## DAGUPAN ELECTRIC CORPORATION POWER SUPPLY PROCUREMENT PLAN

In compliance with the Department of Energy's (DOE) Department Circular No. DC 2018-02-0003, "Adopting and Prescribing the Policy for the Competitive Selection Process in the Procurement by the Distribution Utilities of Power Supply Agreement for the Captive Market" or the Competitive Selection process (CSP) Policy, the Power Supply Procurement Plan (PSPP) Report is hereby created, pursuant to the Section 4 of the said Circular.

The PSPP refers to the DUs' plan for the acquisition of a variety of demand-side and supply-side resources to cost-effectively meet the electricity needs of its customers. The PSPP is an integral part of the Distribution Utilities' Distribution Development Plan (DDP) and must be submitted to the Department of Energy with supported Board Resolution and/or notarized Secretary's Certificate.

The Third-Party Bids and Awards Committee (TPBAC), Joint TPBAC or Third Party Auctioneer (TPA) shall submit to the DOE and in the case of Electric Cooperatives (ECs), through the National Electrification Administration (NEA) the following:

a. Power Supply Procurement Plan;

b. Distribution Impact Study/ Load Flow Analysis conducted that served as the basis of the Terms of Reference; and

c. Due diligence report of the existing generation plant

All Distribution Utilities' shall follow and submit the attached report to the Department of Energy for posting on the DOE CSP Portal. For ECs such reports shall be submitted to DOE and NEA. The NEA shall review the submitted report within ten (10) working days upon receipt prior to its submission to DOE for posting at the DOE CSP Portal.

The content of the PSSP shall be consistent with the DDP. The tables and graph format to be use on the PSPP report is provided on the following sheets. Further, the PSPP shall contain the following sections:

- I. Table of Contents
- II. Introduction
- III. Energy and Demand Forecast (10 year historical and forecast)
- IV. Energy Sales and Purchase
- V. Daily Load Profile and Load Duration Curve
- VI. Existing Contracts & Existing GenCos due diligence report
- VII. Currently approved SAGR for Off-Grid ECs to be passed-on to consumers;
- VIII. DU's Current Supply and Demand
- IX. Distribution Impact Study
- X. Schedule of Power Supply Procurement
- XI. Timeline of the CSP

For inquiries, you may send it at doe.csp@gmail.com or you may contact us through telephone numbers (02) 840-2173 and (02) 479-2900 local 202.

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### **INTRODUCTION**

#### PROFILE

Dagupan Electric Corporation (DECORP) is a privately owned corporation engaged in distribution of electricity. It was given an exclusive franchise by Congress thru RA 9969 to operate an electric light and power in the City and Municipalities of Dagupan, Calasiao, San Fabian, Sta. Barbara, San Jacinto, Manaoag and Barangays Cruz and Bolingit of San Carlos City, all in the province of Pangasinan

DECORP operates and maintain a highly reliable distribution system, which is regularly being maintained to meet safety and reliability standards and growing customer demand. It maintains three (3) substations located at Bacayao, San Jacinto and Dagupan City with a combined capacity of 156 MVA.

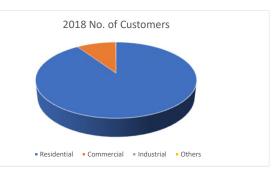
DECORP services 349.33 sq. km. or 6.5% of total Pangasinan land area. In 2018, DECORP distributes electricity to 118,060 customers, consisting of 106,827 residential and 11,233 non residential customers.





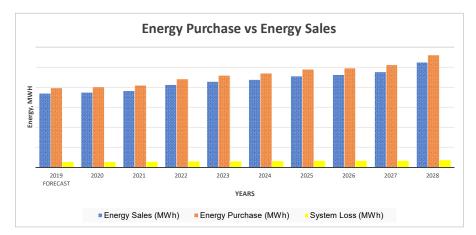
| Number of Customer              | ACTUAL  |         |         |         |         | FORE    | CAST    |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Connections in Franchise</b> | 2018    | 2019    | 2020    | 2021    | 2022    | 2023    | 2024    | 2025    | 2026    | 2027    | 2028    |
| Residential                     | 106,828 | 111,120 | 115,175 | 119,393 | 123,779 | 128,342 | 133,088 | 138,026 | 143,163 | 148,509 | 154,071 |
| Commercial                      | 11,148  | 11,565  | 11,970  | 12,391  | 12,830  | 13,287  | 13,762  | 14,257  | 14,772  | 15,309  | 15,868  |
| Industrial                      | 18      | 19      | 19      | 20      | 20      | 20      | 20      | 20      | 20      | 20      | 20      |
| Others                          | 67      | 67      | 67      | 67      | 67      | 67      | 67      | 67      | 67      | 67      | 67      |
| Contestable Customers           |         |         |         |         |         |         |         |         |         |         |         |
| served by RES                   | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 2       |
| Total (Captive Customers)       | 118,061 | 122,771 | 127,231 | 131,871 | 136,696 | 141,716 | 146,937 | 152,370 | 158,022 | 163,905 | 170,026 |

DECORP's energy sales are expected to grow at a yearly average rate of 4% from 2019 to 2028. The growth in demand mainly attributed to the projected increase in customer volume. DECORP has six (6) large load customers, wherein two (2) will become fully operational in 2019, while the other three (3) are uprating their loads, and the remaining is a new customer



