



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: NOVEMBER 13, 2017

**GENERAL MANAGERS REPORT
ITEM NO: 13**

SUBJECT: MONTHLY POWER SUPPLY REPORT – September, 2017

Power Usage:

Wholesale Load (Vista): – 216,421 MWH (Chart 1)

Peak Demand: – 612 MW of which 496 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,095
b) Coal	55,407
c) Large Hydroelectric	1,925
d) Natural Gas	12,955
e) Renewables	70,549
f) Inter SC Trades	48,000
g) Green Inter SC Trades	-
h) CAISO Purchases	18,491
Total:	249,763

Total Green Power Supply – **216,421 MWH** which yields 32.60% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 97.17% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 56.17% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 1,925 MWH.

Natural Gas: Clearwater's availability was 100.00% 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 88.17% capacity factor for the month.
Vulcan unit operated at 79.68% capacity factor for the month.
Wintec operated at 37.26% capacity factor.
WKN operated at 40.69% capacity factor.
Transwind operated at 18.62% capacity factor.
Kingbird Solar operated at 38.41% capacity factor.
Tequesquite Solar operated at 24.33% capacity factor.
AP North Lake Solar operated at 24.54% capacity factor.
Camelot Solar2 operated at 35.79% capacity factor.
Bigsky Solar1X operated at 35.66% capacity factor.
Bigsky Solar3 operated at 34.87% capacity factor.
Bigsky Solar7 operated at 32.58% capacity factor.

The attached graphical comparisons represents RPU's September:

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 - September

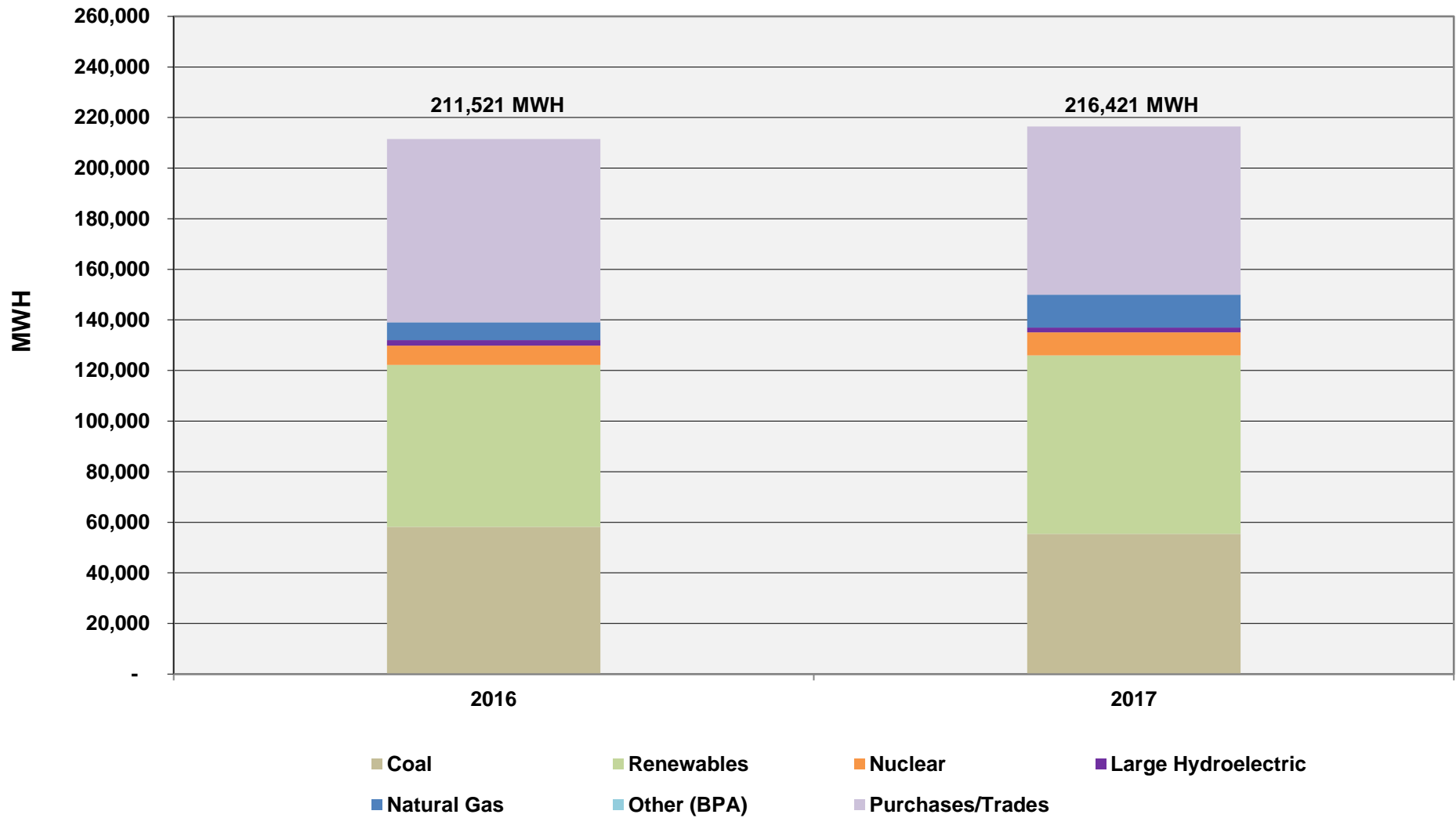


Chart 2
Peak Hour Total Capacity - September

