

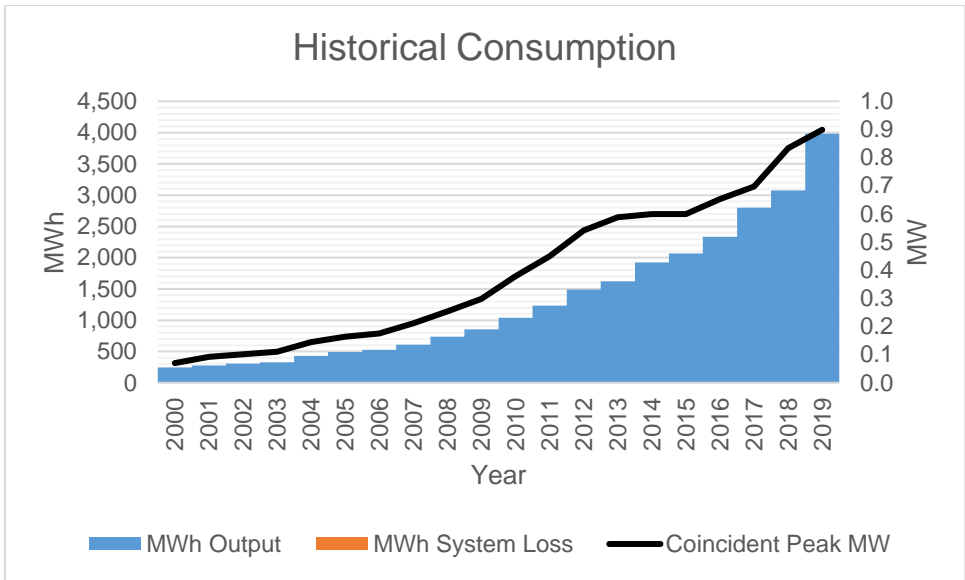
Power Supply Procurement Plan 2020

Semirara Island

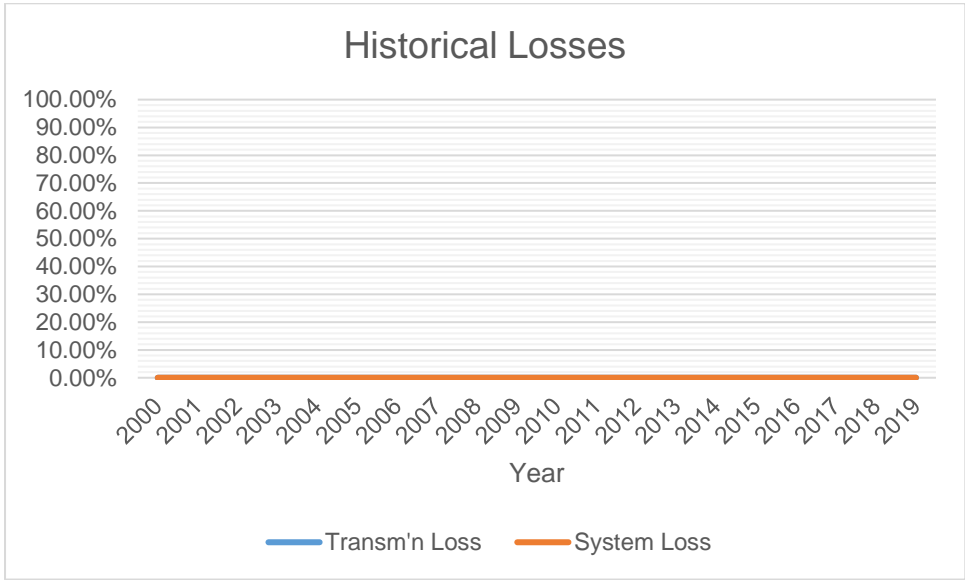
Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	0.07	244	0	244	244	0	40%	0.00%	0.00%	0.00%
2001	0.09	300	0	300	276	0	37%	-7.88%	0.00%	0.00%
2002	0.10	331	0	331	305	0	37%	-7.77%	0.00%	0.00%
2003	0.11	345	0	345	330	0	36%	-4.38%	0.00%	0.00%
2004	0.14	448	0	448	430	0	35%	-4.07%	0.00%	0.00%
2005	0.16	512	0	512	493	0	36%	-3.82%	0.00%	0.00%
2006	0.17	547	0	547	528	0	36%	-3.47%	0.00%	0.00%
2007	0.21	640	0	640	611	0	34%	-4.50%	0.00%	0.00%
2008	0.25	768	0	768	735	0	35%	-4.35%	0.00%	0.00%
2009	0.30	877	0	877	853	0	34%	-2.73%	0.00%	0.00%
2010	0.38	1,046	0	1,046	1,039	0	32%	-0.66%	0.00%	0.00%
2011	0.45	1,238	0	1,238	1,232	0	31%	-0.47%	0.00%	0.00%
2012	0.54	1,502	0	1,502	1,489	0	32%	-0.89%	0.00%	0.00%
2013	0.59	1,637	0	1,637	1,620	0	32%	-1.04%	0.00%	0.00%
2014	0.60	1,954	0	1,954	1,927	0	37%	-1.40%	0.00%	0.00%
2015	0.60	2,093	0	2,093	2,067	0	40%	-1.23%	0.00%	0.00%
2016	0.65	2,374	0	2,374	2,333	0	42%	-1.71%	0.00%	0.00%
2017	0.70	2,850	0	2,850	2,798	0	47%	-1.81%	0.00%	0.00%
2018	0.83	3,137	0	3,137	3,075	0	43%	-1.98%	0.00%	0.00%
2019	0.90	3,980	0	3,980	3,980	0	51%	0.00%	0.00%	0.00%

Peak Demand increased from 0.09 MW in 2000 to 0.9 MW in 2019 at a rate of 14.69% due to increase of connected consumers. MWh Offtake increased from 244MWh in 2000 to 3980MWh in 2019 at a rate of 16.03% due to increase of demand. Within the same period, Load Factor ranged from 40% to 51%. There was an abrupt change in consumption due to increase of establishments on the area.