### **ENERGY SALES AND PURCHASE**

| ENERGY SALES AND                            |                          | HISTORICAL               |                          |                          |            |            |                          |            |                       |                          |  |  |  |
|---|--------------------------|--------------------------|--------------------------|--------------------------|------------|------------|--------------------------|------------|-----------------------|--------------------------|--|--|--|
| PURCHASE                                    | 2009                     | 2010                     | 2011                     | 2012                     | 2013       | 2014       | 2015                     | 2016       | 2017                  | 2018                     |  |  |  |
| Energy Sales (MWh)                          | 234,087.10               | 255,268.92               | 253,529.01               | 269,471.72               | 285,560.20 | 286,572.66 | 300,792.77               | 334,333.09 | 352,275.23            | 365,257.04               |  |  |  |
| Energy Purchase (MWh)                       | 252,453.15               | 276,961.74               | 272,698.96               | 288,214.52               | 302,196.98 | 305,142.84 | 324,982.80               | 356,474.19 | 374,381.60            | 391,857.59               |  |  |  |
| System Loss (MWh)                           | 18,366.05                | 21,692.81                | 19,169.95                | 18,742.80                | 16,636.78  | 18,570.18  | 24,190.03                | 22,141.10  | 22,106.36             | 26,600.55                |  |  |  |
|   |                          |                          |                          |                          |            |            |                          |            |                       |                          |  |  |  |
| ENERGY SALES AND                            |                          |                          |                          |                          | FOREC      | AST        |                          |            |                       |                          |  |  |  |
| PURCHASE                                    | 2019                     | 2020                     | 2021                     | 2022                     | 2023       | 2024       | 2025                     | 2026       | 2027                  | 2028                     |  |  |  |
|   |                          |                          |                          |                          | 107 760 00 | 120 526 50 | 455 000 47               | 162 002 05 | 477.000.00            |                          |  |  |  |
| Energy Sales (MWh)                          | 369,276.53               | 373,399.14               | 382,135.14               | 412,088.17               | 427,769.08 | 438,526.59 | 455,939.47               | 462,803.95 | 477,326.90            | 524,142.81               |  |  |  |
| Energy Sales (MWh)<br>Energy Purchase (MWh) | 369,276.53<br>396,583.31 | 373,399.14<br>400,882.72 | 382,135.14<br>410,127.14 | 412,088.17<br>442,129.75 | 427,769.08 | 438,526.59 | 455,939.47<br>488,778.95 | 462,803.95 | 477,326.90 511,310.45 | 524,142.81<br>561,360.70 |  |  |  |

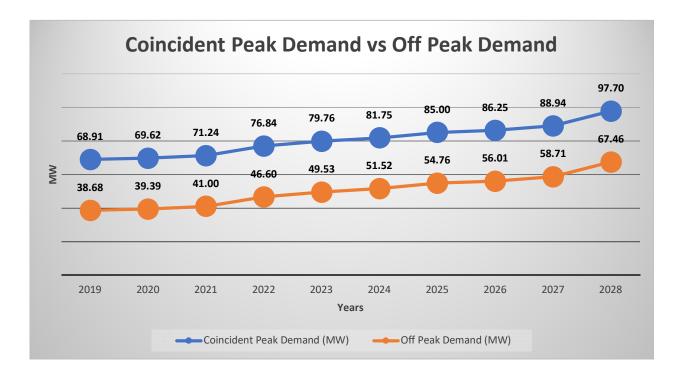


DECORP's energy sales and purchased from 2009 to 2018 grew at an average rate of 5% due to the expected growth in customer volume. Using historical data as reference, energy consumption forecasts for 2019 to 2028 were done using customer indexation methodology for residential and small commercial, historical linear technique for street lighting customers and specific identification method for large commercial and industrial customers

# DEMAND

| Demand          |       | HISTORICAL |       |       |       |       |       |       |       |       |  |  |  |
|-----------------|-------|------------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| Demanu          | 2009  | 2010       | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  |  |  |  |
| Coincident Peak |       |            |       |       |       |       |       |       |       |       |  |  |  |
| Demand (MW)     | 45.61 | 51.09      | 51.96 | 55.02 | 52.54 | 53.61 | 55.58 | 60.41 | 62.73 | 66.8  |  |  |  |
| Off Peak Demand |       |            |       |       |       |       |       |       |       |       |  |  |  |
| (MW)            | 18.92 | 22.27      | 23.77 | 17.93 | 26.77 | 28.09 | 29.05 | 32.91 | 33.19 | 36.57 |  |  |  |

