

Power Supply Procurement Plan 2024

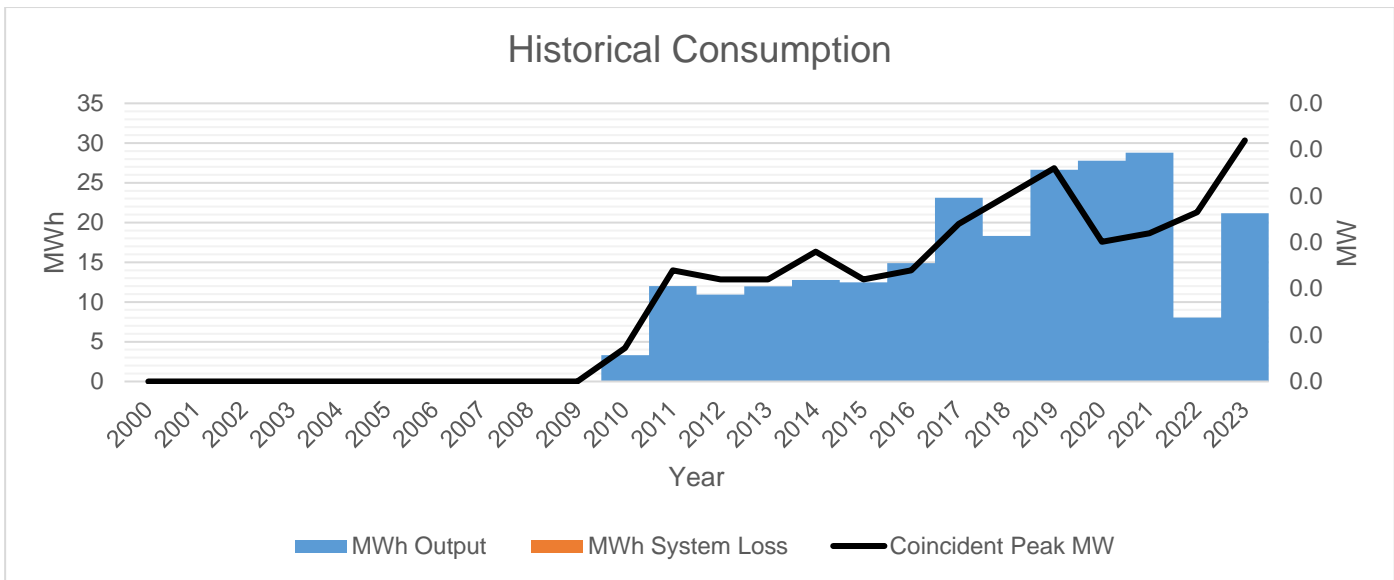
**BOHOL I ELECTRIC COOPERATIVE, INC.
(BOHECO I)**

HAMBONGAN ISLAND

Historical Consumption Data

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	Load Factor
2010	0.00	3	n/a	3	3	10%
2011	0.01	12	n/a	12	12	11%
2012	0.01	11	n/a	11	11	11%
2013	0.01	12	n/a	12	12	12%
2014	0.01	13	n/a	13	13	10%
2015	0.01	12	n/a	12	12	13%
2016	0.01	15	n/a	15	15	14%
2017	0.02	23	n/a	23	23	16%
2018	0.02	18	n/a	18	18	10%
2019	0.02	27	n/a	27	27	13%
2020	0.02	28	n/a	28	28	21%
2021	0.02	29	n/a	29	29	21%
2022	0.02	8	n/a	8	8	5%
2023	0.03	21	n/a	21	21	9%

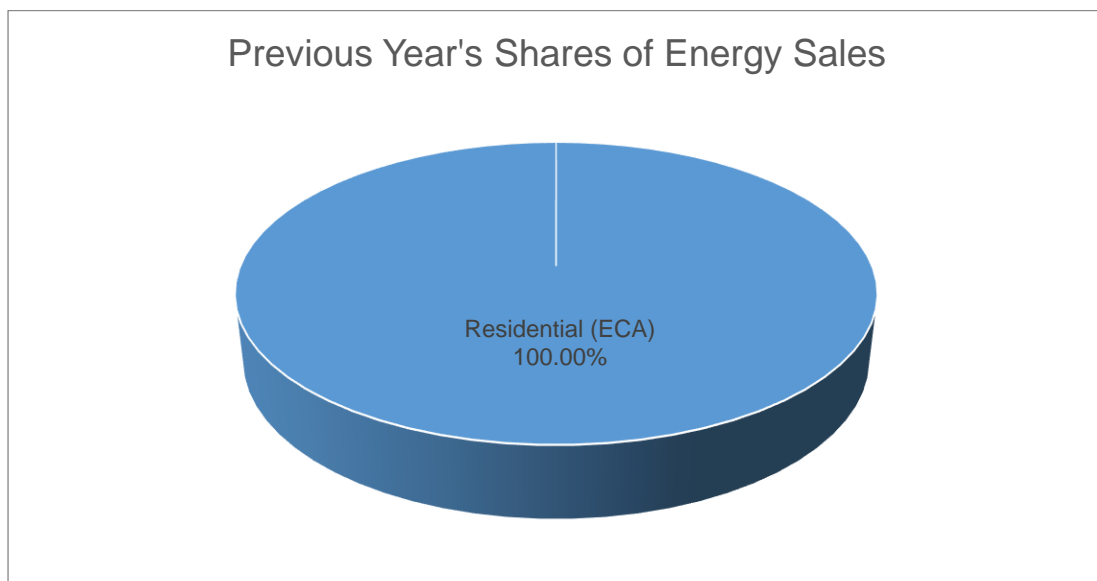
The above historical data was the only available/retrieved data as of the moment. The Peak Demand exhibited minimal increase from 0.004 MW in 2010 to 0.03 MW in 2023 at a rate of 11.54%. The MWh Offtake also increased from 3 MWh in 2010 to 21 MWh in 2023, marking a growth rate of 38.87% primarily attributed to the escalating load connections. Throughout this period, the Load Factor increased from 5% to 21%. There was an abrupt change in consumption in year 2022 due to the occurrence of Typhoon Odette affecting the entire province of Bohol.



