



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JULY 10, 2017

**GENERAL MANAGERS REPORT
ITEM NO:** 20

SUBJECT: **MONTHLY POWER SUPPLY REPORT – May 2017**

Power Usage:

Wholesale Load (Vista): – 171,807 MWH (Chart 1)

Peak Demand: – 412 MW of which 323 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,592
b) Coal	50,839
c) Large Hydroelectric	3,122
d) Natural Gas	6,811
e) Renewables	81,990
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	20,452
Total:	171,807

Total Green Power Supply – **81,990 MWH** which yields 47.72% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 88.83% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 49.88% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 22 MW, with energy entitlement of 3,122 MWH.

Natural Gas: Clearwater's availability was 99.13% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 99.66% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 99.66% capacity factor for the month.
Vulcan unit operated at 85.78% capacity factor for the month.
Wintec operated at 46.38% capacity factor.
WKN operated at 39.51% capacity factor.
Transwind operated at 20.10% capacity factor.
Kingbird Solar operated at 42.74% capacity factor.
Tequesquite Solar operated at 26.72% capacity factor.
AP North Lake Solar operated at 31.56% capacity factor.
Camelot Solar2 operated at 42.22% capacity factor.
Bigsky Solar1X operated at 42.65% capacity factor.
Bigsky Solar3 operated at 37.76% capacity factor.
Bigsky Solar7 operated at 37.35% 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