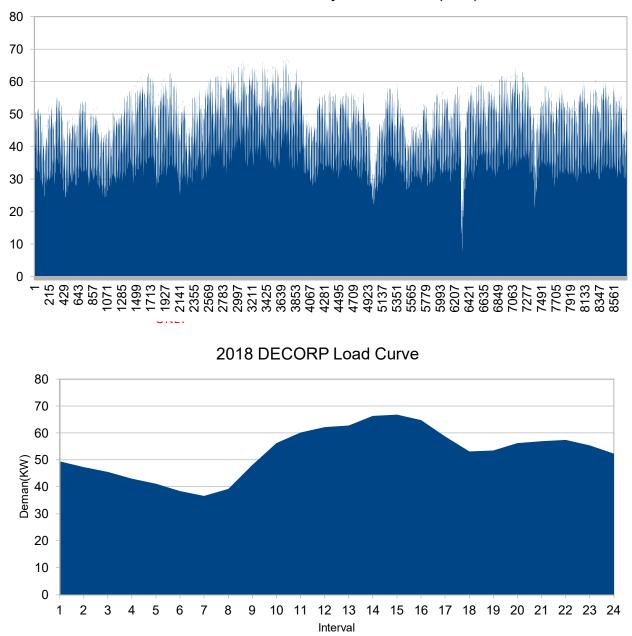
| Domond          |       | FORECAST |       |       |       |       |       |       |       |       |  |  |  |
|-----------------|-------|----------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| Demand          | 2019  | 2020     | 2021  | 2022  | 2023  | 2024  | 2025  | 2026  | 2027  | 2028  |  |  |  |
| Coincident Peak |       |          |       |       |       |       |       |       |       |       |  |  |  |
| Demand (MW)     | 68.91 | 69.62    | 71.24 | 76.84 | 79.76 | 81.75 | 85    | 86.25 | 88.94 | 97.7  |  |  |  |
| Off Peak Demand |       |          |       |       |       |       |       |       |       |       |  |  |  |
| (MW)            | 38.68 | 39.39    | 41    | 46.6  | 49.53 | 51.52 | 54.76 | 56.01 | 58.71 | 67.46 |  |  |  |



DECORP's demand increased at an average rate of 4% from 2009 to 2018, wth a significant increase in 2018 c entry of two large load customers. The demand forecasts from 2019 to 2028 considered historical demand c factors and energy purchased. One-off event, such as election period, was also considered in deriving the demand

# LOAD PROFILE AND LOAD DURATION CURVE

2018 DECORP's Hourly Load Profile (MW)



DECORP has a 10MW contract with SN Aboitiz Power Benguet, Inc. (SNAP) for its base load requirement, a 30MW contract with GNPower Ltd, Co.(GMCP) for its mid merit requirement and residual energy or peaking from the Wholesale Electricity Spot Market (WESM)

#### POWER SUPPLY PROCUREMENT PLAN

### MIX SUPPLY VS DEMAND AND THE OPTIMAL SUPPLY

| Supply Demand               | ACTUAL |        |        |        |        | FORECAST |        |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|
| Supply Demand               | 2018   | 2019   | 2020   | 2021   | 2022   | 2023     | 2024   | 2025   | 2026   | 2027   | 2028   |
| Peak Demand, MW             | 66.799 | 68.911 | 69.619 | 71.236 | 76.836 | 79.762   | 81.751 | 84.998 | 86.246 | 88.940 | 97.698 |
| Supply Contracted, MW       | 40     | 40     | 60     | 60     | 60     | 50       | 50     | 50     | 50     | 50     | 20     |
| GMCP                        | 30     | 30     | 30     | 30     | 30     | 30       | 30     | 30     | 30     | 30     |        |
| SNAP                        | 10     | 10     | 10     | 10     | 10     |          |        |        |        |        |        |
| SEI                         |        |        | 20     | 20     | 20     | 20       | 20     | 20     | 20     | 20     | 20     |
| Supply for PSA Approval, MW | 0      | 0      | 0      | 0      | 0      | 0        | 0      | 0      | 0      | 0      | 0      |
| Generation Plant Name 1     |        |        |        |        |        |          |        |        |        |        |        |
| Generation Plant Name 2     |        |        |        |        |        |          |        |        |        |        |        |
| Generation Plant Name 3     |        |        |        |        |        |          |        |        |        |        |        |
| Uncontracted Demand, MW     | 26.799 | 28.911 | 9.619  | 11.236 | 16.836 | 29.762   | 31.751 | 34.998 | 36.246 | 38.940 | 77.698 |



| List of Exist            | ing Contra                  | ts and Det         | ails                          |                           |                               |                               |                                   |                             |   |                                   |           |                               |                                       |
|--------------------------|-----------------------------|--------------------|-------------------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------------------------|---|-----------------------------------|-----------|-------------------------------|---------------------------------------|
| Supply<br>Contracte<br>d | Plant<br>Owner/<br>Operator | Capacity<br>Factor | PSA<br>Effectivity<br>(MM/YR) | PSA Expiration<br>(MM/YR) | Contracted<br>Capacity,<br>MW | Contracte<br>d Energy,<br>MWH | Base / Mid-<br>merit /<br>Peaking | Embedded/<br>Grid Connected | Utility-<br>owned/<br>NPC/<br>IPP/<br>NPC-IPP | Status                            | Fuel Type | Installed<br>Capacity<br>(MW) | Net<br>Dependable<br>Capacity<br>(MW) |
| GMCP                     | GMCP                        | 0.7                | 12/26/12                      | 12/25/27                  | 30MW                          | 183,960                       | Midmerit                          | Grid Connected              | IPP   | Running                           | Coal      | 650                           | 632                                   |
| SNAP                     | SNAP                        | 1                  | 10/26/12                      | 10/25/22                  | 10MW                          | 87,600                        | Baseload                          | Grid Connected              | IPP   | Running                           | Hydro     | 360                           | 380                                   |
| SEI                      | SEI                         | 0.1651             | 03/26/20                      | 03/25/45                  | 20MW                          | 28,918                        | Peaking                           | Embedded                    | IPP   | On –<br>going<br>construct<br>ion | Solar     | 20                            | 16                                    |
|                          |                             |                    |                               |                           |                               |                               |                                   |                             |   |                                   |           |                               |                                       |
|                          |                             |                    |                               |                           |                               |                               |                                   |                             |   |                                   |           |                               |                                       |

