# Power Supply Procurement Plan 2021

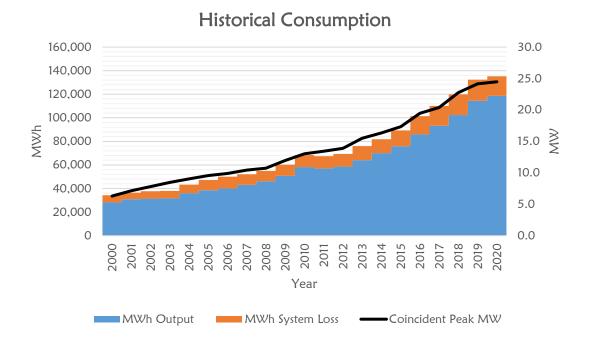


Occidental Mindoro Electric Cooperative, Inc.

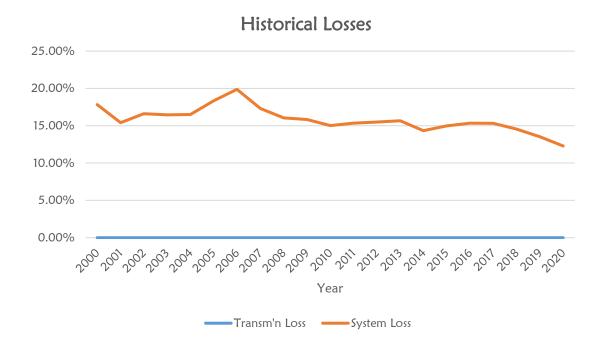
# Historical Consumption Data

|      | Coincident<br>Peak MW | MWh<br>Offtake | MWh<br>Input | MWh<br>Output | MWh System<br>Loss | Load<br>Factor | System Loss |
|------|-----------------------|----------------|--------------|---------------|--------------------|----------------|-------------|
| 2000 | 6.30                  | 34,285         | 34,285       | 28,167        | 6,118              | 62%            | 17.84%      |
| 2001 | 7.15                  | 36,476         | 36,476       | 30,856        | 5,620              | 58%            | 15.41%      |
| 2002 | 7.80                  | 37,746         | 37,746       | 31,479        | 6,267              | 55%            | 16.60%      |
| 2003 | 8.46                  | 38,005         | 38,005       | 31,750        | 6,255              | 51%            | 16.46%      |
| 2004 | 9.03                  | 43,279         | 43,279       | 36,139        | 7,140              | 55%            | 16.50%      |
| 2005 | 9.56                  | 47,190         | 47,190       | 38,527        | 8,663              | 56%            | 18.36%      |
| 2006 | 9.89                  | 50,002         | 50,002       | 40,062        | 9,940              | 58%            | 19.88%      |
| 2007 | 10.43                 | 52,114         | 52,114       | 43,092        | 9,022              | 57%            | 17.31%      |
| 2008 | 10.73                 | 55,024         | 55,024       | 46,190        | 8,834              | 59%            | 16.06%      |
| 2009 | 11.97                 | 60,264         | 60,264       | 50,716        | 9,547              | 57%            | 15.84%      |
| 2010 | 13.04                 | 68,454         | 68,454       | 58,176        | 10,278             | 60%            | 15.01%      |
| 2011 | 13.43                 | 67,427         | 67,427       | 57,079        | 10,348             | 57%            | 15.35%      |
| 2012 | 13.90                 | 69,295         | 69,295       | 58,556        | 10,739             | 57%            | 15.50%      |
| 2013 | 15.50                 | 76,017         | 76,017       | 64,102        | 11,915             | 56%            | 15.67%      |
| 2014 | 16.35                 | 81,779         | 81,779       | 70,059        | 11,720             | 57%            | 14.33%      |
| 2015 | 17.34                 | 89,269         | 89,269       | 75,899        | 13,371             | 59%            | 14.98%      |
| 2016 | 19.48                 | 101,424        | 101,424      | 85,858        | 15,565             | 59%            | 15.35%      |
| 2017 | 20.38                 | 110,144        | 110,144      | 93,264        | 16,880             | 62%            | 15.33%      |
| 2018 | 22.76                 | 119,803        | 119,803      | 102,377       | 17,426             | 60%            | 14.55%      |
| 2019 | 24.16                 | 132,352        | 132,352      | 114,458       | 17,894             | 63%            | 13.52%      |
| 2020 | 24.48                 | 135,203        | 135,203      | 118,591       | 16,612             | 63%            | 12.29%      |

The peak demand in 2020 is 24.48 MW higher than the 24.16 MW in 2019 of one percent (1%). Peak Demand has no significant changes due to the effect of pandemic to the local economic activities.

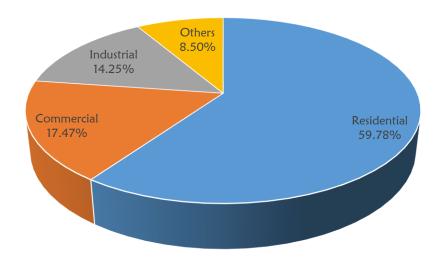


MWh Output increased from year 2019 to year 2020 at a rate of 3.5%, while MWh System Loss decreased at a rate of 7.7% within the same period.



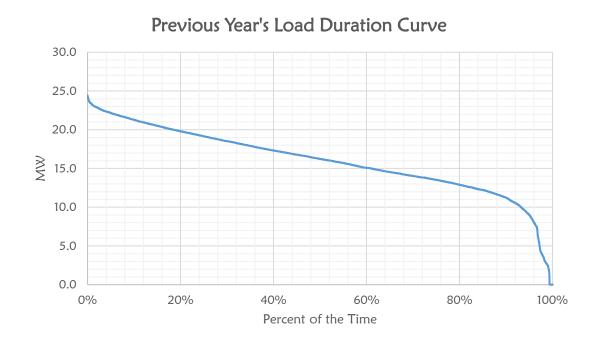
Historically, System Loss ranged from 19.88% to 12.29%. System Loss peaked at 19.88% on year 2006. The system loss curve is somehow reflective of non-technical system loss as determined from the distribution system loss segregation in 2006 where the technical system loss was computed ranging from 7% to 8% during the historical year 2001 to 2005.