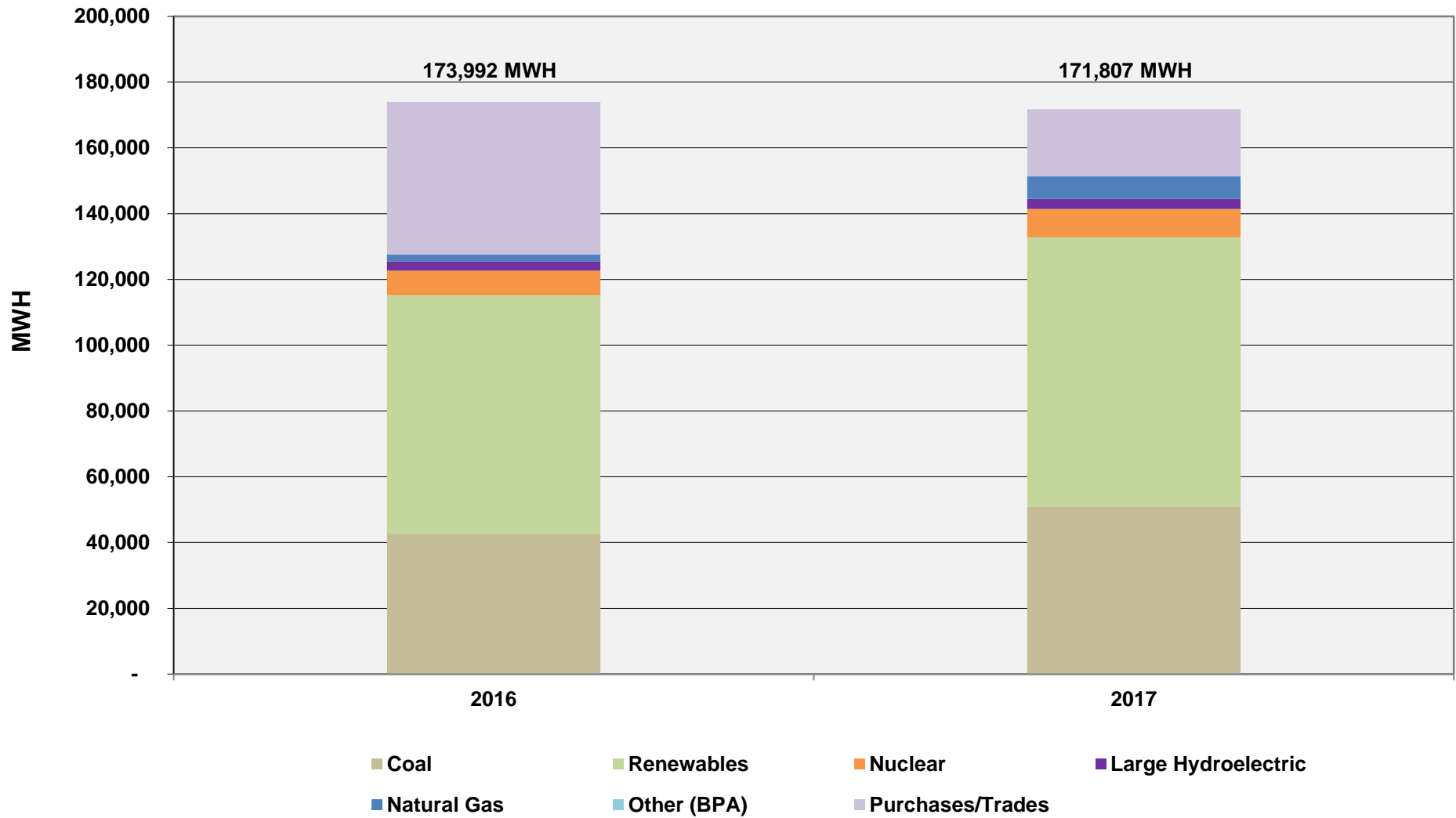


Chart 2
Peak Hour Total Capacity - May

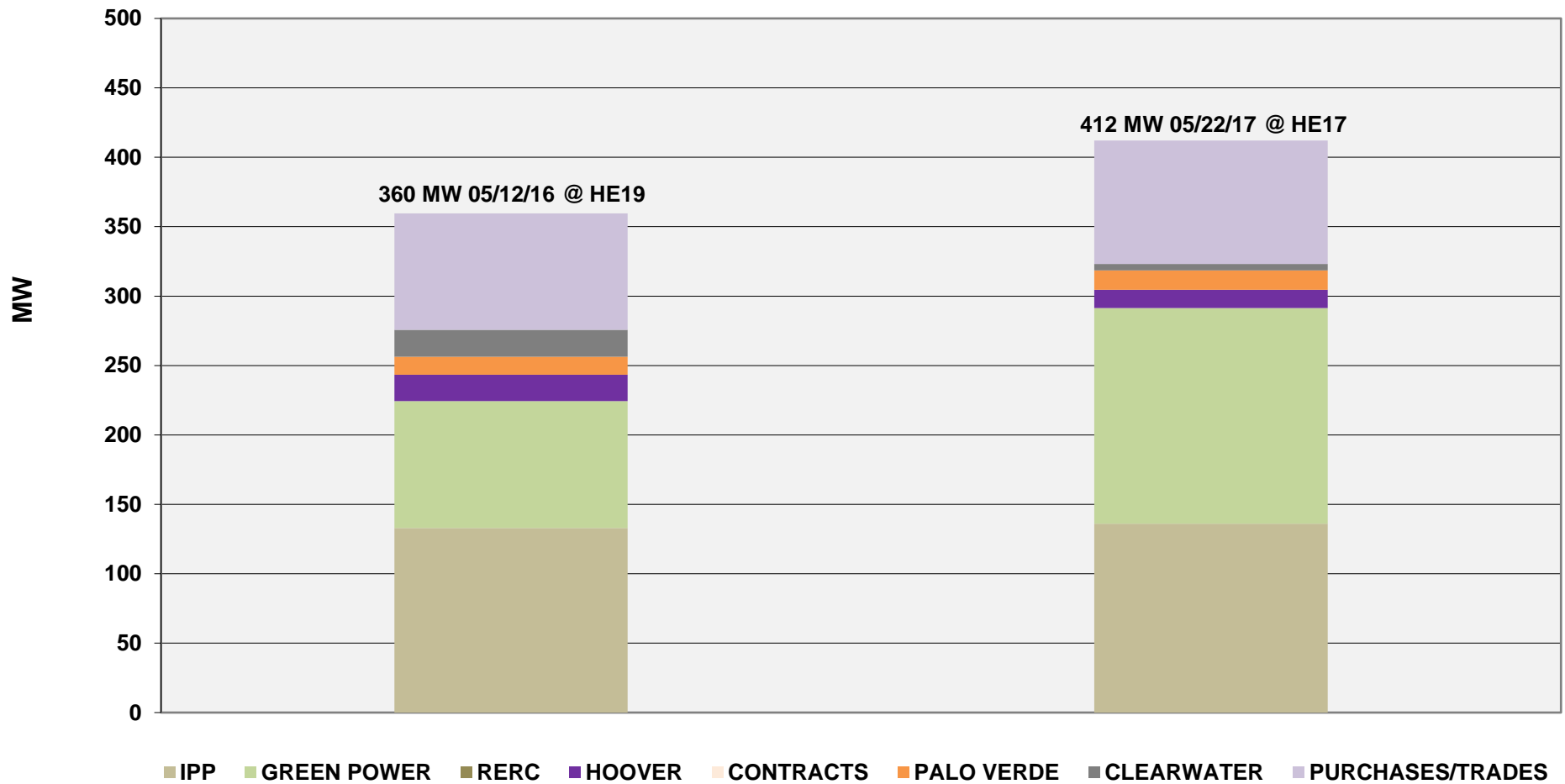


