



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: SEPTEMBER 11, 2017

**GENERAL MANAGERS REPORT
ITEM NO: 14**

SUBJECT: MONTHLY POWER SUPPLY REPORT – July 2017

Power Usage:

Wholesale Load (Vista): – 244,652 MWH (Chart 1)

Peak Demand: – 569 MW of which 452 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,856
b) Coal	65,097
c) Large Hydroelectric	2,854
d) Natural Gas	14,259
e) Renewables	78,117
f) Inter SC Trades	48,600
g) Green Inter SC Trades	-
h) CAISO Purchases	26,869
Total:	244,652

Total Green Power Supply – **78,117 MWH** which yields 31.93% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 91.56% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 63.87% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 21 MW, with energy entitlement of 2,854 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 95.83% for the month.

Renewable: Salton Sea units operated at 88.05% capacity factor for the month.
Vulcan unit operated at 88.63% capacity factor for the month.
Wintec operated at 39.84% capacity factor.
WKN operated at 24.99% capacity factor.
Transwind operated at 21.88% capacity factor.
Kingbird Solar operated at 43.92% capacity factor.
Tequesquite Solar operated at 26.23% capacity factor.
AP North Lake Solar operated at 26.96% capacity factor.
Camelot Solar2 operated at 42.62% capacity factor.
Bigsky Solar1X operated at 42.10% capacity factor.
Bigsky Solar3 operated at 40.72% capacity factor.
Bigsky Solar7 operated at 38.69% capacity factor.

The attached graphical comparisons represents RPU's July:

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 - July

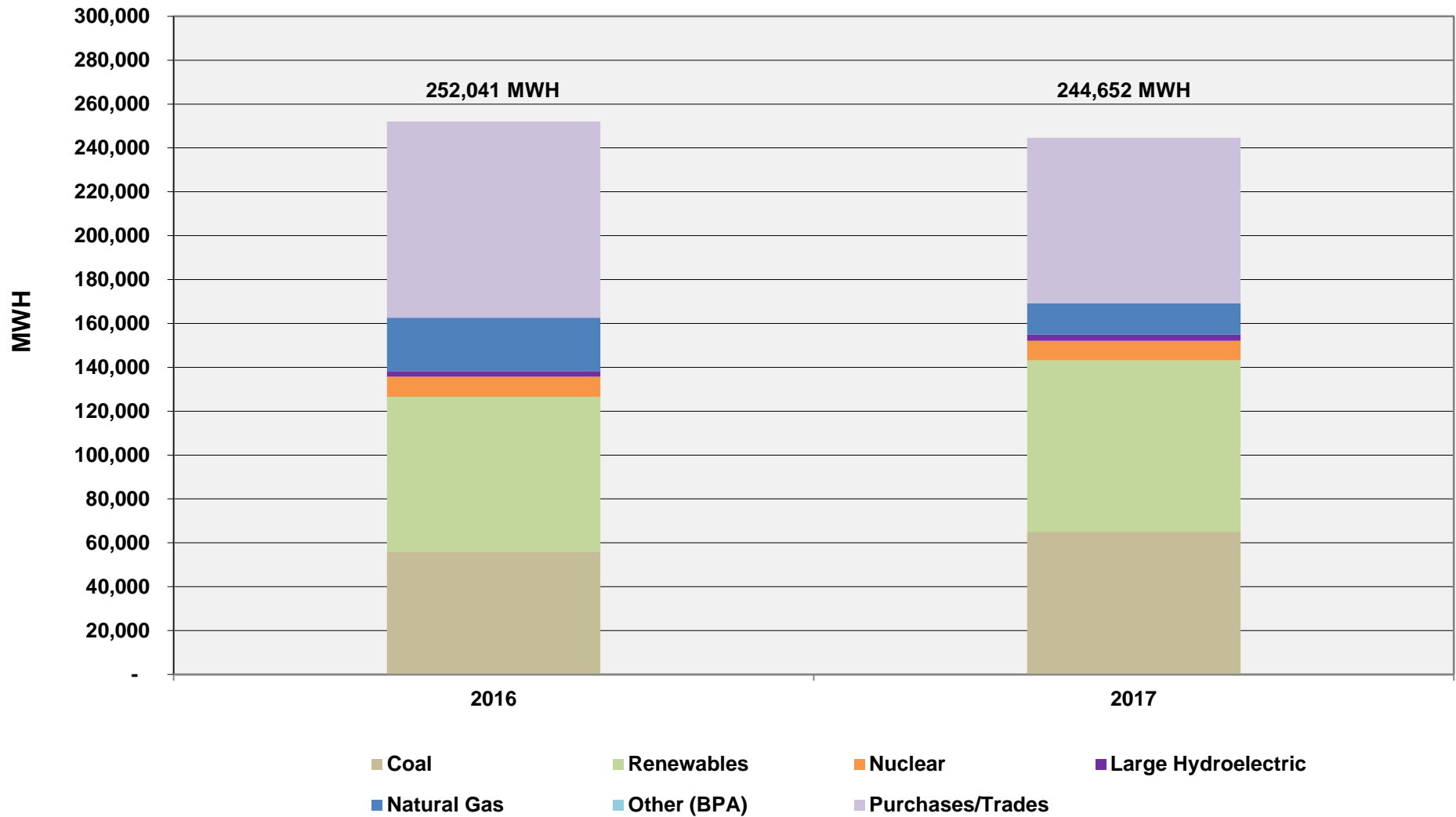


Chart 2
Peak Hour Total Capacity - July