Currently, GMCP and SNAP provides the bulk of DECORP's electricity requirements, the deficit is sourced from WESM. On December 19, 2017, ERC approved the Electricity Supply Agreement (ESA) between DECORP and SEI under ERC Case No. 2016-154RC. Under the ESA, SEI will install, construct and operate a 20MWp (DC) embedded solar power plant

## DISTRIBUTION IMPACT STUDY

DECORP has an existing three (3) substations with a total installed capacity of 156 MVA and 27 distribution line feeders. Given the current substation loading of 51.28% and forecasted load growth until 2028, DECORP plans to install additional 25MVA substation in 2020 and another 25 MVA in 2022. While for distribution line feeders, the projected loading until 2028 ranges from 31.54% to 74.73%. DECORP's substations and distribution line feeders can accommodate load growth for the next ten(10) years.

On December 19, 2017, the Energy Regulatory Commission (ERC) approved the Electricity Supply Agreement (ESA) between Sunasia Energy Inc. (SEI) and DECORP. It is an embedded solar power plant with an aggregate capacity of 20MWp (DC), expected to be constructed during the latter part of 2019. Being an embedded generator, the required DIS was done to evaluate its impact on our distribution system. However, it is exempt from System Impact Study (SIS) as provided for in ERC Resolution No. 18, Series of 2015, "A Resolution Adopting the Grid Management Committee's Recommendations to Exempt Certain Power Plants from the Conduct of System Impact Study and Clarifying and Expanding the Requirements for a Thorough Conduct of Facilities Study", which states that, "Certain power plants shall be exempted from the conduct of System Impact Study (SIS), particularly those directly connected to the grid with capacities of 20MW and below in Luzon and 5 MW in Visayas and Mindanao grids, which, as determined by the Transmission System Provider, have no or negligible impact on the grid."

DECORP is one of the five (5) distribution utilities adjudged as 100% compliant with the Philippine Distribution Code (PDC) by the Distribution Management Committee(DMC).

## SCHEDULE OF CSP

| Dana (mid                         | For            | CSP             |                            | l contract<br>/IM/YYYY) |  | Proposed schedule (MM/YYYY) |   |                   |          |             |                                |  |  |  |
|-----------------------------------|----------------|-----------------|----------------------------|-------------------------|--|-----------------------------|---|-------------------|----------|-------------|--------------------------------|--|--|--|
| Base / mid-<br>merit /<br>peaking | Demand<br>(MW) | Energy<br>(MWh) | Start<br>Month<br>and Year | End Month<br>and Year   | Publication<br>of Invitation<br>to Bid | Pre-bid                     | Submission<br>and<br>Opening of<br>Bids | Bid<br>Evaluation | Awarding | PSA Signing | Joint<br>Application<br>to ERC |  |  |  |
| Base                              | 20             | 175,200         | 10/2022                    | 10/2037                 | 01/2020                                | 03/2020                     | 06/2020                                 | 10/2020           | 11/2020  | 12/2020     | 03/2021                        |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |
|                                   |                |                 |                            |                         |  |                             |   |                   |          |             |                                |  |  |  |

