



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JANUARY 23, 2017

**GENERAL MANAGERS REPORT
ITEM NO:** 16

SUBJECT: **MONTHLY POWER SUPPLY REPORT – November 2016**

Power Usage:

Wholesale Load (Vista): – 166,847 MWH (Chart 1)
Peak Demand: – 354 MW of which 251 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,204
b) Coal	50,743
c) Large Hydroelectric	2,477
d) Natural Gas	5,213
e) Renewables	44,661
f) Inter SC Trades	234
g) Green Inter SC Trades	-
h) CAISO Purchases	55,315
Total:	166,847

Total Green Power Supply – **44,661 MWH** which yields 26.77% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 87.65% capacity factor for the month.
Coal: IPP units 1 and 2 operated at 51.44% capacity factor for the month.
Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,477 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 54.51% capacity factor for the month.
Vulcan unit operated at 86.11% capacity factor for the month.
Wintec operated at 4.47% capacity factor.
WKN operated at 12.43% capacity factor.
Kingbird Solar operated at 23.92% capacity factor.
Tequesquite Solar operated at 17.91% capacity factor.
AP North Lake Solar operated at 18.67% capacity factor.
Camelot Solar2 operated at 23.53% capacity factor.
Bigsky Solar1X operated at 23.07% capacity factor
Bigsky Solar3 operated at 23.26% capacity factor.
Bigsky Solar7 operated at 15.46% capacity factor.
Transwind operated at 7.33% capacity factor.

The attached graphical comparisons represents RPU's November:

- 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 - November

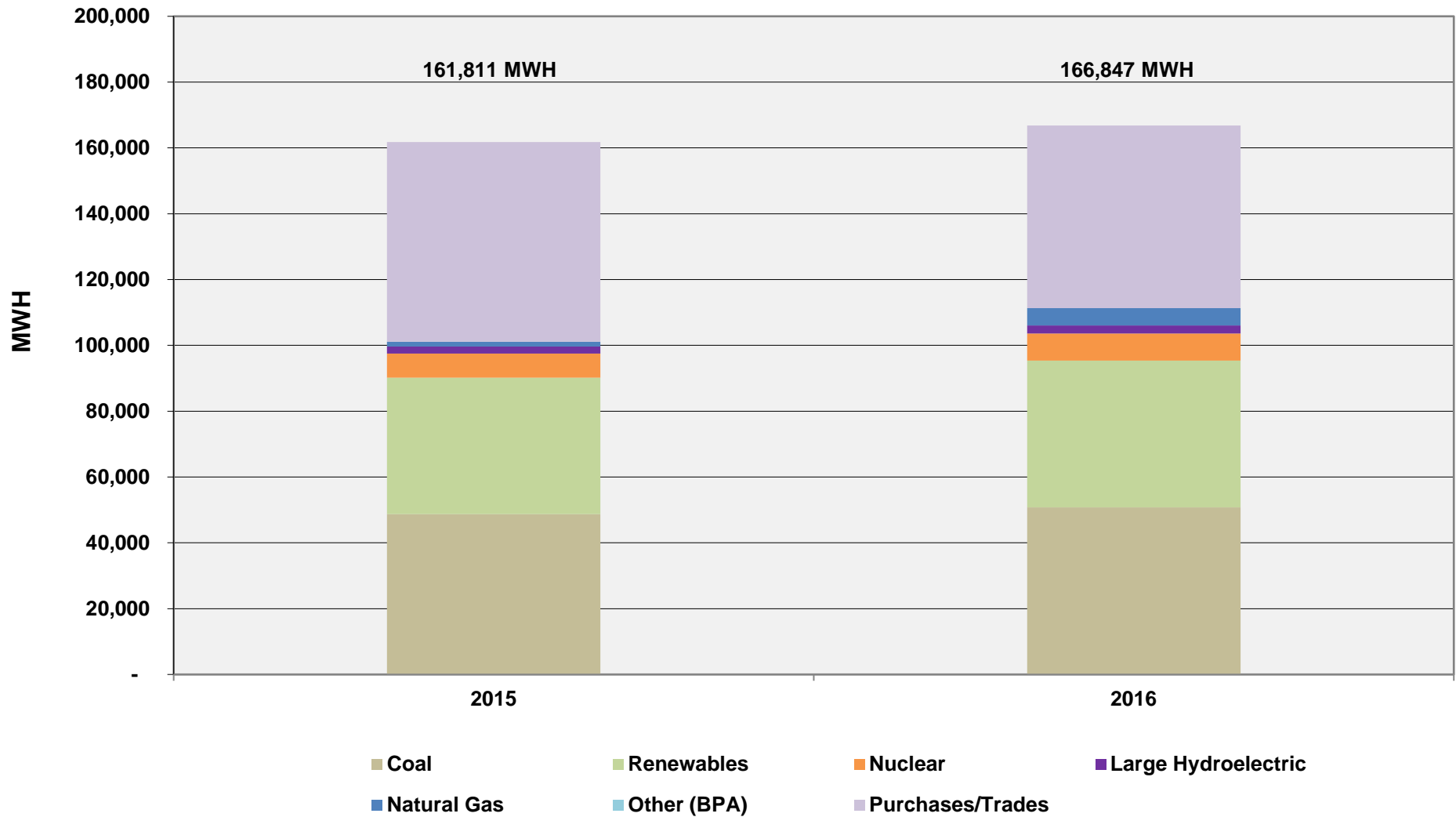


Chart 2
Peak Hour Total Capacity - November

