



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: SEPTEMBER 9, 2019

GENERAL MANAGERS REPORT
ITEM NO: 12

SUBJECT: MONTHLY POWER SUPPLY REPORT – July, 2019

Power Usage:

Wholesale Load (Vista): – 241,046 MWH (Chart 1)

Peak Demand: – 581 MW of which 410 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,336
b) Coal	48,401
c) Large Hydroelectric	2,792
d) Natural Gas	5,559
e) Renewables	91,936
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	79,063
Total:	241,046

Total Green Power Supply – **91,936 MWH** which yields 38.14% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 96.53% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 47.49% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 21 MW, with energy entitlement of 2,792 MWH.

Natural Gas: Clearwater's availability was 100.00% 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 98.76% for the month.

Renewable: Salton Sea units operated at 87.37% capacity factor for the month.
Vulcan unit operated at 82.40% capacity factor for the month.
Wintec operated at 33.79% capacity factor.
WKN operated at 54.85% capacity factor.
Transwind operated at 20.86% capacity factor.
Kingbird Solar operated at 43.92% capacity factor.
Tequesquite Solar operated at 30.60% capacity factor.
AP North Lake Solar operated at 32.18% capacity factor.
Camelot Solar2 operated at 42.12% capacity factor.
Bigsky Solar3 operated at 43.12% capacity factor.
Bigsky Solar7 operated at 41.07% capacity factor.
Bigsky Solar1X operated at 43.94% capacity factor.

The attached graphical comparisons represents RPU's July:

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