# Power Supply Procurement Plan 2024

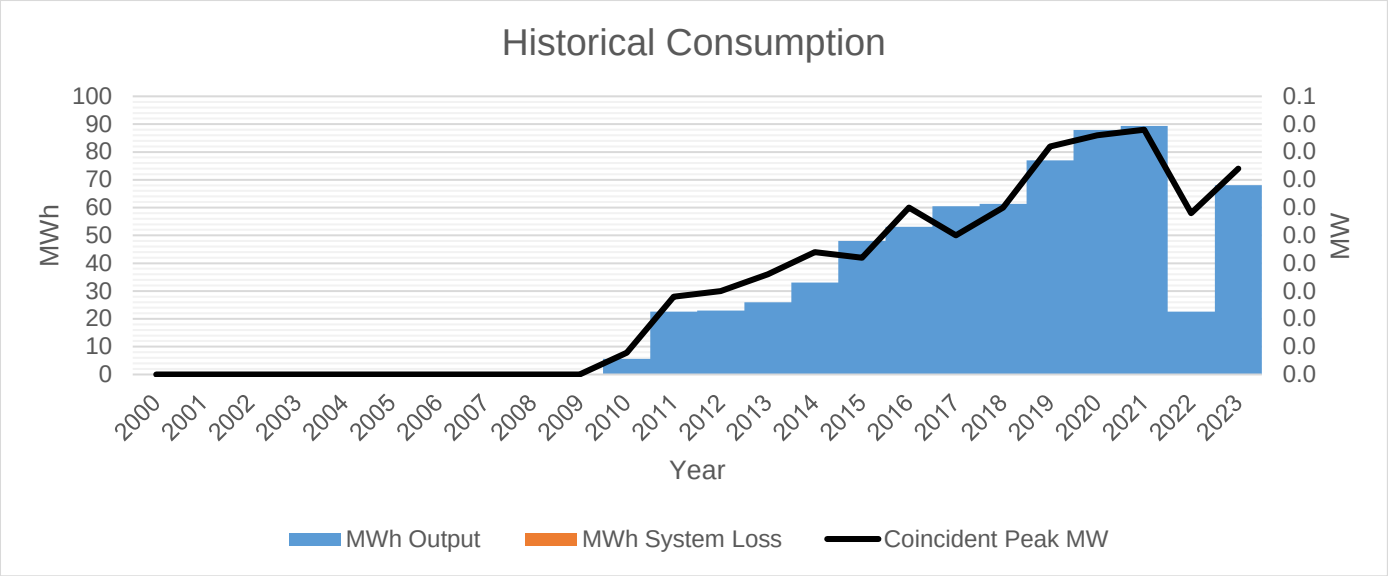
**BOHOL I ELECTRIC COOPERATIVE, INC.**
**(BOHECO I)**

**BAGONGBANWA ISLAND**

## Historical Consumption Data

| | Coincident Peak MW | MWh Offtake | WESM | MWh Input | MWh Output | Load Factor |
|---|---|---|---|---|---|---|
| 2010 | 0.004 | 6 | n/a | 6 | 6 | 16% |
| 2011 | 0.01 | 23 | n/a | 23 | 23 | 18% |
| 2012 | 0.02 | 23 | n/a | 23 | 23 | 18% |
| 2013 | 0.02 | 26 | n/a | 26 | 26 | 16% |
| 2014 | 0.02 | 33 | n/a | 33 | 33 | 17% |
| 2015 | 0.02 | 48 | n/a | 48 | 48 | 26% |
| 2016 | 0.03 | 53 | n/a | 53 | 53 | 20% |
| 2017 | 0.03 | 60 | n/a | 60 | 60 | 28% |
| 2018 | 0.03 | 61 | n/a | 61 | 61 | 23% |
| 2019 | 0.04 | 77 | n/a | 77 | 77 | 21% |
| 2020 | 0.04 | 88 | n/a | 88 | 88 | 23% |
| 2021 | 0.04 | 89 | n/a | 89 | 89 | 23% |
| 2022 | 0.03 | 23 | n/a | 23 | 23 | 9% |
| 2023 | 0.04 | 68 | n/a | 68 | 68 | 21% |

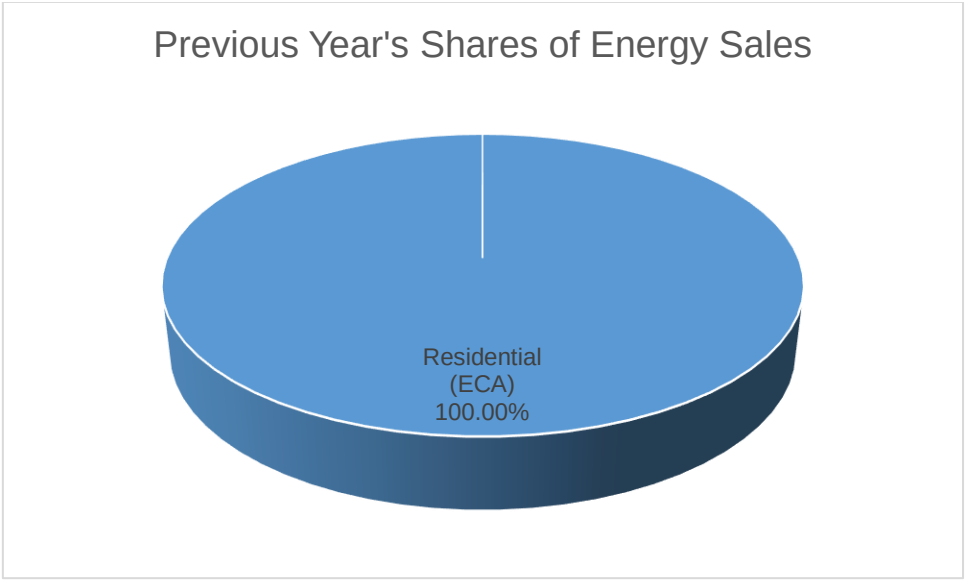
The above historical data was the only available/retrieved data as of the moment. The Peak Demand exhibited increase from 0.004 MW in 2010 to 0.04 MW in 2023 at an average rate of 26.78%. The MWh Offtake also increased from 6 MWh in 2010 to 68 MWh in 2023, marking a growth rate of 42.86% primarily attributed to the escalating load connections. Throughout this period, the Load Factor fluctuated from 9% to 28%. There was an abrupt change in consumption in year 2022 due to the occurrence of Typhoon Odette affecting the entire province of Bohol .