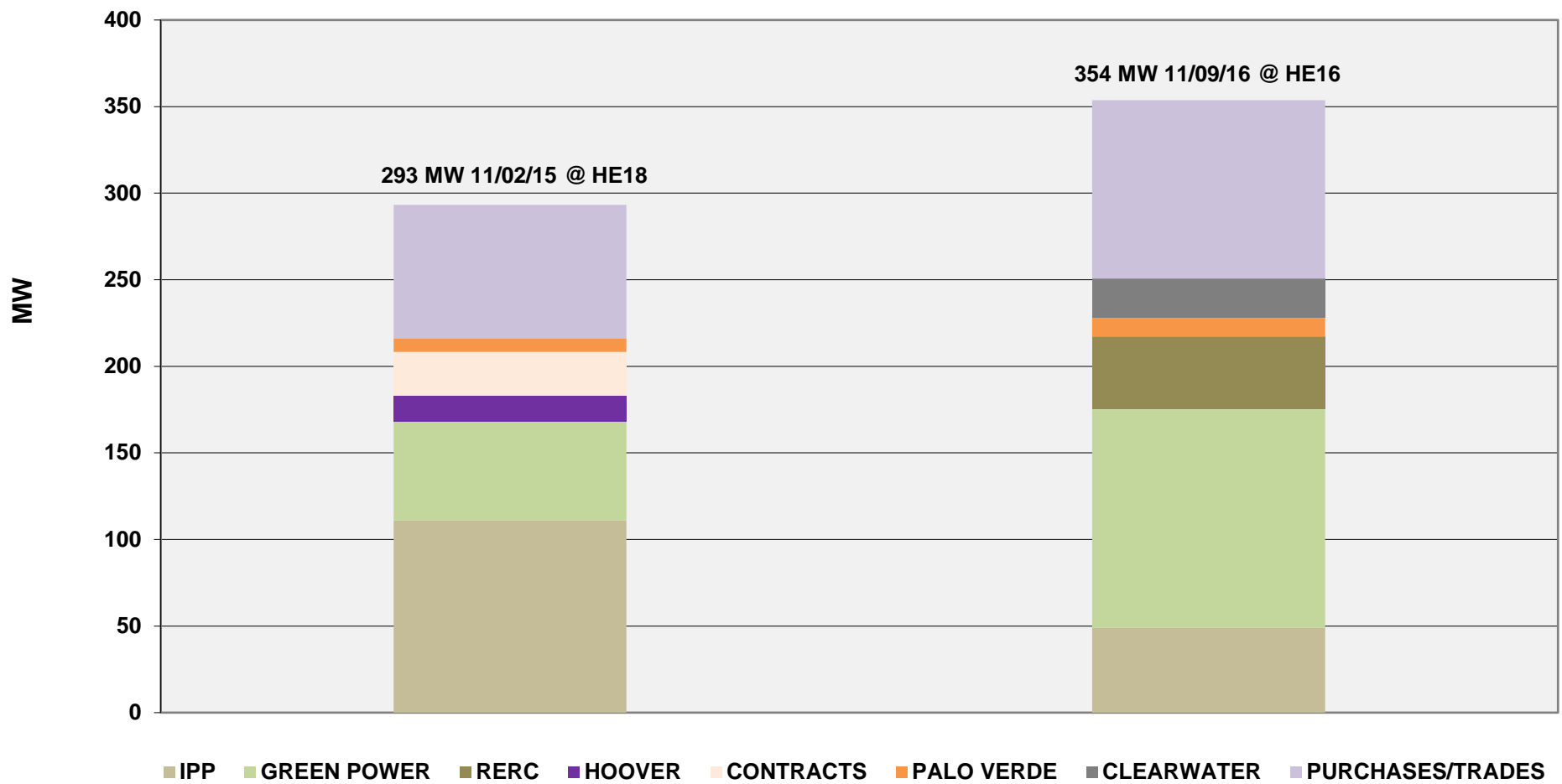


Chart 3
Retail Customer Load - November

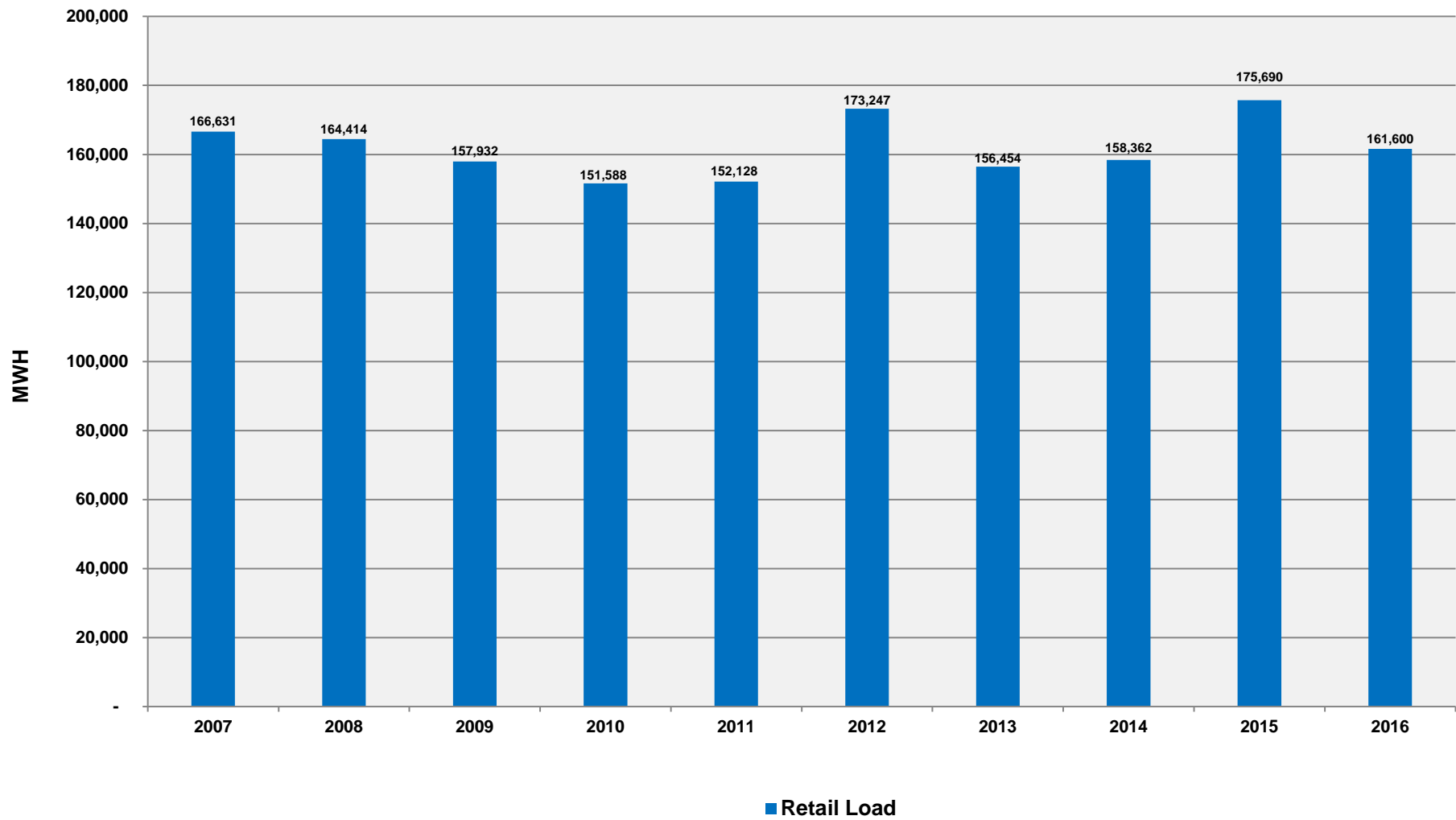