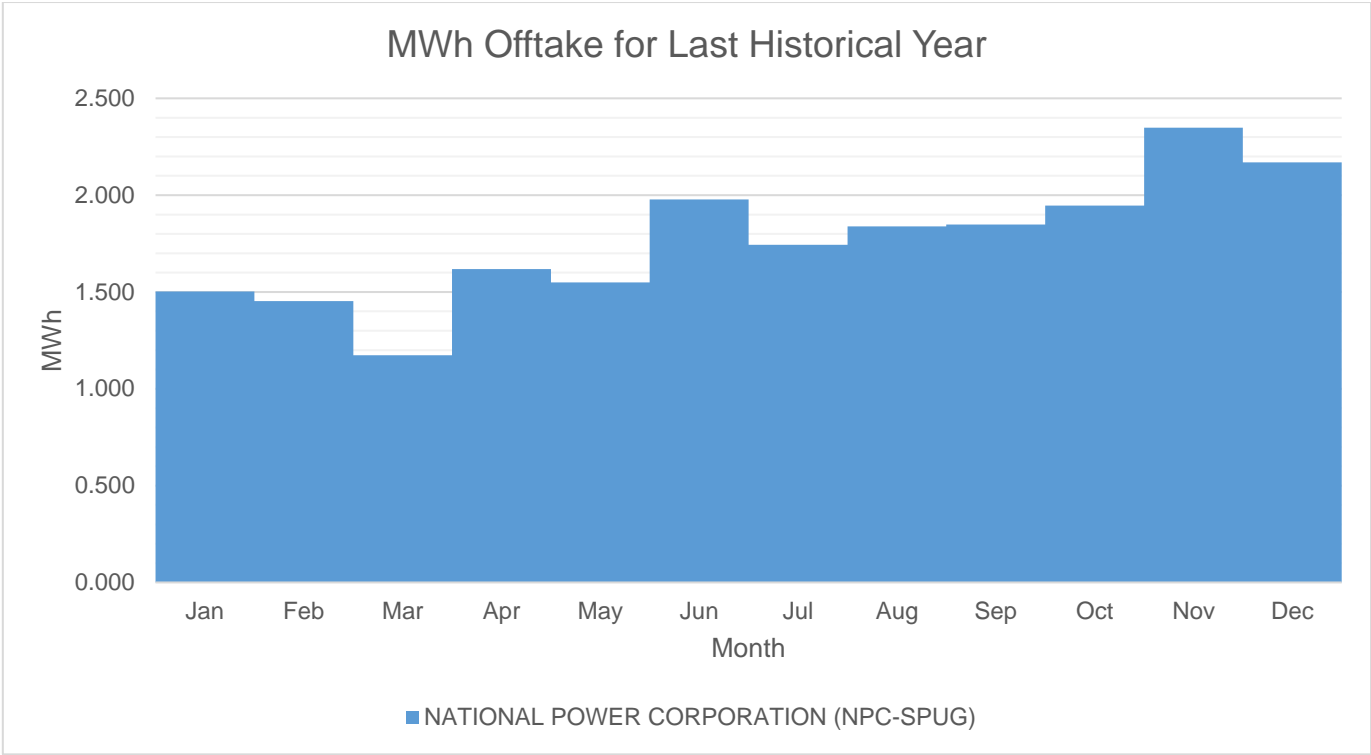
The above figure presents a graphical representation of energy consumption over the past 14 years. The MWh Output demonstrated a consistent increase from year 2010 to year 2023 with an average growth rate of 38.87%. On the other hand, the MWh Output in year 2022 significantly drops to -72.41% due to the occurrence of Typhoon Odette affecting the entire province of Bohol.

System Loss

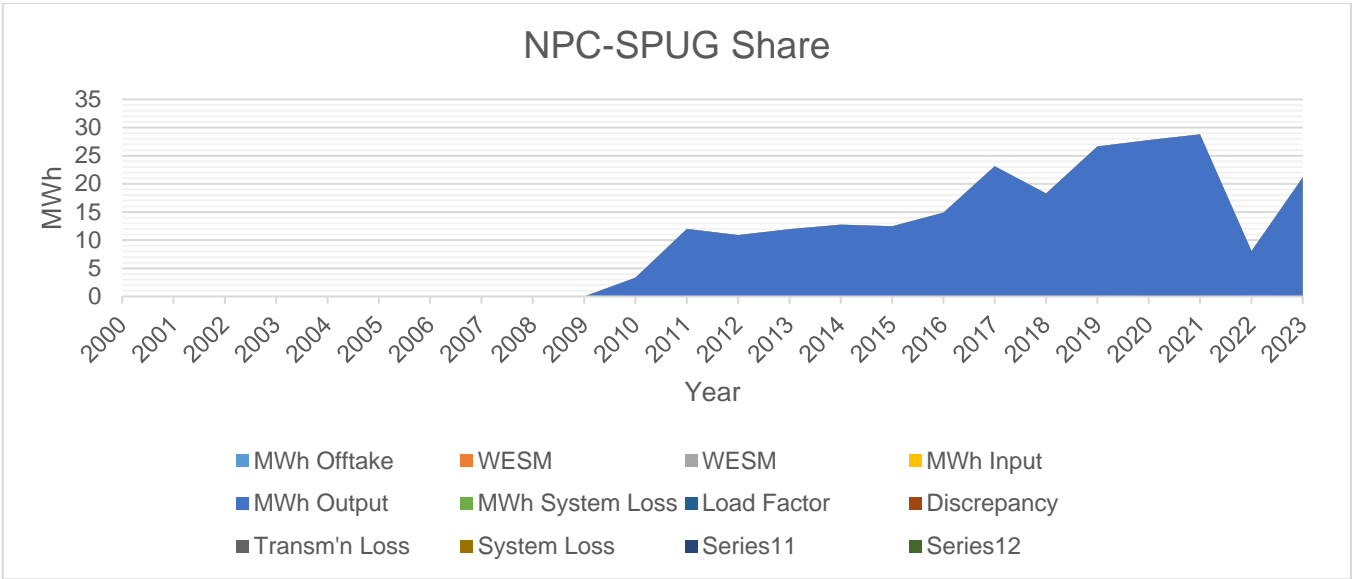
BOHECO I's report shows NO system loss in supplying power to Island Barangays through SPUG. This is because the kWh meter reading used for NPC SPUG's billing to BOHECO I is identical to BOHECO I's meter reading for sales to the Island Barangays. This alignment stems from a clustering setup, employing a single meter known as the Mother Meter for meter reading. NPC SPUG also utilizes this Mother Meter. Individual consumer bills are then generated internally, with the system loss prorated accordingly.



Residential customers constitute the entire energy sales on this island.