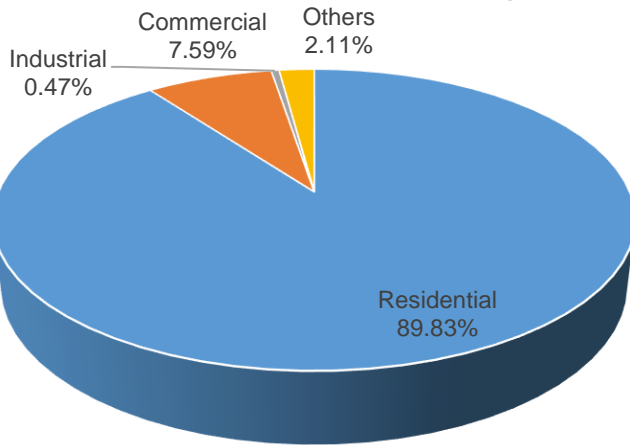


MWh Output increased from year 2000 to year 2019 at a rate of 16.03%, while MWh System Loss remains at zero within the same period.



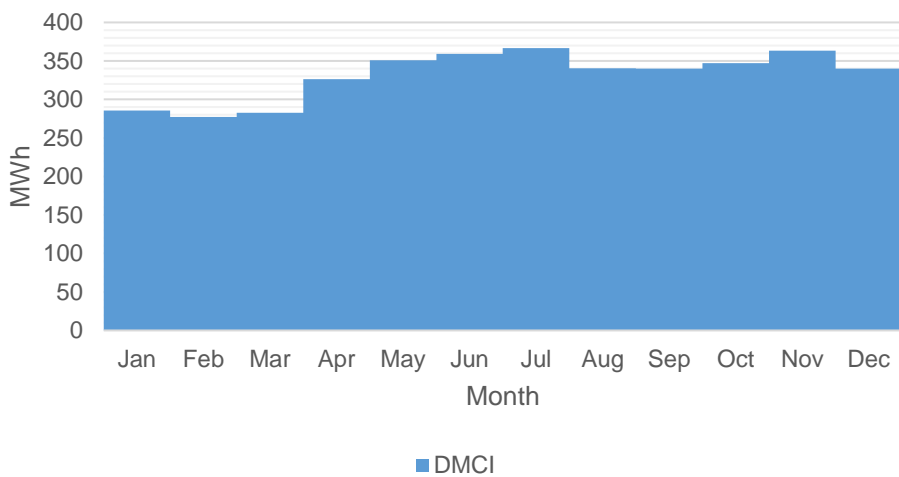
Historically, Transmission Loss ranged from 0% to 0% while System Loss is zero. Transmission Loss is also zero for the year 2000 to 2019 because of the agreement of the company that ANTECO will only pay the MWh used by the consumers to the supplier. System Loss is zero all throughout.

Previous Year's Shares of Energy Sales

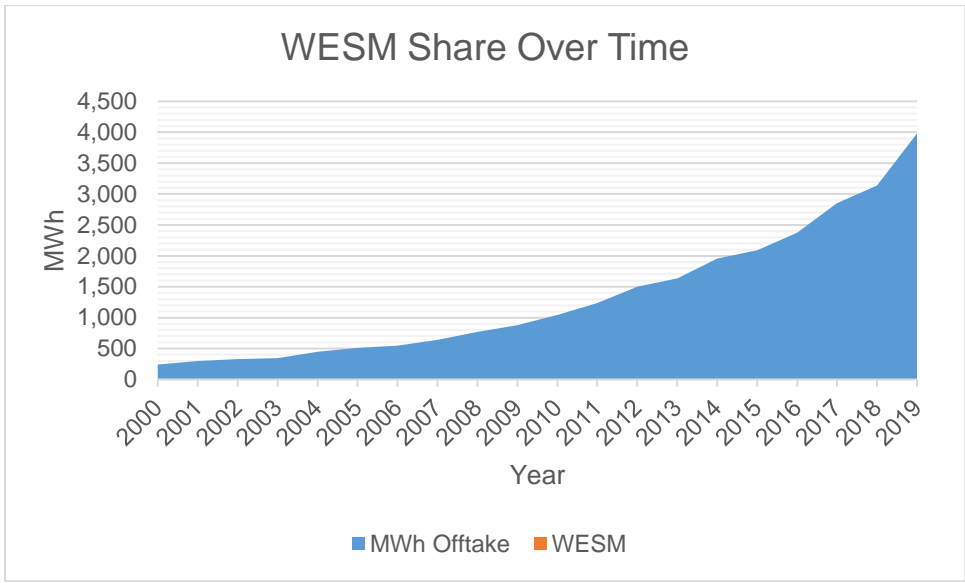


Residential customers account for the bulk of energy sales at 89.83% due to the high number of connections. In contrast, Industrial customers accounted for only 0.47% of energy sales due to the low number of connections.

MWh Offtake for Last Historical Year

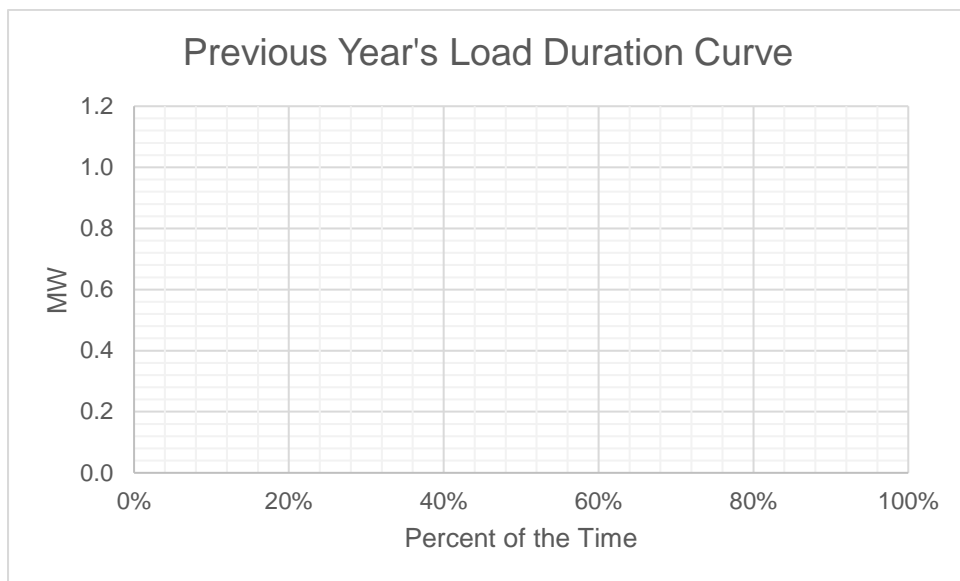


For 2019, the total Offtake for the last historical year is the same as the quantity stipulated in the PSA

