



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JULY 11, 2016

GENERAL MANAGERS REPORT
ITEM NO: 14

SUBJECT: MONTHLY POWER SUPPLY REPORT – May 2016

Power Usage:

Wholesale Load (Vista): – 173,922 MWH (Chart 1)
Peak Demand: – 360 MW of which 276 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	7,465
b) Coal	42,659
c) Large Hydroelectric	2,831
d) Natural Gas	2,164
e) Renewables	70,466
f) Inter SC Trades	20,000
g) Green Inter SC Trades	-
h) CAISO Purchases	28,408
Total:	173,992

Total Green Power Supply – **70,466 MWH** which yields 40.50% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 77.11% capacity factor for the month.
Coal: IPP units 1 and 2 operated at 41.85% capacity factor for the month.
Large Hydro: Hoover, RVSD's capacity entitlement was 18 MW, with energy entitlement of 2,831 MWH.
Natural Gas: Clearwater's availability was 100.00% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 99.63% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.
Renewable: Salton Sea units operated at 96.86% capacity factor for the month.
Vulcan unit operated at 96.57% capacity factor for the month.
Wintec operated at 56.87% capacity factor.
WKN operated at 62.57% capacity factor.
Kingbird Solar operated at 43.84% capacity factor.
Tequesquite Solar operated at 29.07% capacity factor.
AP North Lake Solar operated at 19.36% capacity factor.
Camelot Solar operated at 41.84% capacity factor.
Transwind operated at 24.33% capacity factor.

The attached graphical comparisons represents RPU's May:

- 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

Chart 1
Total Energy Requirements/Resource Mix - May

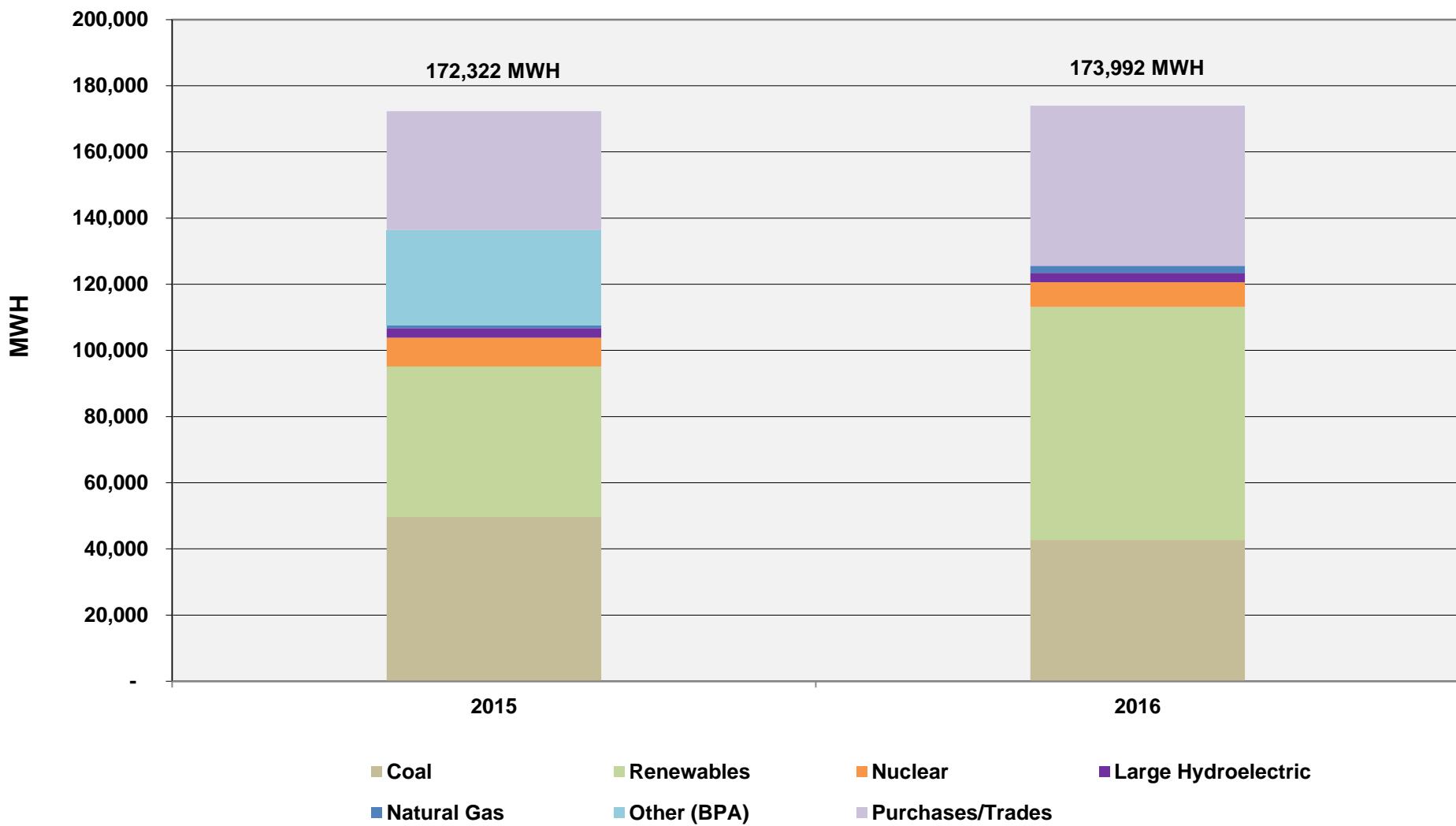


