

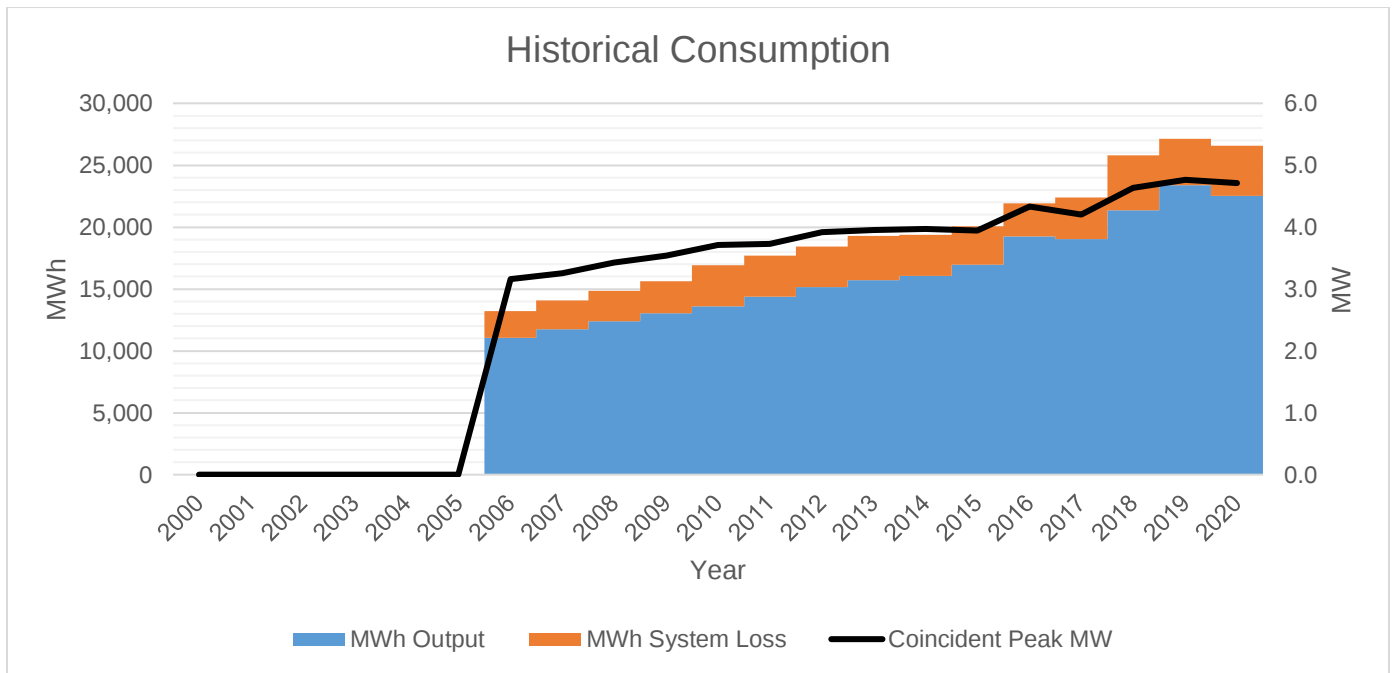
# **Power Supply Procurement Plan 2021**

**Camiguin Electric Cooperative, Inc.  
(CAMELCO)**

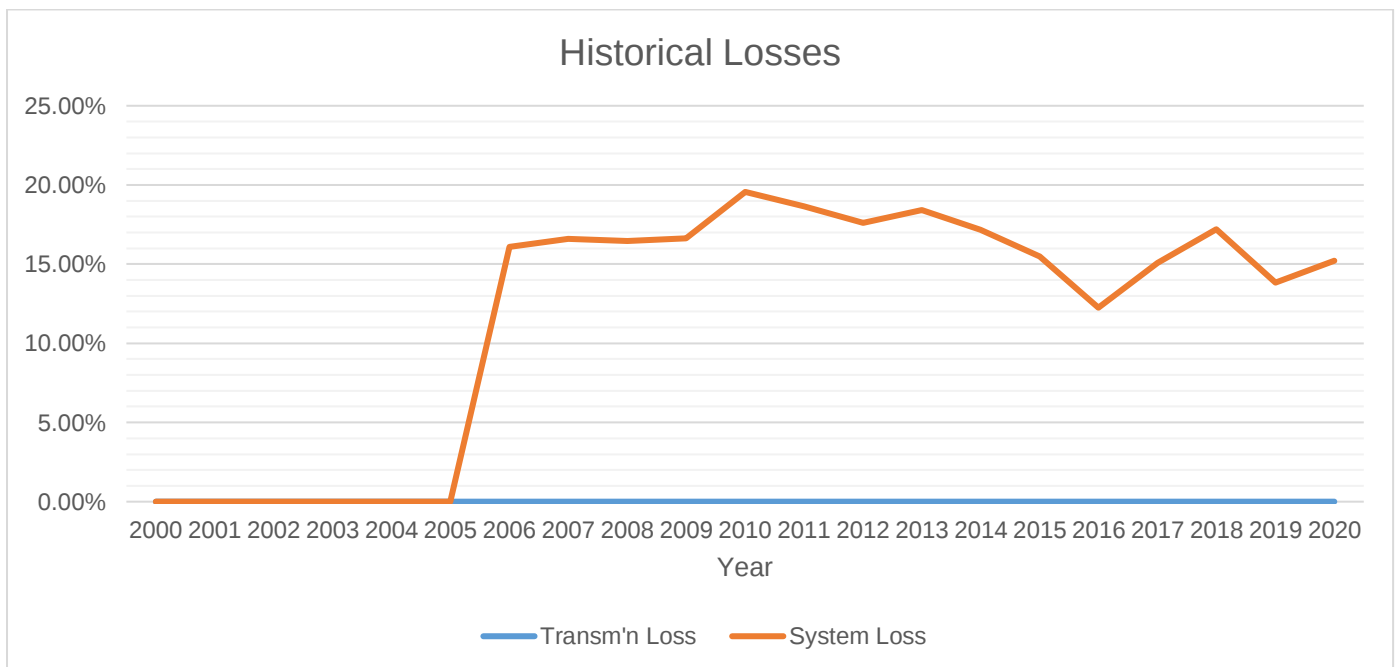
## Historical Consumption Data

|      | Coincident Peak MW | MWh Offtake | WESM | MWh Input | MWh Output | MWh System Loss | Load Factor | Discrepancy | Transm'n Loss | System Loss |
|------|--------------------|-------------|------|-----------|------------|-----------------|-------------|-------------|---------------|-------------|
| 2000 | 0.00               | 0           | 0    | 0         | 0          | 0               | #DIV/0!     | #DIV/0!     | #DIV/0!       | #DIV/0!     |
| 2001 | 0.00               | 0           | 0    | 0         | 0          | 0               | #DIV/0!     | #DIV/0!     | #DIV/0!       | #DIV/0!     |
| 2002 | 0.00               | 0           | 0    | 0         | 0          | 0               | #DIV/0!     | #DIV/0!     | #DIV/0!       | #DIV/0!     |
| 2003 | 0.00               | 0           | 0    | 0         | 0          | 0               | #DIV/0!     | #DIV/0!     | #DIV/0!       | #DIV/0!     |
| 2004 | 0.00               | 0           | 0    | 0         | 0          | 0               | #DIV/0!     | #DIV/0!     | #DIV/0!       | #DIV/0!     |
| 2005 | 0.00               | 0           | 0    | 0         | 0          | 0               | #DIV/0!     | #DIV/0!     | #DIV/0!       | #DIV/0!     |
| 2006 | 3.16               | 13,201      | 0    | 13,201    | 11,078     | 2,123           | 48%         | 0.00%       | 0.00%         | 16.08%      |
| 2007 | 3.25               | 14,063      | 0    | 14,063    | 11,728     | 2,335           | 49%         | 0.00%       | 0.00%         | 16.60%      |
| 2008 | 3.43               | 14,856      | 0    | 14,856    | 12,409     | 2,447           | 49%         | 0.00%       | 0.00%         | 16.47%      |
| 2009 | 3.54               | 15,646      | 0    | 15,646    | 13,046     | 2,600           | 51%         | 0.00%       | 0.00%         | 16.62%      |
| 2010 | 3.71               | 16,903      | 0    | 16,903    | 13,597     | 3,306           | 52%         | 0.00%       | 0.00%         | 19.56%      |
| 2011 | 3.73               | 17,695      | 0    | 17,695    | 14,396     | 3,299           | 54%         | 0.00%       | 0.00%         | 18.64%      |
| 2012 | 3.92               | 18,413      | 0    | 18,413    | 15,172     | 3,241           | 54%         | 0.00%       | 0.00%         | 17.60%      |
| 2013 | 3.95               | 19,277      | 0    | 19,277    | 15,725     | 3,552           | 56%         | 0.00%       | 0.00%         | 18.43%      |
| 2014 | 3.97               | 19,366      | 0    | 19,366    | 16,042     | 3,324           | 56%         | 0.00%       | 0.00%         | 17.16%      |
| 2015 | 3.94               | 20,064      | 0    | 20,064    | 16,959     | 3,105           | 58%         | 0.00%       | 0.00%         | 15.48%      |
| 2016 | 4.33               | 21,909      | 0    | 21,909    | 19,228     | 2,681           | 58%         | 0.00%       | 0.00%         | 12.24%      |
| 2017 | 4.20               | 22,399      | 0    | 22,399    | 19,024     | 3,375           | 61%         | 0.00%       | 0.00%         | 15.07%      |
| 2018 | 4.63               | 25,815      | 0    | 25,815    | 21,376     | 4,439           | 64%         | 0.00%       | 0.00%         | 17.19%      |
| 2019 | 4.76               | 27,130      | 0    | 27,130    | 23,377     | 3,753           | 65%         | 0.00%       | 0.00%         | 13.83%      |
| 2020 | 4.71               | 26,574      | 0    | 26,574    | 22,528     | 4,046           | 64%         | 0.00%       | 0.00%         | 15.23%      |

Peak Demand decreased from 4.76 MW in 2019 to 4.71 MW in 2020 at a rate of 1.05 % due to Pandemic of COVID 19 that occur in the country. Camiguin tourism suffer greatly during the inception of pandemic. MWh Offtake decreased from 27,130 MWh in 2019 to 26,574 MWh in 2020 at a rate of 2.05% due to pandemic. Within the same period, Load Factor ranged from 64% to 65%. There was an abrupt change in consumption on year 2019 to 2020 due to pandemic. Resorts and some commercial establishments in the island force to closed thus affecting the load of CAMELCO. Whereas also CAMELCO own use are all being metered, office use, motor pool, tender guard house and sub-office.