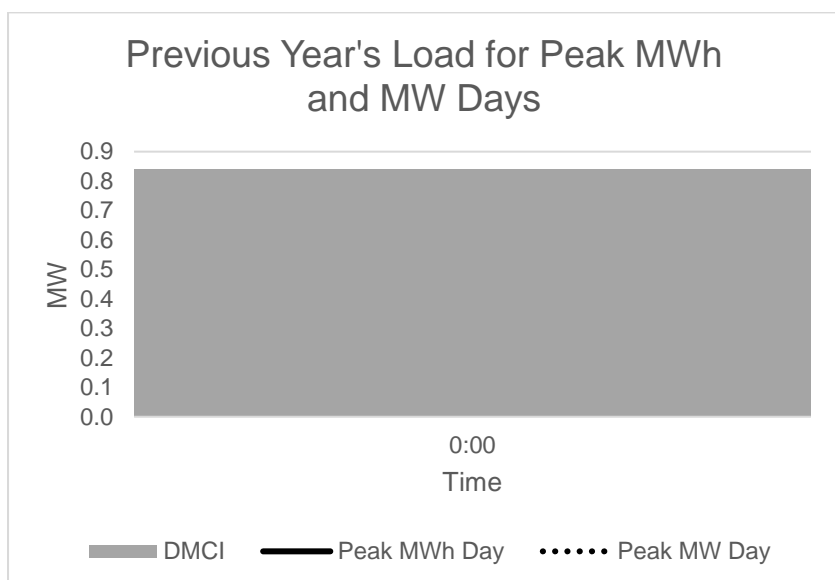


WESM Offtake is zero. Semirara Island is not connected to grid.

Previous Year's Load Profile



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



Peak MW occurred on ____ due to ____ . Peak daily MWh occurred on ____ due to ____ . As shown in the Load Curves, the available supply is [higher/lower] than the Peak Demand.

Previous Year's Loading Summary

0.00	0.00	0.00	0.00	0.00
MVA Tot	NCP	CP	Ave	5th PCTL

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

Metering Point	Substation MVA	Substation Peak MW
		0.000

The substations loaded at above 70% are ___. This loading problem will be solved by ___.

Forecasted Consumption Data

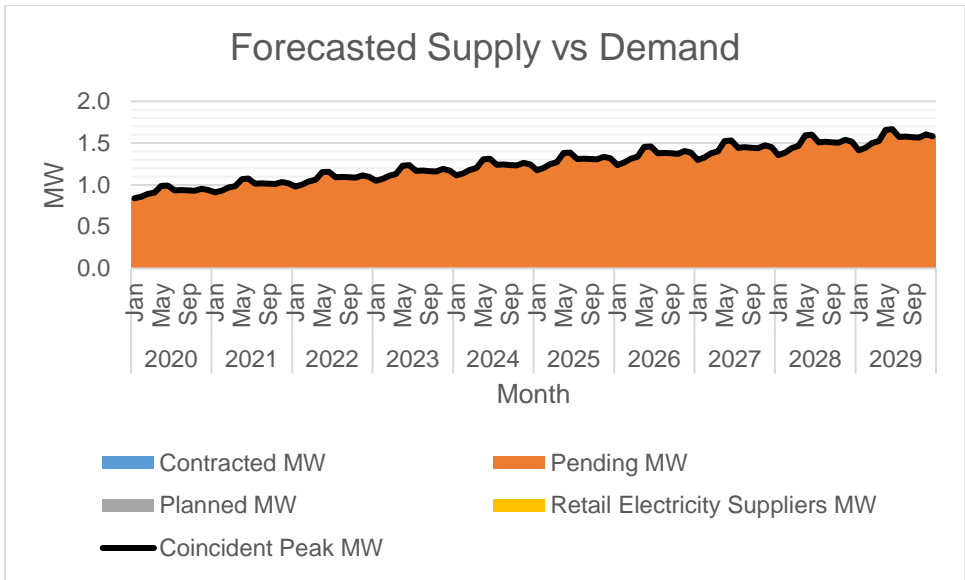
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2020	Jan	0.84	0.00	0.84	0.000		0%	100%	0.00
	Feb	0.86	0.00	0.86	0.000		0%	100%	0.00
	Mar	0.89	0.00	0.89	0.000		0%	100%	0.00
	Apr	0.91	0.00	0.91	0.000		0%	100%	0.00
	May	0.99	0.00	0.99	0.000		0%	100%	0.00
	Jun	0.99	0.00	0.99	0.000		0%	100%	0.00
	Jul	0.94	0.00	0.94	0.000		0%	100%	0.00
	Aug	0.94	0.00	0.94	0.000		0%	100%	0.00
	Sep	0.93	0.00	0.93	0.000		0%	100%	0.00
	Oct	0.93	0.00	0.93	0.000		0%	100%	0.00
	Nov	0.95	0.00	0.95	0.000		0%	100%	0.00
	Dec	0.94	0.00	0.94	0.000		0%	100%	0.00
2021	Jan	0.91	0.00	0.91	0.000		0%	100%	0.00
	Feb	0.93	0.00	0.93	0.000		0%	100%	0.00
	Mar	0.97	0.00	0.97	0.000		0%	100%	0.00
	Apr	0.98	0.00	0.98	0.000		0%	100%	0.00
	May	1.07	0.00	1.07	0.000		0%	100%	0.00
	Jun	1.08	0.00	1.08	0.000		0%	100%	0.00
	Jul	1.02	0.00	1.02	0.000		0%	100%	0.00
	Aug	1.02	0.00	1.02	0.000		0%	100%	0.00
	Sep	1.01	0.00	1.01	0.000		0%	100%	0.00
	Oct	1.01	0.00	1.01	0.000		0%	100%	0.00
	Nov	1.04	0.00	1.04	0.000		0%	100%	0.00
	Dec	1.02	0.00	1.02	0.000		0%	100%	0.00
2022	Jan	0.98	0.00	0.98	0.000		0%	100%	0.00
	Feb	1.00	0.00	1.00	0.000		0%	100%	0.00
	Mar	1.04	0.00	1.04	0.000		0%	100%	0.00
	Apr	1.06	0.00	1.06	0.000		0%	100%	0.00