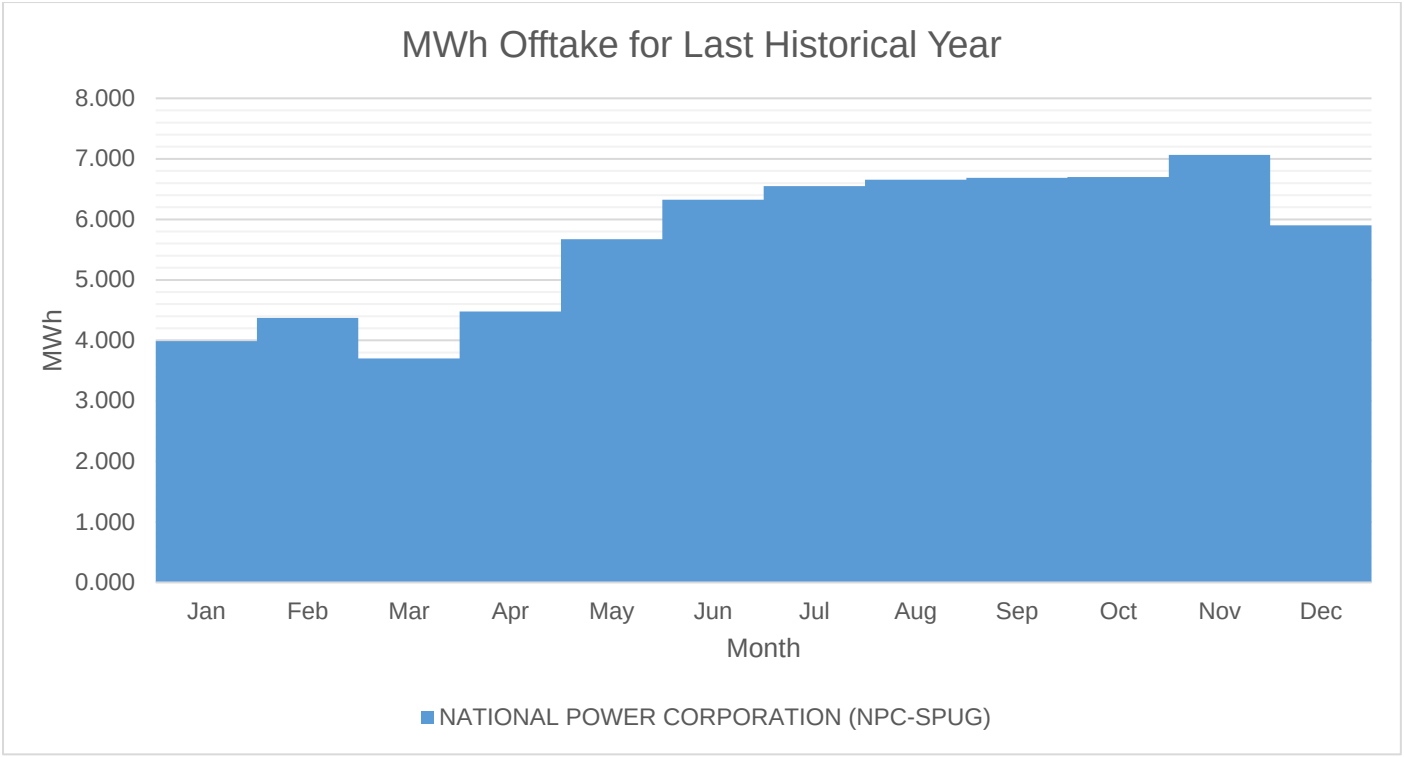

The above figure presents a graphical representation of energy consumption over the past years. The MWh Output demonstrated an increase from year 2010 to year 2023 with an average growth rate of 42.86%. On the other hand, the MWh Output in year 2022 significantly drops to -74.16% due to the occurrence of Typhoon Odette affecting the entire province of Bohol.

**System Loss**

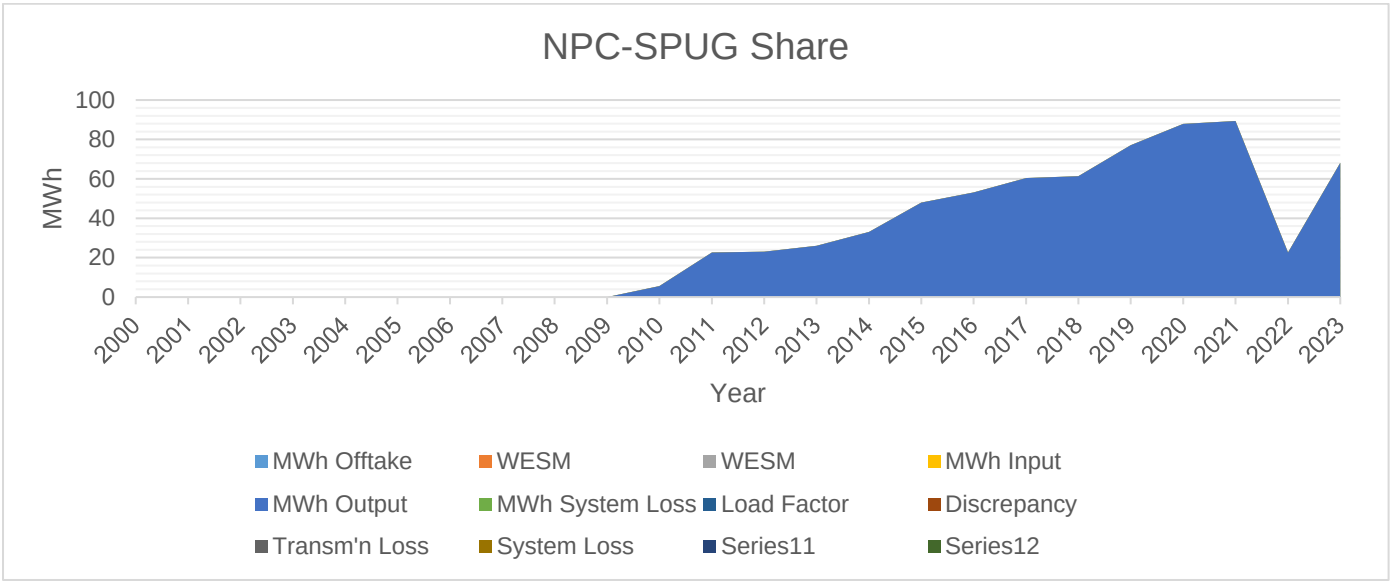
BOHECO I's report shows NO system loss in supplying power to Island Barangays through SPUG. This is because the kWh meter reading used for NPC SPUG's billing to BOHECO I is identical to BOHECO I's meter reading for sales to the Island Barangays. This alignment stems from a clustering setup, employing 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.