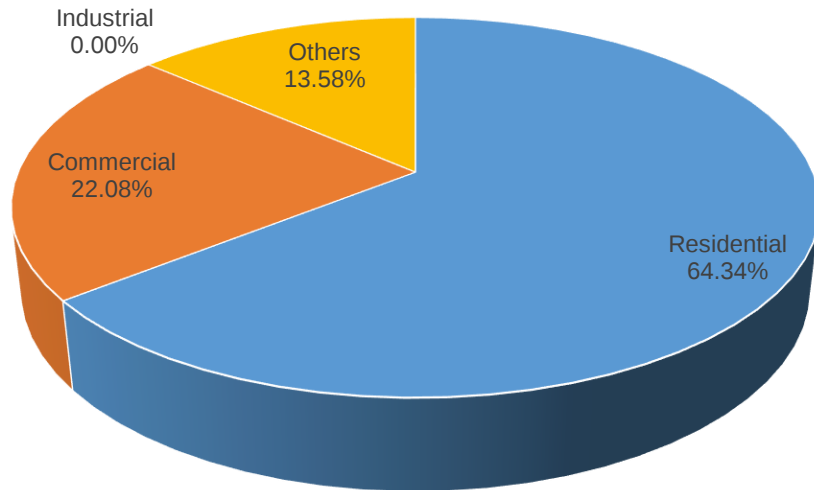


MWh Output decreased from year 2019 to year 2020 at a rate of 3.64%, while MWh System Loss increased at a rate of 7.81% within the same period.



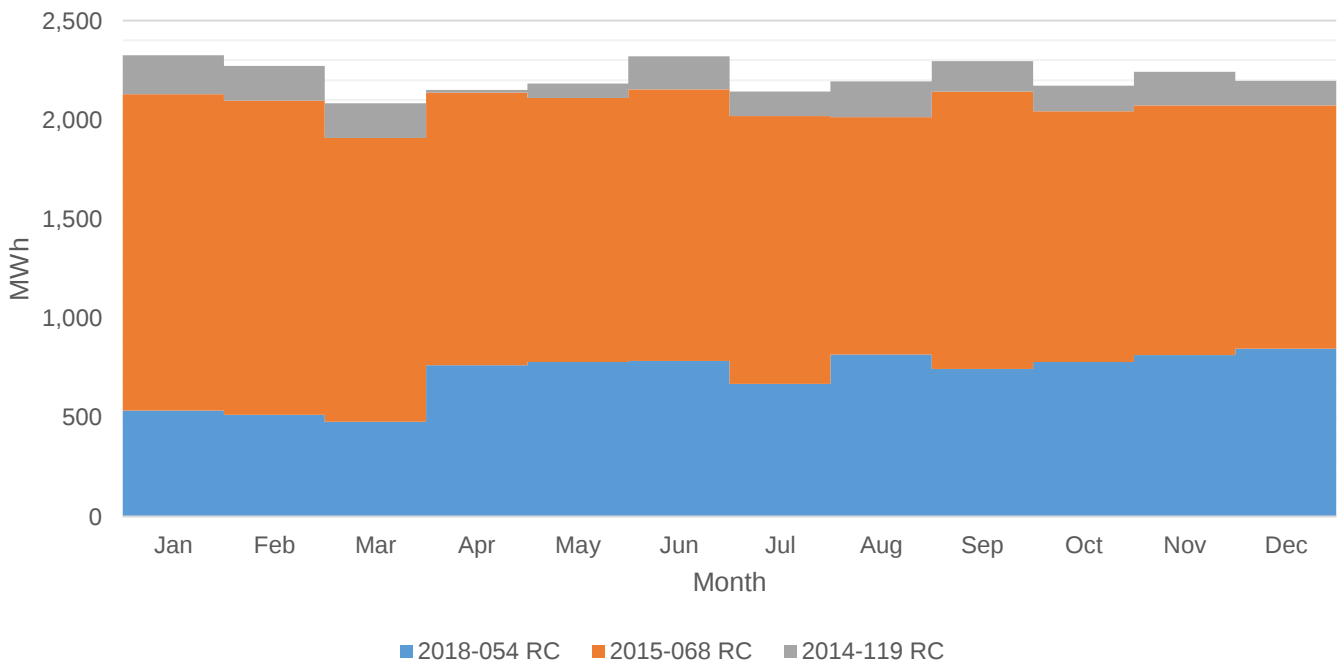
Historically, CAMELCO Transmission Loss was not yet accounted for since our connection point with NGCP at that time is in Esperanza, Kinoguitan, Misamis Oriental where our new 10 MVA substation previously 5 MVA is located. It was then last December 2018 our connection point in Cogon, Balingasag as per guide lines of PDC. But it was then early in the third quarter of year 2020 conducted feeder metering at Esperanza, Kinoguitan where 2 kWh meters are installed and Liong Switchyard in Camiguin where 2 kWh meters are installed. Historically, System Loss ranged from 19% to 12%.

### Previous Year's Shares of Energy Sales

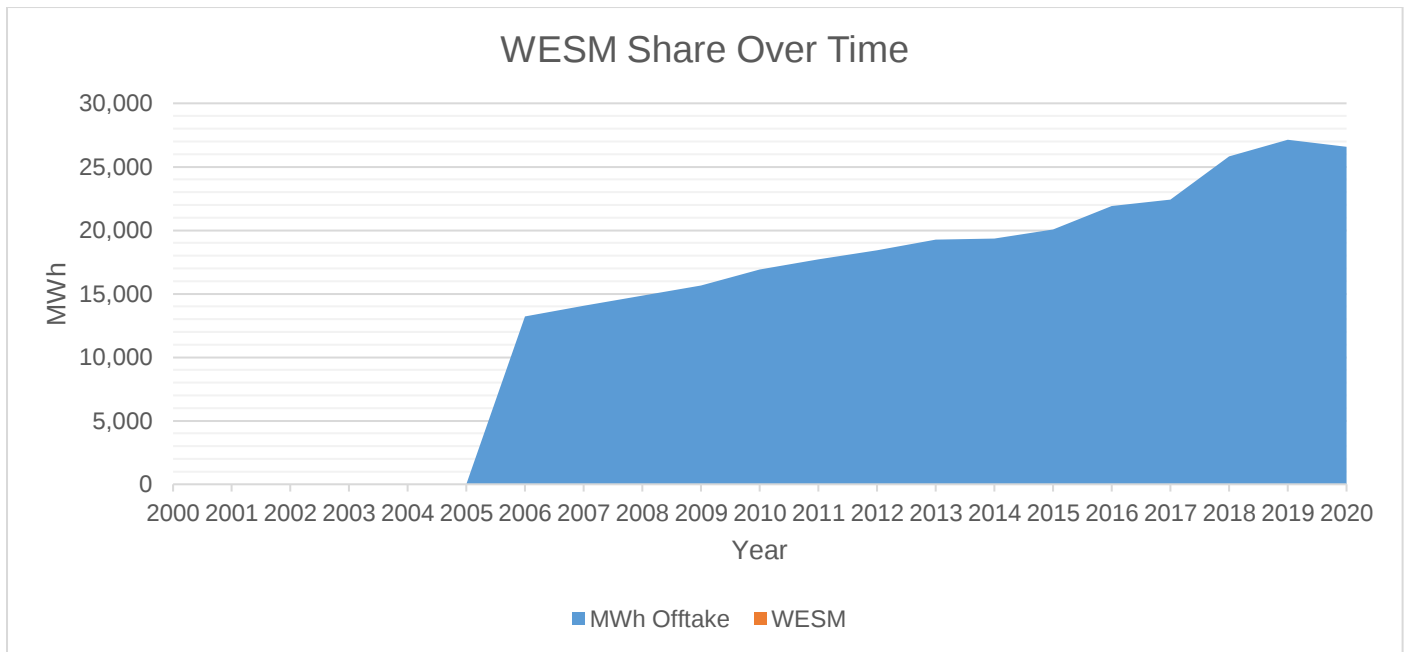


Residential customers account for the bulk of energy sales at 64.34% due to the high number of connections. In contrast, Public Building and Street Light customers accounted for only 13.58% of energy sales due to the low number of connections.

### MWh Offtake for Last Historical Year

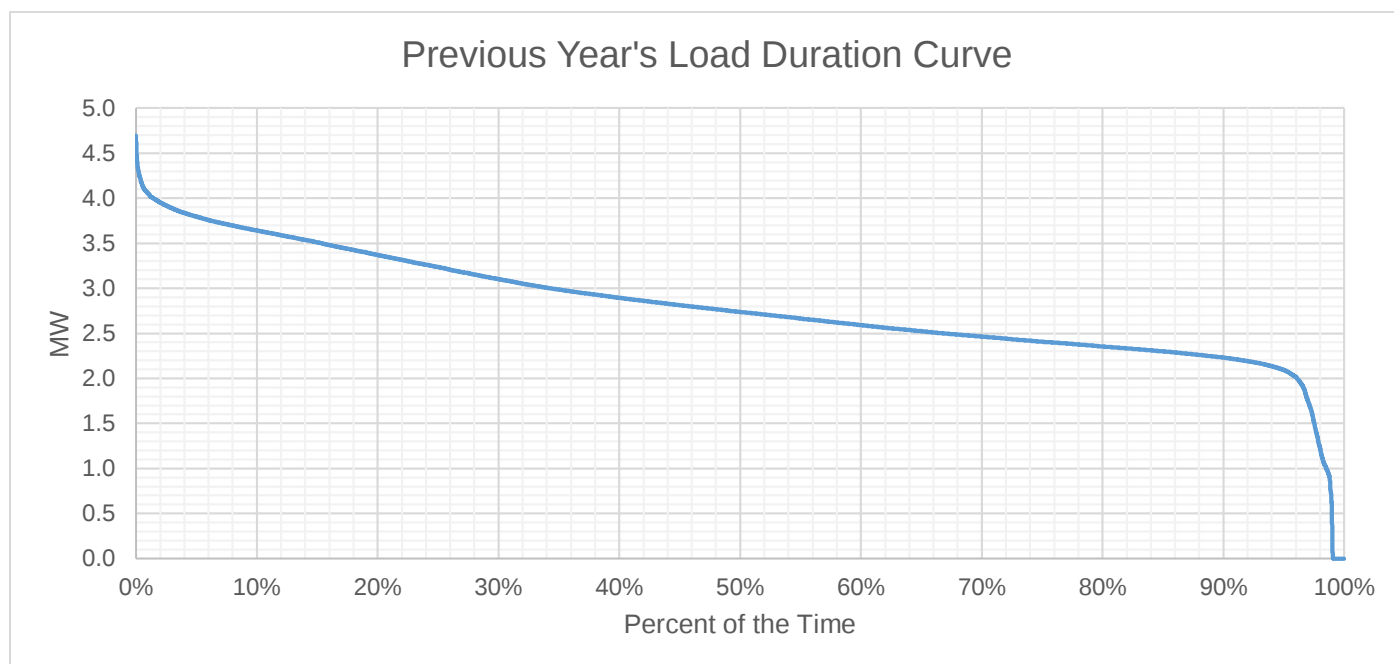


For energy purchased, the total Offtake for the last historical year is lower than the quantity stipulated in the PSA. The PSA with 2015-068 RC accounts for the bulk of MWh Offtake.

