



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: DECEMBER 12, 2016

**GENERAL MANAGERS REPORT
ITEM NO: 15**

SUBJECT: MONTHLY POWER SUPPLY REPORT – October 2016

Power Usage:

Wholesale Load (Vista): – 187,390 MWH (Chart 1)
Peak Demand: – 396 MW of which 319 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	7,248
b) Coal	60,337
c) Large Hydroelectric	1,681
d) Natural Gas	6,877
e) Renewables	64,598
f) Inter SC Trades	39,000
g) Green Inter SC Trades	-
h) CAISO Purchases	76,50
Total:	187,390

Total Green Power Supply – **64,598 MWH** which yields 34.47% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 74.94% capacity factor for the month.
Coal: IPP units 1 and 2 operated at 59.20% capacity factor for the month.
Large Hydro: Hoover, RVSD's capacity entitlement was 17 MW, with energy entitlement of 1,681 MWH.
Natural Gas: Clearwater's availability was 100% 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 91.99% capacity factor for the month.
Vulcan unit operated at 81.79% capacity factor for the month.
Wintec operated at 20.87% capacity factor.
WKN operated at 33.98% capacity factor.
Kingbird Solar operated at 30.06% capacity factor.
Tequesquite Solar operated at 18.29% capacity factor.
AP North Lake Solar operated at 24.40% capacity factor.
Camelot Solar operated at 29.07% capacity factor.
Bigsky Solar5 operated at 26.85% capacity factor
Bigsky Solar3 operated at 26.77% capacity factor.
Transwind operated at 17.38% capacity factor.

The attached graphical comparisons represents 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