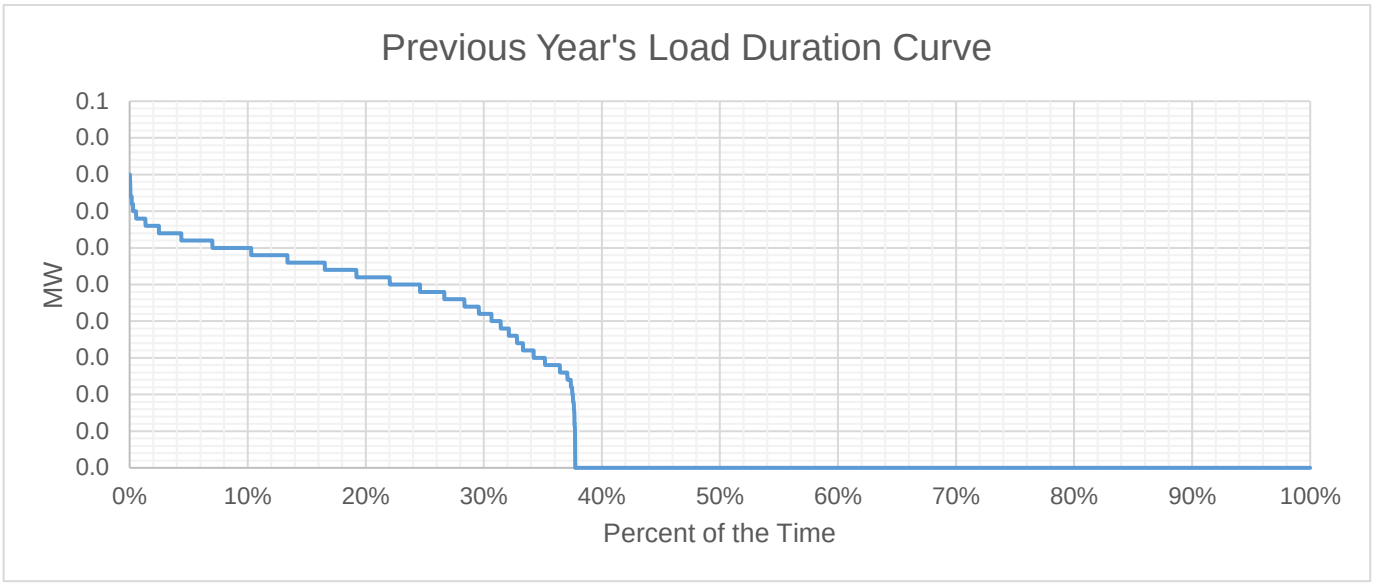



For NPC-SPUG, the total Offtake for the last historical year is lower than the quantity stipulated in the PSA. The PSA with NPC-SPUG constitutes solely for the MWh Offtake.

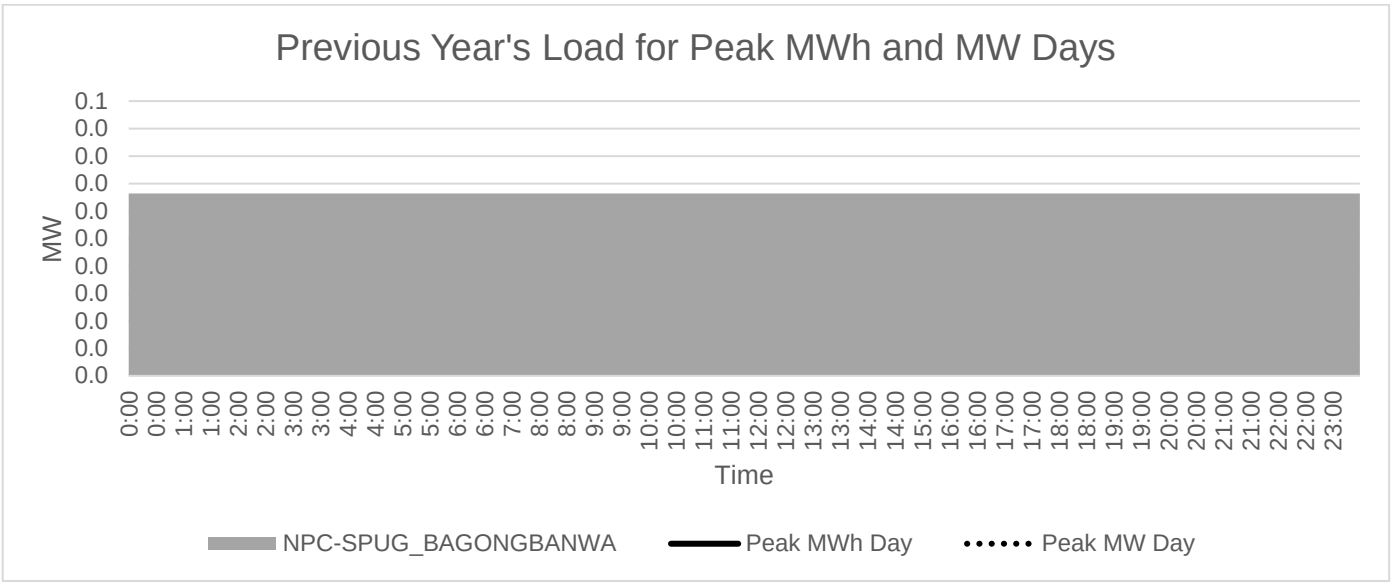



There is no share of WESM in the offtake since this is solely supplied by National Power Corporation – Small Power Utilities Group (NPC-SPUG).