## 10 Year Monthly Data

|      |                                      | Forecast   |                                | Approval D     | and For PSA<br>)emand and<br>ergy | Uncontracted<br>Ene         | Demand and<br>ergy           | Committe       | ed for CSP      |
|------|--------------------------------------|--|--------------------------------|----------------|-----------------------------------|-----------------------------|------------------------------|----------------|-----------------|
| Year | Coincident<br>Peak<br>Demand<br>(MW) | Off Peak<br>Demand<br>(MW)   | Energy<br>Requirement<br>(MWh) | Demand<br>(MW) | Energy<br>(MWh)                   | Uncontracted<br>Demand (MW) | Uncontracted<br>Energy (MWh) | Demand<br>(MW) | Energy<br>(MWh) |
| 2019 | ()                                   |  |                                |                |                                   |                             |                              |                |                 |
| Jan  | 56.7                                 |  | 30,358.7                       | 40             | 23,064.0                          | 16.7                        | 7,294.7                      |                |                 |
| Feb  | 54.4                                 |  | 30,455.1                       | 40             | 23,064.0                          | 14.4                        | 7,391.1                      |                |                 |
| Mar  | 65.5                                 |  | 30,351.9                       | 40             | 20,832.0                          | 25.5                        | 9,519.9                      |                |                 |
| Apr  | 68.2                                 |  | 35,574.7                       | 40             | 23,064.0                          | 28.2                        | 12,510.7                     |                |                 |
| May  | 68.3                                 |  | 35,834.4                       | 40             | 22,320.0                          | 28.3                        | 13,514.4                     |                |                 |
| Jun  | 66.7                                 |  | 35,161.5                       | 40             | 23,064.0                          | 26.7                        | 12,097.5                     |                |                 |
| Jul  | 64.4                                 |  | 32,782.8                       | 40             | 22,320.0                          | 24.4                        | 10,462.8                     |                |                 |
| Aug  | 65.7                                 |  | 33,060.1                       | 40             | 23,064.0                          | 25.7                        | 9,996.1                      |                |                 |
| Sep  | 63.3                                 |  | 33,393.5                       | 40             | 23,064.0                          | 23.3                        | 10,329.5                     |                |                 |
| Oct  | 64.3                                 |  | 32,986.2                       | 40             | 22,320.0                          | 24.3                        | 10,666.2                     |                |                 |
| Nov  | 65.2                                 |  | 34,045.3                       | 40             | 23,064.0                          | 25.2                        | 10,981.3                     |                |                 |
| Dec  | 64.4                                 |  | 32,578.8                       | 40             | 22,320.0                          | 24.4                        | 10,258.8                     |                |                 |
| 2020 |                                      |  |                                |                |                                   |                             |                              |                |                 |
| Jan  | 59.4                                 |  | 30,797.3                       | 40             | 23,064.0                          | 19.4                        | 7,733.3                      |                |                 |
| Feb  | 62.1                                 |  | 30,846.3                       | 40             | 23,064.0                          | 22.1                        | 7,782.3                      |                |                 |
| Mar  | 63.6                                 |  | 30,698.0                       | 40             | 21,576.0                          | 23.6                        | 9,122.0                      |                |                 |
| Apr  | 68.0                                 |  | 35,938.1                       | 60             | 26,105.8                          | 8.0                         | 9,832.3                      |                |                 |
| May  | 69.0                                 |  | 36,199.4                       | 60             | 24,878.8                          | 9.0                         | 11,320.6                     |                |                 |
| Jun  | 67.4                                 |  | 35,521.1                       | 60             | 25,672.1                          | 7.4                         | 9,848.9                      |                |                 |
| Jul  | 65.2                                 |  | 33,120.0                       | 60             | 24,544.2                          | 5.2                         | 8,575.8                      |                |                 |
| Aug  | 66.5                                 |  | 33,399.1                       | 60             | 25,108.4                          | 6.5                         | 8,290.7                      |                |                 |
| Sep  | 64.1                                 |  | 33,736.2                       | 60             | 25,416.3                          | 4.1                         | 8,319.9                      |                |                 |
| Oct  | 64.9                                 |  | 33,321.9                       | 60             | 24,435.7                          | 4.9                         | 8,886.2                      |                |                 |
| Nov  | 65.8                                 |  | 34,393.5                       | 60             | 25,337.6                          | 5.8                         | 9,055.9                      |                |                 |
| Dec  | 65.0                                 |  | 32,911.7                       | 60             | 24,489.7                          | 5.0                         | 8,422.0                      |                |                 |
| 2021 |                                      |  |                                |                |                                   |                             |                              |                |                 |
| Jan  | 60.8                                 |  | 31,502.4                       | 60             | 25,314.6                          | 0.8                         | 6,187.8                      |                |                 |
| Feb  | 63.6                                 |  | 31,552.8                       | 60             | 25,562.1                          | 3.6                         | 5,990.7                      |                |                 |
| Mar  | 67.8                                 |  | 31,403.1                       | 60             | 23,472.6                          | 7.8                         | 7,930.5                      |                |                 |
| Apr  | 70.2                                 |  | 36,767.0                       | 60             | 26,087.3                          | 10.2                        | 10,679.7                     |                |                 |