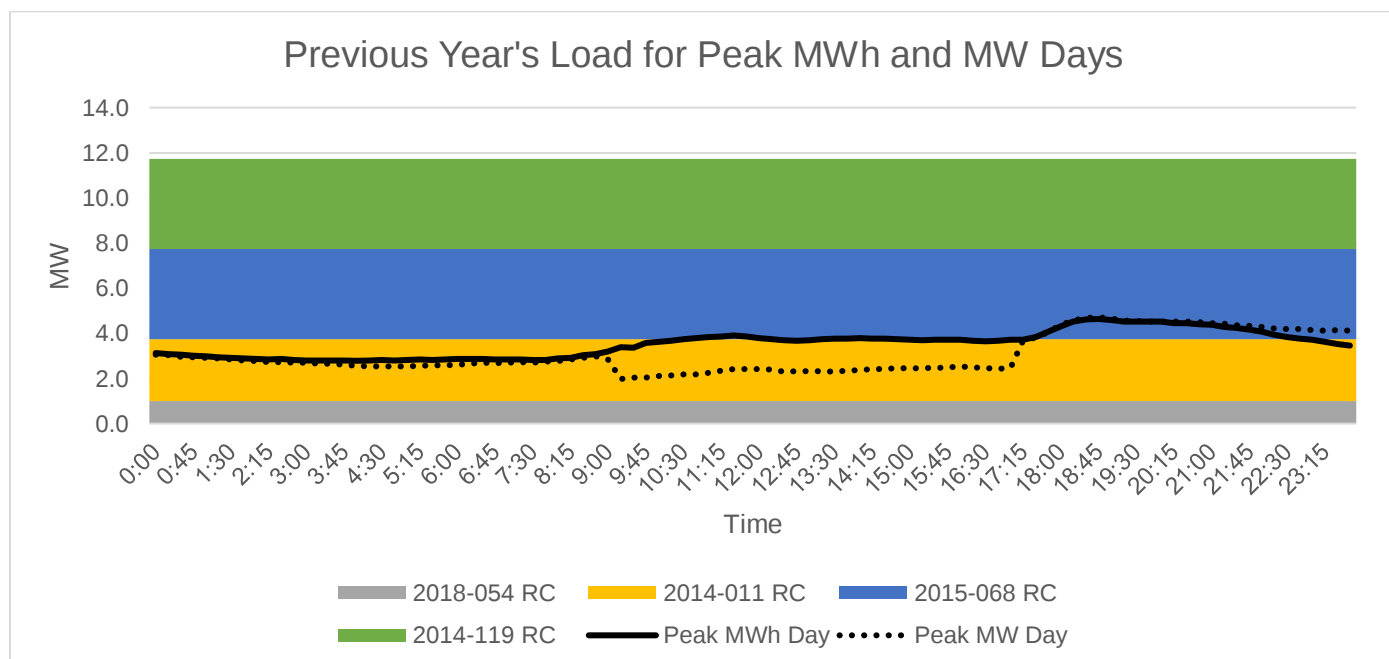


WESM in Mindanao is not yet operational since the Mindanao Grid is not connected to the Visayas and Luzon Grid. As regards to CAMELCO status, registration to WESM is still on-going. But since CAMELCO had bilateral contract and it cannot be denied that there's excess power contract and even almost electric cooperatives in Mindanao had excess power supply.

## Previous Year's Load Profile

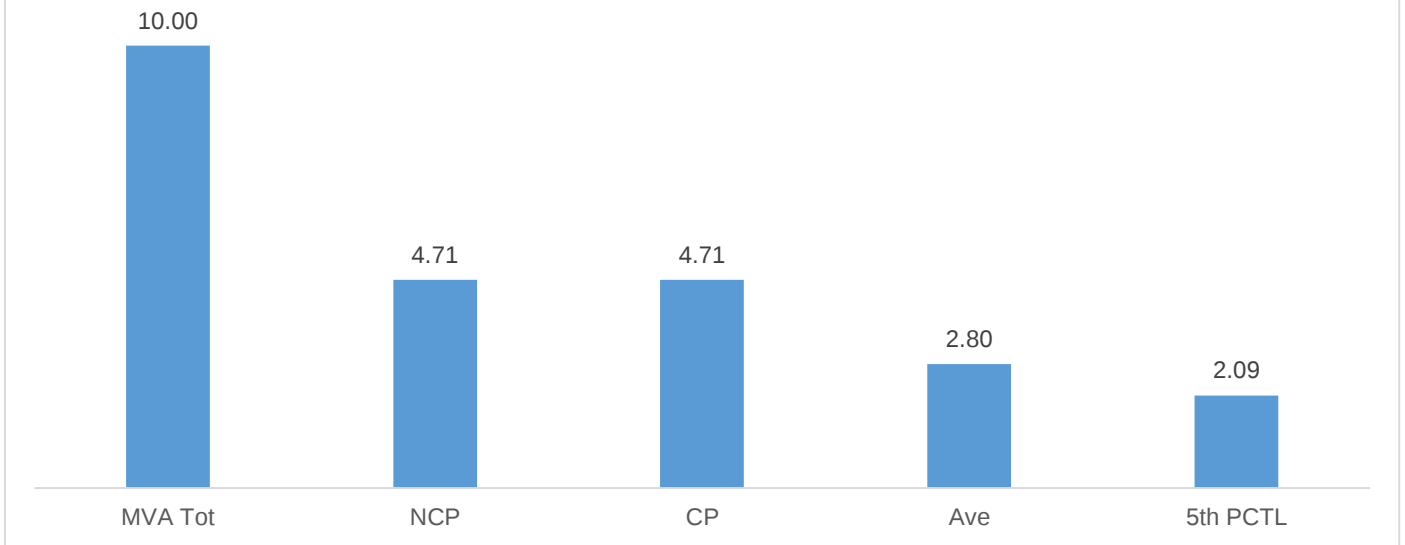


Based on the Load Duration Curve, the minimum load is 0.001 MW and the maximum load is around 4.71MW for the last historical year.



Peak MW occurred on December 31, 2019 at 6:45pm due to New Year celebration in the island. Peak daily MWh occurred on month of January 2020 due to New Year activities. As shown in the Load Curves, the available supply is higher than the Peak Demand.

### Previous Year's Loading Summary



The Non-coincident Peak Demand is 4.71 MW, which is around 47.10% of the total substation capacity of 10MVA at a power factor of 100%. The load factor or the ratio between the Average Load of 2.80MW and the Non-coincident Peak Demand is 59.45% of. A safe estimate of the true minimum load is the fifth percentile load of 2.09MW which is 44.37% of the Non-coincident Peak Demand.

| Metering Point | Substation MVA | Substation Peak MW |
|----------------|----------------|--------------------|
| 1              | 10             | 4.710              |

The substations loaded at below 70%, therefor there's no problem in transformer capacity.

## Forecasted Consumption Data

|      |     | Coincident<br>Peak MW | Contracted<br>MW | Pending<br>MW | Planned<br>MW | Retail<br>Electricity<br>Suppliers<br>MW | Existing<br>Contracting<br>Level | Target<br>Contracting<br>Level | MW<br>Surplus /<br>Deficit |
|------|-----|-----------------------|------------------|---------------|---------------|------------------------------------------|----------------------------------|--------------------------------|----------------------------|
| 2021 | Jan | 4.34                  | 11.73            | 0.00          | 0.000         |                                          | 270%                             | 270%                           | 7.39                       |
|      | Feb | 4.01                  | 11.73            | 0.00          | 0.000         |                                          | 293%                             | 293%                           | 7.72                       |
|      | Mar | 4.01                  | 11.73            | 0.00          | 0.000         |                                          | 293%                             | 293%                           | 7.72                       |
|      | Apr | 4.40                  | 11.73            | 0.00          | 0.000         |                                          | 266%                             | 266%                           | 7.33                       |
|      | May | 4.76                  | 11.73            | 0.00          | 0.000         |                                          | 246%                             | 246%                           | 6.97                       |
|      | Jun | 4.75                  | 11.73            | 0.00          | 0.000         |                                          | 247%                             | 247%                           | 6.98                       |
|      | Jul | 4.30                  | 11.73            | 0.00          | 0.000         |                                          | 273%                             | 273%                           | 7.43                       |
|      | Aug | 4.64                  | 11.73            | 0.00          | 0.000         |                                          | 253%                             | 253%                           | 7.09                       |
|      | Sep | 4.54                  | 11.73            | 0.00          | 0.000         |                                          | 258%                             | 258%                           | 7.19                       |
|      | Oct | 4.72                  | 11.73            | 0.00          | 0.000         |                                          | 249%                             | 249%                           | 7.01                       |
|      | Nov | 4.82                  | 11.73            | 0.00          | 0.000         |                                          | 243%                             | 243%                           | 6.91                       |
|      | Dec | 3.91                  | 11.73            | 0.00          | 0.000         |                                          | 300%                             | 300%                           | 7.82                       |
| 2022 | Jan | 4.50                  | 11.73            | 0.00          | 0.000         |                                          | 261%                             | 261%                           | 7.23                       |
|      | Feb | 4.15                  | 11.73            | 0.00          | 0.000         |                                          | 282%                             | 282%                           | 7.58                       |
|      | Mar | 4.15                  | 11.73            | 0.00          | 0.000         |                                          | 282%                             | 282%                           | 7.58                       |
|      | Apr | 4.56                  | 11.73            | 0.00          | 0.000         |                                          | 257%                             | 257%                           | 7.17                       |
|      | May | 4.93                  | 11.73            | 0.00          | 0.000         |                                          | 238%                             | 238%                           | 6.80                       |
|      | Jun | 4.92                  | 11.73            | 0.00          | 0.000         |                                          | 238%                             | 238%                           | 6.81                       |
|      | Jul | 4.45                  | 11.73            | 0.00          | 0.000         |                                          | 263%                             | 263%                           | 7.28                       |
|      | Aug | 4.81                  | 11.73            | 0.00          | 0.000         |                                          | 244%                             | 244%                           | 6.92                       |
|      | Sep | 4.71                  | 11.73            | 0.00          | 0.000         |                                          | 249%                             | 249%                           | 7.02                       |
|      | Oct | 4.89                  | 11.73            | 0.00          | 0.000         |                                          | 240%                             | 240%                           | 6.84                       |
|      | Nov | 4.99                  | 11.73            | 0.00          | 0.000         |                                          | 235%                             | 235%                           | 6.74                       |
|      | Dec | 4.05                  | 11.73            | 0.00          | 0.000         |                                          | 290%                             | 290%                           | 7.68                       |
| 2023 | Jan | 4.66                  | 11.73            | 0.00          | 0.000         |                                          | 252%                             | 252%                           | 7.07                       |
|      | Feb | 4.30                  | 11.73            | 0.00          | 0.000         |                                          | 273%                             | 273%                           | 7.43                       |
|      | Mar | 4.30                  | 11.73            | 0.00          | 0.000         |                                          | 273%                             | 273%                           | 7.43                       |
|      | Apr | 4.73                  | 11.73            | 0.00          | 0.000         |                                          | 248%                             | 248%                           | 7.00                       |

