



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: SEPTEMBER 12, 2016

GENERAL MANAGERS REPORT
ITEM NO: 10

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

Power Usage:

Wholesale Load (Vista): – 252,041 MWH (Chart 1)
Peak Demand: – 582 MW of which 459 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,120
b) Coal	55,771
c) Large Hydroelectric	2,582
d) Natural Gas	24,335
e) Renewables	70,832
f) Inter SC Trades	38,590
g) Green Inter SC Trades	-
h) CAISO Purchases	50,812
Total:	252,041

Total Green Power Supply – 70,832 MWH which yields 28.10% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 94.29% capacity factor for the month.
Coal: IPP units 1 and 2 operated at 54.72% capacity factor for the month.
Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,582 MWH.
Natural Gas: Clearwater's availability was 97.01% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 99.76% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 97.97% for the month.
Renewable: Salton Sea units operated at 95.98% capacity factor for the month.
Vulcan unit operated at 73.47% capacity factor for the month.
Wintec operated at 56.02% capacity factor.
WKN operated at 56.49% capacity factor.
Kingbird Solar operated at 39.46% capacity factor.
Tequesquite Solar operated at 26.25% capacity factor.
AP North Lake Solar operated at 37.20% capacity factor.
Camelot Solar operated at 45.60% capacity factor.
Bigsky Solar operated at 33.66% capacity factor.
Transwind operated at 26.21% 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