	May	1.15	0.00	1.15	0.000		0%	100%	0.00
	Jun	1.16	0.00	1.16	0.000		0%	100%	0.00
	Jul	1.09	0.00	1.09	0.000		0%	100%	0.00
	Aug	1.10	0.00	1.10	0.000		0%	100%	0.00
	Sep	1.09	0.00	1.09	0.000		0%	100%	0.00
	Oct	1.09	0.00	1.09	0.000		0%	100%	0.00
	Nov	1.11	0.00	1.11	0.000		0%	100%	0.00
	Dec	1.10	0.00	1.10	0.000		0%	100%	0.00
2023	Jan	1.05	0.00	1.05	0.000		0%	100%	0.00
	Feb	1.07	0.00	1.07	0.000		0%	100%	0.00
	Mar	1.11	0.00	1.11	0.000		0%	100%	0.00
	Apr	1.13	0.00	1.13	0.000		0%	100%	0.00
	May	1.23	0.00	1.23	0.000		0%	100%	0.00
	Jun	1.24	0.00	1.24	0.000		0%	100%	0.00
	Jul	1.17	0.00	1.17	0.000		0%	100%	0.00
	Aug	1.17	0.00	1.17	0.000		0%	100%	0.00
	Sep	1.17	0.00	1.17	0.000		0%	100%	0.00
	Oct	1.16	0.00	1.16	0.000		0%	100%	0.00
	Nov	1.19	0.00	1.19	0.000		0%	100%	0.00
	Dec	1.17	0.00	1.17	0.000		0%	100%	0.00
2024	Jan	1.11	0.00	1.11	0.000		0%	100%	0.00
	Feb	1.14	0.00	1.14	0.000		0%	100%	0.00
	Mar	1.18	0.00	1.18	0.000		0%	100%	0.00
	Apr	1.20	0.00	1.20	0.000		0%	100%	0.00
	May	1.31	0.00	1.31	0.000		0%	100%	0.00
	Jun	1.31	0.00	1.31	0.000		0%	100%	0.00
	Jul	1.24	0.00	1.24	0.000		0%	100%	0.00
	Aug	1.24	0.00	1.24	0.000		0%	100%	0.00
	Sep	1.24	0.00	1.24	0.000		0%	100%	0.00
	Oct	1.23	0.00	1.23	0.000		0%	100%	0.00
	Nov	1.26	0.00	1.26	0.000		0%	100%	0.00
	Dec	1.25	0.00	1.25	0.000		0%	100%	0.00
2025	Jan	1.18	0.00	1.18	0.000		0%	100%	0.00

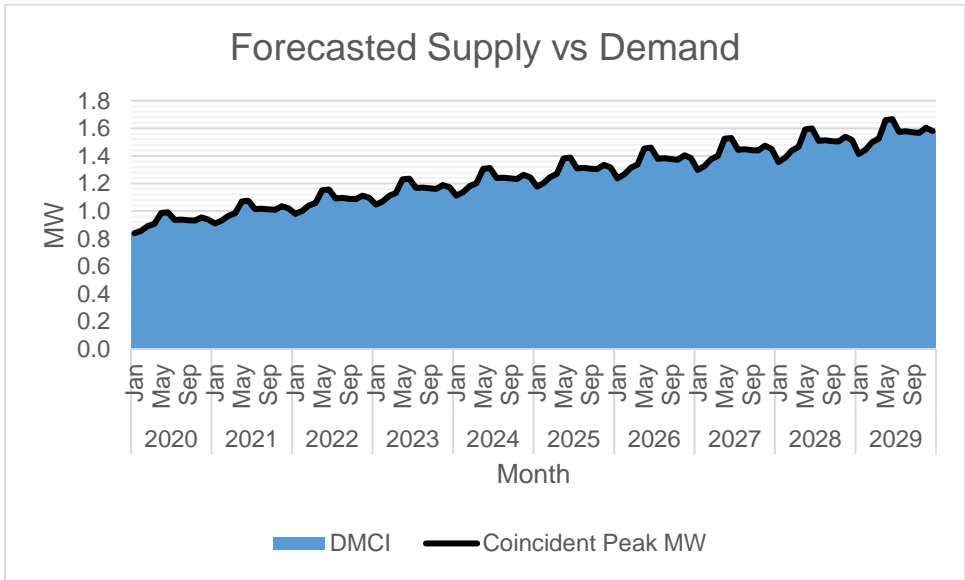
	Feb	1.20	0.00	1.20	0.000		0%	100%	0.00
	Mar	1.25	0.00	1.25	0.000		0%	100%	0.00
	Apr	1.27	0.00	1.27	0.000		0%	100%	0.00
	May	1.38	0.00	1.38	0.000		0%	100%	0.00
	Jun	1.39	0.00	1.39	0.000		0%	100%	0.00
	Jul	1.31	0.00	1.31	0.000		0%	100%	0.00
	Aug	1.31	0.00	1.31	0.000		0%	100%	0.00
	Sep	1.31	0.00	1.31	0.000		0%	100%	0.00
	Oct	1.30	0.00	1.30	0.000		0%	100%	0.00
	Nov	1.34	0.00	1.34	0.000		0%	100%	0.00
	Dec	1.32	0.00	1.32	0.000		0%	100%	0.00
2026	Jan	1.24	0.00	1.24	0.000		0%	100%	0.00
	Feb	1.27	0.00	1.27	0.000		0%	100%	0.00
	Mar	1.31	0.00	1.31	0.000		0%	100%	0.00
	Apr	1.34	0.00	1.34	0.000		0%	100%	0.00
	May	1.45	0.00	1.45	0.000		0%	100%	0.00
	Jun	1.46	0.00	1.46	0.000		0%	100%	0.00
	Jul	1.38	0.00	1.38	0.000		0%	100%	0.00
	Aug	1.38	0.00	1.38	0.000		0%	100%	0.00
	Sep	1.38	0.00	1.38	0.000		0%	100%	0.00
	Oct	1.37	0.00	1.37	0.000		0%	100%	0.00
	Nov	1.41	0.00	1.41	0.000		0%	100%	0.00
	Dec	1.39	0.00	1.39	0.000		0%	100%	0.00
2027	Jan	1.30	0.00	1.30	0.000		0%	100%	0.00
	Feb	1.33	0.00	1.33	0.000		0%	100%	0.00
	Mar	1.38	0.00	1.38	0.000		0%	100%	0.00
	Apr	1.40	0.00	1.40	0.000		0%	100%	0.00
	May	1.53	0.00	1.53	0.000		0%	100%	0.00
	Jun	1.53	0.00	1.53	0.000		0%	100%	0.00
	Jul	1.45	0.00	1.45	0.000		0%	100%	0.00
	Aug	1.45	0.00	1.45	0.000		0%	100%	0.00
	Sep	1.44	0.00	1.44	0.000		0%	100%	0.00
	Oct	1.44	0.00	1.44	0.000		0%	100%	0.00