| May  | 70.6                                 |  | 37,031.4                       | 60             | 24,863.2                          | 10.6                        | 12,168.2                     |                |                 |
| Jun  | 69.0                                 |  | 36,341.7                       | 60             | 25,656.3                          | 9.0                         | 10,685.4                     |                |                 |
| Jul  | 66.6                                 |  | 33,890.7                       | 60             | 24,530.7                          | 6.6                         | 9,359.9                      |                |                 |
| Aug  | 68.0                                 |  | 34,173.3                       | 60             | 25,096.0                          | 8.0                         | 9,077.3                      |                |                 |
| Sep  | 65.5                                 |  | 34,518.8                       | 60             | 25,402.0                          | 5.5                         | 9,116.8                      |                |                 |
| Oct  | 66.4                                 |  | 34,087.1                       | 60             | 24,422.9                          | 6.4                         | 9,664.2                      |                |                 |
| Nov  | 67.4                                 |  | 35,188.0                       | 60             | 25,323.8                          | 7.4                         | 9,864.2                      |                |                 |
| Dec  | 66.6                                 |  | 33,670.8                       | 60             | 24,476.5                          | 6.6                         | 9,194.3                      |                |                 |
| 2022 | 05.0                                 |  |                                |                |                                   |                             |                              |                |                 |
| Jan  | 65.6                                 |  | 33,941.5                       | 60             | 25,296.6                          | 5.6                         | 8,644.8                      |                |                 |
| Feb  | 68.6                                 |  | 33,996.9                       | 60             | 25,542.2                          | 8.6                         | 8,454.7                      |                |                 |
| Mar  | 73.1                                 |  | 33,843.1                       | 60             | 23,451.6                          | 13.1                        | 10,391.5                     |                |                 |
| Apr  | 75.9                                 | urana and a second a  | 39,636.6                       | 60             | 26,063.3                          | 15.9                        | 13,573.3                     |                |                 |
| May  | 76.2                                 |  | 39,910.7                       | 60             | 24,843.0                          | 16.2                        | 15,067.7                     |                |                 |
| Jun  | 74.5                                 | None of the second | 39,183.3                       | 60             | 25,635.7                          | 14.5                        | 13,547.6                     |                |                 |
| Jul  | 72.0                                 |  | 36,560.9                       | 60             | 24,513.1                          | 12.0                        | 12,047.8                     |                |                 |
| Aug  | 73.4                                 |  | 36,854.6                       | 60             | 25,079.8                          | 13.4                        | 11,774.8                     |                |                 |
| Sep  | 70.7                                 |  | 37,229.8                       | 60             | 25,383.4                          | 10.7                        | 11,846.4                     |                |                 |
| Oct  | 71.7                                 |  | 36,734.8                       | 60             | 24,406.1                          | 11.7                        | 12,328.7                     |                |                 |
| Nov  | 72.8                                 |  | 37,938.8                       | 50             | 17,865.8                          | 22.8                        | 20,073.0                     | 20.0           | 14,880.0        |
| Dec  | 71.8                                 |  | 36,298.7                       | 50             | 17,763.3                          | 21.8                        | 18,535.4                     | 20.0           | 14,400.0        |
| 2023 | 00.1                                 |  | 05 040 0                       | 50             | 47 000 7                          | 10.1                        | 47 077 4                     | 20.0           | 44,000,0        |
| Jan  | 68.1                                 |  | 35,216.2                       | 50             | 17,838.7                          | 18.1                        | 17,377.4                     | 20.0           | 14,880.0        |
| Feb  | 71.2                                 |  | 35,274.2                       | 50             | 18,082.3                          | 21.2                        | 17,191.9                     | 20.0           | 14,880.0        |
| Mar  | 75.9                                 |  | 35,118.2                       | 50             | 18,222.6                          | 25.9                        | 16,895.6                     | 20.0           | 13,440.0        |
| Apr  | 78.9                                 |  | 41,135.8                       | 50             | 18,599.2                          | 28.9                        | 22,536.6                     | 20.0           | 14,880.0        |
| May  | 79.1                                 |  | 41,415.2                       | 50             | 18,126.8                          | 29.1                        | 23,288.5                     | 20.0           | 14,400.0        |
| Jun  | 77.3                                 |  | 40,667.8                       | 50             | 18,175.0                          | 27.3                        | 22,492.7                     | 20.0           | 14,880.0        |
| Jul  | 74.8                                 | Non-   | 37,955.5                       | 50             | 17,799.5                          | 24.8                        | 20,156.0                     | 20.0           | 14,400.0        |
| Aug  | 76.2                                 |  | 38,255.3                       | 50             | 17,623.6                          | 26.2                        | 20,631.7                     | 20.0           | 14,880.0        |
| Sep  | 73.4                                 |  | 38,645.9                       | 50             | 17,924.8                          | 23.4                        | 20,721.1                     | 20.0           | 14,880.0        |
| Oct  | 74.4                                 |  | 38,118.4                       | 50             | 17,693.4                          | 24.4                        | 20,425.0                     | 20.0           | 14,400.0        |
| Nov  | 75.6                                 |  | 39,375.9                       | 50             | 17,847.8                          | 25.6                        | 21,528.0                     | 20.0           | 14,880.0        |
| Dec  | 74.6                                 |  | 37,671.7                       | 50             | 17,746.2                          | 24.6                        | 19,925.5                     | 20.0           | 14,400.0        |