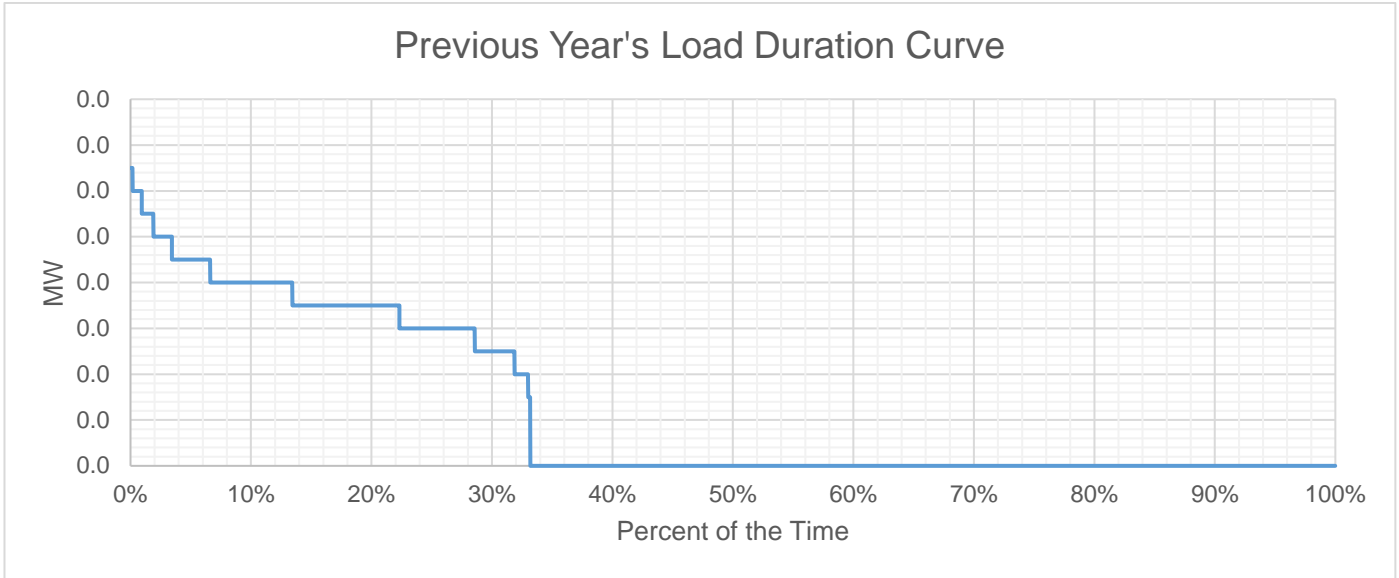


For NPC-SPUG, the total Offtake for the last historical year is lower than the quantity stipulated in the PSA. The PSA with NPC-SPUG constitutes solely for the MWh Offtake.

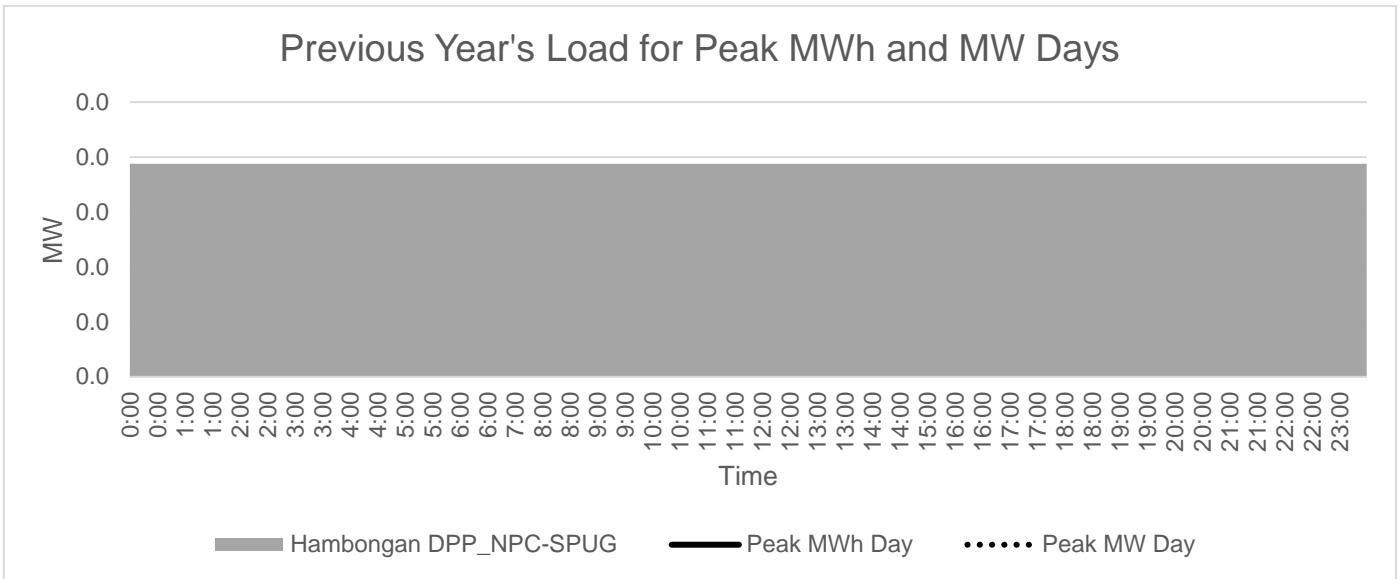


There is no share of WESM in the offtake since this is solely supplied by National Power Corporation – Small Power Utilities Group (NPC-SPUG).

Previous Year's Load Profile

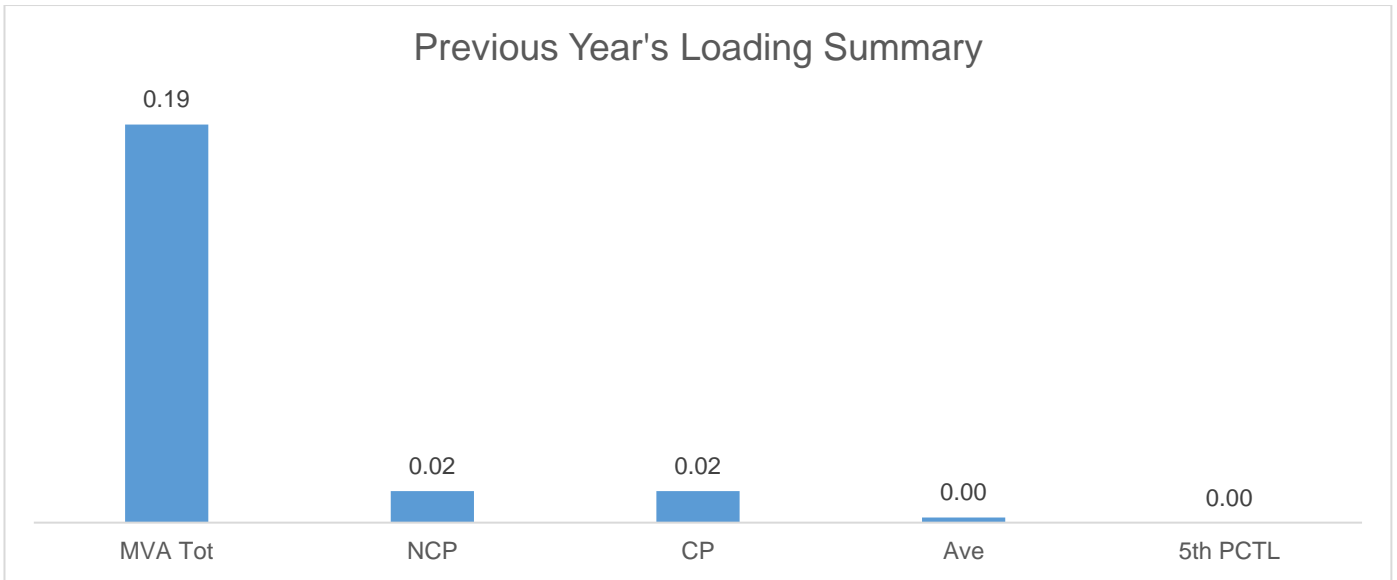


Based on the Load Duration Curve, the minimum load is 0.003 MW and the maximum load is 0.015 MW for the last historical year. The normal operating hours for the island is from 8-10 hours per day.