#### Previous Year's Shares of Energy Sales



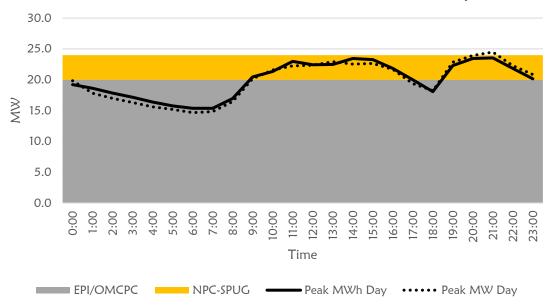
Residential customers account for the bulk of energy sales at 59.78% due to the high number of connections. In contrast, Public Building and Street Lights (Others) customers accounted for only 8.5% of energy sales due to the low number of connections.

### Previous Year's Load Profile



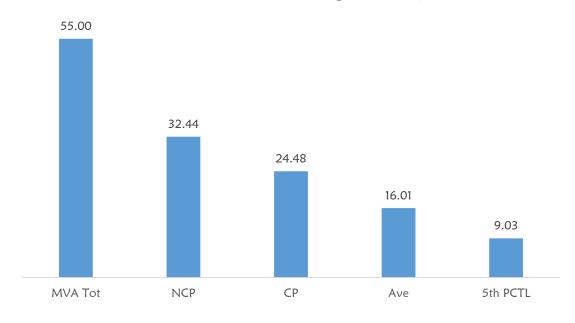
Based on the Load Duration Curve, the minimum load is 1.18 MW and the maximum load is 24.48 MW for the last historical year.





Peak MW occurred on 11th day of May due to summer season. As shown in the Load Curves, the available supply is little bit lower than the Peak Demand.





The Non-coincident Peak Demand is 32.44 MW, which is around 59% of the total substation capacity of 55 MVA at a power factor of 96%. The load factor or the ratio between the Average Load of 16.17 MW and the Non-coincident Peak Demand is 49%. A safe estimate of the true minimum load is the fifth percentile load of 9.03 MW which is 28% of the Non-coincident Peak Demand.

| Metering<br>Point | Substation<br>MVA | Substation<br>Peak MW |
|-------------------|-------------------|-----------------------|
| Pulang Lupa       | 25                | 12.697                |
| Magbay            | 10                | 8.000                 |
| Tayamaan          | 10                | 6.200                 |
| Eco-Park          | 5                 | 3.600                 |
| Pag-asa           | 5                 | 1.945                 |

NPC-Magbay and Eco-Park Substations loading is above 70%. This loading problem will be solved by constructing an additional 15 MVA substation in the vicinity of OMECO Main Office Compound and 5 MVA Substation in Sta Cruz.

# Forecasted Consumption Data

|      |     | Coincident<br>Peak MW | Contracted<br>MW | Pending<br>MW | Planned<br>MW | Existing<br>Contracting<br>Level | Target Contracting Level | MW Surplus /<br>Deficit |
|------|-----|-----------------------|------------------|---------------|---------------|----------------------------------|--------------------------|-------------------------|
| 2021 | Jan | 22.75                 | 24.00            | 0.00          | 0.000         | 105%                             | 105%                     | 1.25                    |
|      | Feb | 24.19                 | 24.00            | 0.00          | 0.000         | 99%                              | 99%                      | -0.19                   |
|      | Mar | 26.18                 | 24.00            | 0.00          | 0.000         | 92%                              | 92%                      | -2.18                   |
|      | Apr | 25.75                 | 24.00            | 0.00          | 0.000         | 93%                              | 93%                      | -1.75                   |
|      | May | 26.73                 | 24.00            | 0.00          | 0.000         | 90%                              | 90%                      | -2.73                   |
|      | Jun | 26.66                 | 24.00            | 0.00          | 0.000         | 90%                              | 90%                      | -2.66                   |
|      | Jul | 26.36                 | 4.00             | 25.00         | 0.000         | 15%                              | 110%                     | 2.64                    |
|      | Aug | 25.35                 | 4.00             | 25.00         | 0.000         | 16%                              | 114%                     | 3.65                    |
|      | Sep | 25.91                 | 4.00             | 25.00         | 0.000         | 15%                              | 112%                     | 3.09                    |
|      | Oct | 25.13                 | 4.00             | 25.00         | 0.000         | 16%                              | 115%                     | 3.87                    |
|      | Nov | 25.06                 | 4.00             | 25.00         | 0.000         | 16%                              | 116%                     | 3.94                    |
|      | Dec | 26.04                 | 4.00             | 25.00         | 0.000         | 15%                              | 111%                     | 2.96                    |
| 2022 | Jan | 24.32                 | 0.00             | 0.00          | 31.000        | 0%                               | 127%                     | 6.68                    |
|      | Feb | 25.87                 | 0.00             | 0.00          | 31.000        | 0%                               | 120%                     | 5.13                    |
|      | Mar | 28.00                 | 0.00             | 0.00          | 31.000        | 0%                               | 111%                     | 3.00                    |
|      | Apr | 27.53                 | 0.00             | 0.00          | 31.000        | 0%                               | 113%                     | 3.47                    |
|      | May | 28.58                 | 0.00             | 0.00          | 31.000        | 0%                               | 108%                     | 2.42                    |
|      | Jun | 28.51                 | 0.00             | 0.00          | 31.000        | 0%                               | 109%                     | 2.49                    |
|      | Jul | 28.18                 | 0.00             | 0.00          | 31.000        | 0%                               | 110%                     | 2.82                    |
|      | Aug | 27.11                 | 0.00             | 0.00          | 31.000        | 0%                               | 114%                     | 3.89                    |
|      | Sep | 27.71                 | 0.00             | 0.00          | 31.000        | 0%                               | 112%                     | 3.29                    |
|      | Oct | 26.88                 | 0.00             | 0.00          | 31.000        | 0%                               | 115%                     | 4.12                    |
|      | Nov | 26.80                 | 0.00             | 0.00          | 31.000        | 0%                               | 116%                     | 4.20                    |
|      | Dec | 27.85                 | 0.00             | 0.00          | 31.000        | 0%                               | 111%                     | 3.15                    |
| 2023 | Jan | 25.93                 | 0.00             | 0.00          | 34.000        | 0%                               | 131%                     | 8.07                    |
|      | Feb | 27.58                 | 0.00             | 0.00          | 34.000        | 0%                               | 123%                     | 6.42                    |

