



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: MARCH 9, 2020

**GENERAL MANAGERS REPORT
ITEM NO: 14**

SUBJECT: MONTHLY POWER SUPPLY REPORT – January 2020

Power Usage:

Wholesale Load (Vista): – 165,184 MWH (Chart 1)

Peak Demand: – 272 MW of which 190 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,491
b) Coal	42,927
c) Large Hydroelectric	1,351
d) Natural Gas	2,654
e) Renewables	74,524
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	34,237
Total:	165,184

Total Green Power Supply – 74,524 MWH which yields 45.12% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 98.13% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 42.12% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 1,351 MWH.

Natural Gas: Clearwater's availability was 97.51% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 79.96% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 94.60% capacity factor for the month.
Vulcan unit operated at 87.59% capacity factor for the month.
Wintec operated at 7.41% capacity factor.
WKN operated at 13.43% capacity factor.
Transwind operated at 3.56% capacity factor.
Kingbird Solar operated at 21.41% capacity factor.
Tequesquite Solar operated at 15.49% capacity factor.
AP North Lake Solar operated at 18.80% capacity factor.
Camelot Solar2 operated at 22.20% capacity factor.
Bigsky Solar3 operated at 20.20% capacity factor.
Bigsky Solar7 operated at 19.08% capacity factor.
Bigsky Solar1X operated at 21.40% capacity factor.

The attached graphical comparisons represent RPU's January:

- 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