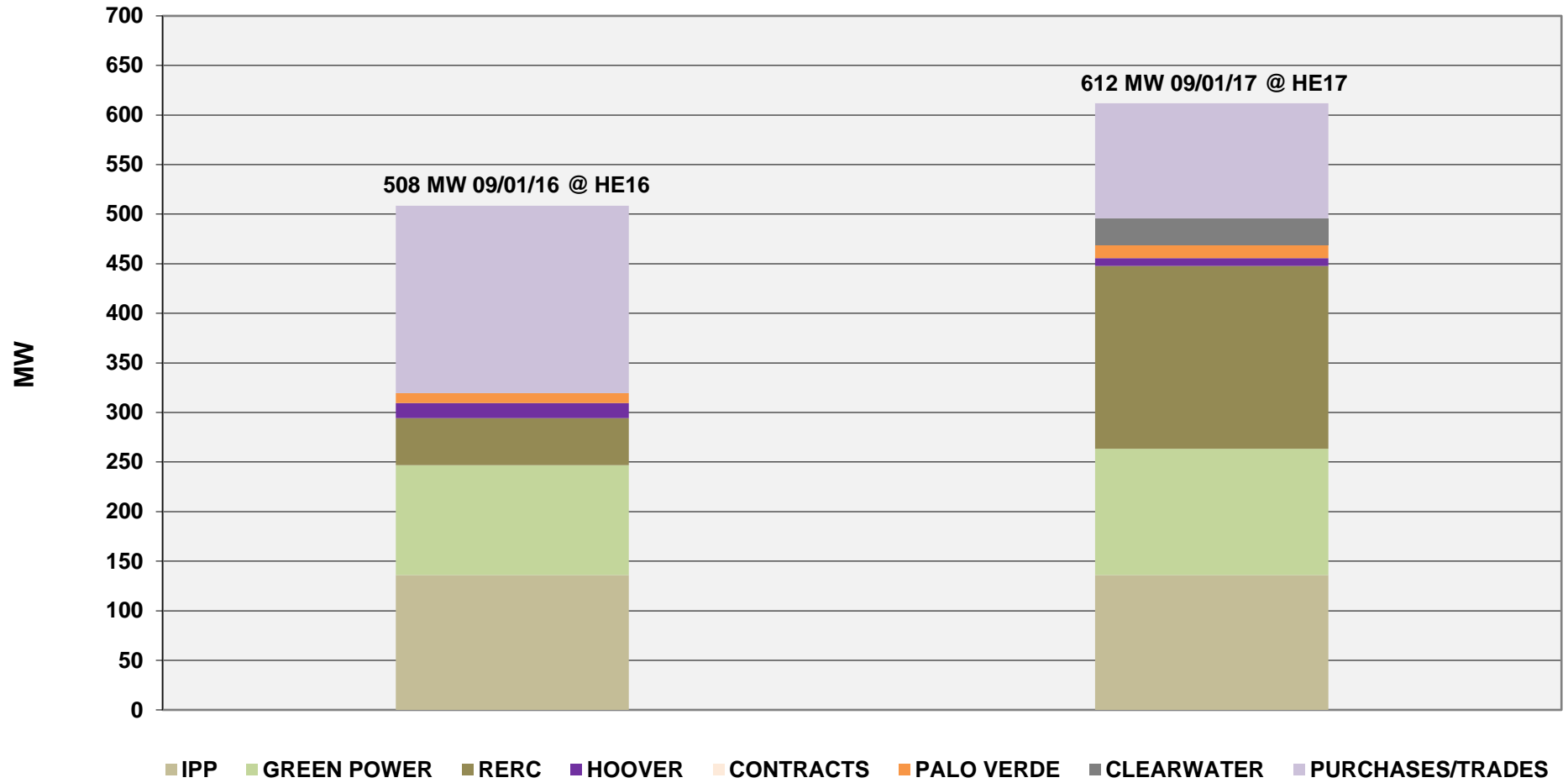


Chart 3
Retail Customer Load - September

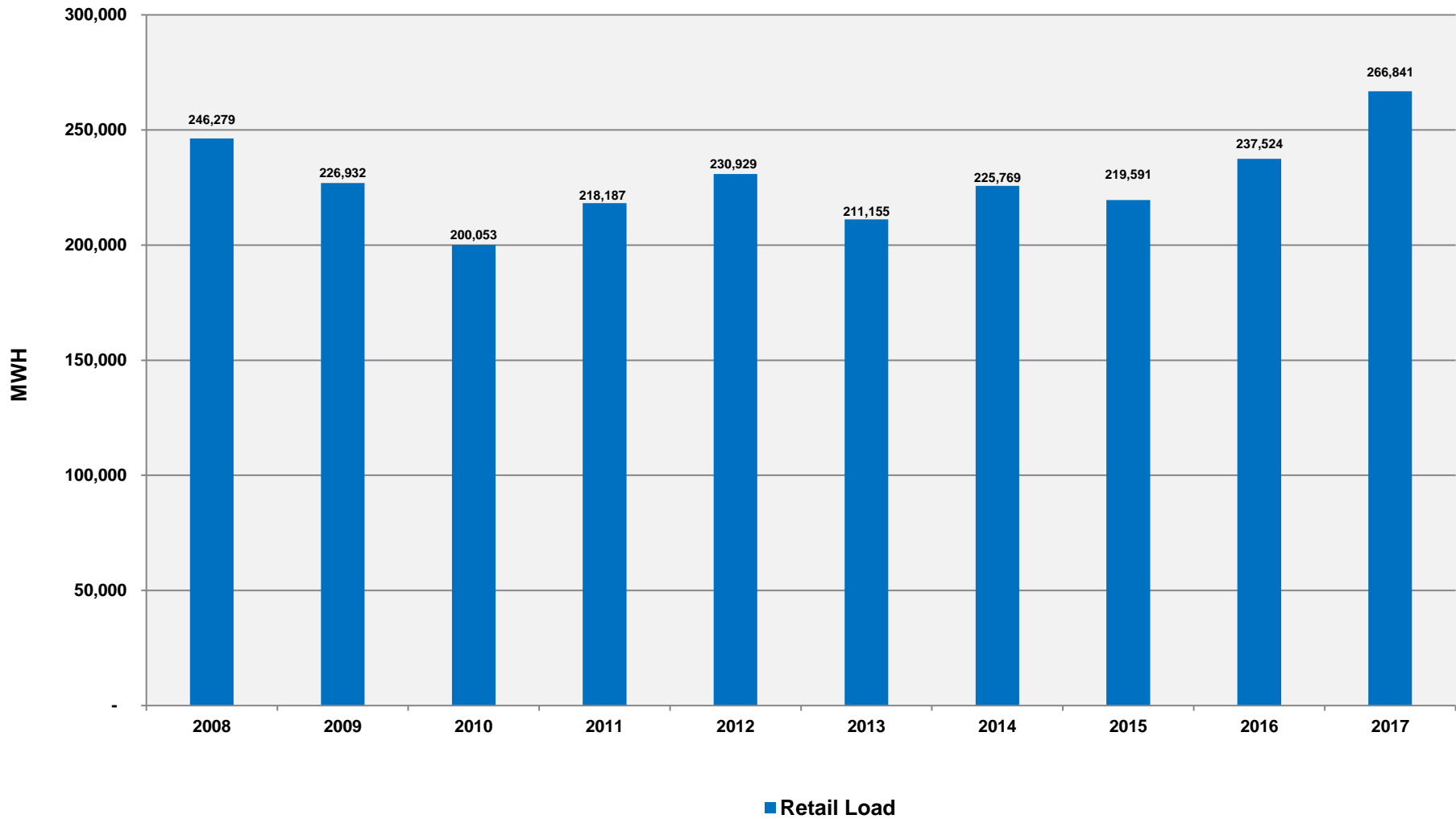