## 10 Year Monthly Data

|             |                                       | Forecast                   |                                | Approval D     | and For PSA<br>Demand and<br>ergy |                             | Demand and<br>ergy           | Committe       | ed for CSP           |
|-------------|---------------------------------------|----------------------------|--------------------------------|----------------|-----------------------------------|-----------------------------|------------------------------|----------------|----------------------|
| Year        | Coincident<br>Peak<br>Demand<br>(MW)  | Off Peak<br>Demand<br>(MW) | Energy<br>Requirement<br>(MWh) | Demand<br>(MW) | Energy<br>(MWh)                   | Uncontracted<br>Demand (MW) | Uncontracted<br>Energy (MWh) | Demand<br>(MW) | Energy<br>(MWh)      |
| 2024        | · · · · · · · · · · · · · · · · · · · |                            |                                |                |                                   |                             |                              |                |                      |
| Jan         | 69.8                                  |                            | 36,083.5                       | 50             | 17,813.8                          | 19.8                        | 18,269.7                     | 20.0           | 14,880.0             |
| Feb         | 72.9                                  |                            | 36,143.3                       | 50             | 18,054.6                          | 22.9                        | 18,088.7                     | 20.0           | 14,880.0             |
| Mar         | 74.8                                  |                            | 35,985.6                       | 50             | 18,285.1                          | 24.8                        | 17,700.5                     | 20.0           | 13,920.0             |
| Apr         | 80.9                                  |                            | 42,155.6                       | 50             | 18,565.7                          | 30.9                        | 23,590.0                     | 20.0           | 14,880.0             |
| May         | 81.1                                  |                            | 42,438.8                       | 50             | 18,098.5                          | 31.1                        | 24,340.2                     | 20.0           | 14,400.0             |
| Jun         | 79.2                                  |                            | 41,677.5                       | 50             | 18,146.3                          | 29.2                        | 23,531.2                     | 20.0           | 14,880.0             |
| Jul         | 76.7                                  |                            | 38,903.9                       | 50             | 17,775.0                          | 26.7                        | 21,128.9                     | 20.0           | 14,400.0             |
| Aug         | 78.2                                  |                            | 39,207.9                       | 50             | 17,601.1                          | 28.2                        | 21,606.8                     | 20.0           | 14,880.0             |
| Sep         | 75.4                                  |                            | 39,609.0                       | 50             | 17,898.8                          | 25.4                        | 21,710.1                     | 20.0           | 14,880.0             |
| Oct         | 76.2                                  |                            | 39,059.7                       | 50             | 17,670.1                          | 26.2                        | 21,389.6                     | 20.0           | 14,400.0             |
| Nov         | 77.4                                  |                            | 40,353.4                       | 50             | 17,822.8                          | 27.4                        | 22,530.6                     | 20.0           | 14,880.0             |
| Dec         | 76.4                                  |                            | 38,605.6                       | 50             | 17,722.3                          | 26.4                        | 20,883.4                     | 20.0           | 14,000.0             |
| 2025        | 70.4                                  |                            | 30,003.0                       |                | 11,122.5                          | 20.4                        | 20,003.4                     | 20.0           | 14,400.0             |
|             | 70.6                                  |                            | 27 409 0                       | 50             | 17 002 5                          | 22.6                        | 10 604 5                     | 20.0           | 14 990 0             |
| Jan<br>Feb  | 72.6<br>75.9                          |                            | 37,498.0<br>37,560.7           | 50<br>50       | 17,803.5                          | 22.6<br>25.9                | 19,694.5                     | 20.0           | 14,880.0             |
|             |                                       | Non-                       | 1 1                            |                | 18,043.3                          |                             | 19,517.4                     | 20.0           | 14,880.0             |
| Mar         | 80.9                                  |                            | 37,400.5                       | 50             | 18,181.3                          | 30.9                        | 19,219.2                     | 20.0           | 13,440.0<br>14.880.0 |
| Apr         | 84.3                                  |                            | 43,819.4                       | 50             | 18,551.9                          | 34.3                        | 25,267.5                     | 20.0           | ,                    |
| May         | 84.3                                  |                            | 44,108.4                       | 50             | 18,087.0                          | 34.3                        | 26,021.4                     | 20.0           | 14,400.0             |
| Jun         | 82.4                                  |                            | 43,324.9                       | 50             | 18,134.5                          | 32.4                        | 25,190.4                     | 20.0           | 14,880.0             |
| Jul         | 79.7                                  |                            | 40,451.7                       | 50             | 17,765.0                          | 29.7                        | 22,686.7                     | 20.0           | 14,400.0             |
| Aug         | 81.3                                  |                            | 40,762.3                       | 50             | 17,591.8                          | 31.3                        | 23,170.4                     | 20.0           | 14,880.0             |
| Sep         | 78.3                                  |                            | 41,180.5                       | 50             | 17,888.2                          | 28.3                        | 23,292.3                     | 20.0           | 14,880.0             |
| Oct         | 79.3                                  |                            | 40,595.1                       | 50             | 17,660.5                          | 29.3                        | 22,934.6                     | 20.0           | 14,400.0             |
| Nov         | 80.5                                  |                            | 41,948.2                       | 50             | 17,812.5                          | 30.5                        | 24,135.7                     | 20.0           | 14,880.0             |
| Dec         | 79.5                                  |                            | 40,129.3                       | 50             | 17,712.5                          | 29.5                        | 22,416.8                     | 20.0           | 14,400.0             |
| 2026        |                                       |                            |                                |                |                                   |                             |                              |                |                      |
| Jan         | 73.6                                  |                            | 38,042.4                       | 50             | 17,786.1                          | 23.6                        | 20,256.3                     | 20.0           | 14,880.0             |
| Feb         | 77.0                                  |                            | 38,106.2                       | 50             | 18,023.9                          | 27.0                        | 20,082.3                     | 20.0           | 14,880.0             |
| Mar         | 82.1                                  |                            | 37,944.9                       | 50             | 18,160.9                          | 32.1                        | 19,784.0                     | 20.0           | 13,440.0             |
| Apr         | 85.4                                  |                            | 44,459.1                       | 50             | 18,528.5                          | 35.4                        | 25,930.7                     | 20.0           | 14,880.0             |