|      |     | Coincident<br>Peak MW | Contracted<br>MW | Pending<br>MW | Planned<br>MW | Retail<br>Electricity<br>Suppliers<br>MW | Existing<br>Contracting<br>Level | Target<br>Contracting<br>Level | MW<br>Surplus /<br>Deficit |
|------|-----|-----------------------|------------------|---------------|---------------|------------------------------------------|----------------------------------|--------------------------------|----------------------------|
|      | May | 5.11                  | 11.73            | 0.00          | 0.000         |                                          | 230%                             | 230%                           | 6.62                       |
|      | Jun | 5.10                  | 11.73            | 0.00          | 0.000         |                                          | 230%                             | 230%                           | 6.63                       |
|      | Jul | 4.61                  | 11.73            | 0.00          | 0.000         |                                          | 254%                             | 254%                           | 7.12                       |
|      | Aug | 4.98                  | 11.73            | 0.00          | 0.000         |                                          | 236%                             | 236%                           | 6.75                       |
|      | Sep | 4.87                  | 11.73            | 0.00          | 0.000         |                                          | 241%                             | 241%                           | 6.86                       |
|      | Oct | 5.07                  | 11.73            | 0.00          | 0.000         |                                          | 232%                             | 232%                           | 6.66                       |
|      | Nov | 5.17                  | 11.73            | 0.00          | 0.000         |                                          | 227%                             | 227%                           | 6.56                       |
|      | Dec | 4.19                  | 11.73            | 0.00          | 0.000         |                                          | 280%                             | 280%                           | 7.54                       |
| 2024 | Jan | 4.82                  | 10.73            | 0.00          | 0.000         |                                          | 223%                             | 223%                           | 5.91                       |
|      | Feb | 4.45                  | 10.73            | 0.00          | 0.000         |                                          | 241%                             | 241%                           | 6.28                       |
|      | Mar | 4.45                  | 10.73            | 0.00          | 0.000         |                                          | 241%                             | 241%                           | 6.28                       |
|      | Apr | 4.89                  | 10.73            | 0.00          | 0.000         |                                          | 220%                             | 220%                           | 5.84                       |
|      | May | 5.28                  | 10.73            | 0.00          | 0.000         |                                          | 203%                             | 203%                           | 5.45                       |
|      | Jun | 5.27                  | 10.73            | 0.00          | 0.000         |                                          | 203%                             | 203%                           | 5.46                       |
|      | Jul | 4.77                  | 10.73            | 0.00          | 0.000         |                                          | 225%                             | 225%                           | 5.96                       |
|      | Aug | 5.15                  | 10.73            | 0.00          | 0.000         |                                          | 208%                             | 208%                           | 5.58                       |
|      | Sep | 5.04                  | 10.73            | 0.00          | 0.000         |                                          | 213%                             | 213%                           | 5.69                       |
|      | Oct | 5.24                  | 10.73            | 0.00          | 0.000         |                                          | 205%                             | 205%                           | 5.49                       |
|      | Nov | 5.35                  | 10.73            | 0.00          | 0.000         |                                          | 201%                             | 201%                           | 5.38                       |
|      | Dec | 4.34                  | 10.73            | 0.00          | 0.000         |                                          | 247%                             | 247%                           | 6.39                       |
| 2025 | Jan | 4.98                  | 6.73             | 0.00          | 0.000         |                                          | 135%                             | 135%                           | 1.75                       |
|      | Feb | 4.59                  | 6.73             | 0.00          | 0.000         |                                          | 146%                             | 146%                           | 2.14                       |
|      | Mar | 4.60                  | 6.73             | 0.00          | 0.000         |                                          | 146%                             | 146%                           | 2.13                       |
|      | Apr | 5.05                  | 6.73             | 0.00          | 0.000         |                                          | 133%                             | 133%                           | 1.68                       |
|      | May | 5.46                  | 6.73             | 0.00          | 0.000         |                                          | 123%                             | 123%                           | 1.27                       |
|      | Jun | 5.45                  | 6.73             | 0.00          | 0.000         |                                          | 124%                             | 124%                           | 1.28                       |
|      | Jul | 4.93                  | 6.73             | 0.00          | 0.000         |                                          | 137%                             | 137%                           | 1.80                       |
|      | Aug | 5.32                  | 6.73             | 0.00          | 0.000         |                                          | 127%                             | 127%                           | 1.41                       |
|      | Sep | 5.21                  | 6.73             | 0.00          | 0.000         |                                          | 129%                             | 129%                           | 1.52                       |
|      | Oct | 5.41                  | 6.73             | 0.00          | 0.000         |                                          | 124%                             | 124%                           | 1.32                       |

|      |     | Coincident<br>Peak MW | Contracted<br>MW | Pending<br>MW | Planned<br>MW | Retail<br>Electricity<br>Suppliers<br>MW | Existing<br>Contracting<br>Level | Target<br>Contracting<br>Level | MW<br>Surplus /<br>Deficit |
|------|-----|-----------------------|------------------|---------------|---------------|------------------------------------------|----------------------------------|--------------------------------|----------------------------|
|      | Nov | 5.52                  | 6.73             | 0.00          | 0.000         |                                          | 122%                             | 122%                           | 1.21                       |
|      | Dec | 4.48                  | 6.73             | 0.00          | 0.000         |                                          | 150%                             | 150%                           | 2.25                       |
| 2026 | Jan | 5.14                  | 6.73             | 0.00          | 0.000         |                                          | 131%                             | 131%                           | 1.59                       |
|      | Feb | 4.74                  | 6.73             | 0.00          | 0.000         |                                          | 142%                             | 142%                           | 1.99                       |
|      | Mar | 4.74                  | 6.73             | 0.00          | 0.000         |                                          | 142%                             | 142%                           | 1.99                       |
|      | Apr | 5.21                  | 6.73             | 0.00          | 0.000         |                                          | 129%                             | 129%                           | 1.52                       |
|      | May | 5.63                  | 6.73             | 0.00          | 0.000         |                                          | 119%                             | 119%                           | 1.10                       |
|      | Jun | 5.62                  | 6.73             | 0.00          | 0.000         |                                          | 120%                             | 120%                           | 1.11                       |
|      | Jul | 5.08                  | 6.73             | 0.00          | 0.000         |                                          | 132%                             | 132%                           | 1.65                       |
|      | Aug | 5.49                  | 6.73             | 0.00          | 0.000         |                                          | 123%                             | 123%                           | 1.24                       |
|      | Sep | 5.37                  | 6.73             | 0.00          | 0.000         |                                          | 125%                             | 125%                           | 1.36                       |
|      | Oct | 5.58                  | 6.73             | 0.00          | 0.000         |                                          | 121%                             | 121%                           | 1.15                       |
|      | Nov | 5.70                  | 6.73             | 0.00          | 0.000         |                                          | 118%                             | 118%                           | 1.03                       |
|      | Dec | 4.62                  | 6.73             | 0.00          | 0.000         |                                          | 146%                             | 146%                           | 2.11                       |
| 2027 | Jan | 5.30                  | 6.73             | 0.00          | 0.000         |                                          | 127%                             | 127%                           | 1.43                       |
|      | Feb | 4.89                  | 6.73             | 0.00          | 0.000         |                                          | 138%                             | 138%                           | 1.84                       |
|      | Mar | 4.89                  | 6.73             | 0.00          | 0.000         |                                          | 138%                             | 138%                           | 1.84                       |
|      | Apr | 5.37                  | 6.73             | 0.00          | 0.000         |                                          | 125%                             | 125%                           | 1.36                       |
|      | May | 5.81                  | 6.73             | 0.00          | 0.000         |                                          | 116%                             | 116%                           | 0.92                       |
|      | Jun | 5.80                  | 6.73             | 0.00          | 0.000         |                                          | 116%                             | 116%                           | 0.93                       |
|      | Jul | 5.24                  | 6.73             | 0.00          | 0.000         |                                          | 128%                             | 128%                           | 1.49                       |
|      | Aug | 5.66                  | 6.73             | 0.00          | 0.000         |                                          | 119%                             | 119%                           | 1.07                       |
|      | Sep | 5.54                  | 6.73             | 0.00          | 0.000         |                                          | 121%                             | 121%                           | 1.19                       |
|      | Oct | 5.76                  | 6.73             | 0.00          | 0.000         |                                          | 117%                             | 117%                           | 0.97                       |
|      | Nov | 5.88                  | 6.73             | 0.00          | 0.000         |                                          | 114%                             | 114%                           | 0.85                       |
|      | Dec | 4.77                  | 6.73             | 0.00          | 0.000         |                                          | 141%                             | 141%                           | 1.96                       |
| 2028 | Jan | 5.46                  | 6.73             | 0.00          | 0.000         |                                          | 123%                             | 123%                           | 1.27                       |
|      | Feb | 5.04                  | 6.73             | 0.00          | 0.000         |                                          | 134%                             | 134%                           | 1.69                       |
|      | Mar | 5.04                  | 6.73             | 0.00          | 0.000         |                                          | 134%                             | 134%                           | 1.69                       |
|      | Apr | 5.53                  | 6.73             | 0.00          | 0.000         |                                          | 122%                             | 122%                           | 1.20                       |