Peak MW occurred on November 1, 2023. Peak daily MWh occurred on November 1, 2023 at 8:00 P.M.

Previous Year's Loading Summary



The Non-coincident Peak Demand is 0.015 MW, which is around 8.72% of the total substation capacity of 0.189 MVA at a power factor of 91%. The load factor or the ratio between the Average Load of 0.0024 MW and the Non-coincident Peak Demand is 16.13%. A safe estimate of the true minimum load is the fifth percentile load of 0 MW.

Metering Point	Substation MVA	Substation Peak MW
HAMBONGAN	0.189	0.015

NO substation loaded at 70% and above.

Forecasted Consumption Data

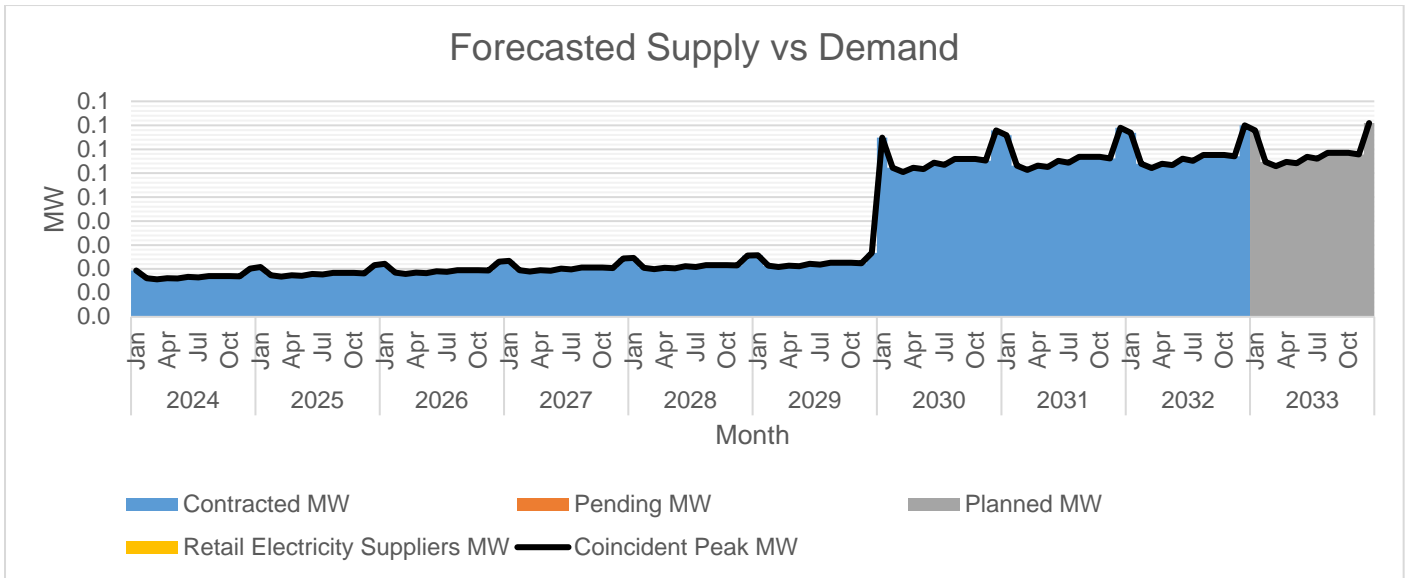
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2024	Jan	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	Feb	0.016	0.016	0.000	0.000	0.000	100%	100%	0.00
	Mar	0.016	0.016	0.000	0.000	0.000	100%	100%	0.00
	Apr	0.016	0.016	0.000	0.000	0.000	100%	100%	0.00
	May	0.016	0.016	0.000	0.000	0.000	100%	100%	0.00
	Jun	0.017	0.017	0.000	0.000	0.000	100%	100%	0.00
	Jul	0.016	0.016	0.000	0.000	0.000	100%	100%	0.00
	Aug	0.017	0.017	0.000	0.000	0.000	100%	100%	0.00
	Sep	0.017	0.017	0.000	0.000	0.000	100%	100%	0.00
	Oct	0.017	0.017	0.000	0.000	0.000	100%	100%	0.00
	Nov	0.017	0.017	0.000	0.000	0.000	100%	100%	0.00
	Dec	0.020	0.020	0.000	0.000	0.000	100%	100%	0.00
2025	Jan	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	Feb	0.017	0.017	0.000	0.000	0.000	100%	100%	0.00
	Mar	0.017	0.017	0.000	0.000	0.000	100%	100%	0.00
	Apr	0.017	0.017	0.000	0.000	0.000	100%	100%	0.00
	May	0.017	0.017	0.000	0.000	0.000	100%	100%	0.00
	Jun	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	Jul	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	Aug	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	Sep	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	Oct	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	Nov	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	Dec	0.022	0.022	0.000	0.000	0.000	100%	100%	0.00
2026	Jan	0.022	0.022	0.000	0.000	0.000	100%	100%	0.00
	Feb	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	Mar	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	Apr	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	May	0.018	0.018	0.000	0.000	0.000	100%	100%	0.00
	Jun	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Jul	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	Aug	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	Sep	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	Oct	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	Nov	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	Dec	0.023	0.023	0.000	0.000	0.000	100%	100%	0.00
2027	Jan	0.023	0.023	0.000	0.000	0.000	100%	100%	0.00
	Feb	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	Mar	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	Apr	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	May	0.019	0.019	0.000	0.000	0.000	100%	100%	0.00
	Jun	0.020	0.020	0.000	0.000	0.000	100%	100%	0.00
	Jul	0.020	0.020	0.000	0.000	0.000	100%	100%	0.00
	Aug	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	Sep	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	Oct	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	Nov	0.020	0.020	0.000	0.000	0.000	100%	100%	0.00
	Dec	0.024	0.024	0.000	0.000	0.000	100%	100%	0.00
2028	Jan	0.025	0.025	0.000	0.000	0.000	100%	100%	0.00
	Feb	0.020	0.020	0.000	0.000	0.000	100%	100%	0.00
	Mar	0.020	0.020	0.000	0.000	0.000	100%	100%	0.00
	Apr	0.020	0.020	0.000	0.000	0.000	100%	100%	0.00
	May	0.020	0.020	0.000	0.000	0.000	100%	100%	0.00
	Jun	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	Jul	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	Aug	0.022	0.022	0.000	0.000	0.000	100%	100%	0.00
	Sep	0.022	0.022	0.000	0.000	0.000	100%	100%	0.00
	Oct	0.022	0.022	0.000	0.000	0.000	100%	100%	0.00
	Nov	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	Dec	0.026	0.026	0.000	0.000	0.000	100%	100%	0.00
2029	Jan	0.026	0.026	0.000	0.000	0.000	100%	100%	0.00
	Feb	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00