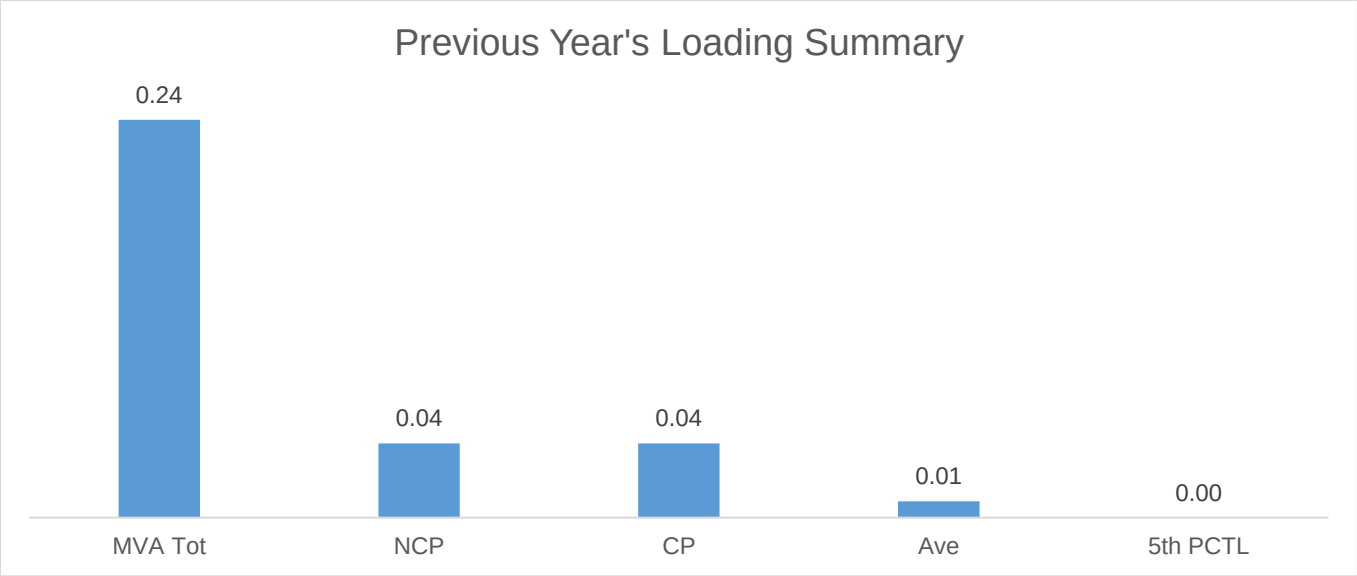
# Previous Year's Load Profile




Based on the Load Duration Curve, the minimum load is 0.005 MW and the maximum load is 0.044 MW for the last historical year. The normal operating hours for islands is from 8-10 hours per day.




Peak MW occurred on December 31, 2023. Peak daily MWh occurred on December 31, 2023 at 4:00 P.M.




The Non-coincident Peak Demand is 0.04 MW, which is around 20.49% of the total substation capacity of 0.236 MVA at a power factor of 91%. The load factor or the ratio between the Average Load of 0.0096 MW and the Non-coincident Peak Demand is 21.87%. A safe estimate of the true minimum load is the fifth percentile load of 0 MW.

| Metering Point | Substation MVA | Substation Peak MW |
|---|---|---|
| BAGONGBANWA | 0.236 | 0.044 |

No substation is loaded at 70% and above.

# Forecasted Consumption Data

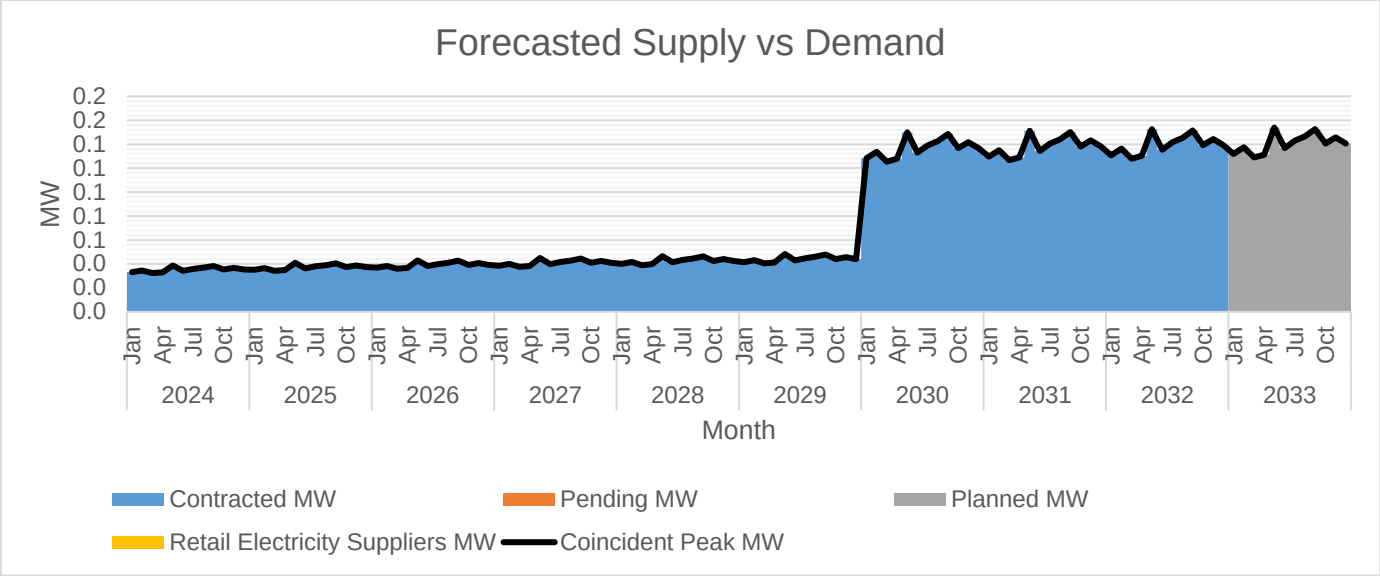
| | | Coincident Peak MW | Contracted MW | Pending MW | Planned MW | Retail Electricity Suppliers MW | Existing Contracting Level | Target Contracting Level | MW Surplus / Deficit |
|---|---|---|---|---|---|---|---|---|---|
| 2024 | Jan | 0.033 | 0.033 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Feb | 0.035 | 0.035 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Mar | 0.032 | 0.032 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Apr | 0.033 | 0.033 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | May | 0.039 | 0.039 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jun | 0.034 | 0.034 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jul | 0.036 | 0.036 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Aug | 0.037 | 0.037 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Sep | 0.038 | 0.038 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Oct | 0.035 | 0.035 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Nov | 0.037 | 0.037 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Dec | 0.035 | 0.035 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| 2025 | Jan | 0.035 | 0.035 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Feb | 0.037 | 0.037 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Mar | 0.034 | 0.034 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Apr | 0.035 | 0.035 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | May | 0.041 | 0.041 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jun | 0.036 | 0.036 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jul | 0.038 | 0.038 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Aug | 0.039 | 0.039 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Sep | 0.041 | 0.041 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Oct | 0.037 | 0.037 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Nov | 0.039 | 0.039 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Dec | 0.037 | 0.037 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| 2026 | Jan | 0.037 | 0.037 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Feb | 0.038 | 0.038 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Mar | 0.036 | 0.036 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Apr | 0.037 | 0.037 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | May | 0.043 | 0.043 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jun | 0.038 | 0.038 | 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 | 0.040 | 0.040 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Aug | 0.041 | 0.041 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Sep | 0.043 | 0.043 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Oct | 0.039 | 0.039 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Nov | 0.041 | 0.041 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Dec | 0.039 | 0.039 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| 2027 | Jan | 0.038 | 0.038 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Feb | 0.040 | 0.040 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Mar | 0.038 | 0.038 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Apr | 0.038 | 0.038 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | May | 0.045 | 0.045 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jun | 0.040 | 0.040 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jul | 0.042 | 0.042 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Aug | 0.043 | 0.043 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Sep | 0.045 | 0.045 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Oct | 0.041 | 0.041 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Nov | 0.042 | 0.042 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Dec | 0.041 | 0.041 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| 2028 | Jan | 0.040 | 0.040 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Feb | 0.042 | 0.042 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Mar | 0.039 | 0.039 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Apr | 0.040 | 0.040 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | May | 0.047 | 0.047 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jun | 0.041 | 0.041 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jul | 0.043 | 0.043 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Aug | 0.044 | 0.044 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Sep | 0.046 | 0.046 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Oct | 0.043 | 0.043 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Nov | 0.044 | 0.044 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Dec | 0.043 | 0.043 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| 2029 | Jan | 0.041 | 0.041 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Feb | 0.043 | 0.043 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |

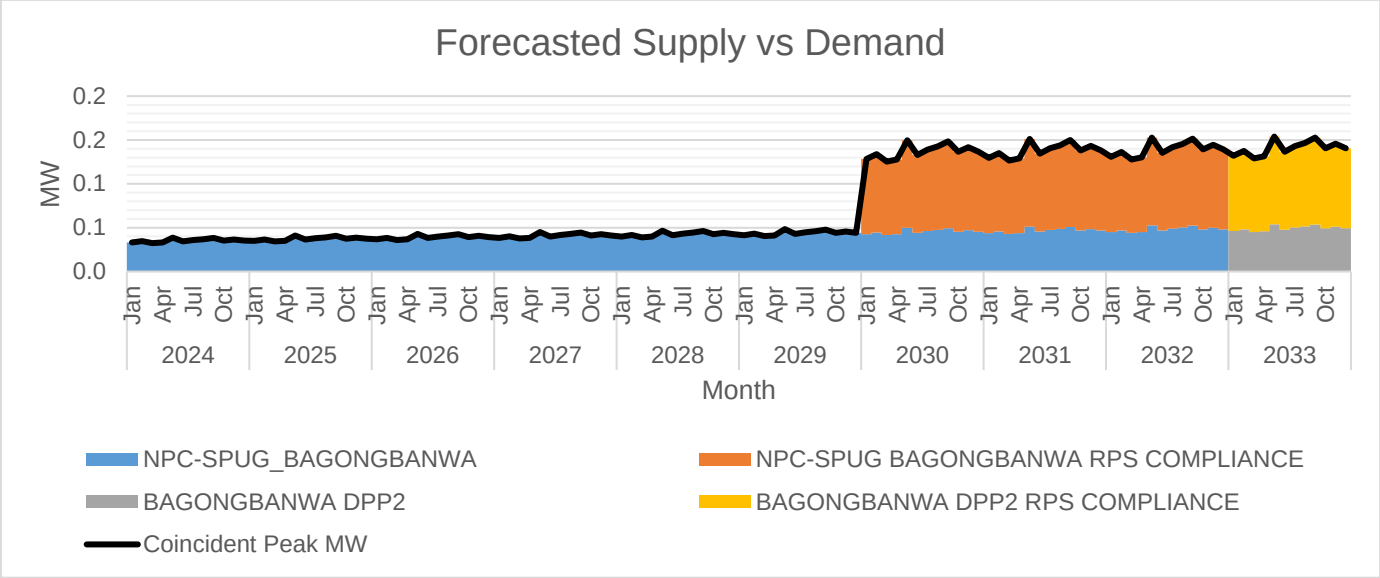
| | | Coincident Peak MW | Contracted MW | Pending MW | Planned MW | Retail Electricity Suppliers MW | Existing Contracting Level | Target Contracting Level | MW Surplus / Deficit |
|---|---|---|---|---|---|---|---|---|---|
| | Mar | 0.040 | 0.040 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Apr | 0.041 | 0.041 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | May | 0.048 | 0.048 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jun | 0.043 | 0.043 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jul | 0.045 | 0.045 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Aug | 0.046 | 0.046 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Sep | 0.048 | 0.048 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Oct | 0.044 | 0.044 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Nov | 0.046 | 0.046 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Dec | 0.044 | 0.044 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| 2030 | Jan | 0.128 | 0.128 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Feb | 0.134 | 0.134 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Mar | 0.125 | 0.125 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Apr | 0.128 | 0.128 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | May | 0.150 | 0.150 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jun | 0.133 | 0.133 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jul | 0.139 | 0.139 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Aug | 0.143 | 0.143 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Sep | 0.149 | 0.149 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Oct | 0.137 | 0.137 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Nov | 0.142 | 0.142 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Dec | 0.137 | 0.137 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| 2031 | Jan | 0.130 | 0.130 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Feb | 0.135 | 0.135 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Mar | 0.127 | 0.127 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Apr | 0.129 | 0.129 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | May | 0.151 | 0.151 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jun | 0.134 | 0.134 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jul | 0.140 | 0.140 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Aug | 0.144 | 0.144 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Sep | 0.150 | 0.150 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Oct | 0.138 | 0.138 | 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 | 0.143 | 0.143 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Dec | 0.138 | 0.138 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| 2032 | Jan | 0.131 | 0.131 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Feb | 0.136 | 0.136 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Mar | 0.128 | 0.128 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Apr | 0.130 | 0.130 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | May | 0.153 | 0.153 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jun | 0.136 | 0.136 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Jul | 0.142 | 0.142 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Aug | 0.145 | 0.145 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Sep | 0.151 | 0.151 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Oct | 0.139 | 0.139 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Nov | 0.144 | 0.144 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| | Dec | 0.139 | 0.139 | 0.000 | 0.000 | 0.000 | 100% | 100% | 0.00 |
| 2033 | Jan | 0.132 | 0.000 | 0.000 | 0.132 | 0.000 | 0% | 100% | 0.00 |
| | Feb | 0.137 | 0.000 | 0.000 | 0.137 | 0.000 | 0% | 100% | 0.00 |
| | Mar | 0.129 | 0.000 | 0.000 | 0.129 | 0.000 | 0% | 100% | 0.00 |
| | Apr | 0.131 | 0.000 | 0.000 | 0.131 | 0.000 | 0% | 100% | 0.00 |
| | May | 0.154 | 0.000 | 0.000 | 0.154 | 0.000 | 0% | 100% | 0.00 |
| | Jun | 0.137 | 0.000 | 0.000 | 0.137 | 0.000 | 0% | 100% | 0.00 |
| | Jul | 0.143 | 0.000 | 0.000 | 0.143 | 0.000 | 0% | 100% | 0.00 |
| | Aug | 0.147 | 0.000 | 0.000 | 0.147 | 0.000 | 0% | 100% | 0.00 |
| | Sep | 0.153 | 0.000 | 0.000 | 0.153 | 0.000 | 0% | 100% | 0.00 |
| | Oct | 0.140 | 0.000 | 0.000 | 0.140 | 0.000 | 0% | 100% | 0.00 |
| | Nov | 0.146 | 0.000 | 0.000 | 0.146 | 0.000 | 0% | 100% | 0.00 |
| | Dec | 0.140 | 0.000 | 0.000 | 0.140 | 0.000 | 0% | 100% | 0.00 |

Employing an Excel-based forecasting model, the Peak Demand was projected to peak in May due to high temperature and high economic activities of small businesses in the island during summer 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 26.26%.