|      |     | Coincident<br>Peak MW | Contracted<br>MW | Pending<br>MW | Planned<br>MW | Retail<br>Electricity<br>Suppliers<br>MW | Existing<br>Contracting<br>Level | Target<br>Contracting<br>Level | MW<br>Surplus /<br>Deficit |
|------|-----|-----------------------|------------------|---------------|---------------|------------------------------------------|----------------------------------|--------------------------------|----------------------------|
|      | May | 5.98                  | 6.73             | 0.00          | 0.000         |                                          | 113%                             | 113%                           | 0.75                       |
|      | Jun | 5.97                  | 6.73             | 0.00          | 0.000         |                                          | 113%                             | 113%                           | 0.76                       |
|      | Jul | 5.40                  | 6.73             | 0.00          | 0.000         |                                          | 125%                             | 125%                           | 1.33                       |
|      | Aug | 5.83                  | 6.73             | 0.00          | 0.000         |                                          | 116%                             | 116%                           | 0.90                       |
|      | Sep | 5.71                  | 6.73             | 0.00          | 0.000         |                                          | 118%                             | 118%                           | 1.02                       |
|      | Oct | 5.93                  | 6.73             | 0.00          | 0.000         |                                          | 113%                             | 113%                           | 0.80                       |
|      | Nov | 6.05                  | 6.73             | 0.00          | 0.000         |                                          | 111%                             | 111%                           | 0.68                       |
|      | Dec | 4.91                  | 6.73             | 0.00          | 0.000         |                                          | 137%                             | 137%                           | 1.82                       |
| 2029 | Jan | 5.62                  | 6.73             | 0.00          | 0.000         |                                          | 120%                             | 120%                           | 1.11                       |
|      | Feb | 5.18                  | 6.73             | 0.00          | 0.000         |                                          | 130%                             | 130%                           | 1.55                       |
|      | Mar | 5.18                  | 6.73             | 0.00          | 0.000         |                                          | 130%                             | 130%                           | 1.55                       |
|      | Apr | 5.69                  | 6.73             | 0.00          | 0.000         |                                          | 118%                             | 118%                           | 1.04                       |
|      | May | 6.16                  | 6.73             | 0.00          | 0.000         |                                          | 109%                             | 109%                           | 0.57                       |
|      | Jun | 6.14                  | 6.73             | 0.00          | 0.000         |                                          | 110%                             | 110%                           | 0.59                       |
|      | Jul | 5.56                  | 6.73             | 0.00          | 0.000         |                                          | 121%                             | 121%                           | 1.17                       |
|      | Aug | 6.00                  | 6.73             | 0.00          | 0.000         |                                          | 112%                             | 112%                           | 0.73                       |
|      | Sep | 5.87                  | 6.73             | 0.00          | 0.000         |                                          | 115%                             | 115%                           | 0.86                       |
|      | Oct | 6.10                  | 6.73             | 0.00          | 0.000         |                                          | 110%                             | 110%                           | 0.63                       |
|      | Nov | 6.23                  | 6.73             | 0.00          | 0.000         |                                          | 108%                             | 108%                           | 0.50                       |
|      | Dec | 5.05                  | 6.73             | 0.00          | 0.000         |                                          | 133%                             | 133%                           | 1.68                       |
| 2030 | Jan | 5.78                  | 6.73             | 0.00          | 0.000         |                                          | 117%                             | 117%                           | 0.95                       |
|      | Feb | 5.33                  | 6.73             | 0.00          | 0.000         |                                          | 126%                             | 126%                           | 1.40                       |
|      | Mar | 5.33                  | 6.73             | 0.00          | 0.000         |                                          | 126%                             | 126%                           | 1.40                       |
|      | Apr | 5.86                  | 6.73             | 0.00          | 0.000         |                                          | 115%                             | 115%                           | 0.87                       |
|      | May | 6.33                  | 6.73             | 0.00          | 0.000         |                                          | 106%                             | 106%                           | 0.40                       |
|      | Jun | 6.32                  | 6.73             | 0.00          | 0.000         |                                          | 107%                             | 107%                           | 0.41                       |
|      | Jul | 5.71                  | 6.73             | 0.00          | 0.000         |                                          | 118%                             | 118%                           | 1.02                       |
|      | Aug | 6.17                  | 6.73             | 0.00          | 0.000         |                                          | 109%                             | 109%                           | 0.56                       |
|      | Sep | 6.04                  | 6.73             | 0.00          | 0.000         |                                          | 111%                             | 111%                           | 0.69                       |
|      | Oct | 6.28                  | 6.73             | 0.00          | 0.000         |                                          | 107%                             | 107%                           | 0.45                       |

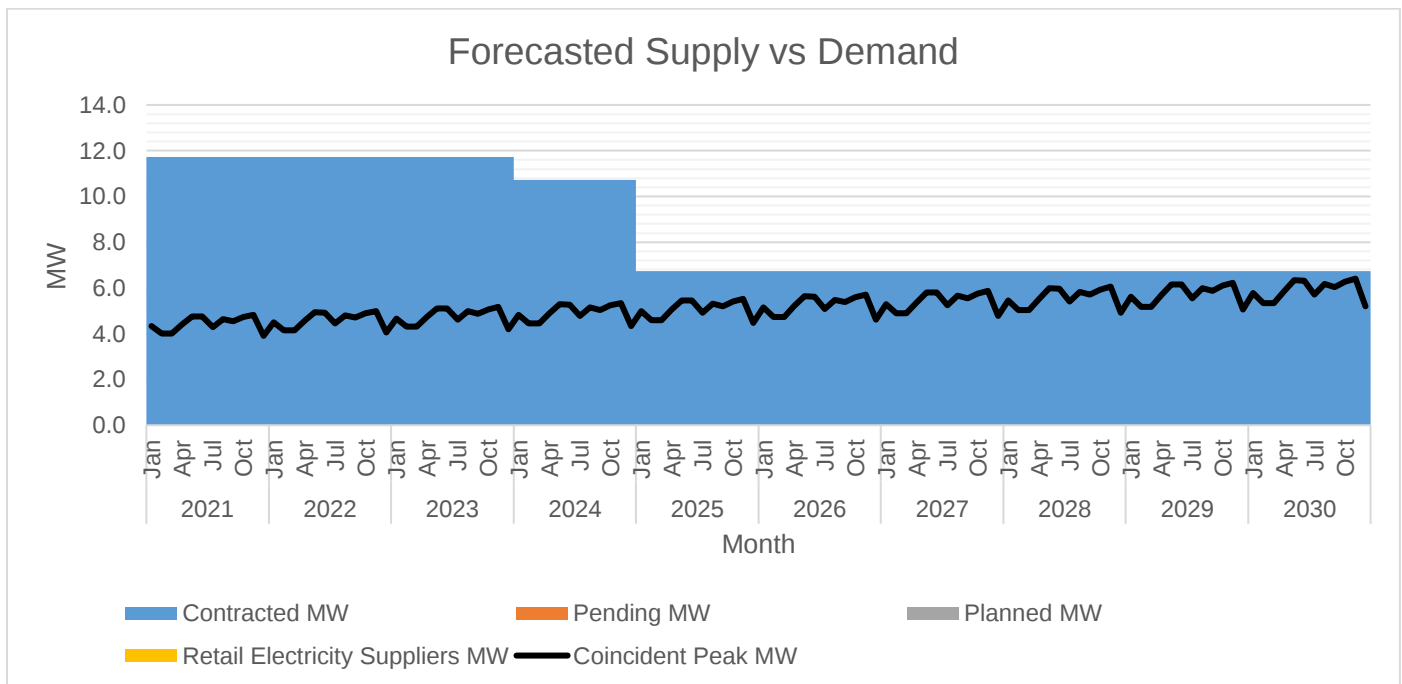
|  |     | Coincident Peak MW | Contracted MW | Pending MW | Planned MW | Retail Electricity Suppliers MW | Existing Contracting Level | Target Contracting Level | MW Surplus / Deficit |
|--|-----|--------------------|---------------|------------|------------|---------------------------------|----------------------------|--------------------------|----------------------|
|  | Nov | 6.41               | 6.73          | 0.00       | 0.000      |                                 | 105%                       | 105%                     | 0.32                 |
|  | Dec | 5.20               | 6.73          | 0.00       | 0.000      |                                 | 130%                       | 130%                     | 1.53                 |

The Peak Demand was forecasted using  $Y=at^2 + c$  (Quadratic Trending) and was assumed to occur on the month of May due to summer seasons if the covid 19 pandemic will be totally eradicated. Monthly Peak Demand is at its lowest on the month of December due to lot holidays/no office days. In general, Peak Demand is expected to grow at a rate of 1% annually.

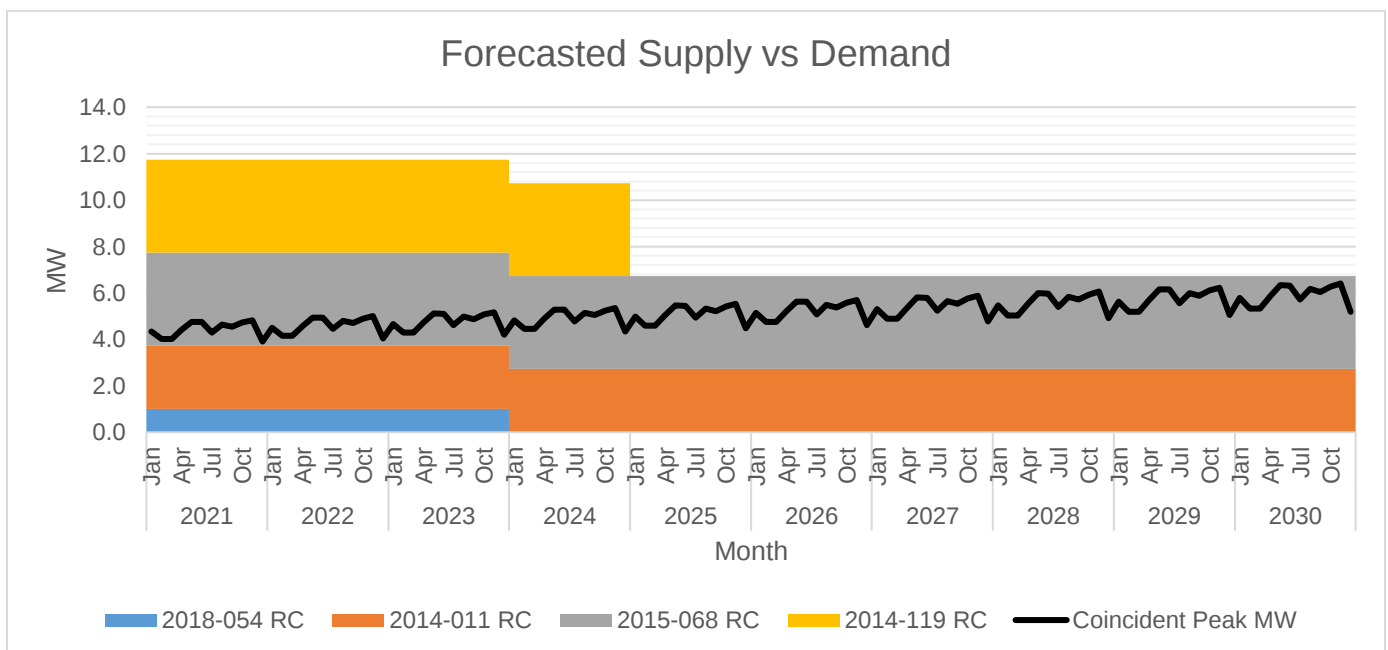
## CAMELCO ACTUAL AND FORECASTED COINCIDENT PEAK DEMAND 2021

| Year               | 2021               | 2021  | 2021   | 2021   | 2021   | 2021   | 2021   | 2021  | 2021                   | 2021   | 2021  | 2021   |
|--------------------|--------------------|-------|--------|--------|--------|--------|--------|-------|------------------------|--------|-------|--------|
|                    | Actual Peak Demand |       |        |        |        |        |        |       | Forecasted Peak Demand |        |       |        |
| Month              | Jan                | Feb   | Mar    | Apr    | May    | Jun    | Jul    | Aug   | Sep                    | Oct    | Nov   | Dec    |
| Coincident Peak MW | 4.3806             | 3.723 | 3.9962 | 3.8643 | 4.0634 | 4.0586 | 4.1392 | 4.265 | 4.5414                 | 4.7196 | 4.818 | 3.9067 |