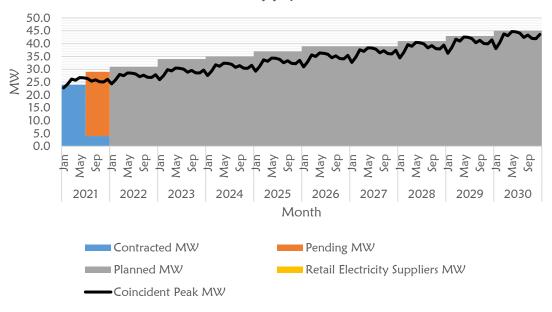
|      |     | Coincident<br>Peak MW | Contracted<br>MW | Pending<br>MW | Planned<br>MW | Existing<br>Contracting<br>Level | Target Contracting Level | MW Surplus /<br>Deficit |
|------|-----|-----------------------|------------------|---------------|---------------|----------------------------------|--------------------------|-------------------------|
|      | Mar | 29.85                 | 0.00             | 0.00          | 34.000        | 0%                               | 114%                     | 4.15                    |
|      | Apr | 29.35                 | 0.00             | 0.00          | 34.000        | 0%                               | 116%                     | 4.65                    |
|      | May | 30.47                 | 0.00             | 0.00          | 34.000        | 0%                               | 112%                     | 3.53                    |
|      | Jun | 30.40                 | 0.00             | 0.00          | 34.000        | 0%                               | 112%                     | 3.60                    |
|      | Jul | 30.05                 | 0.00             | 0.00          | 34.000        | 0%                               | 113%                     | 3.95                    |
|      | Aug | 28.90                 | 0.00             | 0.00          | 34.000        | 0%                               | 118%                     | 5.10                    |
|      | Sep | 29.54                 | 0.00             | 0.00          | 34.000        | 0%                               | 115%                     | 4.46                    |
|      | Oct | 28.65                 | 0.00             | 0.00          | 34.000        | 0%                               | 119%                     | 5.35                    |
|      | Νον | 28.57                 | 0.00             | 0.00          | 34.000        | 0%                               | 119%                     | 5.43                    |
|      | Dec | 29.69                 | 0.00             | 0.00          | 34.000        | 0%                               | 115%                     | 4.31                    |
| 2024 | Jan | 27.57                 | 0.00             | 0.00          | 35.000        | 0%                               | 127%                     | 7.43                    |
|      | Feb | 29.32                 | 0.00             | 0.00          | 35.000        | 0%                               | 119%                     | 5.68                    |
|      | Mar | 31.73                 | 0.00             | 0.00          | 35.000        | 0%                               | 110%                     | 3.27                    |
|      | Apr | 31.20                 | 0.00             | 0.00          | 35.000        | 0%                               | 112%                     | 3.80                    |
|      | May | 32.39                 | 0.00             | 0.00          | 35.000        | 0%                               | 108%                     | 2.61                    |
|      | Jun | 32.31                 | 0.00             | 0.00          | 35.000        | 0%                               | 108%                     | 2.69                    |
|      | Jul | 31.94                 | 0.00             | 0.00          | 35.000        | 0%                               | 110%                     | 3.06                    |
|      | Aug | 30.73                 | 0.00             | 0.00          | 35.000        | 0%                               | 114%                     | 4.27                    |
|      | Sep | 31.40                 | 0.00             | 0.00          | 35.000        | 0%                               | 111%                     | 3.60                    |
|      | Oct | 30.46                 | 0.00             | 0.00          | 35.000        | 0%                               | 115%                     | 4.54                    |
|      | Νον | 30.37                 | 0.00             | 0.00          | 35.000        | 0%                               | 115%                     | 4.63                    |
|      | Dec | 31.56                 | 0.00             | 0.00          | 35.000        | 0%                               | 111%                     | 3.44                    |
| 2025 | Jan | 29.23                 | 0.00             | 0.00          | 37.000        | 0%                               | 127%                     | 7.77                    |
|      | Feb | 31.09                 | 0.00             | 0.00          | 37.000        | 0%                               | 119%                     | 5.91                    |
|      | Mar | 33.65                 | 0.00             | 0.00          | 37.000        | 0%                               | 110%                     | 3.35                    |
|      | Apr | 33.09                 | 0.00             | 0.00          | 37.000        | 0%                               | 112%                     | 3.91                    |
|      | May | 34.35                 | 0.00             | 0.00          | 37.000        | 0%                               | 108%                     | 2.65                    |
|      | Jun | 34.27                 | 0.00             | 0.00          | 37.000        | 0%                               | 108%                     | 2.73                    |
|      | Jul | 33.88                 | 0.00             | 0.00          | 37.000        | 0%                               | 109%                     | 3.12                    |
|      | Aug | 32.58                 | 0.00             | 0.00          | 37.000        | 0%                               | 114%                     | 4.42                    |
|      | Sep | 33.30                 | 0.00             | 0.00          | 37.000        | 0%                               | 111%                     | 3.70                    |
|      | Oct | 32.30                 | 0.00             | 0.00          | 37.000        | 0%                               | 115%                     | 4.70                    |
|      | Νον | 32.21                 | 0.00             | 0.00          | 37.000        | 0%                               | 115%                     | 4.79                    |
|      | Dec | 33.47                 | 0.00             | 0.00          | 37.000        | 0%                               | 111%                     | 3.53                    |
| 2026 | Jan | 30.93                 | 0.00             | 0.00          | 39.000        | 0%                               | 126%                     | 8.07                    |
|      | Feb | 32.90                 | 0.00             | 0.00          | 39.000        | 0%                               | 119%                     | 6.10                    |
|      | Mar | 35.61                 | 0.00             | 0.00          | 39.000        | 0%                               | 110%                     | 3.39                    |
|      | Apr | 35.01                 | 0.00             | 0.00          | 39.000        | 0%                               | 111%                     | 3.99                    |
|      | May | 36.35                 | 0.00             | 0.00          | 39.000        | 0%                               | 107%                     | 2.65                    |
|      | Jun | 36.26                 | 0.00             | 0.00          | 39.000        | 0%                               | 108%                     | 2.74                    |
|      | Jul | 35.84                 | 0.00             | 0.00          | 39.000        | 0%                               | 109%                     | 3.16                    |
|      | Aug | 34.48                 | 0.00             | 0.00          | 39.000        | 0%                               | 113%                     | 4.52                    |
|      | Sep | 35.24                 | 0.00             | 0.00          | 39.000        | 0%                               | 111%                     | 3.76                    |