Chart 1
Total Energy Requirements/Resource Mix - October

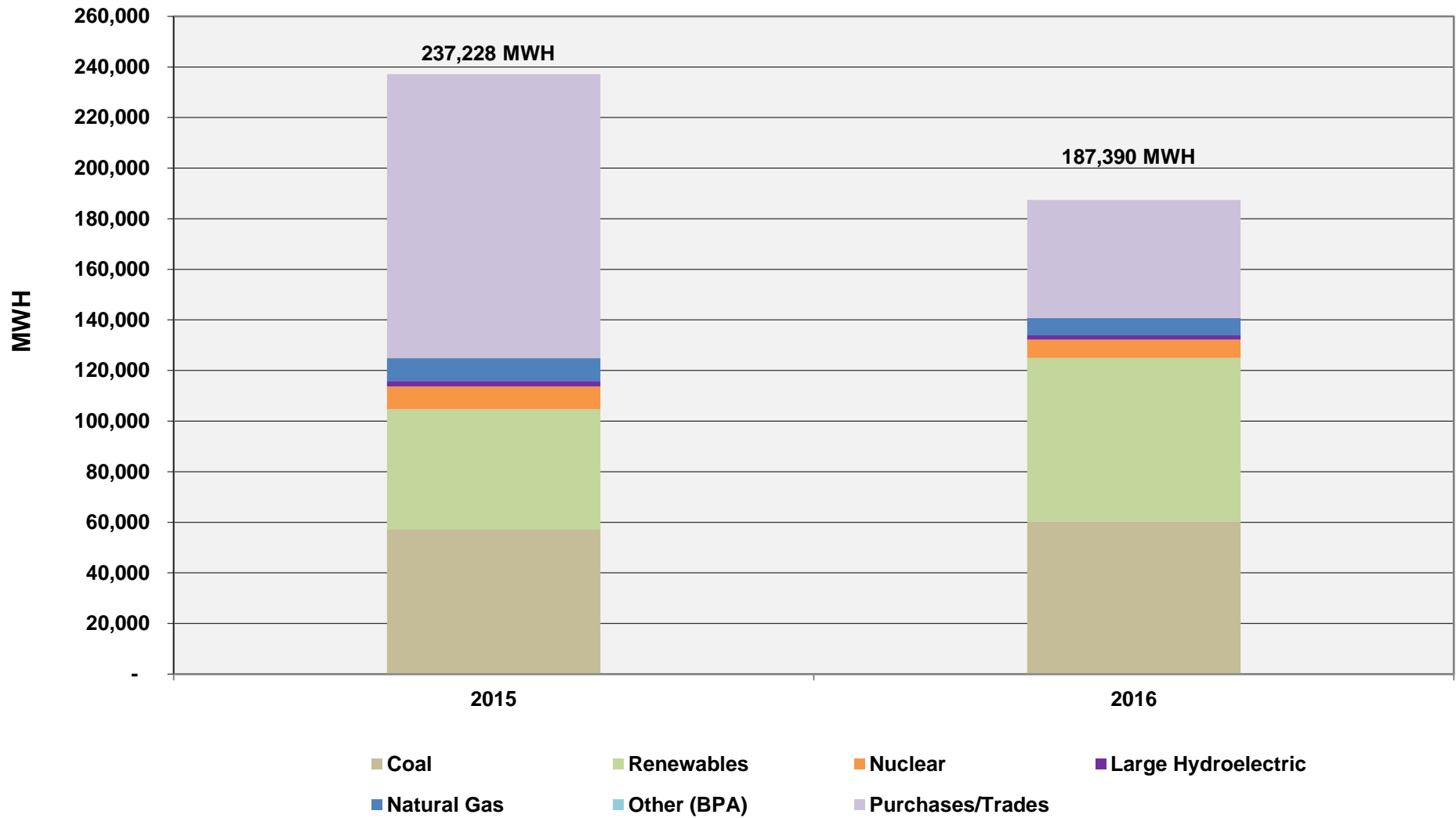


Chart 2
Peak Hour Total Capacity - October