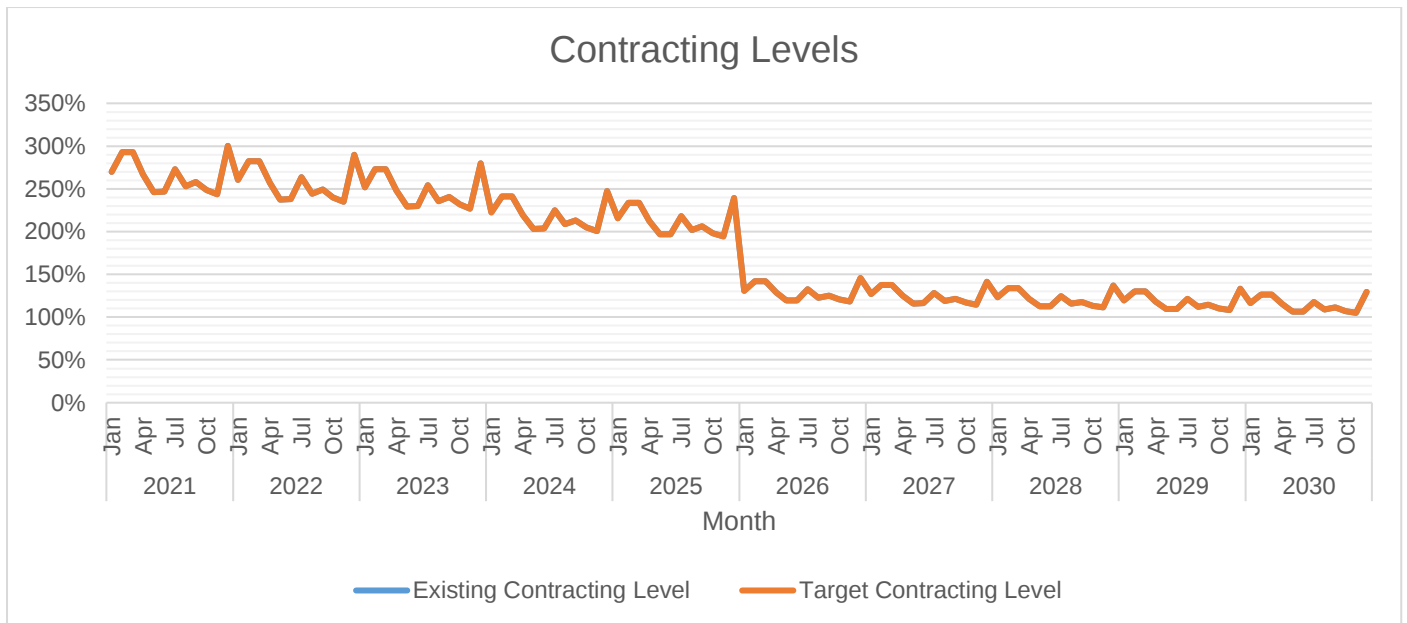
CAMELCO coincident peak demand is based on NGCP monthly load profile and it is being emailed to CAMELCO in a monthly basis. NGCP meter is located at Cogon, Balingasag, Misamis Oriental. It is the connection point between CAMELCO and NGCP, please see attach file of CAMELCO one line diagram. Base on the above table, CAMELCO coincident peak is erratic and base on the data highest demand occur in the month of January and lowest demand occur in the month of April.



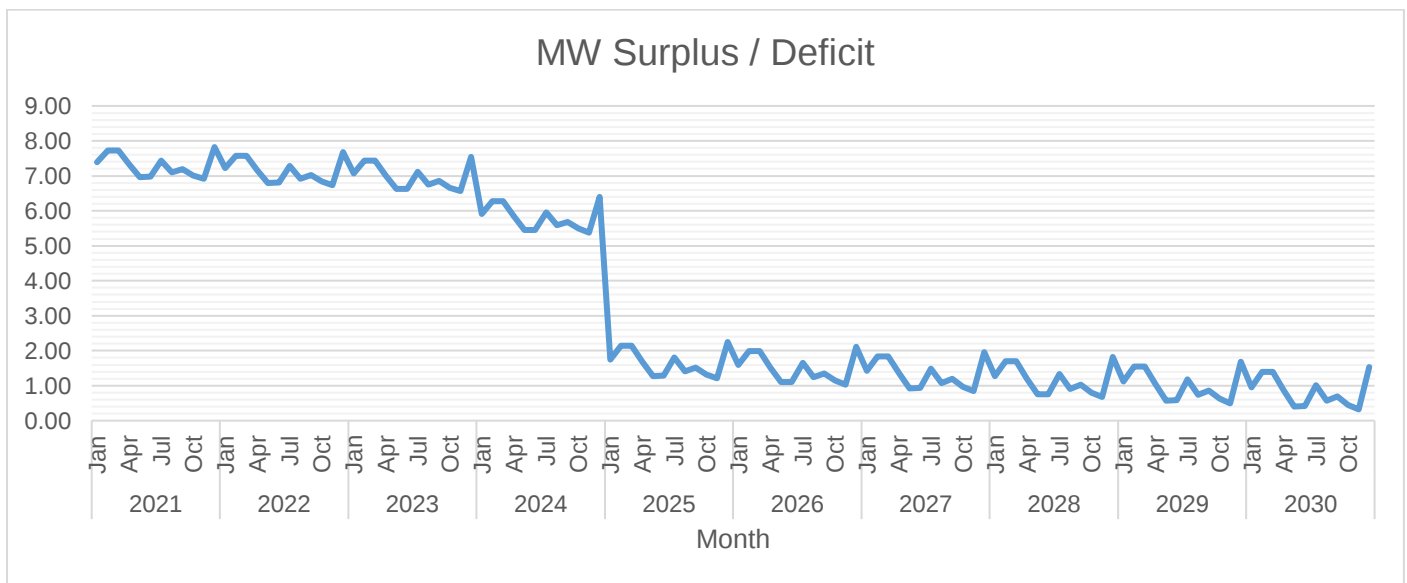
The available supply is generally above the Peak Demand. This is because of over contracting but it is approved by ERC.



Of the available supply, the largest is 4MW from 2014-119 RC. This is followed by 4MW from 2015-068 RC.



Currently, there is over-contracting by 68.71%.



Currently, there is over-contracting by 3.7 MW. The highest surplus is 7.72MW which is expected to occur on the month of March 2021. The lowest surplus is 0.32 MW which is expected to occur on the month of November 2030.

|      |     | MWh Offtake | MWh Output | MWh System Loss | Transm'n Loss | System Loss |
|------|-----|-------------|------------|-----------------|---------------|-------------|
| 2021 | Jan | 6,139       | 1,960      | 408             | 61.42%        | 17.23%      |
|      | Feb | 6,139       | 1,982      | 417             | 60.91%        | 17.39%      |
|      | Mar | 6,139       | 2,004      | 425             | 60.45%        | 17.49%      |
|      | Apr | 6,139       | 2,024      | 431             | 60.02%        | 17.55%      |
|      | May | 6,139       | 2,043      | 436             | 59.62%        | 17.58%      |
|      | Jun | 6,139       | 2,062      | 440             | 59.25%        | 17.58%      |
|      | Jul | 6,139       | 2,079      | 443             | 58.91%        | 17.56%      |
|      | Aug | 6,139       | 2,096      | 445             | 58.59%        | 17.52%      |
|      | Sep | 6,139       | 2,113      | 447             | 58.29%        | 17.47%      |
|      | Oct | 6,139       | 2,129      | 449             | 58.01%        | 17.41%      |

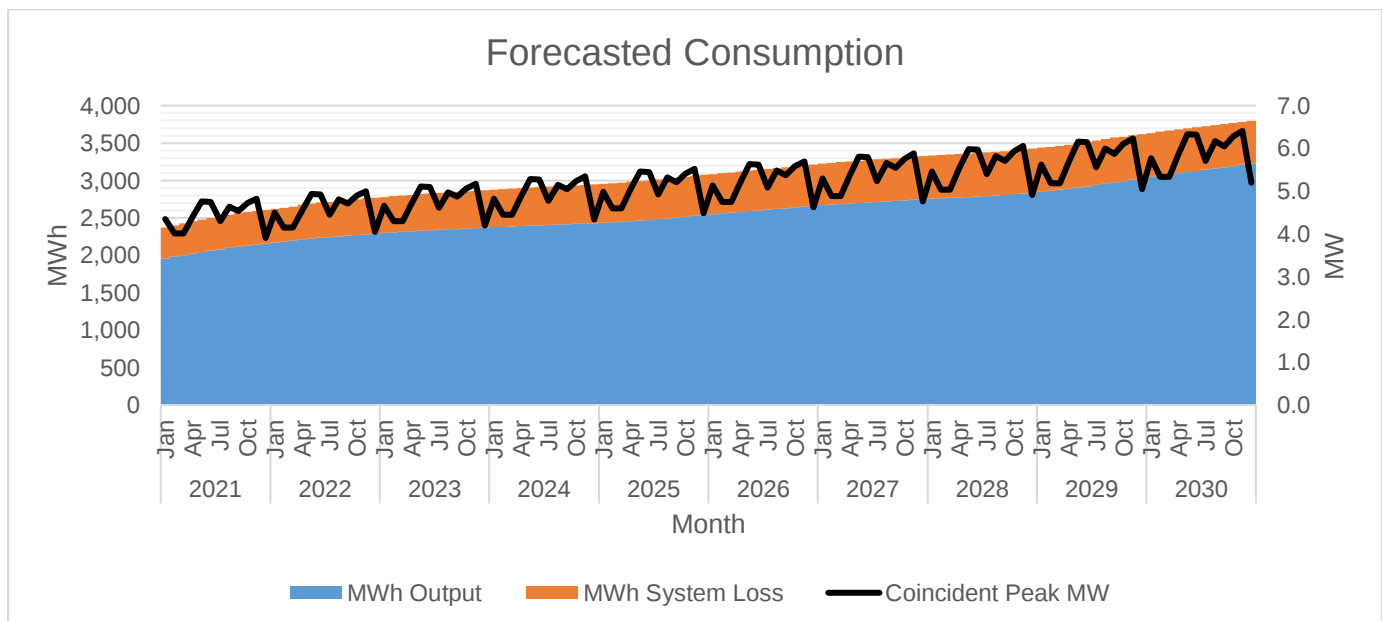
|      |     | MWh Offtake | MWh Output | MWh System Loss | Transm'n Loss | System Loss |
|------|-----|-------------|------------|-----------------|---------------|-------------|
|      | Nov | 6,139       | 2,144      | 450             | 57.75%        | 17.34%      |
|      | Dec | 6,139       | 2,159      | 450             | 57.50%        | 17.26%      |
| 2022 | Jan | 6,139       | 2,173      | 450             | 57.26%        | 17.17%      |
|      | Feb | 6,139       | 2,187      | 450             | 57.04%        | 17.08%      |
|      | Mar | 6,139       | 2,201      | 450             | 56.82%        | 16.98%      |
|      | Apr | 6,139       | 2,212      | 464             | 56.41%        | 17.34%      |
|      | May | 6,139       | 2,223      | 467             | 56.19%        | 17.36%      |
|      | Jun | 6,139       | 2,233      | 469             | 55.97%        | 17.37%      |
|      | Jul | 6,139       | 2,244      | 472             | 55.77%        | 17.38%      |
|      | Aug | 6,139       | 2,253      | 474             | 55.57%        | 17.38%      |
|      | Sep | 6,139       | 2,262      | 476             | 55.39%        | 17.39%      |
|      | Oct | 6,139       | 2,271      | 478             | 55.21%        | 17.40%      |
|      | Nov | 6,139       | 2,280      | 480             | 55.03%        | 17.40%      |
|      | Dec | 6,139       | 2,288      | 482             | 54.87%        | 17.41%      |
| 2023 | Jan | 6,139       | 2,296      | 484             | 54.71%        | 17.41%      |
|      | Feb | 6,139       | 2,304      | 486             | 54.55%        | 17.41%      |
|      | Mar | 6,139       | 2,312      | 487             | 54.40%        | 17.41%      |
|      | Apr | 6,139       | 2,319      | 489             | 54.25%        | 17.41%      |
|      | May | 6,139       | 2,327      | 491             | 54.11%        | 17.41%      |
|      | Jun | 6,139       | 2,334      | 492             | 53.97%        | 17.41%      |
|      | Jul | 6,139       | 2,340      | 493             | 53.85%        | 17.40%      |
|      | Aug | 6,139       | 2,346      | 494             | 53.73%        | 17.40%      |
|      | Sep | 6,139       | 2,352      | 495             | 53.61%        | 17.40%      |
|      | Oct | 6,139       | 2,358      | 497             | 53.49%        | 17.40%      |
|      | Nov | 6,139       | 2,364      | 498             | 53.38%        | 17.41%      |
|      | Dec | 6,139       | 2,369      | 500             | 53.27%        | 17.41%      |
| 2024 | Jan | 5,139       | 2,375      | 501             | 44.04%        | 17.42%      |
|      | Feb | 5,139       | 2,380      | 503             | 43.90%        | 17.43%      |
|      | Mar | 5,139       | 2,386      | 504             | 43.77%        | 17.44%      |
|      | Apr | 5,139       | 2,391      | 506             | 43.64%        | 17.46%      |
|      | May | 5,139       | 2,396      | 507             | 43.50%        | 17.47%      |
|      | Jun | 5,139       | 2,401      | 509             | 43.37%        | 17.49%      |
|      | Jul | 5,139       | 2,406      | 511             | 43.24%        | 17.51%      |
|      | Aug | 5,139       | 2,411      | 513             | 43.10%        | 17.53%      |
|      | Sep | 5,139       | 2,416      | 514             | 42.97%        | 17.56%      |
|      | Oct | 5,139       | 2,420      | 516             | 42.87%        | 17.56%      |
|      | Nov | 5,139       | 2,425      | 517             | 42.74%        | 17.57%      |
|      | Dec | 5,139       | 2,431      | 519             | 42.60%        | 17.58%      |
| 2025 | Jan | 5,139       | 2,437      | 520             | 42.46%        | 17.59%      |
|      | Feb | 5,139       | 2,443      | 521             | 42.31%        | 17.59%      |
|      | Mar | 5,139       | 2,450      | 523             | 42.16%        | 17.58%      |
|      | Apr | 5,139       | 2,457      | 524             | 41.99%        | 17.58%      |
|      | May | 5,139       | 2,465      | 525             | 41.81%        | 17.57%      |
|      | Jun | 5,139       | 2,473      | 526             | 41.62%        | 17.55%      |
|      | Jul | 5,139       | 2,483      | 528             | 41.42%        | 17.53%      |
|      | Aug | 5,139       | 2,493      | 529             | 41.20%        | 17.50%      |
|      | Sep | 5,139       | 2,503      | 530             | 40.97%        | 17.47%      |

