bukidnon Power Corporation filed with ERC under Case No. 2015-099 RC was approved on August 27, 2015. The contracted capacity is 4.40MW. Its contract with FIBECO is from February 1, 2016 and will end on February 1, 2030.
3. The RESA with Asian Greenenergy Corporation (AGEC) filed with ERC was contracted through Renewable Energy Supply Agreement. Contracted capacity is 8MW and 14,438 MWh as minimum contracted energy.
4. The PSA with King Energy Generation, Inc. filed with ERC under Case No. 2014-153 RC was approved on January 12, 2017. Contracted capacity is 6MW. Its contract with FIBECO is from August 1, 2015 to August 1, 2023.
5. The PSA with FDC Misamis Power Corporation filed with ERC under Case No. 2014-097 RC was approved on May 24, 2018. Contracted capacity is 35MW with 306,000 MWh as minimum contracted energy. Its contract with FIBECO is from August 1, 2016 and will end on August 1, 2037.
6. The CSEE between FIBECO and PSALM is renewable annually and has yet to comply with the COE-CSP under the Section 2 of the DOE DC No. 2018-02-0003.

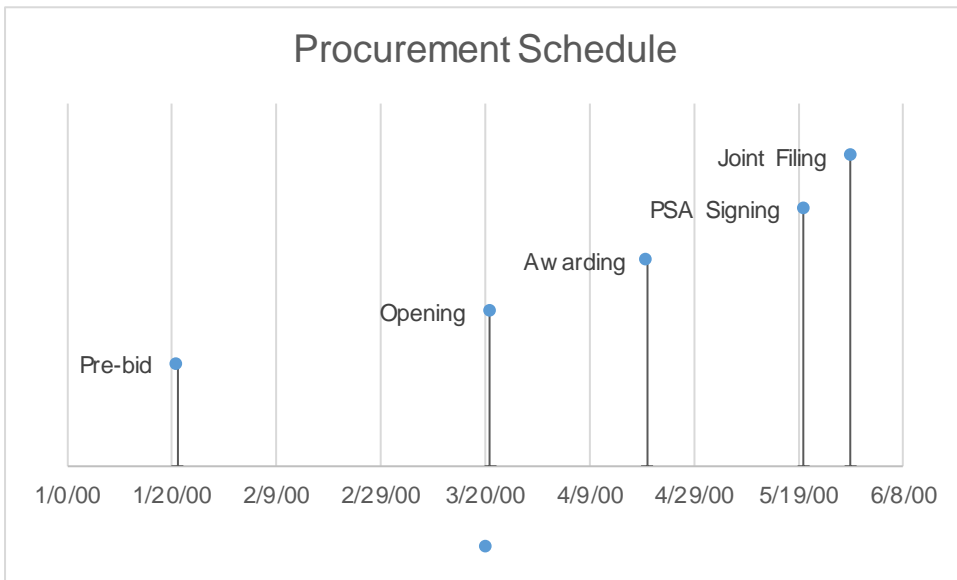
2021 FIBECO PSPP

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
ERC CASE NO. 2014-011RC	Base	GN Power Kauswagan Ltd.	21.00	165,560	5/1/2019	5/1/2037
ERC CASE NO. 2012-027 RC	Peaking	King Energy Generation, Inc.	3.00		8/1/2012	8/1/2021
ERC CASE NO. 2015-033 RC	Base	Other	5.50	31,220	8/1/2022	8/1/2037
ERC CASE NO. 2015-031 RC	Peaking	Other	1.40	6,500	1/1/2023	1/1/2037

1. The PSA with GN Power Kauswagan Ltd. filed with ERC under Case No. 2014-011 RC was approved on May 28, 2014. Contracted capacity is 21.57MW with 165,560MWh as minimum contracted energy. Its contract with FIBECO is from May 1, 2019 and will end on May 1, 2037.
2. The PSA with King Energy Generation, Inc. filed with ERC under Case No. 2012-027 RC was approved on July 23, 2012. Contracted capacity is 3.2MW. Its contract with FIBECO is from August 1, 2012 and will end on August 1, 2021.
3. The PSA with OTHER (UHPC-BHPI) filed with ERC under Case No. 2015-039 RC was approved on July 9, 2015. Contracted capacity is 5.50MW with 31,220MWh as minimum contracted energy. Its contract with FIBECO will be from August 1, 2022 to August 1, 2037.
4. The PSA with OTHER (MMHPC) filed with ERC under Case No. 2015-031 RC was approved on June 16, 2015. Contracted capacity is 1.40MW with 6,500MWh as minimum contracted energy. Its contract with FIBECO will be from January 1, 2023 to January 1, 2037.