Chart 2
Peak Hour Total Capacity - May

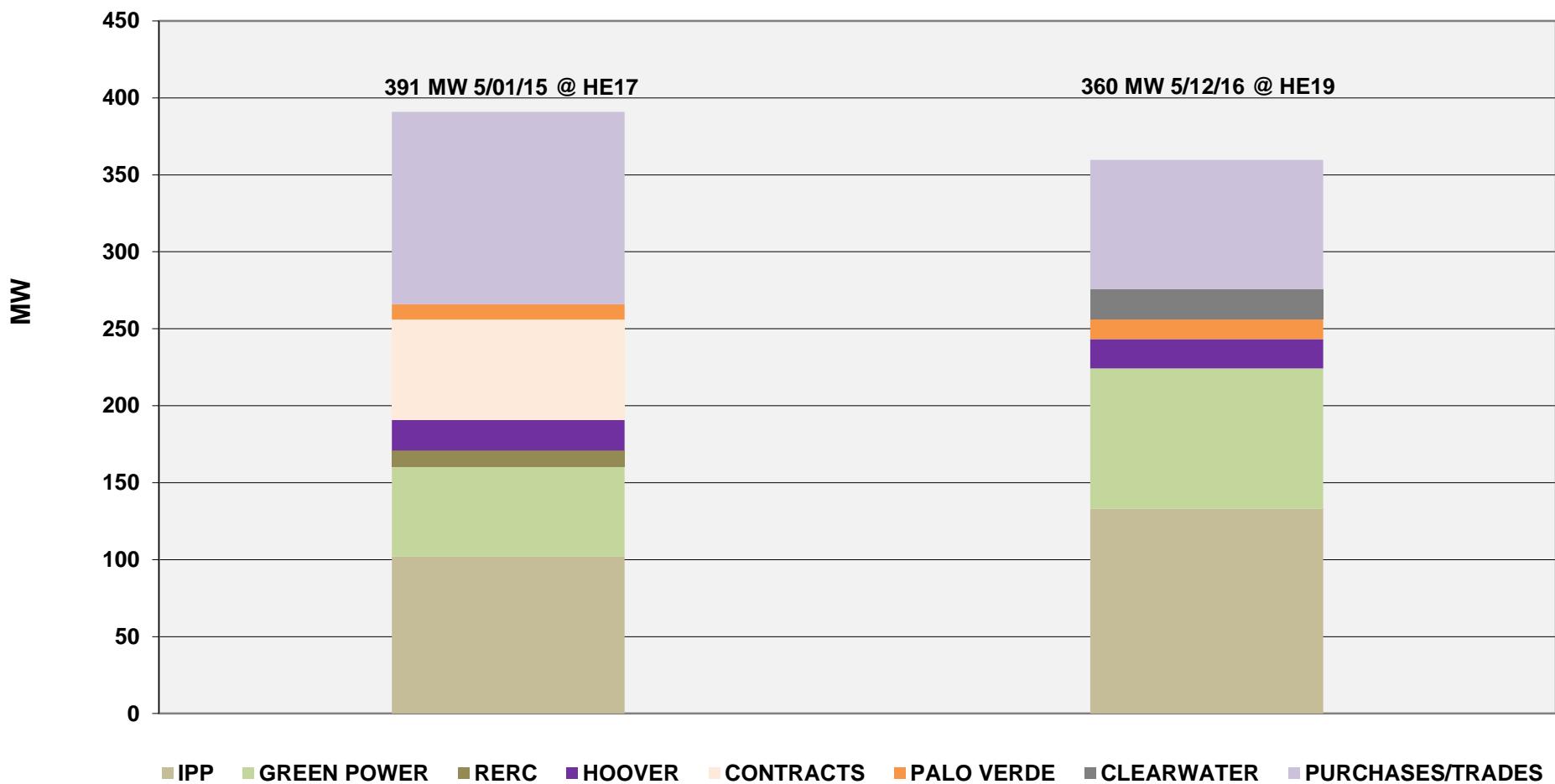


Chart 3
Retail Customer Load - May

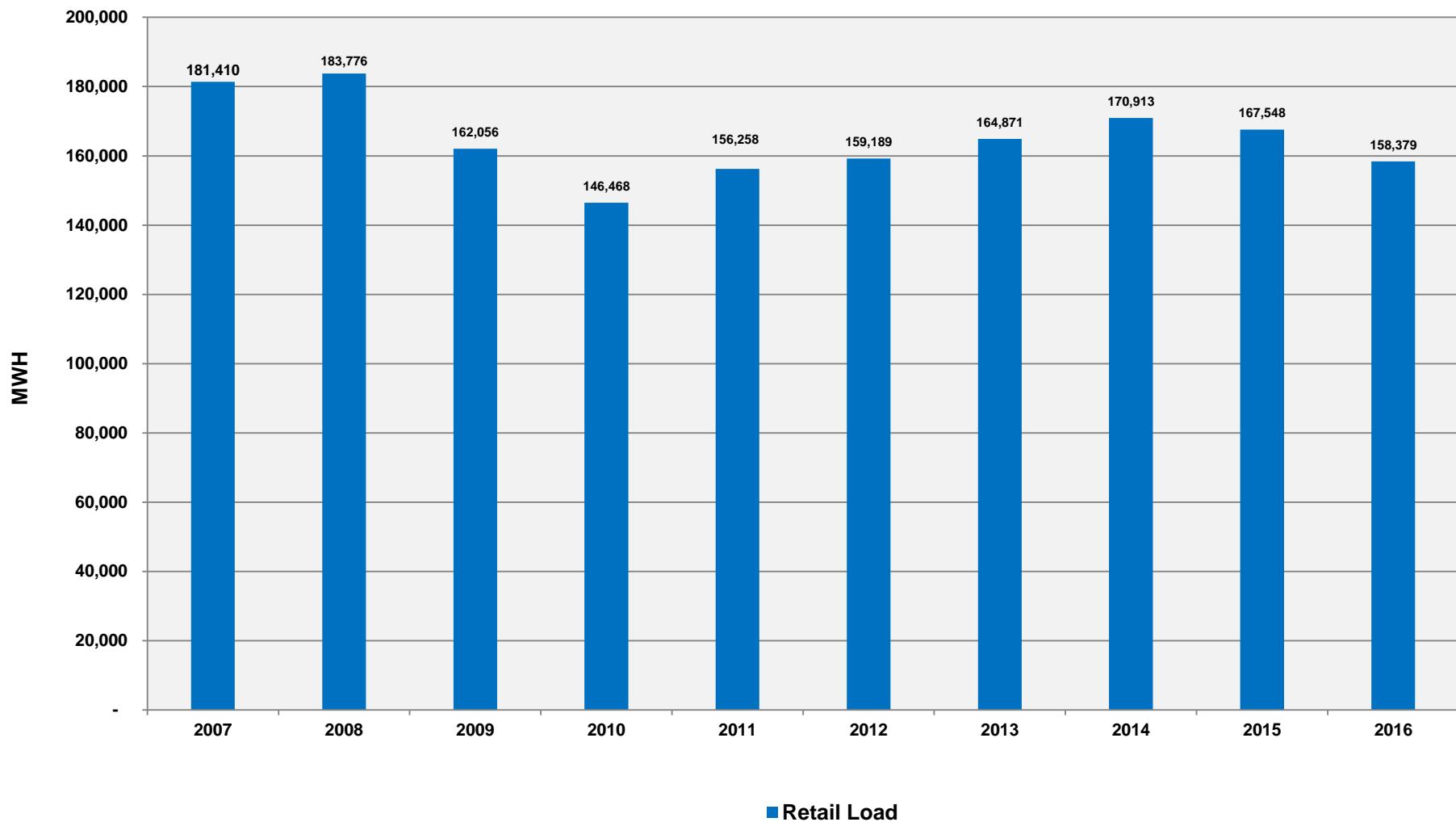