|      |     | MWh Offtake | MWh Output | MWh System Loss | Transm'n Loss | System Loss |
|------|-----|-------------|------------|-----------------|---------------|-------------|
|      | Oct | 5,139       | 2,515      | 531             | 40.73%        | 17.43%      |
|      | Nov | 5,139       | 2,528      | 532             | 40.46%        | 17.38%      |
|      | Dec | 5,139       | 2,541      | 533             | 40.18%        | 17.33%      |
| 2026 | Jan | 4,205       | 2,550      | 534             | 26.68%        | 17.32%      |
|      | Feb | 4,205       | 2,560      | 535             | 26.39%        | 17.29%      |
|      | Mar | 4,205       | 2,571      | 537             | 26.11%        | 17.27%      |
|      | Apr | 4,205       | 2,581      | 538             | 25.83%        | 17.26%      |
|      | May | 4,205       | 2,591      | 540             | 25.55%        | 17.24%      |
|      | Jun | 4,205       | 2,601      | 542             | 25.28%        | 17.23%      |
|      | Jul | 4,205       | 2,611      | 543             | 25.00%        | 17.23%      |
|      | Aug | 4,205       | 2,620      | 545             | 24.73%        | 17.22%      |
|      | Sep | 4,205       | 2,630      | 547             | 24.45%        | 17.22%      |
|      | Oct | 4,205       | 2,639      | 549             | 24.18%        | 17.22%      |
|      | Nov | 4,205       | 2,649      | 551             | 23.91%        | 17.23%      |
|      | Dec | 4,205       | 2,658      | 554             | 23.64%        | 17.24%      |
| 2027 | Jan | 4,205       | 2,667      | 556             | 23.36%        | 17.25%      |
|      | Feb | 4,205       | 2,676      | 558             | 23.09%        | 17.26%      |
|      | Mar | 4,205       | 2,685      | 561             | 22.82%        | 17.28%      |
|      | Apr | 4,205       | 2,692      | 563             | 22.58%        | 17.31%      |
|      | May | 4,205       | 2,700      | 565             | 22.36%        | 17.31%      |
|      | Jun | 4,205       | 2,707      | 567             | 22.14%        | 17.31%      |
|      | Jul | 4,205       | 2,714      | 568             | 21.94%        | 17.31%      |
|      | Aug | 4,205       | 2,721      | 570             | 21.74%        | 17.32%      |
|      | Sep | 4,205       | 2,728      | 571             | 21.54%        | 17.31%      |
|      | Oct | 4,205       | 2,735      | 573             | 21.35%        | 17.31%      |
|      | Nov | 4,205       | 2,741      | 574             | 21.16%        | 17.31%      |
|      | Dec | 4,205       | 2,748      | 575             | 20.98%        | 17.31%      |
| 2028 | Jan | 4,205       | 2,754      | 576             | 20.80%        | 17.30%      |
|      | Feb | 4,205       | 2,761      | 578             | 20.62%        | 17.30%      |
|      | Mar | 4,205       | 2,767      | 579             | 20.44%        | 17.30%      |
|      | Apr | 4,205       | 2,773      | 580             | 20.26%        | 17.29%      |
|      | May | 4,205       | 2,780      | 581             | 20.09%        | 17.29%      |
|      | Jun | 4,205       | 2,786      | 582             | 19.91%        | 17.28%      |
|      | Jul | 4,205       | 2,793      | 583             | 19.72%        | 17.27%      |
|      | Aug | 4,205       | 2,801      | 584             | 19.52%        | 17.25%      |
|      | Sep | 4,205       | 2,809      | 585             | 19.30%        | 17.23%      |
|      | Oct | 4,205       | 2,818      | 586             | 19.07%        | 17.21%      |
|      | Nov | 4,205       | 2,827      | 586             | 18.83%        | 17.18%      |
|      | Dec | 4,205       | 2,838      | 587             | 18.56%        | 17.15%      |
| 2029 | Jan | 4,205       | 2,849      | 588             | 18.28%        | 17.11%      |
|      | Feb | 4,205       | 2,861      | 589             | 17.97%        | 17.06%      |
|      | Mar | 4,205       | 2,874      | 589             | 17.64%        | 17.02%      |
|      | Apr | 4,205       | 2,888      | 590             | 17.29%        | 16.96%      |
|      | May | 4,205       | 2,904      | 591             | 16.90%        | 16.90%      |
|      | Jun | 4,205       | 2,921      | 591             | 16.49%        | 16.84%      |
|      | Jul | 4,205       | 2,939      | 592             | 16.05%        | 16.77%      |
|      | Aug | 4,205       | 2,958      | 593             | 15.57%        | 16.69%      |

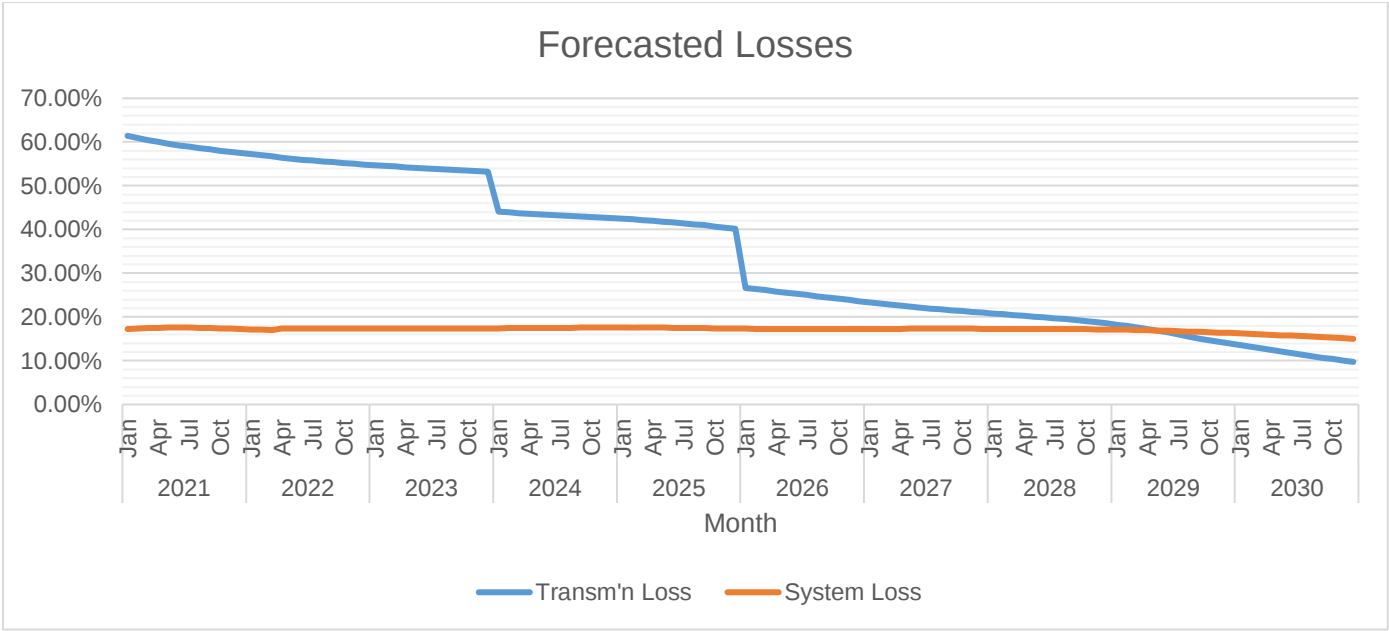
|      |     | MWh Offtake | MWh Output | MWh System Loss | Transm'n Loss | System Loss |
|------|-----|-------------|------------|-----------------|---------------|-------------|
|      | Sep | 4,205       | 2,979      | 593             | 15.06%        | 16.60%      |
|      | Oct | 4,205       | 2,993      | 592             | 14.74%        | 16.52%      |
|      | Nov | 4,205       | 3,010      | 592             | 14.34%        | 16.43%      |
|      | Dec | 4,205       | 3,028      | 591             | 13.95%        | 16.34%      |
| 2030 | Jan | 4,205       | 3,044      | 591             | 13.56%        | 16.25%      |
|      | Feb | 4,205       | 3,061      | 590             | 13.18%        | 16.15%      |
|      | Mar | 4,205       | 3,078      | 589             | 12.81%        | 16.05%      |
|      | Apr | 4,205       | 3,095      | 587             | 12.45%        | 15.95%      |
|      | May | 4,205       | 3,111      | 586             | 12.09%        | 15.84%      |
|      | Jun | 4,205       | 3,128      | 584             | 11.73%        | 15.73%      |
|      | Jul | 4,205       | 3,145      | 582             | 11.39%        | 15.62%      |
|      | Aug | 4,205       | 3,161      | 580             | 11.05%        | 15.50%      |
|      | Sep | 4,205       | 3,177      | 578             | 10.71%        | 15.38%      |
|      | Oct | 4,205       | 3,194      | 575             | 10.38%        | 15.26%      |
|      | Nov | 4,205       | 3,210      | 572             | 10.06%        | 15.14%      |
|      | Dec | 4,205       | 3,226      | 570             | 9.74%         | 15.01%      |