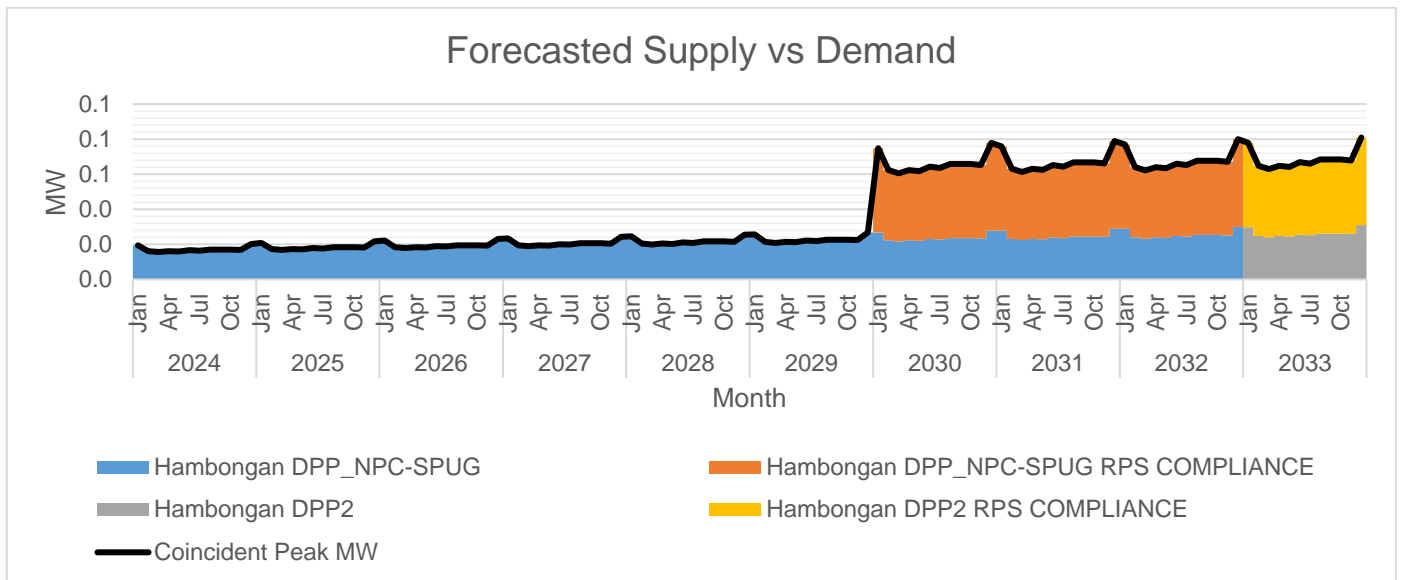
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Mar	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	Apr	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	May	0.021	0.021	0.000	0.000	0.000	100%	100%	0.00
	Jun	0.022	0.022	0.000	0.000	0.000	100%	100%	0.00
	Jul	0.022	0.022	0.000	0.000	0.000	100%	100%	0.00
	Aug	0.023	0.023	0.000	0.000	0.000	100%	100%	0.00
	Sep	0.023	0.023	0.000	0.000	0.000	100%	100%	0.00
	Oct	0.023	0.023	0.000	0.000	0.000	100%	100%	0.00
	Nov	0.022	0.022	0.000	0.000	0.000	100%	100%	0.00
	Dec	0.027	0.027	0.000	0.000	0.000	100%	100%	0.00
2030	Jan	0.075	0.075	0.000	0.000	0.000	100%	100%	0.00
	Feb	0.062	0.062	0.000	0.000	0.000	100%	100%	0.00
	Mar	0.060	0.060	0.000	0.000	0.000	100%	100%	0.00
	Apr	0.062	0.062	0.000	0.000	0.000	100%	100%	0.00
	May	0.062	0.062	0.000	0.000	0.000	100%	100%	0.00
	Jun	0.064	0.064	0.000	0.000	0.000	100%	100%	0.00
	Jul	0.063	0.063	0.000	0.000	0.000	100%	100%	0.00
	Aug	0.066	0.066	0.000	0.000	0.000	100%	100%	0.00
	Sep	0.066	0.066	0.000	0.000	0.000	100%	100%	0.00
	Oct	0.066	0.066	0.000	0.000	0.000	100%	100%	0.00
	Nov	0.065	0.065	0.000	0.000	0.000	100%	100%	0.00
	Dec	0.078	0.078	0.000	0.000	0.000	100%	100%	0.00
2031	Jan	0.076	0.076	0.000	0.000	0.000	100%	100%	0.00
	Feb	0.063	0.063	0.000	0.000	0.000	100%	100%	0.00
	Mar	0.061	0.061	0.000	0.000	0.000	100%	100%	0.00
	Apr	0.063	0.063	0.000	0.000	0.000	100%	100%	0.00
	May	0.063	0.063	0.000	0.000	0.000	100%	100%	0.00
	Jun	0.065	0.065	0.000	0.000	0.000	100%	100%	0.00
	Jul	0.064	0.064	0.000	0.000	0.000	100%	100%	0.00
	Aug	0.067	0.067	0.000	0.000	0.000	100%	100%	0.00
	Sep	0.067	0.067	0.000	0.000	0.000	100%	100%	0.00
	Oct	0.067	0.067	0.000	0.000	0.000	100%	100%	0.00

		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
	Nov	0.066	0.066	0.000	0.000	0.000	100%	100%	0.00
	Dec	0.079	0.079	0.000	0.000	0.000	100%	100%	0.00
2032	Jan	0.077	0.077	0.000	0.000	0.000	100%	100%	0.00
	Feb	0.064	0.064	0.000	0.000	0.000	100%	100%	0.00
	Mar	0.062	0.062	0.000	0.000	0.000	100%	100%	0.00
	Apr	0.064	0.064	0.000	0.000	0.000	100%	100%	0.00
	May	0.063	0.063	0.000	0.000	0.000	100%	100%	0.00
	Jun	0.066	0.066	0.000	0.000	0.000	100%	100%	0.00
	Jul	0.065	0.065	0.000	0.000	0.000	100%	100%	0.00
	Aug	0.068	0.068	0.000	0.000	0.000	100%	100%	0.00
	Sep	0.068	0.068	0.000	0.000	0.000	100%	100%	0.00
	Oct	0.068	0.068	0.000	0.000	0.000	100%	100%	0.00
	Nov	0.067	0.067	0.000	0.000	0.000	100%	100%	0.00
	Dec	0.080	0.080	0.000	0.000	0.000	100%	100%	0.00
2033	Jan	0.078	0.000	0.000	0.078	0.000	0%	100%	0.00
	Feb	0.065	0.000	0.000	0.065	0.000	0%	100%	0.00
	Mar	0.063	0.000	0.000	0.063	0.000	0%	100%	0.00
	Apr	0.065	0.000	0.000	0.065	0.000	0%	100%	0.00
	May	0.064	0.000	0.000	0.064	0.000	0%	100%	0.00
	Jun	0.067	0.000	0.000	0.067	0.000	0%	100%	0.00
	Jul	0.066	0.000	0.000	0.066	0.000	0%	100%	0.00
	Aug	0.068	0.000	0.000	0.068	0.000	0%	100%	0.00
	Sep	0.068	0.000	0.000	0.068	0.000	0%	100%	0.00
	Oct	0.068	0.000	0.000	0.068	0.000	0%	100%	0.00
	Nov	0.068	0.000	0.000	0.068	0.000	0%	100%	0.00
	Dec	0.081	0.000	0.000	0.081	0.000	0%	100%	0.00