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.**

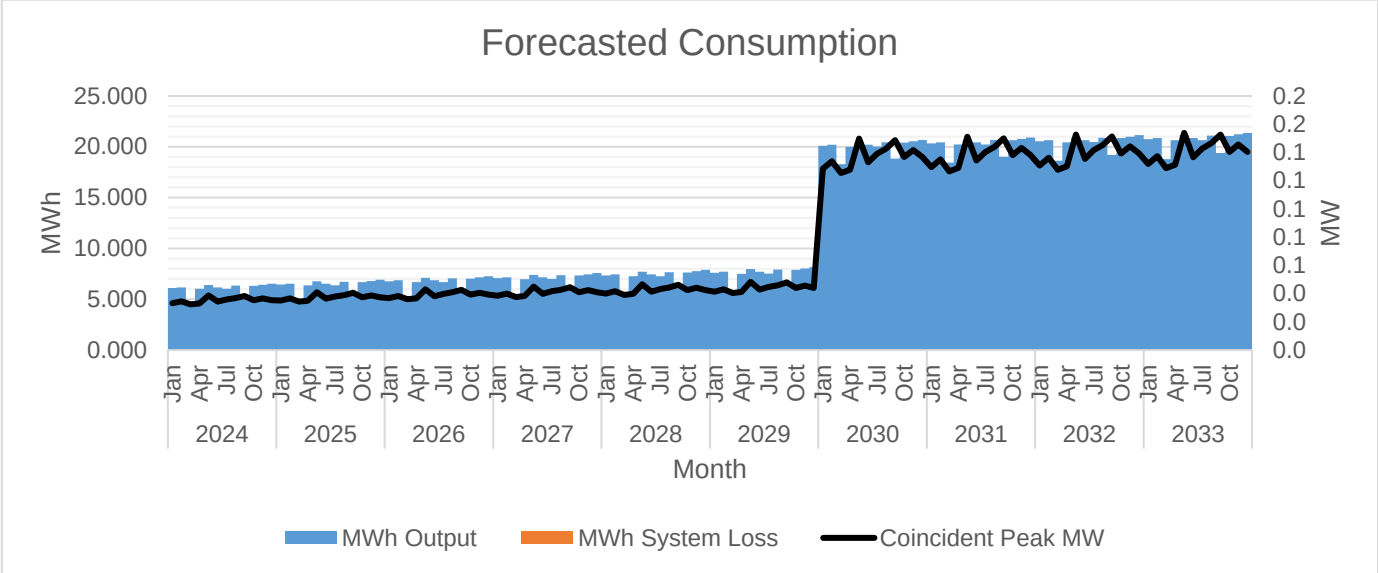
The highest target contracting level is 100% which is expected to occur in the entire contract period.

| | | MWh Offtake | MWh Output |
|---|---|---|---|
| 2024 | Jan | 6.098 | 6.098 |
| | Feb | 6.175 | 6.175 |
| | Mar | 4.681 | 4.681 |
| | Apr | 6.019 | 6.019 |
| | May | 6.388 | 6.388 |
| | Jun | 6.173 | 6.173 |
| | Jul | 6.031 | 6.031 |
| | Aug | 6.351 | 6.351 |
| | Sep | 5.115 | 5.115 |
| | Oct | 6.330 | 6.330 |
| | Nov | 6.433 | 6.433 |
| | Dec | 6.542 | 6.542 |
| 2025 | Jan | 6.452 | 6.452 |
| | Feb | 6.534 | 6.534 |
| | Mar | 4.953 | 4.953 |
| | Apr | 6.368 | 6.368 |
| | May | 6.759 | 6.759 |
| | Jun | 6.531 | 6.531 |
| | Jul | 6.381 | 6.381 |
| | Aug | 6.720 | 6.720 |
| | Sep | 5.412 | 5.412 |
| | Oct | 6.698 | 6.698 |
| | Nov | 6.806 | 6.806 |
| | Dec | 6.921 | 6.921 |
| 2026 | Jan | 6.776 | 6.776 |
| | Feb | 6.862 | 6.862 |
| | Mar | 5.202 | 5.202 |
| | Apr | 6.687 | 6.687 |
| | May | 7.098 | 7.098 |
| | Jun | 6.859 | 6.859 |
| | Jul | 6.701 | 6.701 |
| | Aug | 7.057 | 7.057 |
| | Sep | 5.683 | 5.683 |
| | Oct | 7.034 | 7.034 |
| | Nov | 7.148 | 7.148 |
| | Dec | 7.269 | 7.269 |
| 2027 | Jan | 7.074 | 7.074 |
| | Feb | 7.164 | 7.164 |
| | Mar | 5.431 | 5.431 |
| | Apr | 6.982 | 6.982 |
| | May | 7.410 | 7.410 |
| | Jun | 7.161 | 7.161 |
| | Jul | 6.996 | 6.996 |
| | Aug | 7.368 | 7.368 |
| | Sep | 5.933 | 5.933 |
| | Oct | 7.343 | 7.343 |
| | Nov | 7.462 | 7.462 |
| | Dec | 7.589 | 7.589 |
| 2028 | Jan | 7.351 | 7.351 |