	Nov	1.47	0.00	1.47	0.000		0%	100%	0.00
	Dec	1.45	0.00	1.45	0.000		0%	100%	0.00
2028	Jan	1.36	0.00	1.36	0.000		0%	100%	0.00
	Feb	1.39	0.00	1.39	0.000		0%	100%	0.00
	Mar	1.44	0.00	1.44	0.000		0%	100%	0.00
	Apr	1.47	0.00	1.47	0.000		0%	100%	0.00
	May	1.59	0.00	1.59	0.000		0%	100%	0.00
	Jun	1.60	0.00	1.60	0.000		0%	100%	0.00
	Jul	1.51	0.00	1.51	0.000		0%	100%	0.00
	Aug	1.52	0.00	1.52	0.000		0%	100%	0.00
	Sep	1.51	0.00	1.51	0.000		0%	100%	0.00
	Oct	1.50	0.00	1.50	0.000		0%	100%	0.00
	Nov	1.54	0.00	1.54	0.000		0%	100%	0.00
	Dec	1.52	0.00	1.52	0.000		0%	100%	0.00
2029	Jan	1.41	0.00	1.41	0.000		0%	100%	0.00
	Feb	1.45	0.00	1.45	0.000		0%	100%	0.00
	Mar	1.50	0.00	1.50	0.000		0%	100%	0.00
	Apr	1.53	0.00	1.53	0.000		0%	100%	0.00
	May	1.66	0.00	1.66	0.000		0%	100%	0.00
	Jun	1.67	0.00	1.67	0.000		0%	100%	0.00
	Jul	1.57	0.00	1.57	0.000		0%	100%	0.00
	Aug	1.58	0.00	1.58	0.000		0%	100%	0.00
	Sep	1.57	0.00	1.57	0.000		0%	100%	0.00
	Oct	1.57	0.00	1.57	0.000		0%	100%	0.00
	Nov	1.61	0.00	1.61	0.000		0%	100%	0.00
	Dec	1.58	0.00	1.58	0.000		0%	100%	0.00

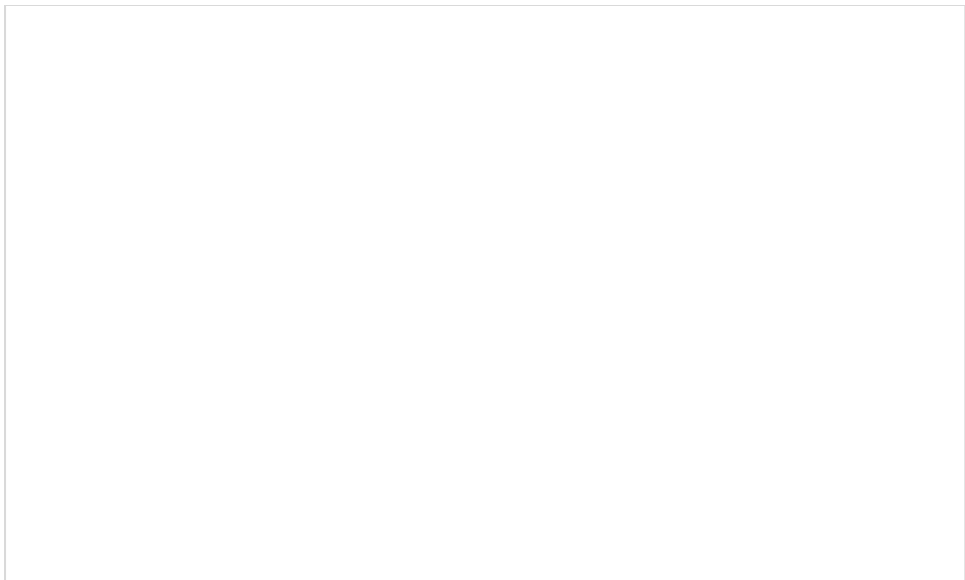
The Peak Demand was forecasted using 7-year historical data and was assumed to occur on the month of June due to Festival for the last week of May or first week of June. Monthly Peak Demand is at its lowest on the month of January due to decrease in consumption. In general, Peak Demand is expected to grow at a rate of 5.99% annually.