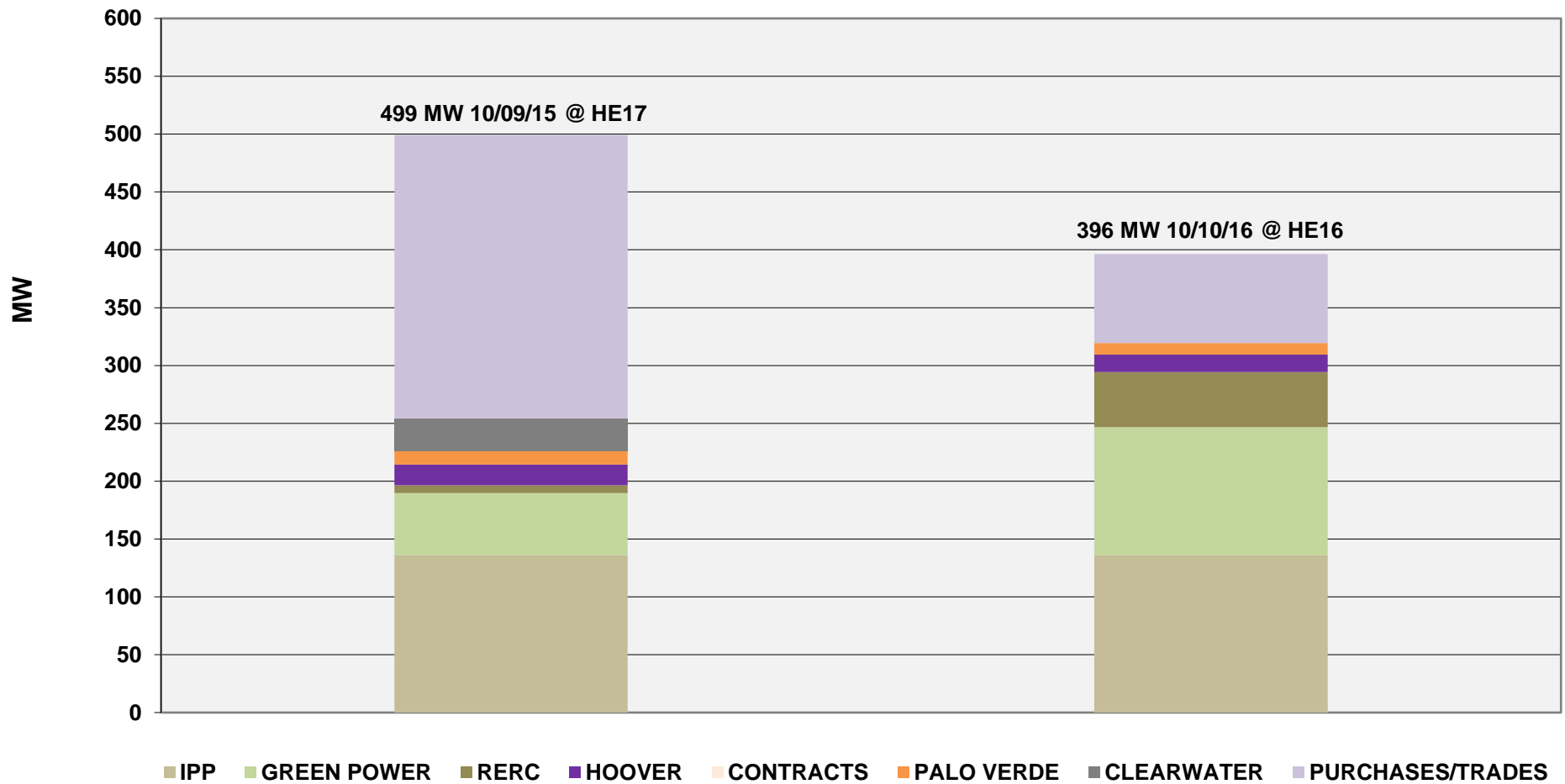


Chart 3
Retail Customer Load - October

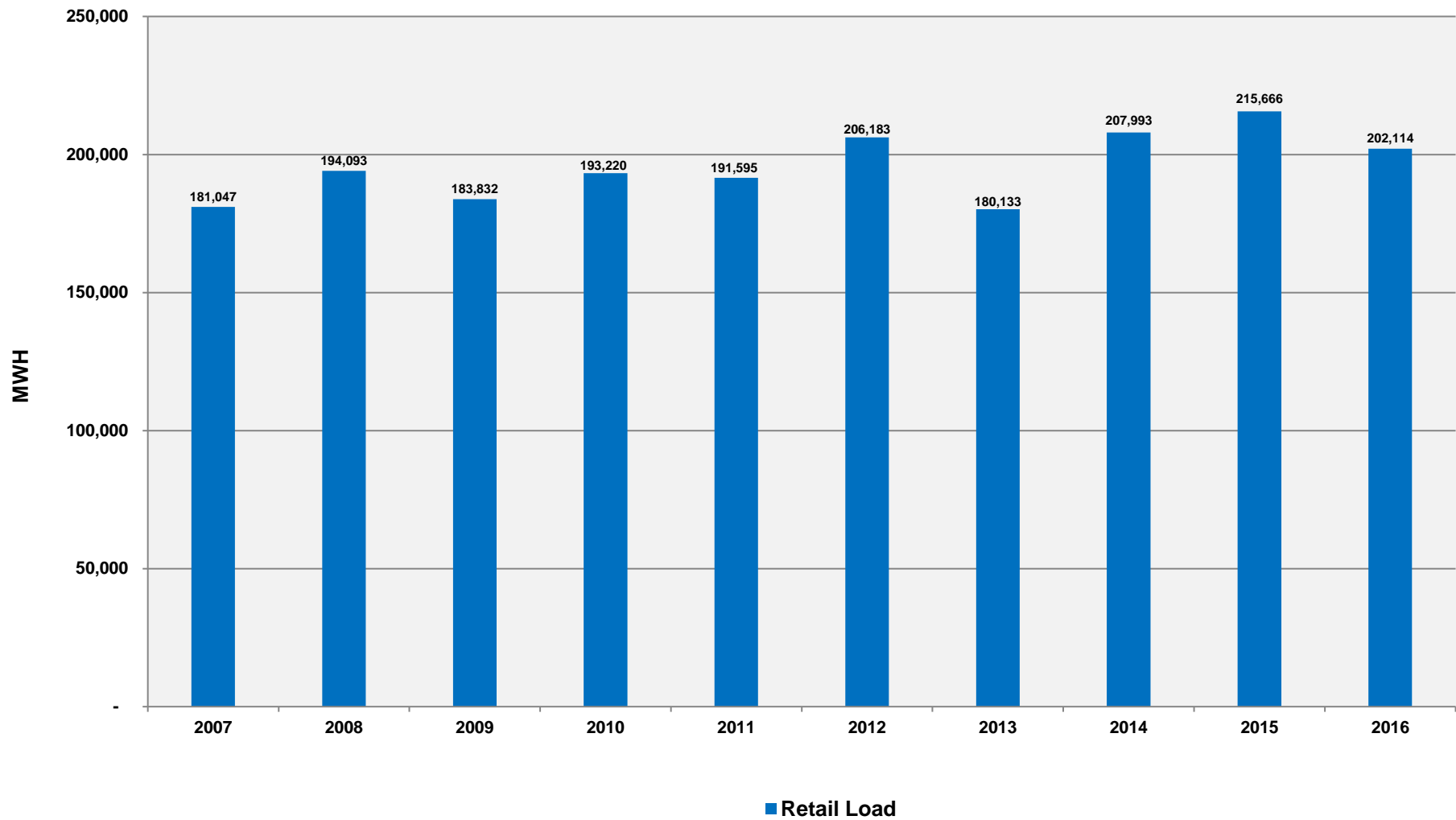


Chart 4