|      |     | Coincident<br>Peak MW | Contracted<br>MW | Pending<br>MW | Planned<br>MW | Existing Contracting Level | Target Contracting Level | MW Surplus /<br>Deficit |
|------|-----|-----------------------|------------------|---------------|---------------|----------------------------|--------------------------|-------------------------|
|      | Oct | 34.18                 | 0.00             | 0.00          | 39.000        | 0%                         | 114%                     | 4.82                    |
|      | Νον | 34.08                 | 0.00             | 0.00          | 39.000        | 0%                         | 114%                     | 4.92                    |
|      | Dec | 35.41                 | 0.00             | 0.00          | 39.000        | 0%                         | 110%                     | 3.59                    |
| 2027 | Jan | 32.66                 | 0.00             | 0.00          | 39.000        | 0%                         | 119%                     | 6.34                    |
|      | Feb | 34.74                 | 0.00             | 0.00          | 39.000        | 0%                         | 112%                     | 4.26                    |
|      | Mar | 37.60                 | 0.00             | 0.00          | 39.000        | 0%                         | 104%                     | 1.40                    |
|      | Apr | 36.97                 | 0.00             | 0.00          | 39.000        | 0%                         | 105%                     | 2.03                    |
|      | May | 38.38                 | 0.00             | 0.00          | 39.000        | 0%                         | 102%                     | 0.62                    |
|      | Jun | 38.29                 | 0.00             | 0.00          | 39.000        | 0%                         | 102%                     | 0.71                    |
|      | Jul | 37.85                 | 0.00             | 0.00          | 39.000        | 0%                         | 103%                     | 1.15                    |
|      | Aug | 36.41                 | 0.00             | 0.00          | 39.000        | 0%                         | 107%                     | 2.59                    |
|      | Sep | 37.21                 | 0.00             | 0.00          | 39.000        | 0%                         | 105%                     | 1.79                    |
|      | Oct | 36.09                 | 0.00             | 0.00          | 39.000        | 0%                         | 108%                     | 2.91                    |
|      | Νον | 35.98                 | 0.00             | 0.00          | 39.000        | 0%                         | 108%                     | 3.02                    |
|      | Dec | 37.40                 | 0.00             | 0.00          | 39.000        | 0%                         | 104%                     | 1.60                    |
| 2028 | Jan | 34.43                 | 0.00             | 0.00          | 41.000        | 0%                         | 119%                     | 6.57                    |
|      | Feb | 36.61                 | 0.00             | 0.00          | 41.000        | 0%                         | 112%                     | 4.39                    |
|      | Mar | 39.63                 | 0.00             | 0.00          | 41.000        | 0%                         | 103%                     | 1.37                    |
|      | Apr | 38.97                 | 0.00             | 0.00          | 41.000        | 0%                         | 105%                     | 2.03                    |
|      | May | 40.46                 | 0.00             | 0.00          | 41.000        | 0%                         | 101%                     | 0.54                    |
|      | Jun | 40.36                 | 0.00             | 0.00          | 41.000        | 0%                         | 102%                     | 0.64                    |
|      | Jul | 39.89                 | 0.00             | 0.00          | 41.000        | 0%                         | 103%                     | 1.11                    |
|      | Aug | 38.37                 | 0.00             | 0.00          | 41.000        | 0%                         | 107%                     | 2.63                    |
|      | Sep | 39.22                 | 0.00             | 0.00          | 41.000        | 0%                         | 105%                     | 1.78                    |
|      | Oct | 38.04                 | 0.00             | 0.00          | 41.000        | 0%                         | 108%                     | 2.96                    |
|      | Νον | 37.93                 | 0.00             | 0.00          | 41.000        | 0%                         | 108%                     | 3.07                    |
|      | Dec | 39.41                 | 0.00             | 0.00          | 41.000        | 0%                         | 104%                     | 1.59                    |
| 2029 | Jan | 36.22                 | 0.00             | 0.00          | 43.000        | 0%                         | 119%                     | 6.78                    |
|      | Feb | 38.52                 | 0.00             | 0.00          | 43.000        | 0%                         | 112%                     | 4.48                    |
|      | Mar | 41.70                 | 0.00             | 0.00          | 43.000        | 0%                         | 103%                     | 1.30                    |
|      | Apr | 41.00                 | 0.00             | 0.00          | 43.000        | 0%                         | 105%                     | 2.00                    |
|      | May | 42.57                 | 0.00             | 0.00          | 43.000        | 0%                         | 101%                     | 0.43                    |
|      | Jun | 42.46                 | 0.00             | 0.00          | 43.000        | 0%                         | 101%                     | 0.54                    |
|      | Jul | 41.98                 | 0.00             | 0.00          | 43.000        | 0%                         | 102%                     | 1.02                    |
|      | Aug | 40.38                 | 0.00             | 0.00          | 43.000        | 0%                         | 106%                     | 2.62                    |
|      | Sep | 41.26                 | 0.00             | 0.00          | 43.000        | 0%                         | 104%                     | 1.74                    |
|      | Oct | 40.03                 | 0.00             | 0.00          | 43.000        | 0%                         | 107%                     | 2.97                    |
|      | Nov | 39.91                 | 0.00             | 0.00          | 43.000        | 0%                         | 108%                     | 3.09                    |
|      | Dec | 41.47                 | 0.00             | 0.00          | 43.000        | 0%                         | 104%                     | 1.53                    |
| 2030 | Jan | 38.05                 | 0.00             | 0.00          | 45.000        | 0%                         | 118%                     | 6.95                    |
|      | Feb | 40.47                 | 0.00             | 0.00          | 45.000        | 0%                         | 111%                     | 4.53                    |
|      | Mar | 43.80                 | 0.00             | 0.00          | 45.000        | 0%                         | 103%                     | 1.20                    |
|      | Apr | 43.07                 | 0.00             | 0.00          | 45.000        | 0%                         | 104%                     | 1.93                    |