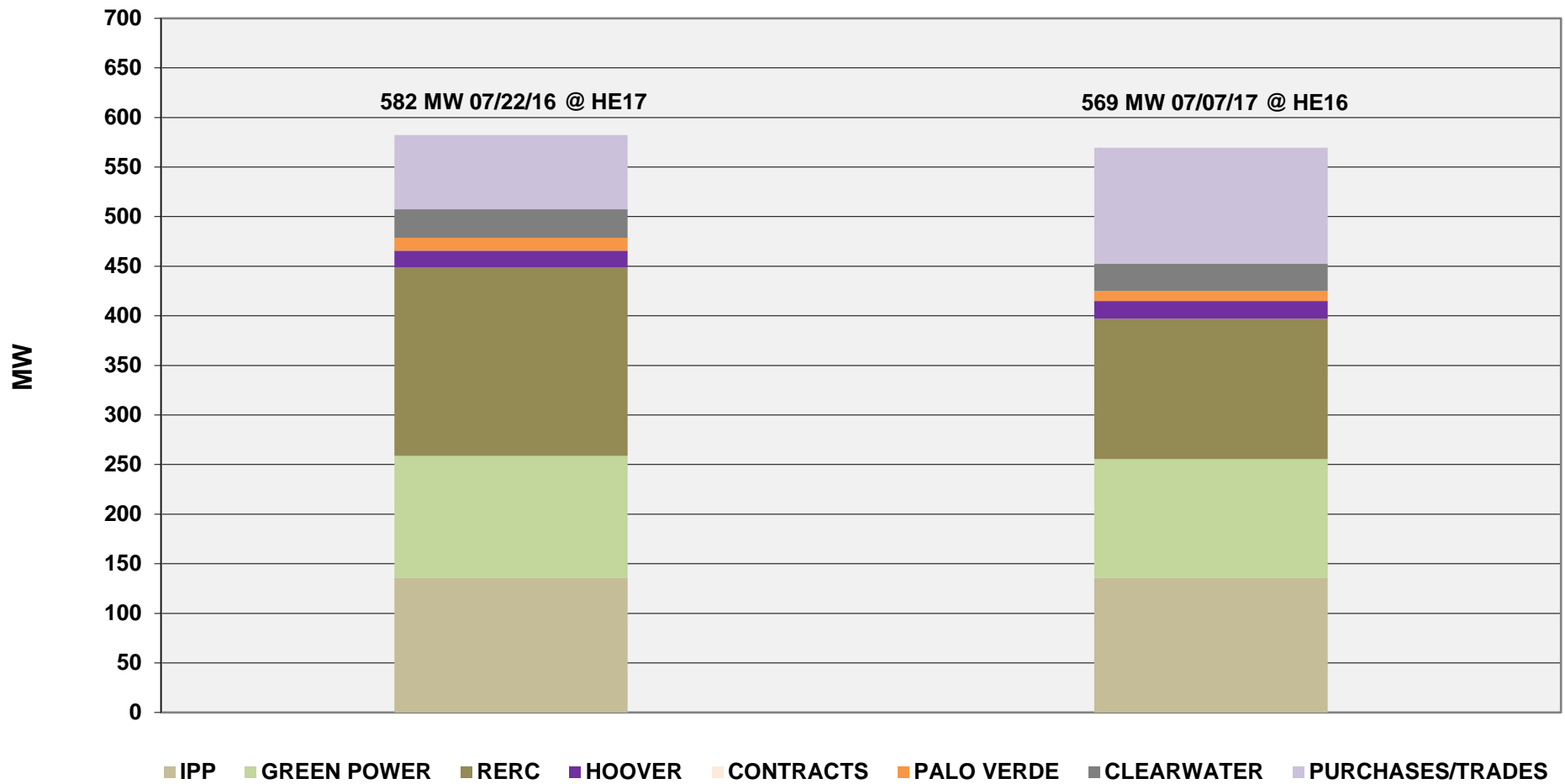


Chart 3
Retail Customer Load - July

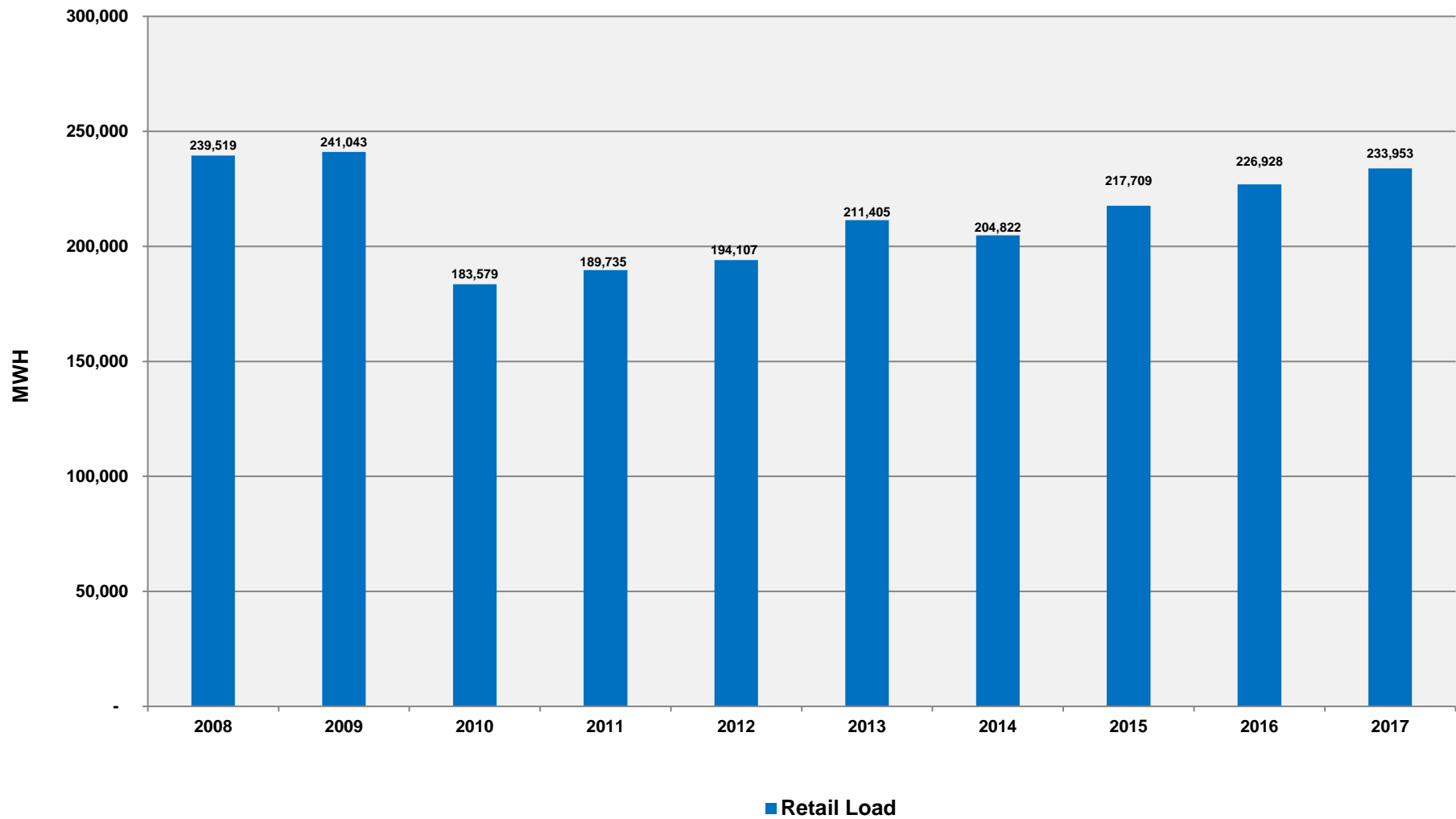


Chart 4