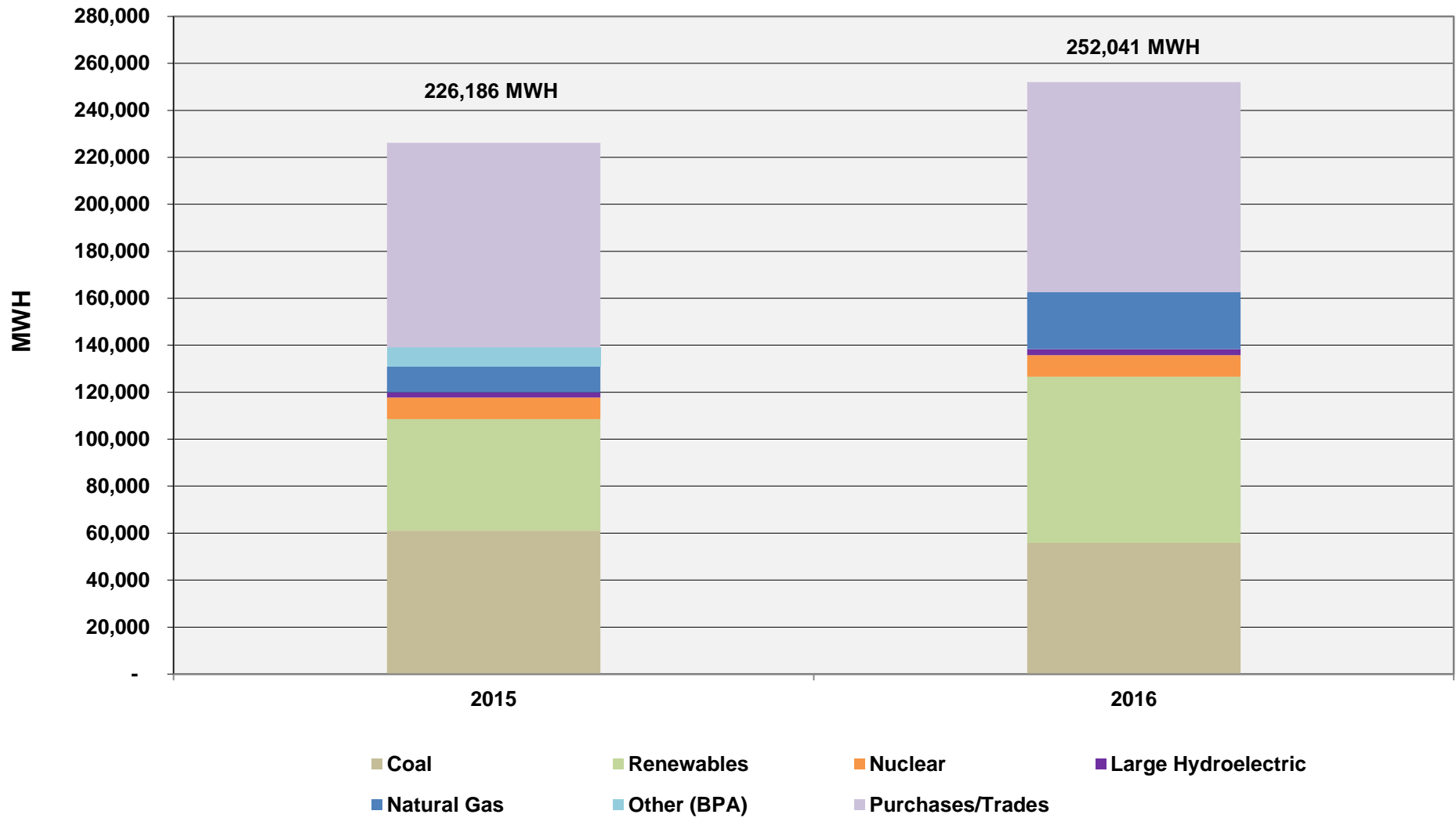


Chart 2
Peak Hour Total Capacity - July

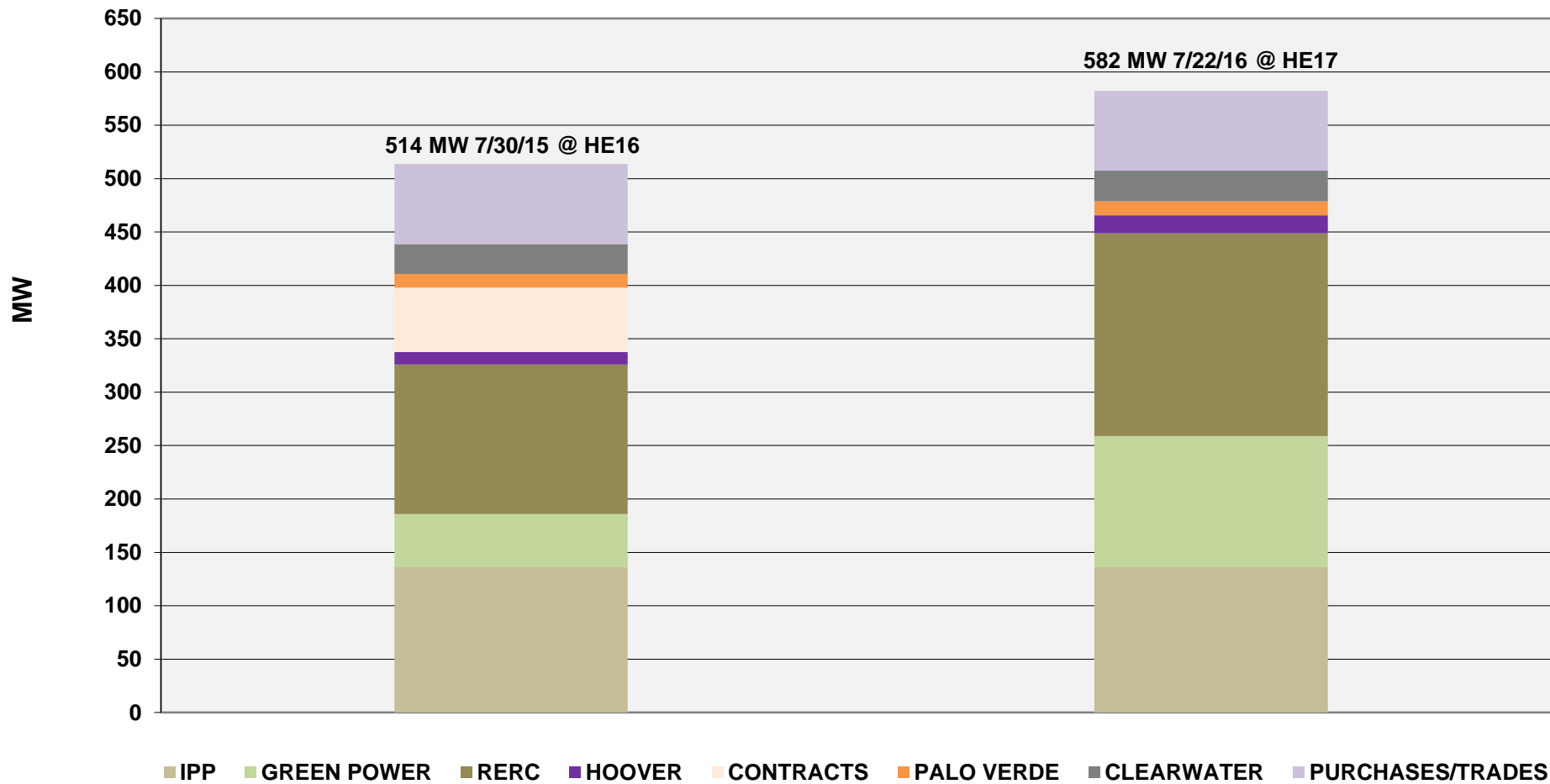


Chart 3