|     | Coincident<br>Peak MW | Contracted<br>MW | Pending<br>MW | Planned<br>MW | Existing<br>Contracting<br>Level | Target<br>Contracting<br>Level | MW Surplus /<br>Deficit |
|-----|-----------------------|------------------|---------------|---------------|----------------------------------|--------------------------------|-------------------------|
| May | 44.72                 | 0.00             | 0.00          | 45.000        | 0%                               | 101%                           | 0.28                    |
| Jun | 44.61                 | 0.00             | 0.00          | 45.000        | 0%                               | 101%                           | 0.39                    |
| Jul | 44.10                 | 0.00             | 0.00          | 45.000        | 0%                               | 102%                           | 0.90                    |
| Aug | 42.42                 | 0.00             | 0.00          | 45.000        | 0%                               | 106%                           | 2.58                    |
| Sep | 43.35                 | 0.00             | 0.00          | 45.000        | 0%                               | 104%                           | 1.65                    |
| Oct | 42.05                 | 0.00             | 0.00          | 45.000        | 0%                               | 107%                           | 2.95                    |
| Nov | 41.92                 | 0.00             | 0.00          | 45.000        | 0%                               | 107%                           | 3.08                    |
| Dec | 43.57                 | 0.00             | 0.00          | 45.000        | 0%                               | 103%                           | 1.43                    |

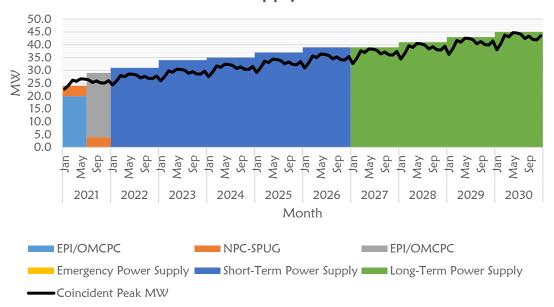
The Peak Demand was forecasted using linear model and OMECO's 5-Year Normalized Historical Energy Data including the Energy Not Served during power outages, and was assumed to occur on the month of May due to summer season. In general, Peak Demand is expected to grow at an average rate of 6% annually.



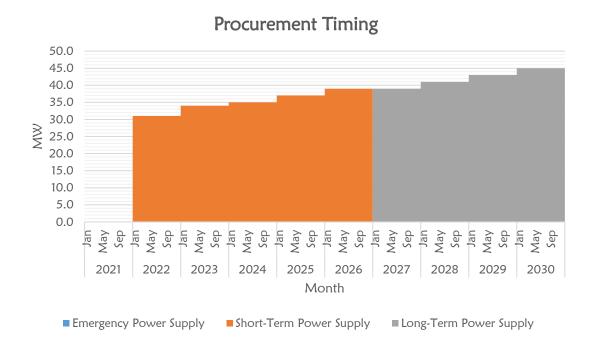


The available supply is above the Peak Demand thru Emergency Power Supply. However, the conduct of Competitive Selection Process for the New Power Provider is ongoing.

#### Forecasted Supply vs Demand



Of the available supply, 25 MW from the existing NPP and 4MW from the NPC-SPUG.

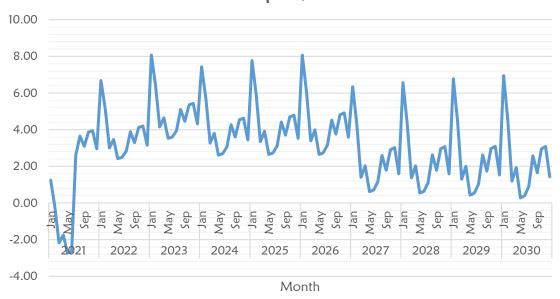


Only the 4 MW of NPC at Mamburao and 20 MW of OMCPC or 24 MW of the 29 MW Emergency Power Supply Agreement (EPSA1) were available on 01 January 2021. The 5MW of OMCPC was not materialized due to their difficulties to comply the Energy Regulatory Commission requirement. The Short-term Power Supply Procurement is planned to be completed before 01 January 2022. The Long-term Power Supply has no definite plan due to Batangas-Mindoro Interconnection Project consideration.





## MW Surplus / Deficit



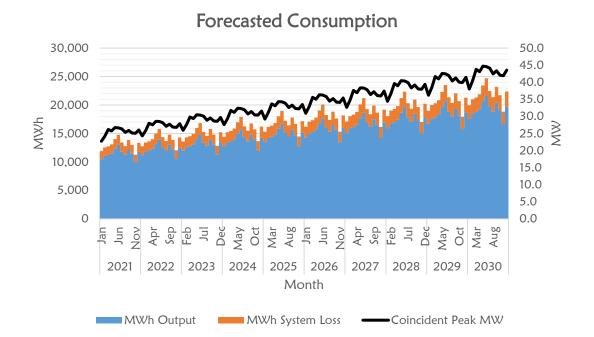
Currently, there is no under-contracting. The highest surplus is 6.78 MW which is expected to occur on the month of January 2029. The lowest deficit is 0.47 MW which is expected to occur on the month of May 2030.