Employing an Excel-based forecasting model, the Peak Demand was projected to peak in December due to high economic activities of small businesses in the island during holiday season. Conversely, the Monthly Peak Demand experiences its lowest point is in March, a phenomenon attributed to a shorter billing cycle, which effectively reduces the number of days in that particular month. In general, the Peak Demand is anticipated to exhibit a growth trajectory with an average annual rate of 24.90%.



The available supply is generally equal to the Demand. This is because the kWh meter reading used for NPC SPUG's billing to BOHECO I is identical to BOHECO I's meter reading for sales to the Island Barangays. This alignment stems from a clustering setup, employing a single meter known as the Mother Meter for meter reading. NPC SPUG also utilizes this Mother Meter.



Power Supply Contracting.



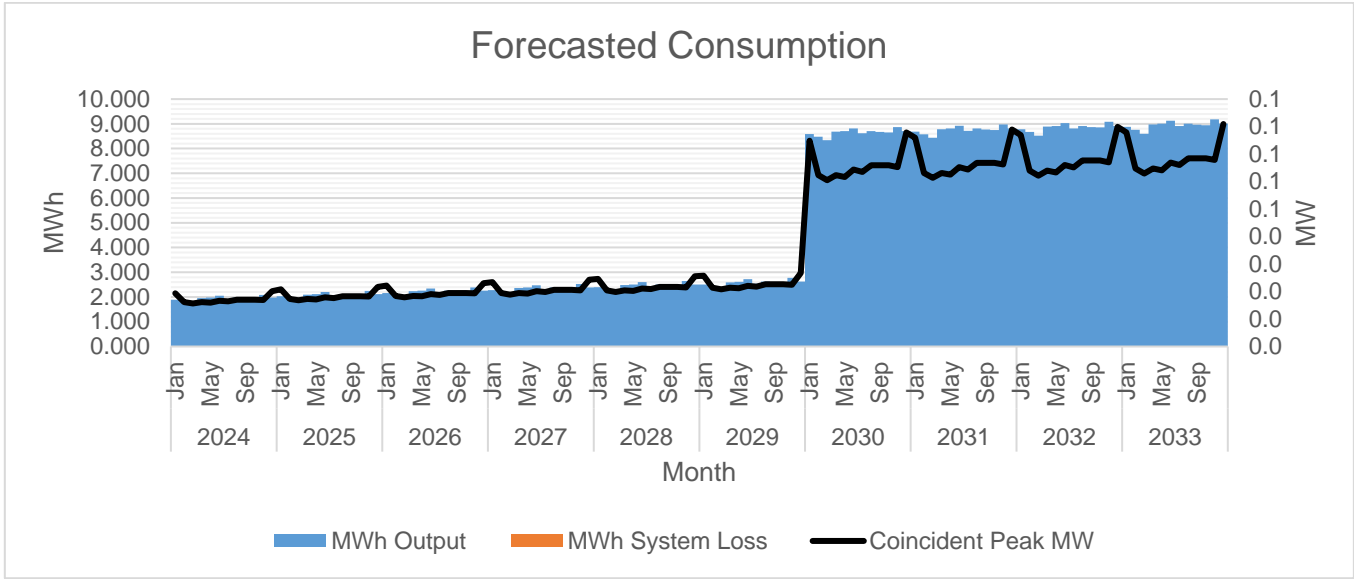
The highest target contracting level is 100% which is expected to occur in the entire contract period.

		MWh Offtake	MWh Output
2024	Jan	1.887	1.887
	Feb	1.811	1.811
	Mar	1.710	1.710
	Apr	1.957	1.957
	May	1.973	1.973
	Jun	2.052	2.052
	Jul	1.909	1.909
	Aug	1.976	1.976
	Sep	1.947	1.947
	Oct	1.935	1.935
	Nov	2.089	2.089
	Dec	1.976	1.976
2025	Jan	2.026	2.026
	Feb	1.945	1.945
	Mar	1.836	1.836
	Apr	2.101	2.101
	May	2.119	2.119
	Jun	2.203	2.203
	Jul	2.049	2.049
	Aug	2.122	2.122
	Sep	2.091	2.091
	Oct	2.077	2.077
	Nov	2.243	2.243
	Dec	2.122	2.122
2026	Jan	2.156	2.156
	Feb	2.070	2.070
	Mar	1.954	1.954
	Apr	2.236	2.236
	May	2.255	2.255
	Jun	2.345	2.345
	Jul	2.181	2.181
	Aug	2.258	2.258
	Sep	2.225	2.225
	Oct	2.211	2.211
	Nov	2.387	2.387
	Dec	2.258	2.258
2027	Jan	2.279	2.279
	Feb	2.187	2.187
	Mar	2.065	2.065
	Apr	2.363	2.363
	May	2.382	2.382
	Jun	2.478	2.478
	Jul	2.305	2.305
	Aug	2.386	2.386
	Sep	2.352	2.352