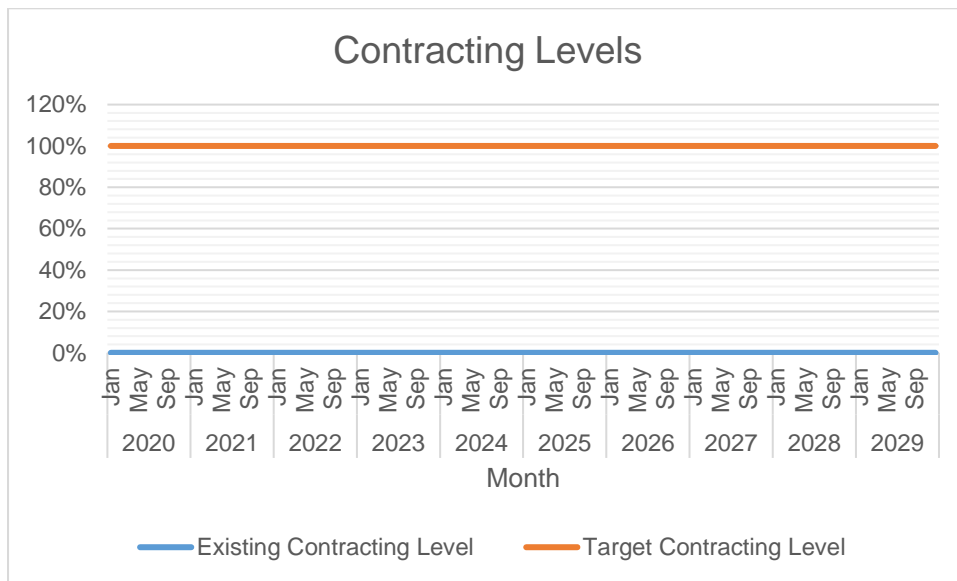
The available supply is generally equal to the Peak Demand. This is because of the PSA on Semirara Island.



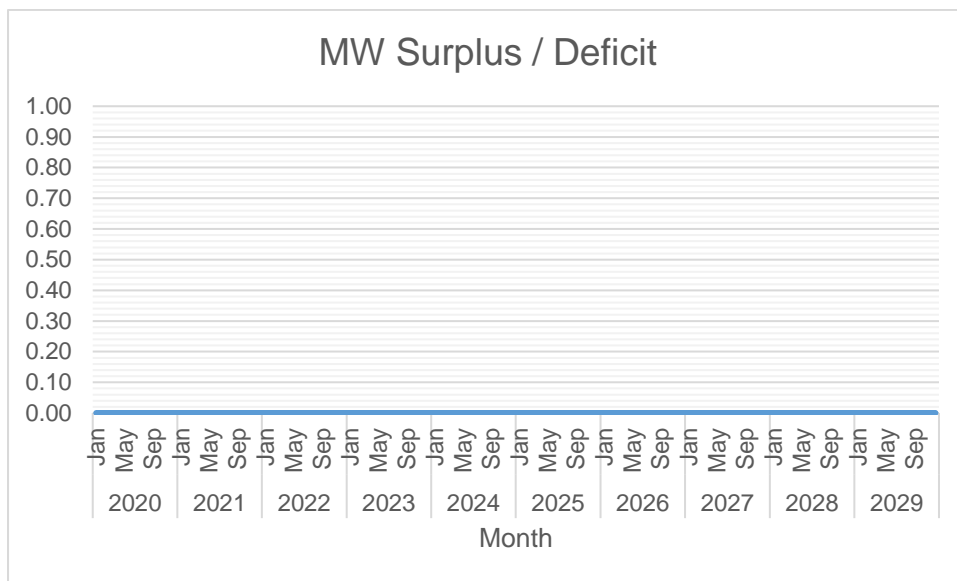
Of the available supply, the largest is 1.67 MW from June 2029. This is followed by 1.66 MW from May 2029.



The first wave of supply procurement will be for ___ MW planned to be available by the month of ___. This will be followed by ___.



The highest target contracting level is set to 100%.



Currently, there is no under-contacting/over-contacting. There is no surplus/deficit.

		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2020	Jan	325	318	0	2.08%	0.00%
	Feb	315	309	0	2.08%	0.00%
	Mar	322	315	0	2.08%	0.00%
	Apr	371	363	0	2.08%	0.00%
	May	399	391	0	2.08%	0.00%
	Jun	409	400	0	2.08%	0.00%
	Jul	417	408	0	2.08%	0.00%
	Aug	387	379	0	2.08%	0.00%
	Sep	387	379	0	2.08%	0.00%