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

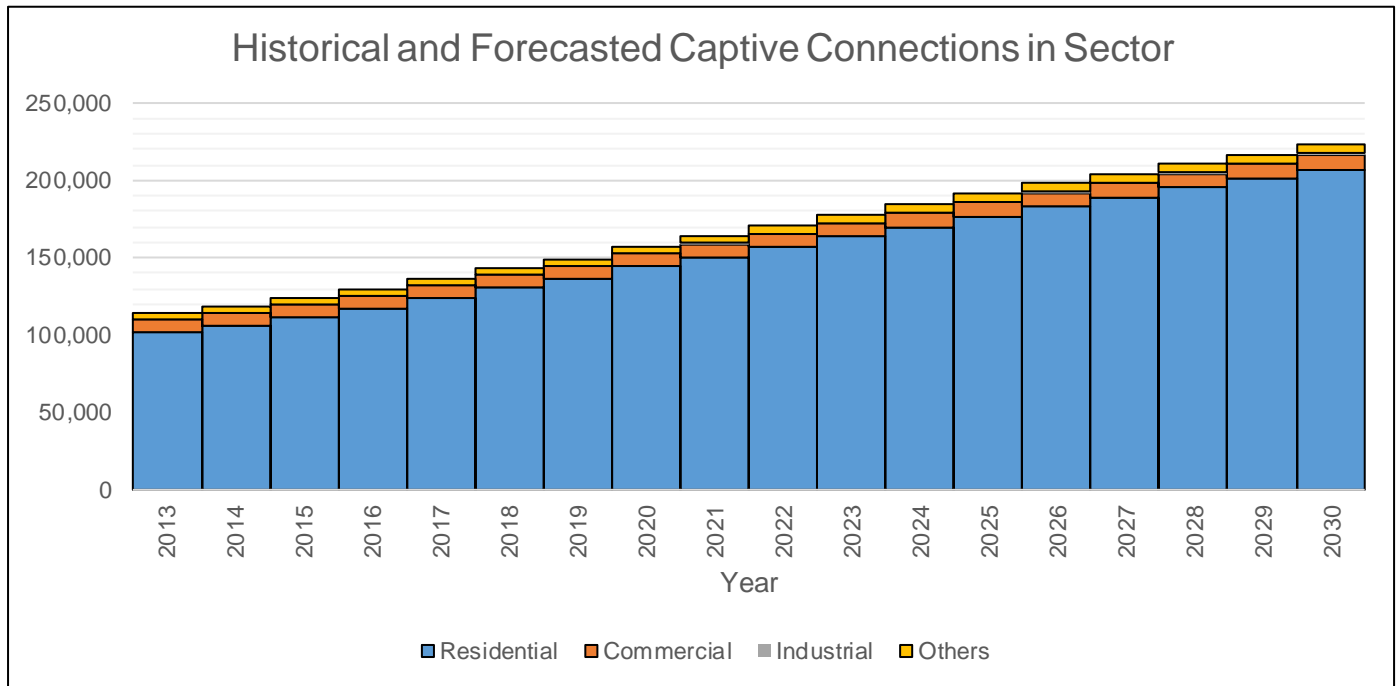
Pre-bid	21
Opening	81
Awarding	111
PSA Signing	141
Joint Filing	150



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

FIBECO has no planned procurement in the present time.

## Captive Customer Connections



The number of Residential connections is expected to grow at a rate of 4.83% annually. Said customer class is expected to account for 48.80% of the total consumption.