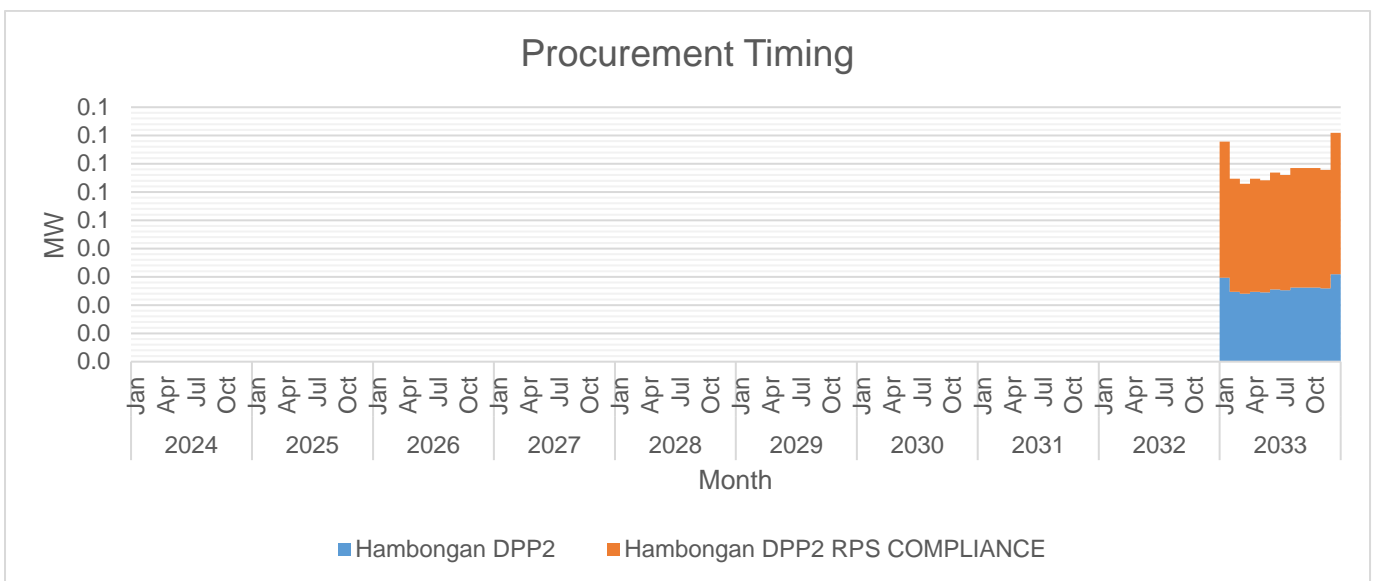
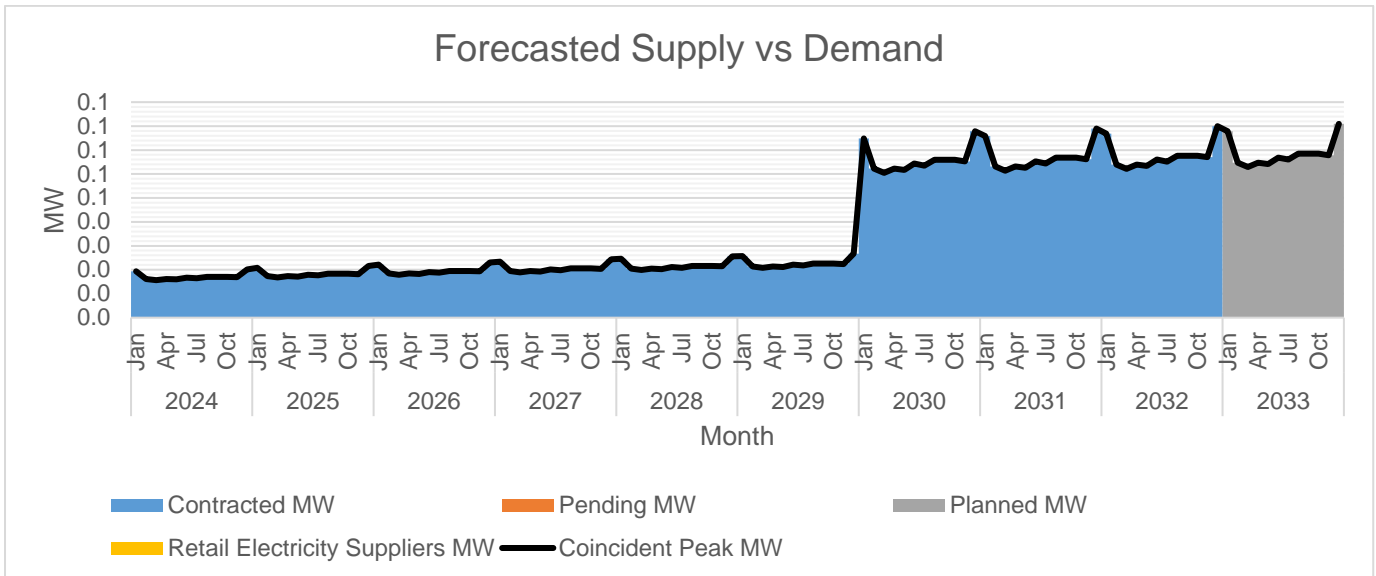
		MWh Offtake	MWh Output
	Oct	2.336	2.336
	Nov	2.522	2.522
	Dec	2.386	2.386
2028	Jan	2.394	2.394
	Feb	2.298	2.298
	Mar	2.169	2.169
	Apr	2.483	2.483
	May	2.503	2.503
	Jun	2.604	2.604
	Jul	2.422	2.422
	Aug	2.507	2.507
	Sep	2.471	2.471
	Oct	2.455	2.455
	Nov	2.650	2.650
	Dec	2.507	2.507
2029	Jan	2.504	2.504
	Feb	2.404	2.404
	Mar	2.269	2.269
	Apr	2.597	2.597
	May	2.618	2.618
	Jun	2.723	2.723
	Jul	2.533	2.533
	Aug	2.622	2.622
	Sep	2.584	2.584
	Oct	2.567	2.567
	Nov	2.772	2.772
	Dec	2.622	2.622
2030	Jan	8.586	8.586
	Feb	8.481	8.481
	Mar	8.341	8.341
	Apr	8.682	8.682
	May	8.705	8.705
	Jun	8.814	8.814
	Jul	8.616	8.616
	Aug	8.709	8.709
	Sep	8.669	8.669
	Oct	8.652	8.652
	Nov	8.864	8.864
	Dec	8.709	8.709
2031	Jan	8.686	8.686
	Feb	8.577	8.577
	Mar	8.431	8.431
	Apr	8.786	8.786
	May	8.809	8.809
	Jun	8.922	8.922
	Jul	8.717	8.717
	Aug	8.813	8.813
	Sep	8.772	8.772

		MWh Offtake	MWh Output
	Oct	8.754	8.754
	Nov	8.975	8.975
	Dec	8.813	8.813
2032	Jan	8.781	8.781
	Feb	8.669	8.669
	Mar	8.518	8.518
	Apr	8.885	8.885
	May	8.909	8.909
	Jun	9.026	9.026
	Jul	8.813	8.813
	Aug	8.913	8.913
	Sep	8.871	8.871
	Oct	8.852	8.852
	Nov	9.081	9.081
	Dec	8.913	8.913
2033	Jan	8.873	8.873
	Feb	8.757	8.757
	Mar	8.601	8.601
	Apr	8.980	8.980
	May	9.005	9.005
	Jun	9.126	9.126
	Jul	8.906	8.906
	Aug	9.009	9.009
	Sep	8.965	8.965
	Oct	8.946	8.946
	Nov	9.182	9.182
	Dec	9.010	9.010

MWh Offtake was forecasted using an Excel-based forecasting model. The assumed load factor averages at 13.15%.



MWh Output was expected to grow at an average rate of 28.05% annually.



The first wave of supply procurement will be for 0.024 MW minimum and 0.050 MW minimum from an eligible RE which is planned to be available on December 26, 2032. The planned CSP will address the forecasted demand requirement for the year 2033 onwards.

