



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: May 11, 2020

**GENERAL MANAGERS REPORT
ITEM NO: 14**

SUBJECT: MONTHLY POWER SUPPLY REPORT – March, 2020

Power Usage:

Wholesale Load (Vista): – 156,404 MWH (Chart 1)

Peak Demand: – 274 MW of which 241 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,321
b) Coal	34,677
c) Large Hydroelectric	1,910
d) Natural Gas	7,455
e) Renewables	46,530
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	<u>56,521</u>
Total:	156,404

Total Green Power Supply – 46,530 MWH which yields 29.75% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 96.37% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 34.02% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 1,910 MWH.

Natural Gas: Clearwater's availability was 76.21% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 100.00% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 00.18% capacity factor for the month.
Vulcan unit operated at 78.17% capacity factor for the month.
Wintec operated at 26.76% capacity factor.
WKN operated at 36.30% capacity factor.
Transwind operated at 12.94% capacity factor.
Kingbird Solar operated at 25.95% capacity factor.
Tequesquite Solar operated at 18.98% capacity factor.
AP North Lake Solar operated at 22.94% capacity factor.
Camelot Solar2 operated at 28.59% capacity factor.
Bigsky Solar3 operated at 26.04% capacity factor.
Bigsky Solar7 operated at 23.15% capacity factor.
Bigsky Solar1X operated at 23.95% capacity factor.

The attached graphical comparisons represent RPU's March:

- 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