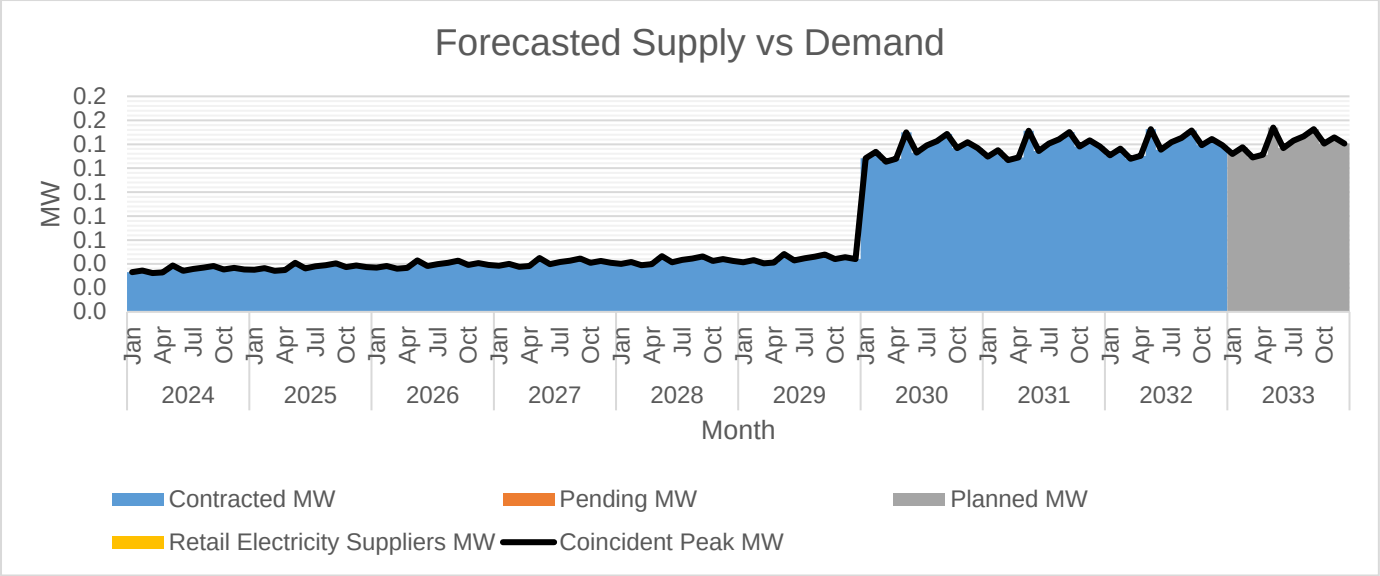
| | | MWh Offtake | MWh Output |
|---|---|---|---|
| | Feb | 7.444 | 7.444 |
| | Mar | 5.643 | 5.643 |
| | Apr | 7.255 | 7.255 |
| | May | 7.700 | 7.700 |
| | Jun | 7.441 | 7.441 |
| | Jul | 7.270 | 7.270 |
| | Aug | 7.656 | 7.656 |
| | Sep | 6.166 | 6.166 |
| | Oct | 7.631 | 7.631 |
| | Nov | 7.754 | 7.754 |
| | Dec | 7.885 | 7.885 |
| 2029 | Jan | 7.609 | 7.609 |
| | Feb | 7.705 | 7.705 |
| | Mar | 5.841 | 5.841 |
| | Apr | 7.510 | 7.510 |
| | May | 7.970 | 7.970 |
| | Jun | 7.702 | 7.702 |
| | Jul | 7.525 | 7.525 |
| | Aug | 7.925 | 7.925 |
| | Sep | 6.382 | 6.382 |
| | Oct | 7.899 | 7.899 |
| | Nov | 8.027 | 8.027 |
| | Dec | 8.162 | 8.162 |
| 2030 | Jan | 20.109 | 20.109 |
| | Feb | 20.208 | 20.208 |
| | Mar | 18.285 | 18.285 |
| | Apr | 20.006 | 20.006 |
| | May | 20.482 | 20.482 |
| | Jun | 20.205 | 20.205 |
| | Jul | 20.022 | 20.022 |
| | Aug | 20.434 | 20.434 |
| | Sep | 18.843 | 18.843 |
| | Oct | 20.408 | 20.408 |
| | Nov | 20.540 | 20.540 |
| | Dec | 20.680 | 20.680 |
| 2031 | Jan | 20.337 | 20.337 |
| | Feb | 20.439 | 20.439 |
| | Mar | 18.460 | 18.460 |
| | Apr | 20.231 | 20.231 |
| | May | 20.720 | 20.720 |
| | Jun | 20.435 | 20.435 |
| | Jul | 20.247 | 20.247 |
| | Aug | 20.672 | 20.672 |
| | Sep | 19.034 | 19.034 |
| | Oct | 20.644 | 20.644 |
| | Nov | 20.780 | 20.780 |
| | Dec | 20.924 | 20.924 |
| 2032 | Jan | 20.552 | 20.552 |
| | Feb | 20.656 | 20.656 |
| | Mar | 18.625 | 18.625 |
| | Apr | 20.443 | 20.443 |

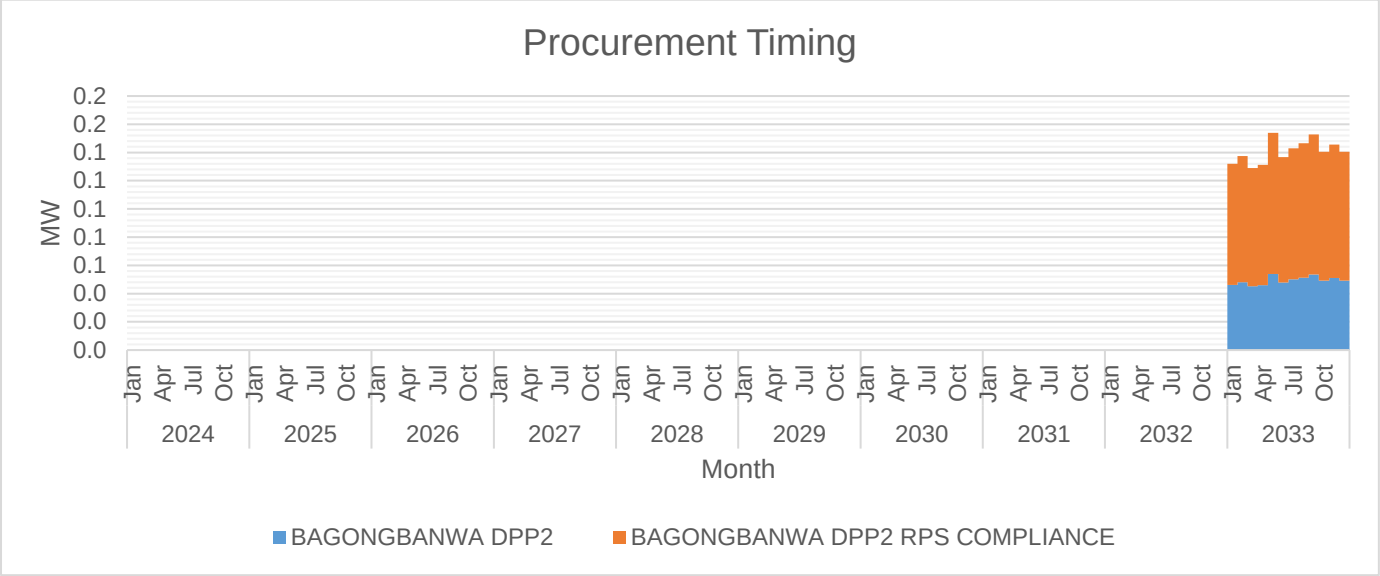
| | | MWh Offtake | MWh Output |
|---|---|---|---|
| | May | 20.945 | 20.945 |
| | Jun | 20.653 | 20.653 |
| | Jul | 20.460 | 20.460 |
| | Aug | 20.895 | 20.895 |
| | Sep | 19.214 | 19.214 |
| | Oct | 20.867 | 20.867 |
| | Nov | 21.006 | 21.006 |
| | Dec | 21.154 | 21.154 |
| 2033 | Jan | 20.755 | 20.755 |
| | Feb | 20.862 | 20.862 |
| | Mar | 18.781 | 18.781 |
| | Apr | 20.644 | 20.644 |
| | May | 21.158 | 21.158 |
| | Jun | 20.859 | 20.859 |
| | Jul | 20.661 | 20.661 |
| | Aug | 21.107 | 21.107 |
| | Sep | 19.385 | 19.385 |
| | Oct | 21.078 | 21.078 |
| | Nov | 21.221 | 21.221 |
| | Dec | 21.373 | 21.373 |

MWh Offtake was forecasted using an Excel-based forecasting model. The assumed load factor averages at 21.34%.




