



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: DECEMBER 9, 2019

**GENERAL MANAGERS REPORT
ITEM NO: 15**

SUBJECT: MONTHLY POWER SUPPLY REPORT – October, 2019

Power Usage:

Wholesale Load (Vista): – 184,919 MWH (Chart 1)

Peak Demand: – 400 MW of which 216 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	6,832
b) Coal	55,166
c) Large Hydroelectric	2,066
d) Natural Gas	8,892
e) Renewables	82,628
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	29,341
Total:	184,919

Total Green Power Supply – **82,628 MWH** which yields 44.68% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 70.64% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 54.12% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,060 MWH.

Natural Gas: Clearwater's availability was 100.00% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 98.91% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 94.63% capacity factor for the month.
Vulcan unit operated at 87.59% capacity factor for the month.
Wintec operated at 10.96% capacity factor.
WKN operated at 19.95% capacity factor.
Transwind operated at 9.80% capacity factor.
Kingbird Solar operated at 28.05% capacity factor.
Tequesquite Solar operated at 20.47% capacity factor.
AP North Lake Solar operated at 26.30% capacity factor.
Camelot Solar2 operated at 32.40% capacity factor.
Bigsky Solar3 operated at 31.25% capacity factor.
Bigsky Solar7 operated at 26.95% capacity factor.
Bigsky Solar1X operated at 31.36% capacity factor.

The attached graphical comparisons represent RPU's October:

- 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