|      |            | MWh Offtake      | MWh Output       | MWh System<br>Loss | Transm'n Loss  | System Loss      |
|------|------------|------------------|------------------|--------------------|----------------|------------------|
| 2021 | Jan        | 11,920           | 10,489           | 1,431              | 0.00%          | 12.01%           |
|      | Feb        | 12,565           | 11,058           | 1,507              | 0.00%          | 11.99%           |
|      | Mar        | 12,753           | 11,222           | 1,531              | 0.00%          | 12.01%           |
|      | Apr        | 13,088           | 11,519           | 1,569              | 0.00%          | 11.99%           |
|      | May        | 14,008           | 12,328           | 1,680              | 0.00%          | 11.99%           |
|      | Jun        | 14,765           | 12,993           | 1,772              | 0.00%          | 12.00%           |
|      | Jul        | 13,415           | 11,806           | 1,609              | 0.00%          | 11.99%           |
|      | Aug        | 12,790           | 11,254           | 1,536              | 0.00%          | 12.01%           |
|      | Sep        | 13,852           | 12,190           | 1,662              | 0.00%          | 12.00%           |
|      | Oct        | 12,983           | 11,425           | 1,558              | 0.00%          | 12.00%           |
|      | Νον        | 11,258           | 9,907            | 1,351              | 0.00%          | 12.00%           |
|      | Dec        | 13,367           | 11,764           | 1,603              | 0.00%          | 11.99%           |
| 2022 | Jan        | 12,746           | 11,216           | 1,530              | 0.00%          | 12.00%           |
|      | Feb        | 13,436           | 11,824           | 1,612              | 0.00%          | 12.00%           |
|      | Mar        | 13,638           | 12,001           | 1,637              | 0.00%          | 12.00%           |
|      | Apr        | 13,996           | 12,316           | 1,680              | 0.00%          | 12.00%           |
|      | May        | 14,979           | 13,182           | 1,797              | 0.00%          | 12.00%           |
|      | Jun        | 15,789           | 13,894           | 1,895              | 0.00%          | 12.00%           |
|      | Jul        | 14,345           | 12,624           | 1,721              | 0.00%          | 12.00%           |
|      | Aug        | 13,676           | 12,033           | 1,643              | 0.00%          | 12.01%           |
|      | Sep        | 14,812           | 13,035           | 1,777              | 0.00%          | 12.00%           |
|      | Oct        | 13,883           | 12,217           | 1,666              | 0.00%          | 12.00%           |
|      | Νον        | 12,039           | 10,594           | 1,445              | 0.00%          | 12.00%           |
|      | Dec        | 14,294           | 12,580           | 1,714              | 0.00%          | 11.99%           |
| 2023 | Jan        | 13,588           | 11,958           | 1,630              | 0.00%          | 12.00%           |
|      | Feb        | 14,324           | 12,605           | 1,719              | 0.00%          | 12.00%           |
|      | Mar        | 14,539           | 12,794           | 1,745              | 0.00%          | 12.00%           |
|      | Apr        | 14,920           | 13,129           | 1,791              | 0.00%          | 12.00%           |
|      | May        | 15,969           | 14,052           | 1,917              | 0.00%          | 12.00%           |
|      | Jun        | 16,832           | 14,812           | 2,020              | 0.00%          | 12.00%           |
|      | Jul        | 15,293           | 13,458           | 1,835              | 0.00%          | 12.00%           |
|      | Aug        | 14,580           | 12,832           | 1,748              | 0.00%          | 11.99%           |
|      | Sep        | 15,790           | 13,897           | 1,893              | 0.00%          | 11.99%           |
|      | Oct        | 14,800           | 13,024           | 1,776              | 0.00%          | 12.00%           |
|      | Nov<br>Dec | 12,834<br>15,238 | 11,294<br>13,409 | 1,540              | 0.00%<br>0.00% | 12.00%<br>12.00% |
| 2024 | Jan        | 15,238           | 12,712           | 1,829<br>1,734     | 0.00%          | 12.00%           |
| 2024 | Feb        | 15,228           | 13,401           | 1,734              | 0.00%          | 12.00%           |
|      | Mar        | 15,226           | 13,401           | 1,855              | 0.00%          | 12.00%           |
|      | Apr        | 15,436           | 13,958           | 1,833              | 0.00%          | 12.00%           |
|      | May        | 16,977           | 14,940           | 2,037              | 0.00%          | 12.00%           |
|      | Jun        | 17,894           | 15,746           | 2,037              | 0.00%          | 12.00%           |
|      | Jul        | 16,258           | 14,308           | 1,950              | 0.00%          | 11.99%           |
|      | Aug        | 15,500           | 13,641           | 1,859              | 0.00%          | 11.99%           |
|      | Aug        | 15,500           | 13,071           | 1,057              | 0.00 /0        | 11.22/0          |

