RIVERSIDE PUBLIC UTILITIES

WATER | ENERGY | LIFE
CITY OF RIVERSIDE
PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES   **DATE: DECEMBER 12, 2022**

GENERAL MANAGER'S REPORT

SUBJECT: **MONTHLY POWER SUPPLY REPORT – OCTOBER 31, 2022**

Power Usage:

Wholesale Load (Vista):   –   190,752 MWH (Chart 1)

Peak Demand: –   442 MW of which 243 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

	Resource	MWH
a)	Nuclear	6,936
b)	Coal	39,837
c)	Large Hydroelectric	1,227
d)	Natural Gas	4,545
e)	Renewables	73,361
f)	Inter SC Trades	37,400
g)	Green Inter SC Trades	-
h)	CAISO Purchases	27,447
	Total:	190,752

Total Green Power Supply   –   73,361 MWH which yields 38.46% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 71.71% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 39.08% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 17 MW, with energy entitlement of 1,227 MWH.

Natural Gas: Clearwater's availability was 97.72% for the month.
              RERC's (Units 1, 2, 3 and 4) availability was 99.87% for the month.
              Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: CALPPA units operated at 76.73% capacity factor for the month.
Wintec operated at 7.44% capacity factor.
WKN operated at 16.26% capacity factor.
Transwind operated at 2.89% capacity factor.
Kingbird Solar operated at 30.70% capacity factor.
Tequesquite Solar operated at 14.83% capacity factor.
AP North Lake Solar operated at 11.24% capacity factor.
Camelot Solar2 operated at 20.68% capacity factor.
Bigsky Solar3 operated at 25.67% capacity factor.
Bigsky Solar7 operated at 23.86% capacity factor.
Bigsky Solar1X operated at 20.63% capacity factor.

The attached graphical comparisons represent RPU 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