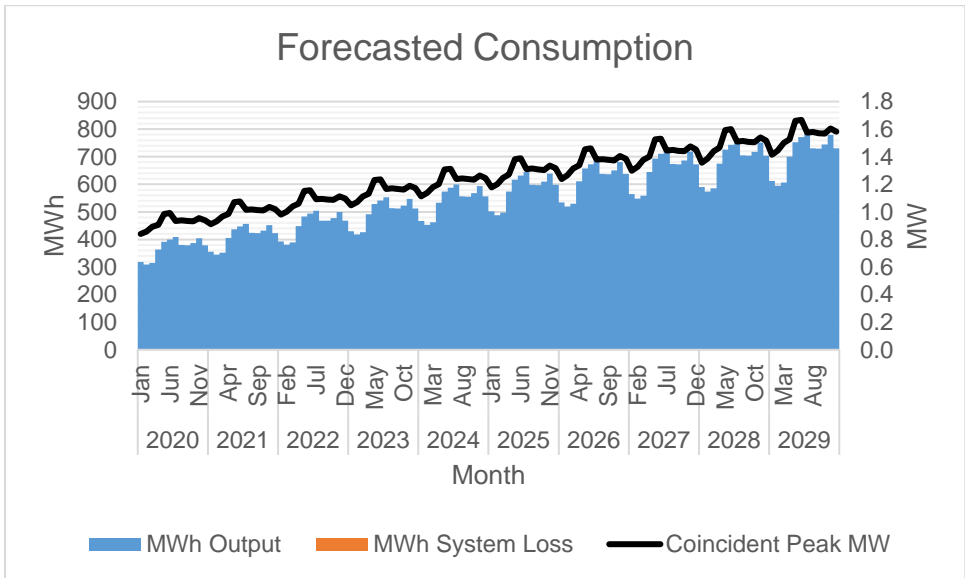
	Oct	395	387	0	2.08%	0.00%
	Nov	413	405	0	2.08%	0.00%
	Dec	387	379	0	2.08%	0.00%
2021	Jan	363	355	0	2.11%	0.00%
	Feb	352	345	0	2.11%	0.00%
	Mar	359	352	0	2.11%	0.00%
	Apr	414	406	0	2.11%	0.00%
	May	446	436	0	2.11%	0.00%
	Jun	456	447	0	2.11%	0.00%
	Jul	466	456	0	2.11%	0.00%
	Aug	433	424	0	2.11%	0.00%
	Sep	432	423	0	2.11%	0.00%
	Oct	441	432	0	2.11%	0.00%
	Nov	462	452	0	2.11%	0.00%
	Dec	432	423	0	2.11%	0.00%
2022	Jan	401	393	0	2.12%	0.00%
	Feb	390	381	0	2.12%	0.00%
	Mar	397	389	0	2.12%	0.00%
	Apr	458	449	0	2.12%	0.00%
	May	493	483	0	2.12%	0.00%
	Jun	505	494	0	2.12%	0.00%
	Jul	515	504	0	2.12%	0.00%
	Aug	479	468	0	2.12%	0.00%
	Sep	478	468	0	2.12%	0.00%
	Oct	488	477	0	2.12%	0.00%
	Nov	511	500	0	2.12%	0.00%
	Dec	478	468	0	2.12%	0.00%
2023	Jan	439	430	0	2.14%	0.00%
	Feb	427	418	0	2.14%	0.00%
	Mar	435	426	0	2.14%	0.00%
	Apr	502	491	0	2.14%	0.00%
	May	540	529	0	2.14%	0.00%
	Jun	553	541	0	2.14%	0.00%
	Jul	564	552	0	2.14%	0.00%
	Aug	524	513	0	2.14%	0.00%
	Sep	523	512	0	2.14%	0.00%
	Oct	534	523	0	2.14%	0.00%
	Nov	559	547	0	2.14%	0.00%
	Dec	524	513	0	2.14%	0.00%
2024	Jan	477	467	0	2.15%	0.00%
	Feb	463	453	0	2.15%	0.00%
	Mar	472	462	0	2.15%	0.00%
	Apr	545	533	0	2.15%	0.00%
	May	586	574	0	2.15%	0.00%
	Jun	600	587	0	2.15%	0.00%
	Jul	613	599	0	2.15%	0.00%
	Aug	569	557	0	2.15%	0.00%
	Sep	568	556	0	2.15%	0.00%
	Oct	580	567	0	2.15%	0.00%

	Nov	607	594	0	2.15%	0.00%
	Dec	568	556	0	2.15%	0.00%
2025	Jan	513	502	0	2.16%	0.00%
	Feb	498	487	0	2.16%	0.00%
	Mar	508	497	0	2.16%	0.00%
	Apr	586	573	0	2.16%	0.00%
	May	630	617	0	2.16%	0.00%
	Jun	645	631	0	2.16%	0.00%
	Jul	659	644	0	2.16%	0.00%
	Aug	612	598	0	2.16%	0.00%
	Sep	611	597	0	2.16%	0.00%
	Oct	623	610	0	2.16%	0.00%
	Nov	653	638	0	2.16%	0.00%
	Dec	611	598	0	2.16%	0.00%
2026	Jan	546	534	0	2.18%	0.00%
	Feb	531	519	0	2.18%	0.00%
	Mar	541	529	0	2.18%	0.00%
	Apr	624	611	0	2.18%	0.00%
	May	672	657	0	2.18%	0.00%
	Jun	688	673	0	2.18%	0.00%
	Jul	702	687	0	2.18%	0.00%
	Aug	652	638	0	2.18%	0.00%
	Sep	651	637	0	2.18%	0.00%
	Oct	664	650	0	2.18%	0.00%
	Nov	695	680	0	2.18%	0.00%
	Dec	651	637	0	2.18%	0.00%
2027	Jan	577	564	0	2.21%	0.00%
	Feb	561	548	0	2.21%	0.00%
	Mar	572	559	0	2.21%	0.00%
	Apr	660	645	0	2.21%	0.00%
	May	710	694	0	2.21%	0.00%
	Jun	726	710	0	2.21%	0.00%
	Jul	741	725	0	2.21%	0.00%
	Aug	688	673	0	2.21%	0.00%
	Sep	687	672	0	2.21%	0.00%
	Oct	702	686	0	2.21%	0.00%
	Nov	734	718	0	2.21%	0.00%
	Dec	688	673	0	2.21%	0.00%
2028	Jan	604	591	0	2.24%	0.00%
	Feb	587	574	0	2.24%	0.00%
	Mar	598	585	0	2.24%	0.00%
	Apr	690	675	0	2.24%	0.00%
	May	743	726	0	2.24%	0.00%
	Jun	760	743	0	2.24%	0.00%
	Jul	776	759	0	2.24%	0.00%
	Aug	721	705	0	2.24%	0.00%
	Sep	719	703	0	2.24%	0.00%
	Oct	735	718	0	2.24%	0.00%
	Nov	769	752	0	2.24%	0.00%