Chart 3
Retail Customer Load - May

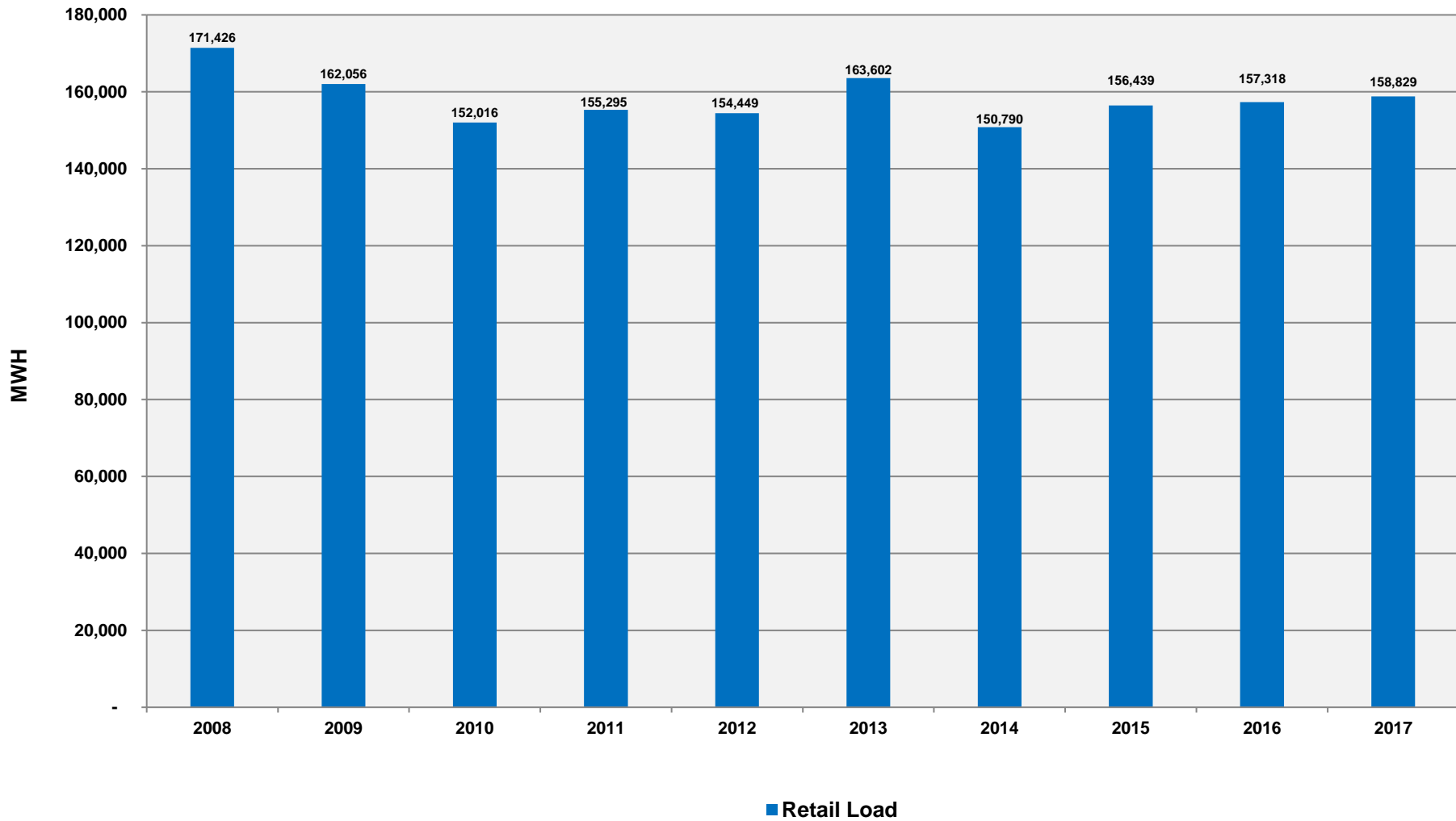


Chart 4
Daily Peak Load