MWh Output was expected to grow at an average rate of 19.52% annually.




The first wave of supply procurement will be for 0.045 MW minimum and 0.10 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.

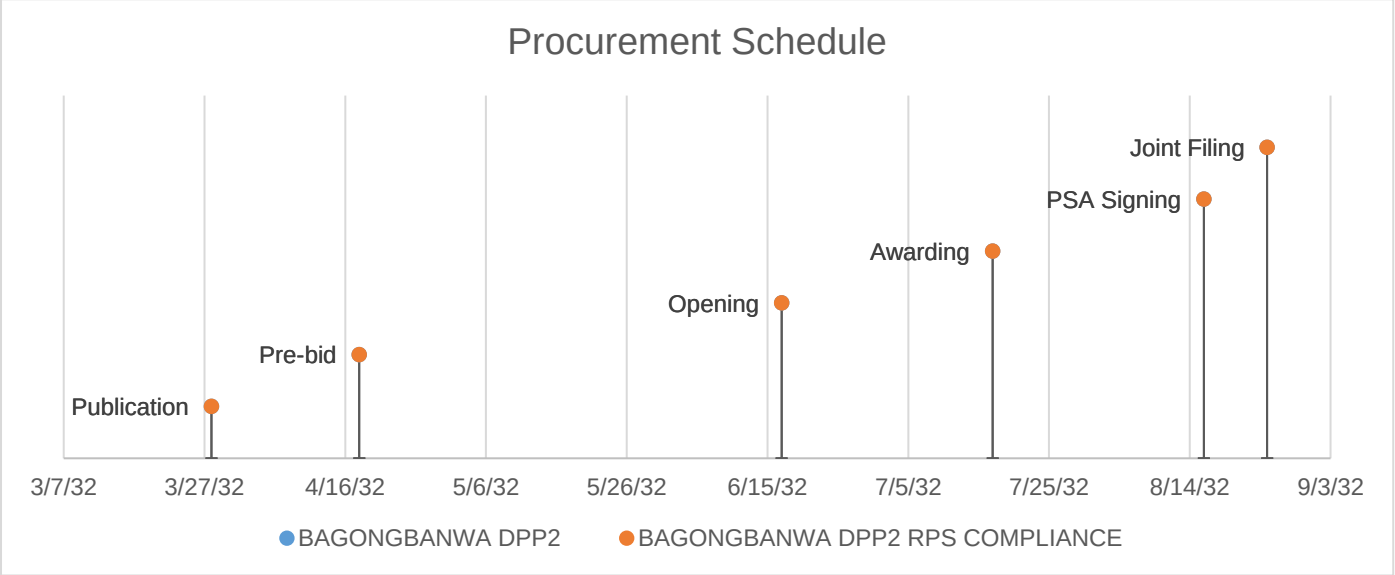
## Power Supply

| Case No. | Type | GenCo | Minimum MW | Minimum MWh/yr | PSA Start | PSA End |
|---|---|---|---|---|---|---|
| NPC-SPUG_BAGONGBANWA | Base | National Power Corporation | 0.032 | 72 | 12/26/2022 | 12/25/2032 |
| NPC-SPUG BAGONGBANWA RPS COMPLIANCE | Base | National Power Corporation | 0.10 | 147 | 12/26/2022 | 12/25/2032 |

The Power Supply Agreement (PSA) with Bagongbanwa 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*."

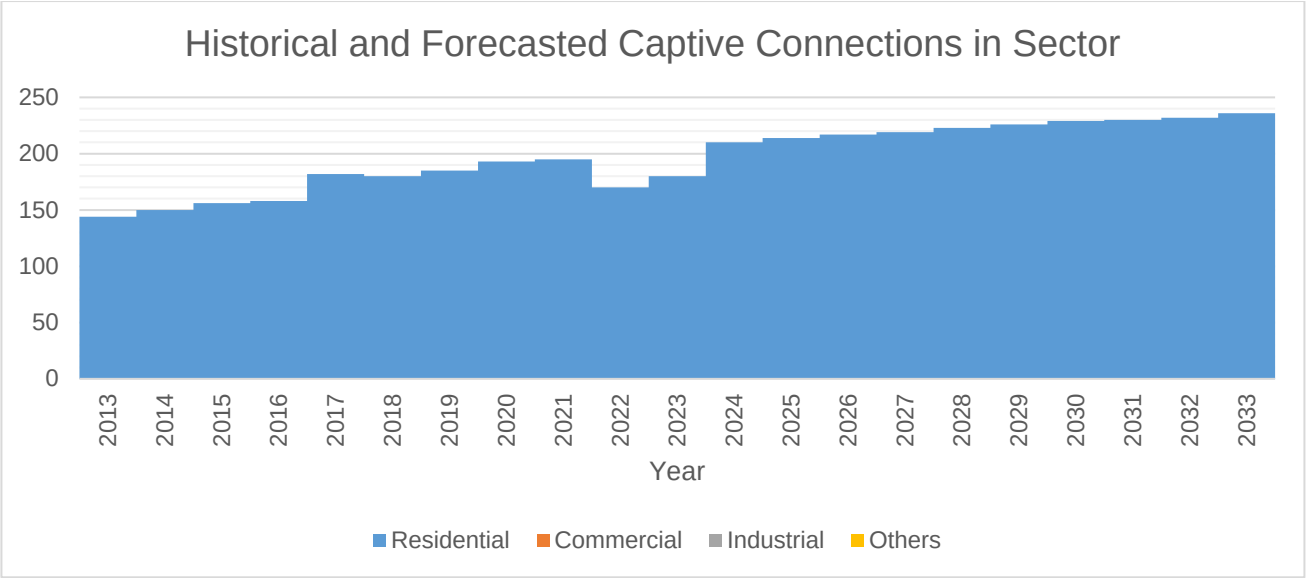
| | BAGONGBANWA DPP2 | BAGONGBANWA DPP2 RPS COMPLIANCE |
|---|---|---|
| Type | Base | Base |
| Minimum MW | 0.045 | 0.10 |
| Minimum MWh/yr | 101 | 147 |
| PSA Start | 12/26/2032 | 12/26/2032 |
| PSA End | 12/25/2042 | 12/25/2042 |
| Publication | 3/28/2032 | 3/28/2032 |
| Pre-bid | 4/18/2032 | 4/18/2032 |
| 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 0.045 MW minimum and 0.10 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 BAGONGBANWA 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 1.31% annually. Said customer class is expected to account for 100% of the total consumption.