Daily Peak Load and Temperature Comparisons
July

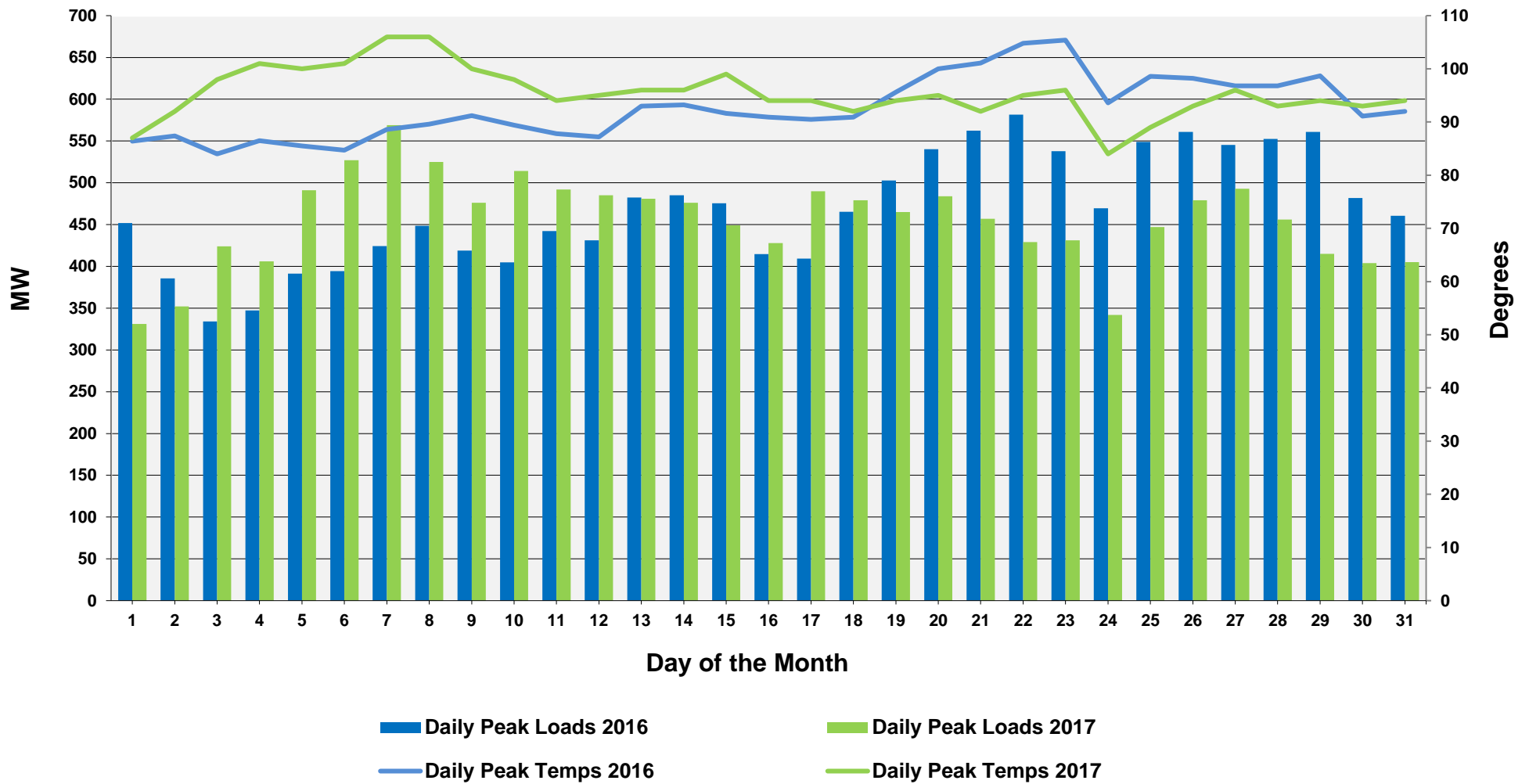


Chart 5
Monthly Peak Load & Temperature