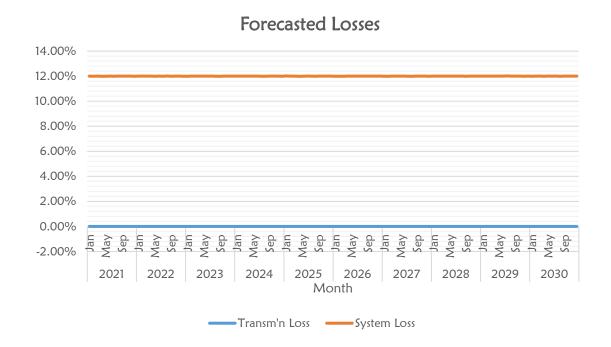
|      |     | MWh Offtake | MWh Output | MWh System<br>Loss | Transm'n Loss | System Loss |
|------|-----|-------------|------------|--------------------|---------------|-------------|
|      | Sep | 16,787      | 14,772     | 2,015              | 0.00%         | 12.00%      |
|      | Oct | 15,735      | 13,847     | 1,888              | 0.00%         | 12.00%      |
|      | Nov | 13,644      | 12,007     | 1,637              | 0.00%         | 12.00%      |
|      | Dec | 16,200      | 14,257     | 1,943              | 0.00%         | 11.99%      |
| 2025 | Jan | 15,320      | 13,480     | 1,840              | 0.00%         | 12.01%      |
|      | Feb | 16,149      | 14,210     | 1,939              | 0.00%         | 12.01%      |
|      | Mar | 16,391      | 14,424     | 1,967              | 0.00%         | 12.00%      |
|      | Apr | 16,822      | 14,804     | 2,018              | 0.00%         | 12.00%      |
|      | May | 18,004      | 15,844     | 2,160              | 0.00%         | 12.00%      |
|      | Jun | 18,977      | 16,700     | 2,277              | 0.00%         | 12.00%      |
|      | Jul | 17,242      | 15,173     | 2,069              | 0.00%         | 12.00%      |
|      | Aug | 16,438      | 14,466     | 1,972              | 0.00%         | 12.00%      |
|      | Sep | 17,803      | 15,666     | 2,137              | 0.00%         | 12.00%      |
|      | Oct | 16,687      | 14,684     | 2,003              | 0.00%         | 12.00%      |
|      | Νον | 14,469      | 12,732     | 1,737              | 0.00%         | 12.00%      |
|      | Dec | 17,180      | 15,118     | 2,062              | 0.00%         | 12.00%      |
| 2026 | Jan | 16,210      | 14,266     | 1,944              | 0.00%         | 11.99%      |
|      | Feb | 17,088      | 15,038     | 2,050              | 0.00%         | 12.00%      |
|      | Mar | 17,344      | 15,264     | 2,080              | 0.00%         | 11.99%      |
|      | Apr | 17,800      | 15,664     | 2,136              | 0.00%         | 12.00%      |
|      | May | 19,050      | 16,764     | 2,286              | 0.00%         | 12.00%      |
|      | Jun | 20,079      | 17,669     | 2,410              | 0.00%         | 12.00%      |
|      | Jul | 18,244      | 16,054     | 2,190              | 0.00%         | 12.00%      |
|      | Aug | 17,393      | 15,306     | 2,087              | 0.00%         | 12.00%      |
|      | Sep | 18,837      | 16,575     | 2,262              | 0.00%         | 12.01%      |
|      | Oct | 17,656      | 15,537     | 2,119              | 0.00%         | 12.00%      |
|      | Νον | 15,310      | 13,473     | 1,837              | 0.00%         | 12.00%      |
|      | Dec | 18,179      | 15,997     | 2,182              | 0.00%         | 12.00%      |
| 2027 | Jan | 17,117      | 15,064     | 2,053              | 0.00%         | 11.99%      |
|      | Feb | 18,044      | 15,880     | 2,164              | 0.00%         | 11.99%      |
|      | Mar | 18,314      | 16,116     | 2,198              | 0.00%         | 12.00%      |
|      | Apr | 18,795      | 16,539     | 2,256              | 0.00%         | 12.00%      |
|      | May | 20,116      | 17,702     | 2,414              | 0.00%         | 12.00%      |
|      | Jun | 21,203      | 18,659     | 2,544              | 0.00%         | 12.00%      |
|      | Jul | 19,265      | 16,954     | 2,311              | 0.00%         | 12.00%      |
|      | Aug | 18,366      | 16,163     | 2,203              | 0.00%         | 11.99%      |
|      | Sep | 19,891      | 17,503     | 2,388              | 0.00%         | 12.01%      |
|      | Oct | 18,644      | 16,405     | 2,239              | 0.00%         | 12.01%      |
|      | Nov | 16,167      | 14,227     | 1,940              | 0.00%         | 12.00%      |
| 2020 | Dec | 19,196      | 16,893     | 2,303              | 0.00%         | 12.00%      |
| 2028 | Jan | 18,041      | 15,876     | 2,165              | 0.00%         | 12.00%      |
|      | Feb | 19,018      | 16,735     | 2,283              | 0.00%         | 12.00%      |
|      | Mar | 19,303      | 16,986     | 2,317              | 0.00%         | 12.00%      |
|      | Apr | 19,810      | 17,433     | 2,377              | 0.00%         | 12.00%      |

|      |     | MWh Offtake | MWh Output | MWh System<br>Loss | Transm'n Loss | System Loss |
|------|-----|-------------|------------|--------------------|---------------|-------------|
|      | May | 21,202      | 18,658     | 2,544              | 0.00%         | 12.00%      |
|      | Jun | 22,348      | 19,665     | 2,683              | 0.00%         | 12.01%      |
|      | Jul | 20,305      | 17,867     | 2,438              | 0.00%         | 12.01%      |
|      | Aug | 19,358      | 17,034     | 2,324              | 0.00%         | 12.01%      |
|      | Sep | 20,965      | 18,450     | 2,515              | 0.00%         | 12.00%      |
|      | Oct | 19,651      | 17,292     | 2,359              | 0.00%         | 12.00%      |
|      | Nov | 17,040      | 14,995     | 2,045              | 0.00%         | 12.00%      |
|      | Dec | 20,232      | 17,804     | 2,428              | 0.00%         | 12.00%      |
| 2029 | Jan | 18,982      | 16,704     | 2,278              | 0.00%         | 12.00%      |
|      | Feb | 20,010      | 17,609     | 2,401              | 0.00%         | 12.00%      |
|      | Mar | 20,310      | 17,872     | 2,438              | 0.00%         | 12.00%      |
|      | Apr | 20,844      | 18,343     | 2,501              | 0.00%         | 12.00%      |
|      | May | 22,308      | 19,630     | 2,678              | 0.00%         | 12.00%      |
|      | Jun | 23,514      | 20,692     | 2,822              | 0.00%         | 12.00%      |
|      | Jul | 21,364      | 18,798     | 2,566              | 0.00%         | 12.01%      |
|      | Aug | 20,368      | 17,924     | 2,444              | 0.00%         | 12.00%      |
|      | Sep | 22,059      | 19,412     | 2,647              | 0.00%         | 12.00%      |
|      | Oct | 20,676      | 18,195     | 2,481              | 0.00%         | 12.00%      |
|      | Nov | 17,929      | 15,778     | 2,151              | 0.00%         | 12.00%      |
|      | Dec | 21,288      | 18,732     | 2,556              | 0.00%         | 12.01%      |
| 2030 | Jan | 19,941      | 17,549     | 2,392              | 0.00%         | 12.00%      |
|      | Feb | 21,021      | 18,499     | 2,522              | 0.00%         | 12.00%      |
|      | Mar | 21,336      | 18,776     | 2,560              | 0.00%         | 12.00%      |
|      | Apr | 21,897      | 19,270     | 2,627              | 0.00%         | 12.00%      |
|      | May | 23,435      | 20,623     | 2,812              | 0.00%         | 12.00%      |
|      | Jun | 24,702      | 21,738     | 2,964              | 0.00%         | 12.00%      |
|      | Jul | 22,443      | 19,749     | 2,694              | 0.00%         | 12.00%      |
|      | Aug | 21,397      | 18,831     | 2,566              | 0.00%         | 11.99%      |
|      | Sep | 23,174      | 20,393     | 2,781              | 0.00%         | 12.00%      |
|      | Oct | 21,721      | 19,114     | 2,607              | 0.00%         | 12.00%      |
|      | Νον | 18,835      | 16,575     | 2,260              | 0.00%         | 12.00%      |
|      | Dec | 22,363      | 19,679     | 2,684              | 0.00%         | 12.00%      |

MWh Offtake was forecasted using normalization of forecast data based on historical purchased energy with the foregone energy at the time of outages is added back to the records of energy served during the hour. System Loss was calculated through a Load Flow Study conducted using Distribution System Analysis Software (DSAS).