Chart 4
Daily Peak Load and Temperature Comparisons
November

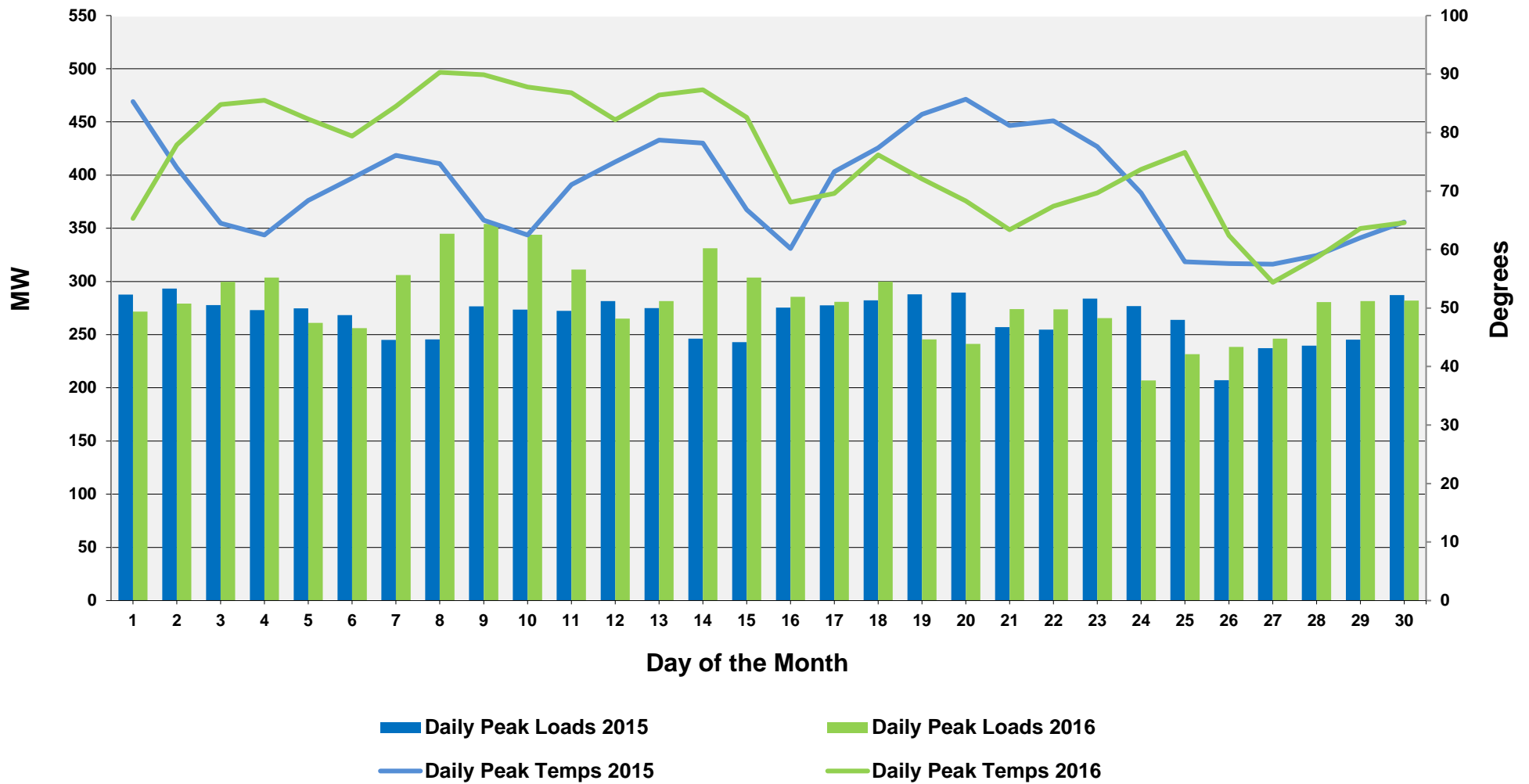


Chart 5
Monthly Peak Load & Temperature

