



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: January 13, 2020

**GENERAL MANAGERS REPORT
ITEM NO: 15**

SUBJECT: MONTHLY POWER SUPPLY REPORT – November, 2019

Power Usage:

Wholesale Load (Vista): – 162,860 MWH (Chart 1)

Peak Demand: – 243 MW of which 307 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

| <u>Resource</u> | <u>MWH</u> |
|--------------------------|------------|
| a) Nuclear | 6,701 |
| b) Coal | 64,916 |
| c) Large Hydroelectric | 1,834 |
| d) Natural Gas | 5,419 |
| e) Renewables | 71,371 |
| f) Inter SC Trades | - |
| g) Green Inter SC Trades | - |
| h) CAISO Purchases | 12,619 |
| Total: | 162,860 |

Total Green Power Supply – 71,371 MWH which yields 43.82% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 71.59% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 65.18% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 19 MW, with energy entitlement of 1,834 MWH.

Natural Gas: Clearwater's availability was 94.17% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 32.60% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 93.33% for the month.

Renewable: Salton Sea units operated at 93.06% capacity factor for the month.
Vulcan unit operated at 89.60% capacity factor for the month.
Wintec operated at 3.07% capacity factor.
WKN operated at 5.76% capacity factor.
Transwind operated at 1.90% capacity factor.
Kingbird Solar operated at 22.17% capacity factor.
Tequesquite Solar operated at 14.46% capacity factor.
AP North Lake Solar operated at 18.22% capacity factor.
Camelot Solar2 operated at 22.58% capacity factor.
Bigsky Solar3 operated at 21.43% capacity factor.
Bigsky Solar7 operated at 18.77% capacity factor.
Bigsky Solar1X operated at 21.66% capacity factor.

The attached graphical comparisons represent RPU's November:

- Chart 1: Total Energy Requirements/Resource Mix
- Chart 2: Peak Hour Total Capacity
- Chart 3: Retail Customer Load
- Chart 4: Daily Peak Load and Temperature Comparisons
- Chart 5: Monthly Peak Load and Temperature