MWh Output is expected to grow at a rate of 6% annually.



System Loss is expected to be 12.00% or below.

## **Power Supply**

| Case No. | Type | GenCo                         | Minimum<br>MW | Minimum<br>MWh/yr | PSA Start | PSA End    |
|----------|------|-------------------------------|---------------|-------------------|-----------|------------|
| NPC-SPUG | Base | National Power<br>Corporation | 4.00          | 27,523            | 1/1/2021  | 12/31/2021 |

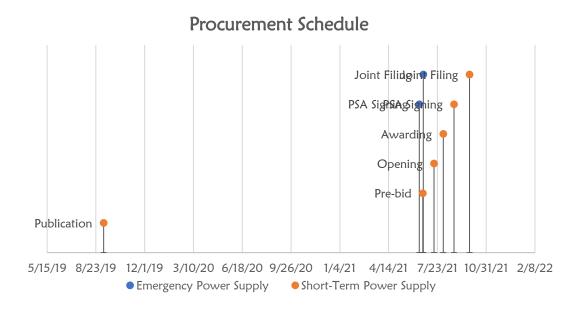
| Case No.  | Туре | GenCo | Minimum<br>MW | Minimum<br>MWh/yr | PSA Start | PSA End    |
|-----------|------|-------|---------------|-------------------|-----------|------------|
| EPI/OMCPC | Base | Other | 25.00         | 64,559            | 1/1/2021  | 6/25/2021  |
| EPI/OMCPC | Base | Other | 25.00         | 64,682            | 6/26/2021 | 12/31/2021 |

Since the country was hit by Coronavirus Disease (COVID-19) that prompted the government to implement lockdown throughout Luzon and other parts of the country. The uncertainties brought by the coronavirus crisis further delay the CSP of OMECO in view of the limited transition period of the ERC-approved OMCPC power supply to OMECO (i.e., expiring in the December 31, 2020), OMECO was advised by TRANSCO, the new CSP Advisor, to revise the OMECO Power Supply Procurement Plan and the CSP design to consider a one-year Emergency Power Supply Procurement in accordance with the policies of DOE and rules and regulations of the ERC. Therefore, this updated OMECO Power Supply Procurement Plan provides the context and information for an Emergency Power Supply Procurement to be negotiated by OMECO CSP TPBAC with OMCPC, the existing and lone power supplier of OMECO outside of NPC-SPUG with installed and operational power plant in Occidental Mindoro.

On 22 December 2020, the 20MW Emergency Power Supply Agreement was filed before the ERC. On 01 January 2021, the said power supply was commenced while waiting for the issuance of Provisional Authority (PA) from the ERC. However, the remaining 5MW is still on process of the application for Certificate of Endorsement from the DOE.

OMECO is currently conducting its Competitive Selection Process for its Short-Term Power Supply requirement which is targeted to be completed before January 2022 and the power supply will be available this year.

|                 | Emergency<br>Power<br>Supply | Short-Term<br>Power<br>Supply |
|-----------------|------------------------------|-------------------------------|
| Туре            | Base/Peaking                 | Base/Peaking                  |
| Minimum MW      | 29.00                        | 39.00                         |
| Minimum MWh/yr. |                              |                               |
| PSA Start       | 1/1/2021                     | 12/26/2022                    |
| PSA End         | 12/31/2021                   | 12/25/2026                    |
| Publication     |                              | 9/8/2019                      |
| Pre-bid         |                              | 6/23/2021                     |
| Opening         |                              | 7/16/2021                     |
| Awarding        |                              | 8/4/2021                      |
| PSA Signing     | 6/13/2021                    | 8/26/2021                     |
| Joint Filing    | 6/24/2021                    | 9/27/2021                     |



For the procurement of 29 MW Emergency Power Supply, only the 4MW of NPC at Mamburao and 20MW of OMCPC were available beginning January 1, 2021, while the remaining 5MW of OMCPC was not materialized due to the difficulties of compliance to ERC requirements. Emergency Power Supply Agreement (EPSA1) was ended last 25 June 2021.

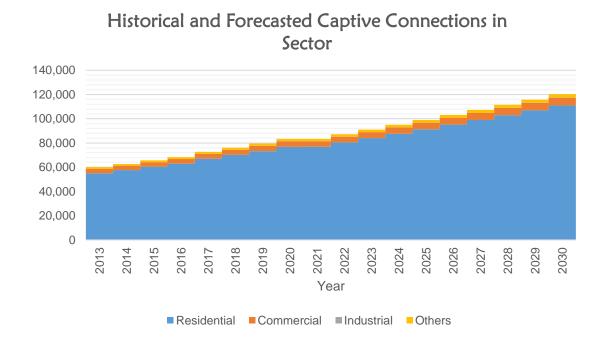
The 4MW of NPC at Mamburao was extended until 31 December 2021.

OMECO again requested another Certificate of Exemption (COE) from the Department of Energy for the 29 MW Emergency Power Supply (EPSA2) for the period of 26 June 2021 to 31 December 2021. The said COE was approved on 09 June 2021 and released on 11 June 2021.

OMECO and OMCPC filed the Joint Application before the Energy Regulatory Commission on 24 June 2021.

OMECO-TPBAC was conducted a Competitive Selection Process (CSP) for New Power Provider (NPP) of OMECO to Supply Power in Mainland Occidental Mindoro through Short-Term (2022 to 2026) Power Supply Agreement (PSA). It is consisting of three (3) lots (i.e., LOT I-SAMARICA Area, LOT II-Sablayan Area and LOT III-MAPSA Area). The Submission and Opening of Bids was held on 16 July 2021. Only (1) one Bidder submitted bid for LOT I and four (4) Bidders for LOT II and LOT III. However, LOT I was declared failed in accordance to DOE DC2021-02-0003. Thus, OMECO-TPBAC is currently reconducting the CSP for LOT I-SAMARICA Area and it is planned to be completed before the end of November 2021.

#### **Captive Customer Connections**



The number of Residential connections is expected to grow at a rate of 4% annually. Said customer class is expected to account for 55.27% of the total consumption