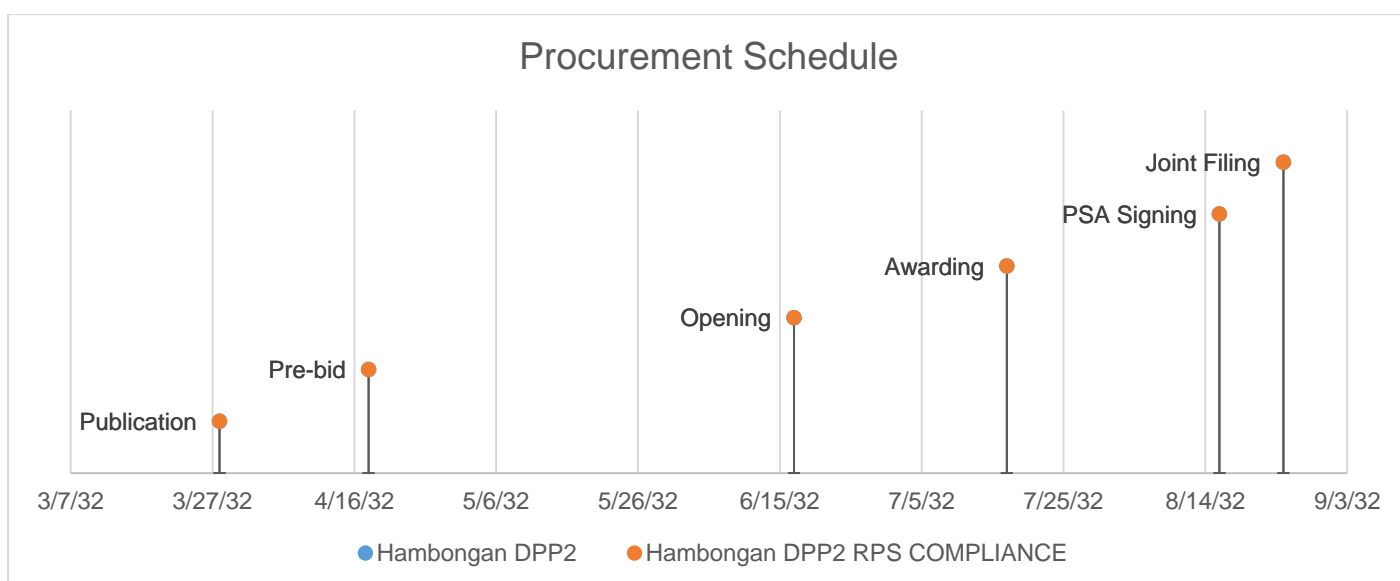
Power Supply

Case No.	Type	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
Hambongan DPP_NPC-SPUG	Base	National Power Corporation	0.013	40	12/26/2022	12/25/2032
Hambongan DPP_NPC-SPUG RPS COMPLIANCE	Base	National Power Corporation	0.050	72	12/26/2022	12/25/2032

The Power Supply Agreement (PSA) with Hambongan Island as well as other islands under the coverage area of BOHECO I was renewed up to ten years. Under Section 3 of the approved PSA states that, "This PSA shall remain in full force and effect for TEN (10) years from 26 December

2022 to 25 December 2032 covering the areas of Bagongbanwa, Balicasag, Batasan, Bilangbilangan, Cuaming, Hambongan, Mantatao, Mocaboc, Pamilacan, Pangapasan, and Ubay, renewable by mutual consent of the Parties.”

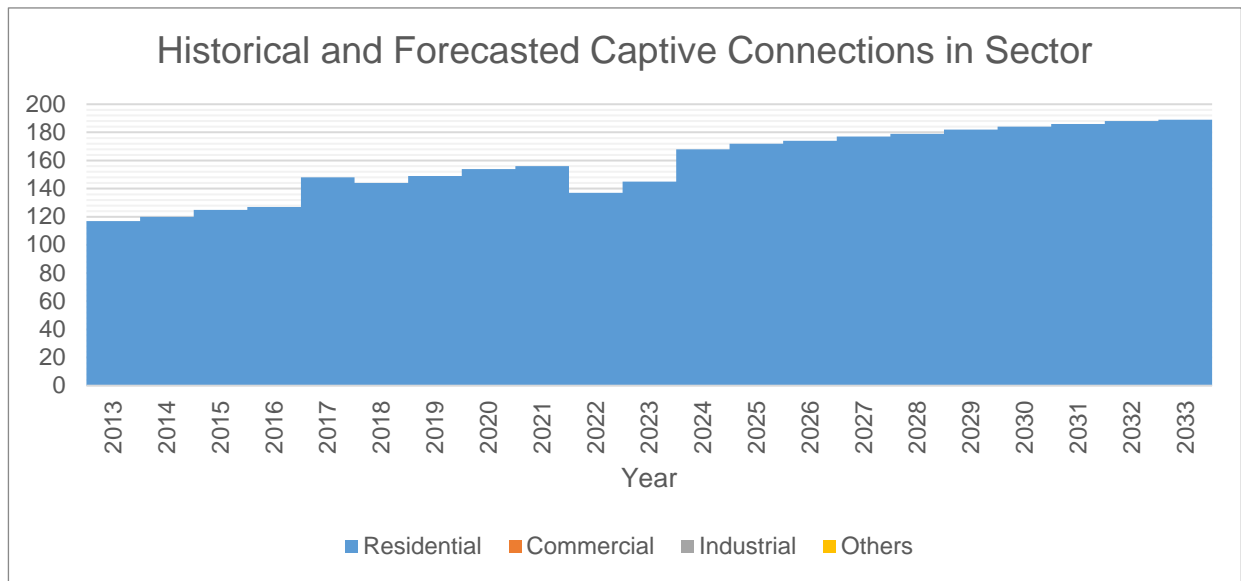
	Hambongan DPP2	Hambongan DPP2 RPS COMPLIANCE
Type	Base	Base
Minimum MW	0.024	0.050
Minimum MWh/yr	36	72
PSA Start	12/26/2032	12/26/2032
PSA End	12/25/2042	12/25/2042
Publication	3/28/2032	3/28/2032
Pre-bid	4/18/2032	4/18/2032
Opening	6/17/2032	6/17/2032
Awarding	7/17/2032	7/17/2032
PSA Signing	8/16/2032	8/16/2032
Joint Filing	8/25/2032	8/25/2032



For the procurement of 0.024 MW minimum and 0.050 MW minimum from an eligible RE which is planned to be available on December 26, 2032, the first publication or launch of CSP will be on March 28, 2032. The planned CSP will address the forecasted demand requirement of HAMBONGAN ISLAND.

Joint filing is planned on August 25, 2032. However, the above schedule is subject to change to comply the CSP rulings and/or the completeness of the CSP process.

Captive Customer Connections



The number of Residential connections is expected to grow at an average rate of 1.32% annually. Said customer class is expected to account for 100% of the total consumption.