Chart 4
Daily Peak Load and Temperature Comparisons
May

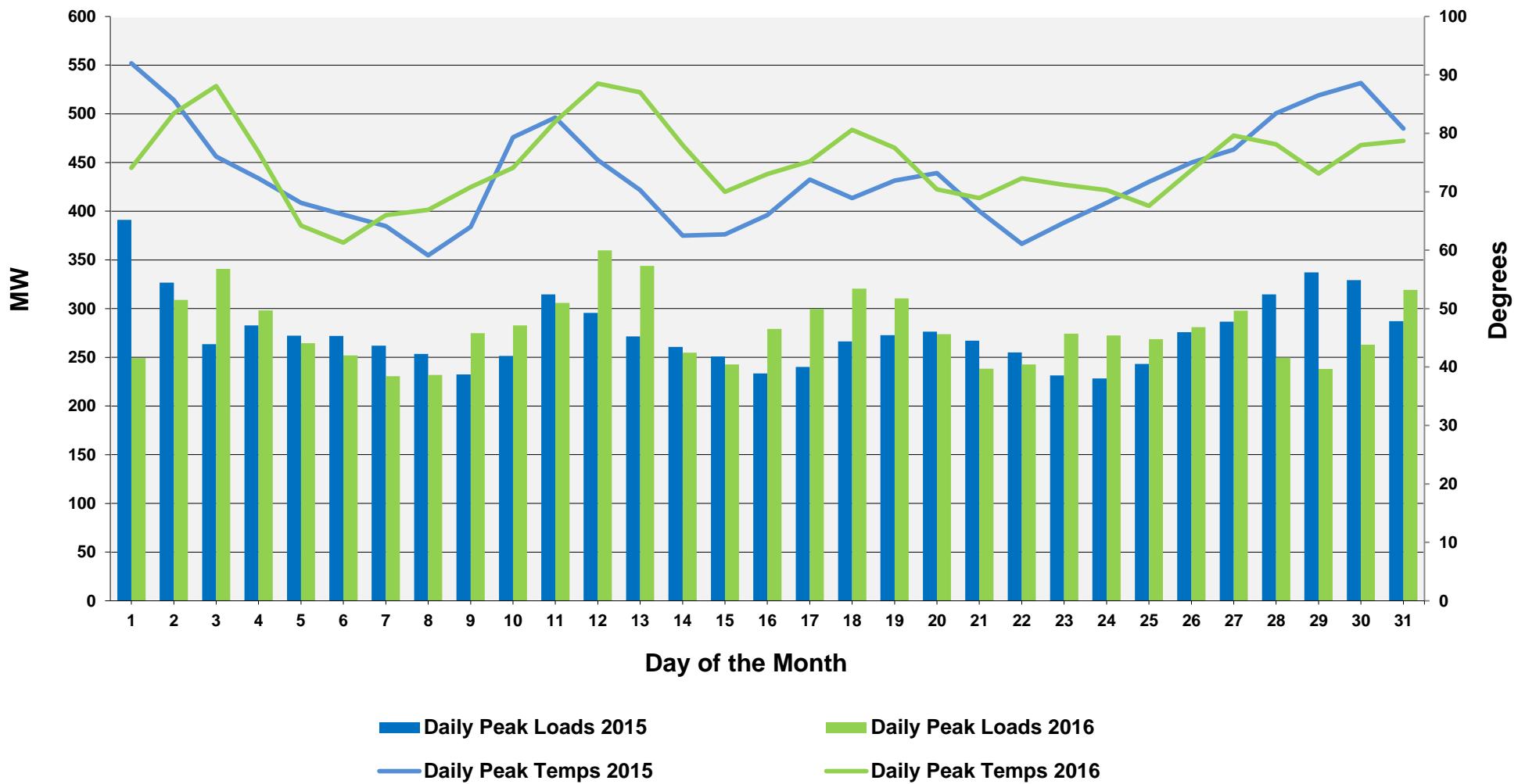


Chart 5
Monthly Peak Load & Temperature