MWh Offtake was forecasted using  $Y=at^2 + c$  (Quadratic Trending). The assumed load factor is 56.0% on the average basis. As regard of over contracting of power supply, final decision of ERC with regards to EPPA entered by CAMELCO and FDC was to reduce 4MW contracted capacity to 2MW.

System Loss was calculated through a Load Flow Study conducted on December 2020 by CAMELCO TSD Department using Synergi and ETAP 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 0.42% annually on the average basis.



Transmission Loss is expected to range from 9.74% to 61.42% while System Loss is expected to range from 15.01% to 17.59%.

## Power Supply

| Case No.    | Type         | GenCo                                                      | Minimum MW | Minimum MWh/yr | PSA Start | PSA End    |
|-------------|--------------|------------------------------------------------------------|------------|----------------|-----------|------------|
| 2018-054 RC | Base         | Power Sector Assets and Liabilities Management Corporation | 1.00       | 400            | 1/1/2021  | 12/31/2023 |
| 2015-068 RC | Intermediate | FDC Misamis Power Corporation                              | 1.60       | 1,168          | 6/1/2018  | 12/30/2033 |
| 2014-119 RC | Peaking      | King Energy Generation, Inc.                               | 1.00       | 373            | 1/1/2014  | 12/30/2024 |
| 2014-011 RC | Base         | GN Power Kauswagan Ltd.                                    | 1.09       | 514            | 1/1/2020  | 12/30/2040 |

The PSA with PA filed with ERC under Case No. 2018-054 RC was procured through CSP. It was selected to provide for base requirements due to lower rate. Historically, the utilization of the PSA is 25%. Outages of the plant led to unserved energy of around 566 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 2.60 P/kWh to 3.00 P/KWh in the same period.

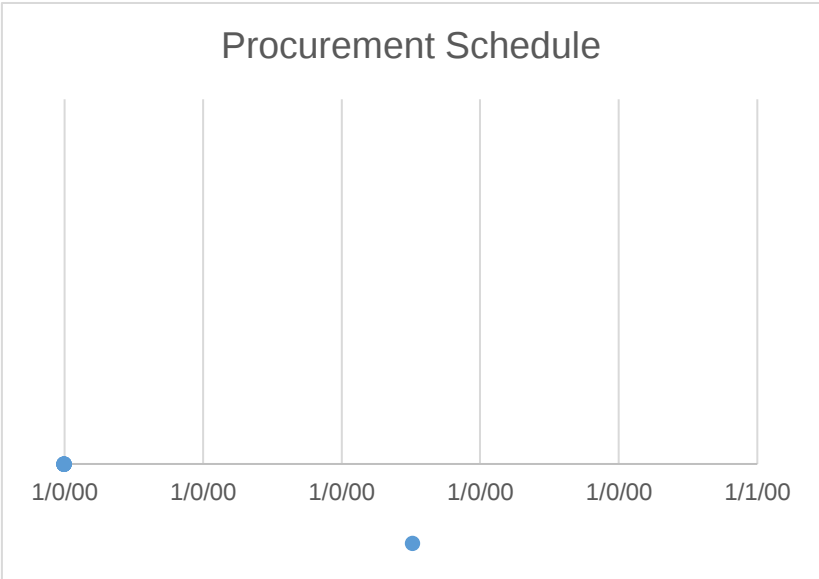
| Case No.    | Type         | GenCo                                                      | Minimum MW | Minimum MWh/yr | PSA Start | PSA End    |
|-------------|--------------|------------------------------------------------------------|------------|----------------|-----------|------------|
| 2018-054 RC | Base         | Power Sector Assets and Liabilities Management Corporation | 1.00       | 400            | 1/1/2021  | 12/31/2023 |
| 2015-068 RC | Intermediate | FDC Misamis Power Corporation                              | 1.60       | 1,168          | 6/1/2018  | 12/30/2033 |
| 2014-119 RC | Peaking      | King Energy Generation, Inc.                               | 1.00       | 373            | 1/1/2014  | 12/30/2024 |
| 2014-011 RC | Base         | GN Power Kauswagan Ltd.                                    | 1.09       | 514            | 1/1/2020  | 12/30/2040 |

The PSA with PA filed with ERC under Case No. 2015-068 RC was procured through CSP. It was selected to provide for intermediate requirements due to growing energy consumption. Historically, the utilization of the PSA is 68%. Outages of the plant led to unserved energy of around 1,542 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 5.60 P/kWh to 6.00 P/KWh in the same period.

| Case No.    | Type         | GenCo                                                      | Minimum MW | Minimum MWh/yr | PSA Start | PSA End    |
|-------------|--------------|------------------------------------------------------------|------------|----------------|-----------|------------|
| 2018-054 RC | Base         | Power Sector Assets and Liabilities Management Corporation | 1.00       | 400            | 1/1/2021  | 12/31/2023 |
| 2015-068 RC | Intermediate | FDC Misamis Power Corporation                              | 1.60       | 1,168          | 6/1/2018  | 12/30/2033 |
| 2014-119 RC | Peaking      | King Energy Generation, Inc.                               | 1.00       | 373            | 1/1/2014  | 12/30/2024 |
| 2014-011 RC | Base         | GN Power Kauswagan Ltd.                                    | 1.09       | 514            | 1/1/2020  | 12/30/2040 |

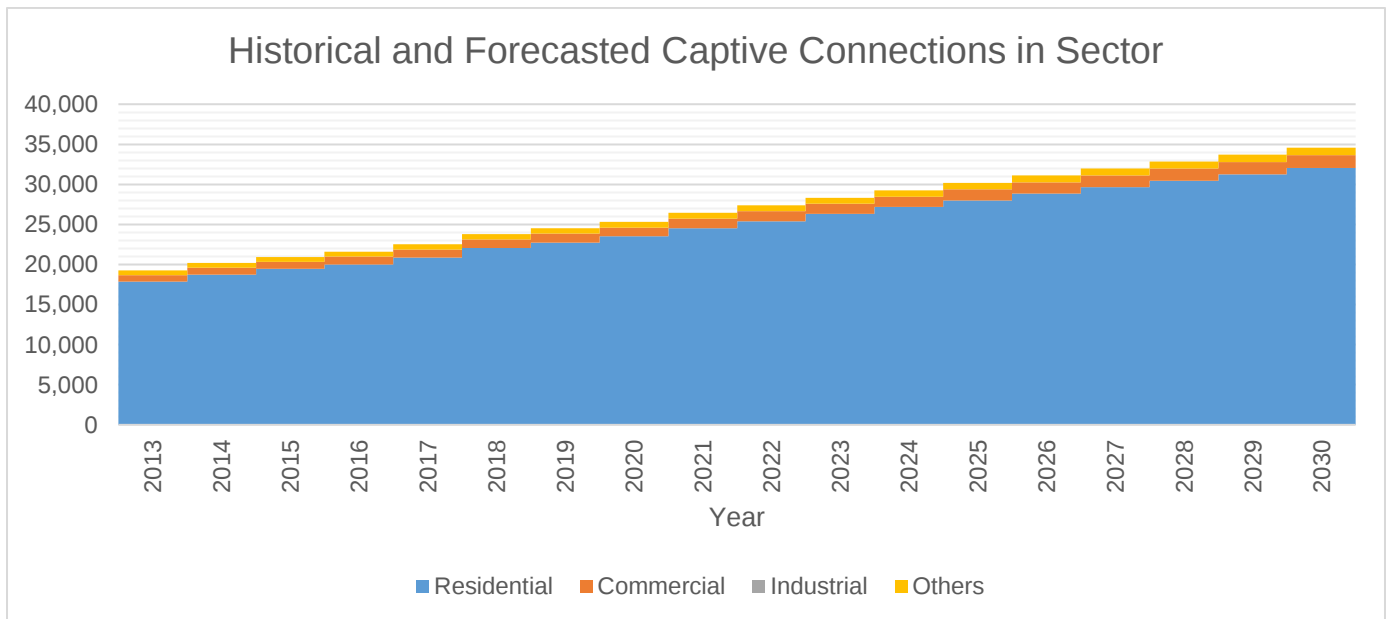
The PSA with PA filed with ERC under Case No. 2014-119 RC was procured through CSP. It was selected to provide for peaking requirements due to growing energy consumption and under voltage case during peak loads. Historically, the utilization of the PSA is 6.6%. Outages of the plant led to unserved energy of around 154 MWh in the past year. The actual billed overall monthly charge under the PSA ranged from 13.5 P/kWh to 15 P/KWh in the same period.

|                |   |
|----------------|---|
|                |   |
| Type           |   |
| Minimum MW     |   |
| Minimum MWh/yr |   |
| PSA Start      |   |
| PSA End        |   |
| Publication    |   |
| Pre-bid        | 0 |
| Opening        | 0 |
| Awarding       | 0 |
| PSA Signing    | 0 |
| Joint Filing   | 0 |



As stated earlier CAMELCO has over contracted power supply. Although RPS is a government mandate but it’s very difficult for CAMELCO to enter another power supply agreement since it will have a great impact for the rate increase thus will lead our member consumer owner will only suffer the said consequences. However, CAMELCO may consider future renewal of CSEE with PSALM to augment supply requirements and also with the compliance of RPS requirements.

## Captive Customer Connections



The number of residential connections is expected to grow at a rate of 3.02% annually on the average basis. Said customer class is expected to account for 64.34% of the total consumption.