| May         | 85.6                                  |                            | 44,750.6                       | 50             | 18,067.3                          | 35.6                        | 26,683.4                     | 20.0           | 14,400.0             |
| Jun         | 83.7                                  |                            | 43,958.3                       | 50             | 18,114.4                          | 33.7                        | 25,843.9                     | 20.0           | 14,880.0             |
| Jul         | 80.9                                  |                            | 41,046.2                       | 50             | 17,747.8                          | 30.9                        | 23,298.4                     | 20.0           | 14,400.0             |
| Aug         | 82.5                                  |                            | 41,359.6                       | 50             | 17,576.1                          | 32.5                        | 23,783.5                     | 20.0           | 14,880.0             |
| Sep         | 79.5                                  |                            | 41,784.4                       | 50             | 17,870.1                          | 29.5                        | 23,914.3                     | 20.0           | 14,880.0             |
| Oct         | 80.4                                  |                            | 41,185.8                       | 50             | 17,644.2                          | 30.4                        | 23,541.6                     | 20.0           | 14,400.0             |
| Nov         | 81.7                                  |                            | 42,561.4                       | 50             | 17,795.0                          | 31.7                        | 24,766.4                     | 20.0           | 14,880.0             |
| Dec         | 80.7                                  |                            | 40,715.2                       | 50             | 17,695.7                          | 30.7                        | 23,019.5                     | 20.0           | 14,400.0             |
| 2027        |                                       |                            |                                |                | ,                                 |                             |                              |                | /                    |
| Jan         | 75.9                                  |                            | 39,216.2                       | 50             | 17,768.8                          | 25.9                        | 21,447.4                     | 20.0           | 14,880.0             |
| Feb         | 79.4                                  |                            | 39,282.4                       | 50             | 18,004.7                          | 29.4                        | 21,277.7                     | 20.0           | 14,880.0             |
| Mar         | 84.6                                  |                            | 39,119.0                       | 50             | 18,140.6                          | 34.6                        | 20,978.4                     | 20.0           | 13,440.0             |
| Apr         | 88.1                                  |                            | 45,839.7                       | 50             | 18,505.3                          | 38.1                        | 27,334.4                     | 20.0           | 14,880.0             |
| May         | 88.3                                  |                            | 46,136.1                       | 50             | 18,047.7                          | 38.3                        | 28,088.3                     | 20.0           | 14,400.0             |
| Jun         | 86.3                                  |                            | 45,325.2                       | 50             | 18,094.5                          | 36.3                        | 27,230.7                     | 20.0           | 14,880.0             |
| Jul         | 83.5                                  | Non-                       | 42,330.3                       | 50             | 17,730.9                          | 33.5                        | 24,599.5                     | 20.0           | 14,000.0             |
| Aug         | 85.1                                  |                            | 42,649.3                       | 50             | 17,560.5                          | 35.1                        | 25,088.8                     | 20.0           | 14,400.0             |
| Sep         | 82.0                                  |                            | 43,088.3                       | 50             | 17,852.1                          | 32.0                        | 25,236.2                     | 20.0           | 14,880.0             |
| •           | 83.0                                  |                            | 43,088.3                       | 50<br>50       | 17,628.1                          | 33.0                        | 25,236.2                     | 20.0           | 14,880.0             |
| Oct<br>Nov  | 83.0<br>84.3                          | Non-                       | 42,459.9<br>43,884.6           | 50<br>50       | 17,628.1                          |                             | 24,831.8                     |                | 14,400.0             |
|             |                                       |                            | 1 1                            |                |                                   | 34.3                        |                              | 20.0           | 1                    |
| Dec<br>2028 | 83.2                                  |                            | 41,979.5                       | 50             | 17,679.2                          | 33.2                        | 24,300.3                     | 20.0           | 14,400.0             |
|             | 02.4                                  |                            | 42 020 4                       | 20             | 2 100 6                           | 62.4                        | 40,909.8                     | 20.0           | 14 000 0             |
| Jan<br>Tab  | 83.4                                  |                            | 43,030.4                       | 20             | 2,120.6                           | 63.4                        |                              | 20.0           | 14,880.0             |
| Feb         | 87.1                                  |                            | 43,104.4                       | 20             | 2,353.8                           | 67.1                        | 40,750.6                     | 20.0           | 14,880.0             |
| Mar         | 89.4                                  |                            | 42,934.8                       | 20             | 2,577.0                           | 69.4                        | 40,357.9                     | 20.0           | 13,920.0             |
| Apr         | 97.0                                  |                            | 50,327.5                       | 20             | 2,848.7                           | 77.0                        | 47,478.8                     | 20.0           | 14,880.0             |
| May         | 97.0                                  |                            | 50,638.8                       | 20             | 2,396.3                           | 77.0                        | 48,242.5                     | 20.0           | 14,400.0             |
| Jun         | 94.8                                  |                            | 49,769.3                       | 20             | 2,442.6                           | 74.8                        | 47,326.8                     | 20.0           | 14,880.0             |
| Jul         | 92.0                                  |                            | 46,507.0                       | 20             | 2,083.0                           | 72.0                        | 44,424.0                     | 20.0           | 14,400.0             |
| Aug         | 93.6                                  |                            | 46,843.1                       | 20             | 1,914.6                           | 73.6                        | 44,928.6                     | 20.0           | 14,880.0             |
| Sep         | 90.3                                  |                            | 47,328.6                       | 20             | 2,202.9                           | 70.3                        | 45,125.6                     | 20.0           | 14,880.0             |
| Oct         | 91.1                                  |                            | 46,600.5                       | 20             | 1,981.4                           | 71.1                        | 44,619.1                     | 20.0           | 14,400.0             |
| Nov         | 92.6                                  |                            | 48,186.8                       | 20             | 2,129.3                           | 72.6                        | 46,057.6                     | 20.0           | 14,880.0             |
| Dec         | 91.4                                  | 1                          | 46,089.4                       | 20             | 2,031.9                           | 71.4                        | 44,057.5                     | 20.0           | 14,400.0             |