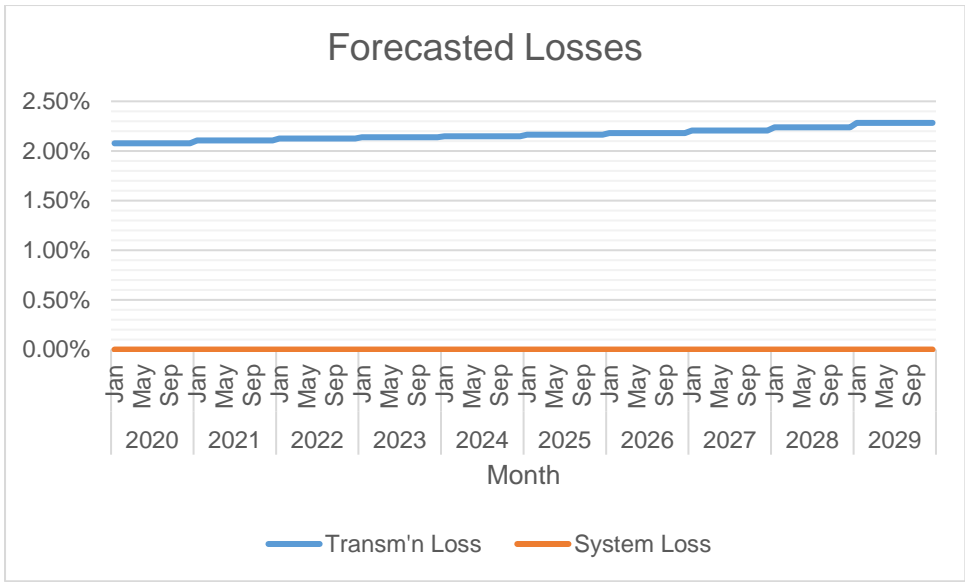
	Dec	720	704	0	2.24%	0.00%
2029	Jan	627	612	0	2.28%	0.00%
	Feb	609	595	0	2.28%	0.00%
	Mar	621	607	0	2.28%	0.00%
	Apr	716	700	0	2.28%	0.00%
	May	771	753	0	2.28%	0.00%
	Jun	789	771	0	2.28%	0.00%
	Jul	805	787	0	2.28%	0.00%
	Aug	748	731	0	2.28%	0.00%
	Sep	747	729	0	2.28%	0.00%
	Oct	762	745	0	2.28%	0.00%
	Nov	798	780	0	2.28%	0.00%
	Dec	747	730	0	2.28%	0.00%

MWh Offtake was forecasted using 7-year historical data.

System Loss was calculated through a Load Flow Study conducted on ___ by ___ using ___ 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 7.59% annually due to the growing demand in the area.



Transmission Loss is expected to range from 2.08% to 2.28% while System Loss is expected to stay at 0%.

Power Supply

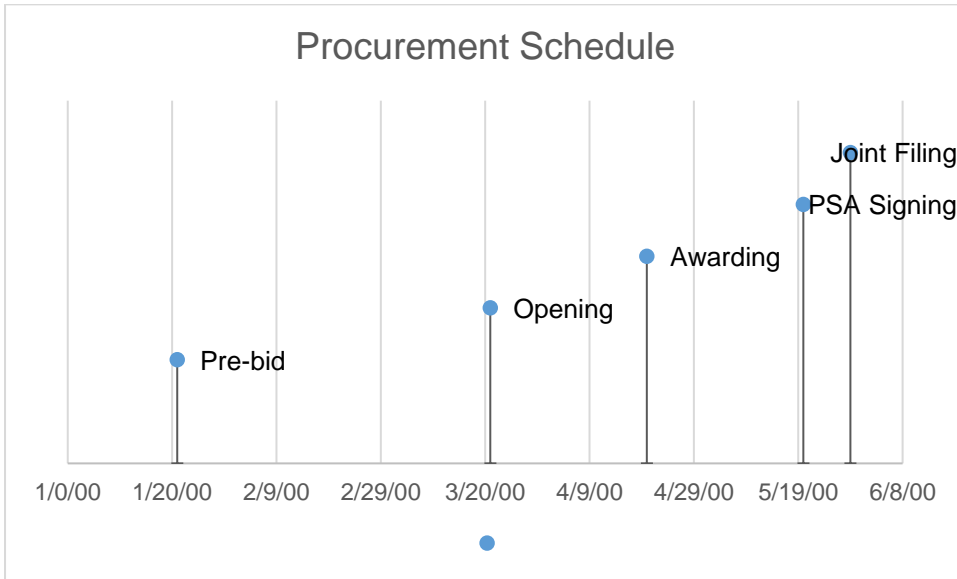
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Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
DMCI	Base	Other	2.00	3,706	2/26/2020	2/25/2025

ANTECO power supply agreement with DMCI does not undergo approval with ERC however its generation rate is 2.5Php/kWh is lower than NPC TOU rate. It was selected to provide base requirements. ANTECO are billed using ANTECO sales and zero system's loss

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

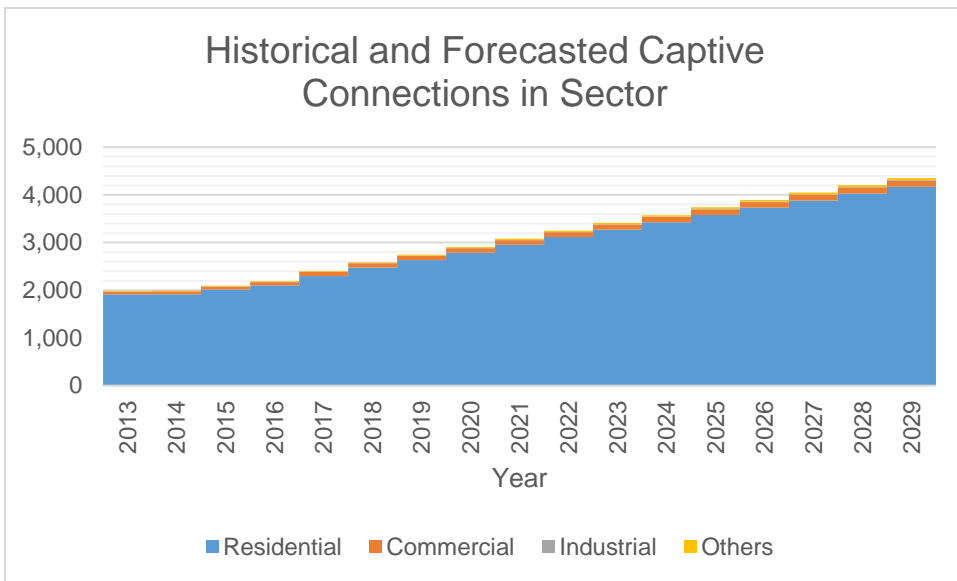
Pre-bid	21
Opening	81
Awarding	111
PSA Signing	141
Joint Filing	150



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.

[Repeat as needed]

Captive Customer Connections



The number of residential connections is expected to grow at a rate of 5 % annually. Said customer class is expected to account for more or less 90% of the total consumption.