Chart 4
Daily Peak Load and Temperature Comparisons
September

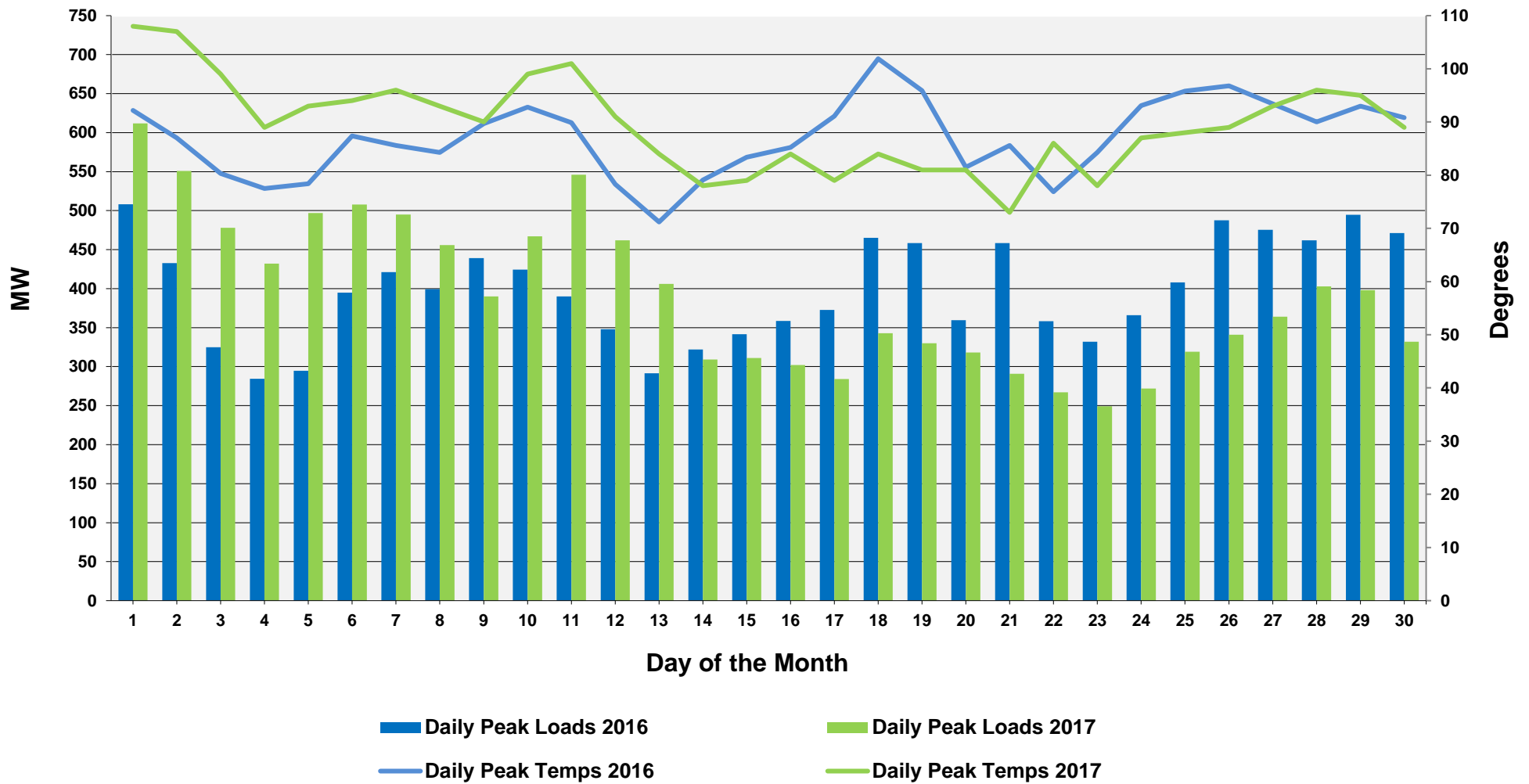


Chart 5
Monthly Peak Load & Temperature