and Temperature Comparisons
May

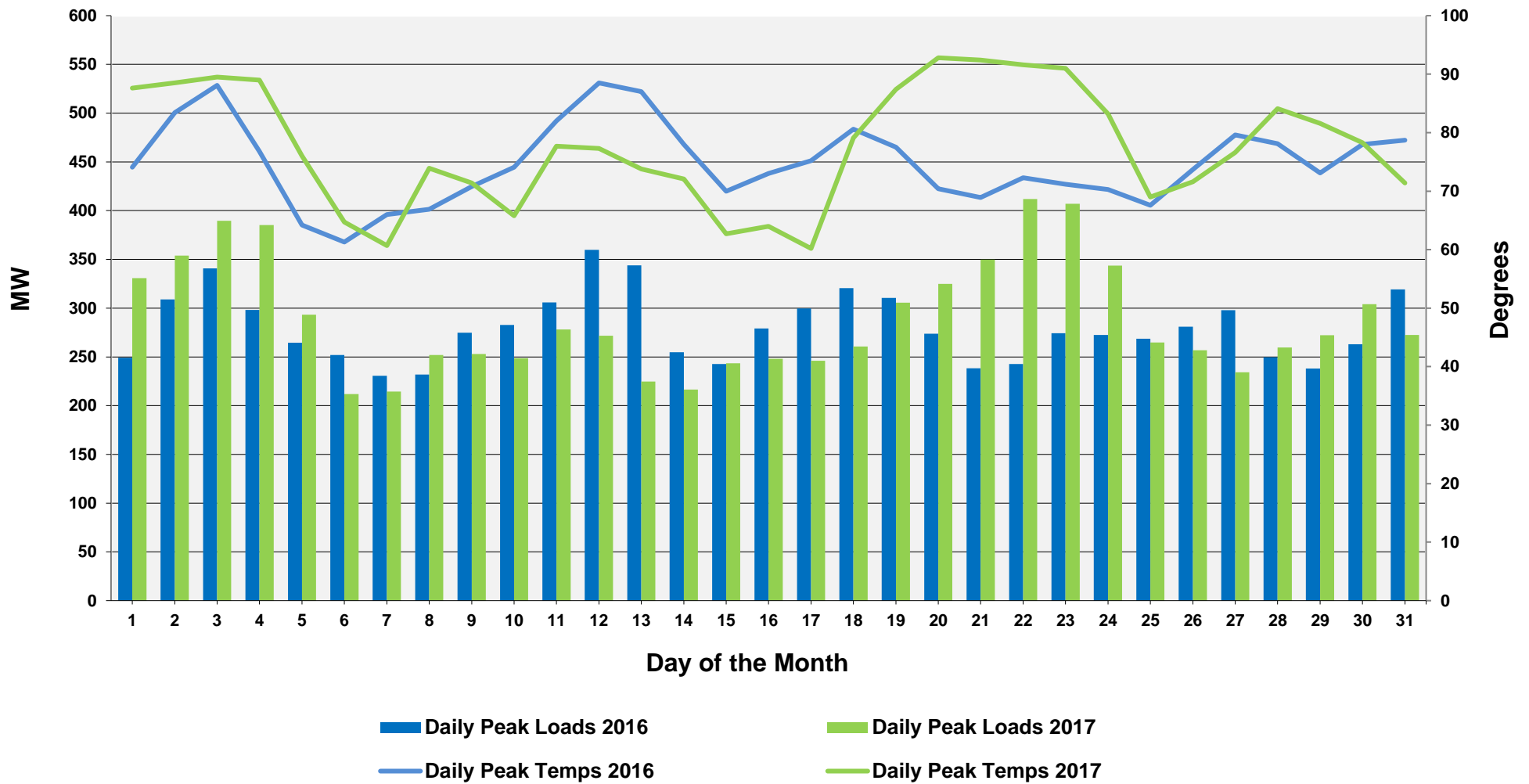


Chart 5
Monthly Peak Load & Temperature