Daily Peak Load and Temperature Comparisons
October

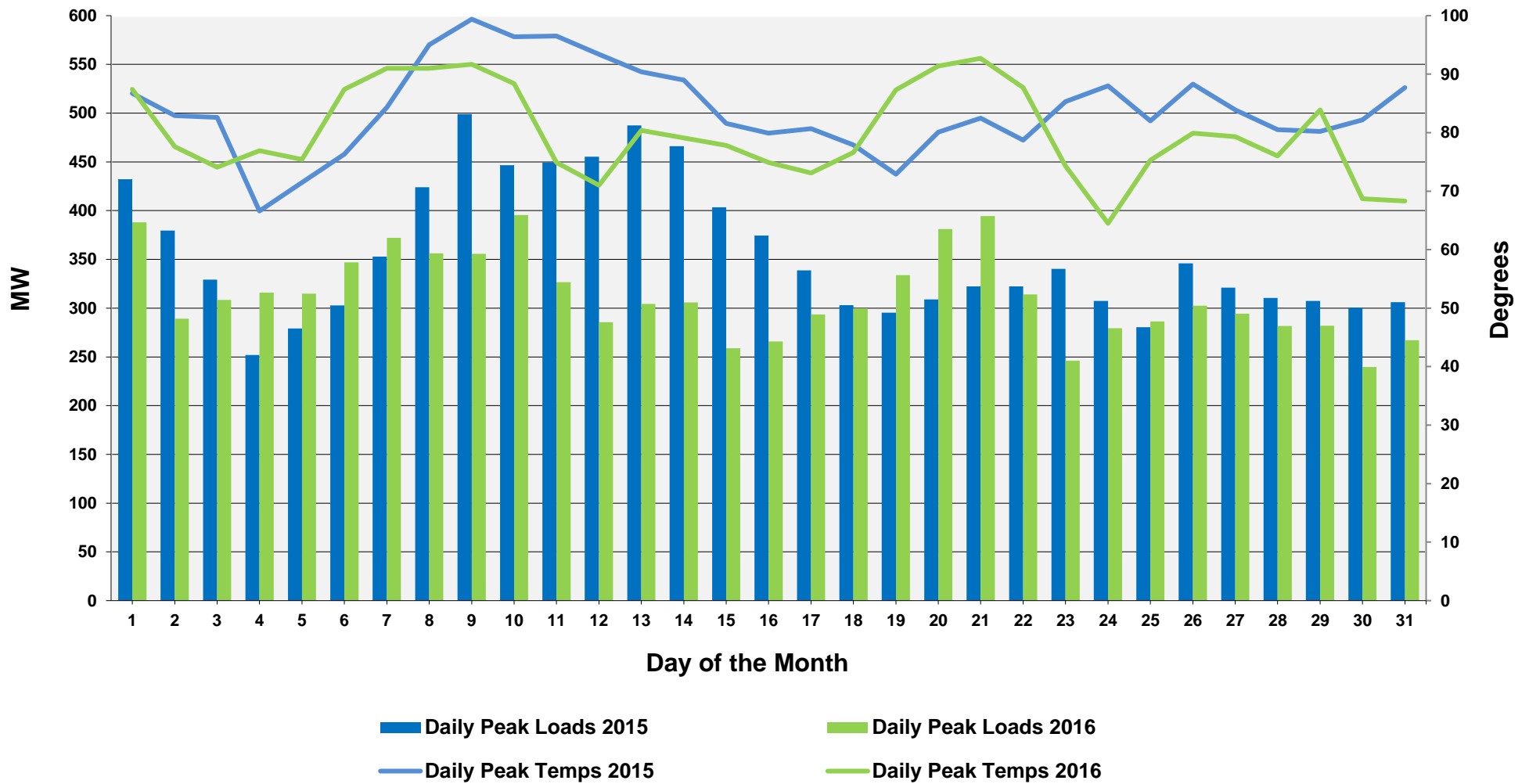


Chart 5
Monthly Peak Load & Temperature