Retail Customer Load - July

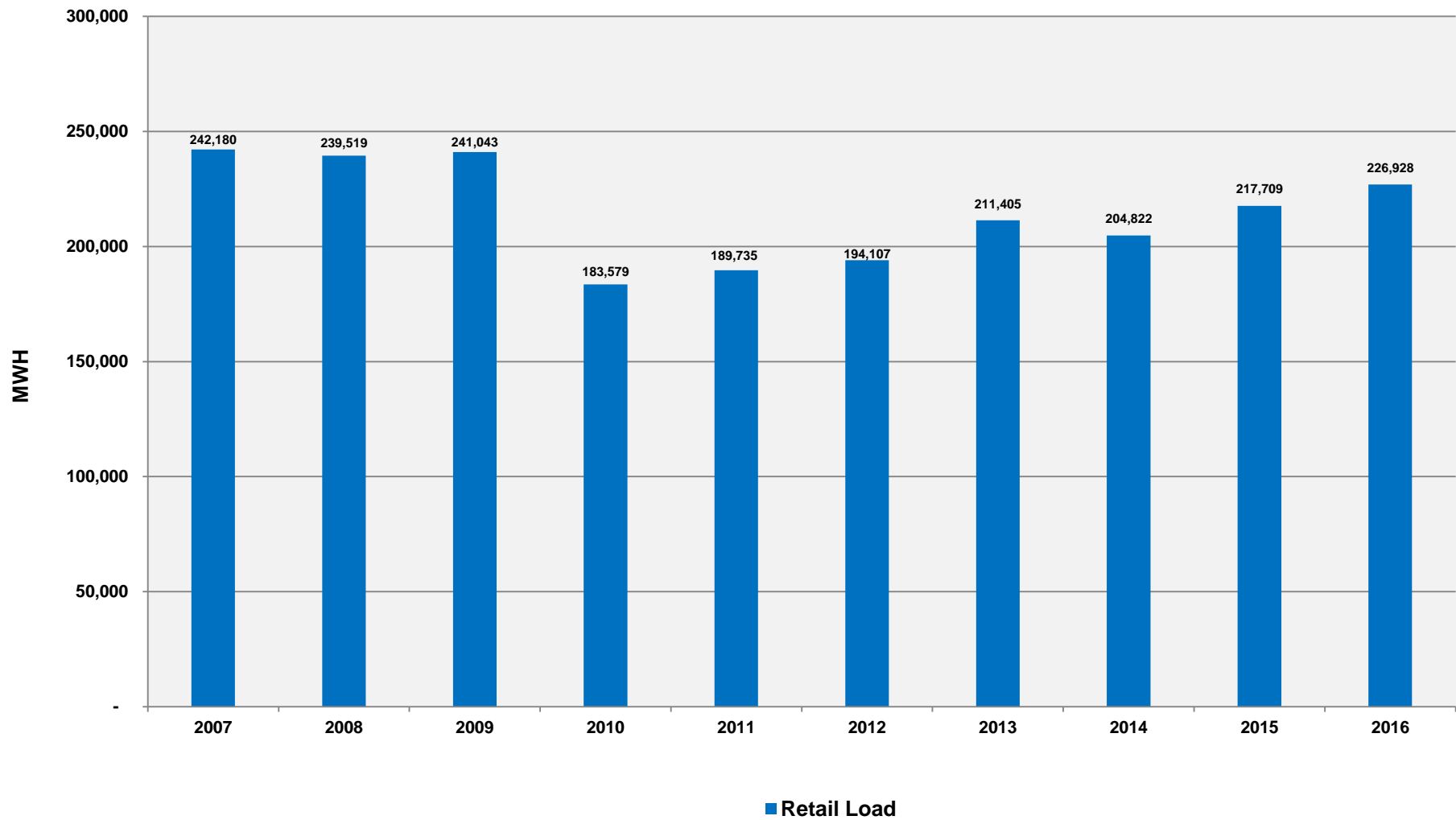


Chart 4
Daily Peak Load and Temperature Comparisons
July

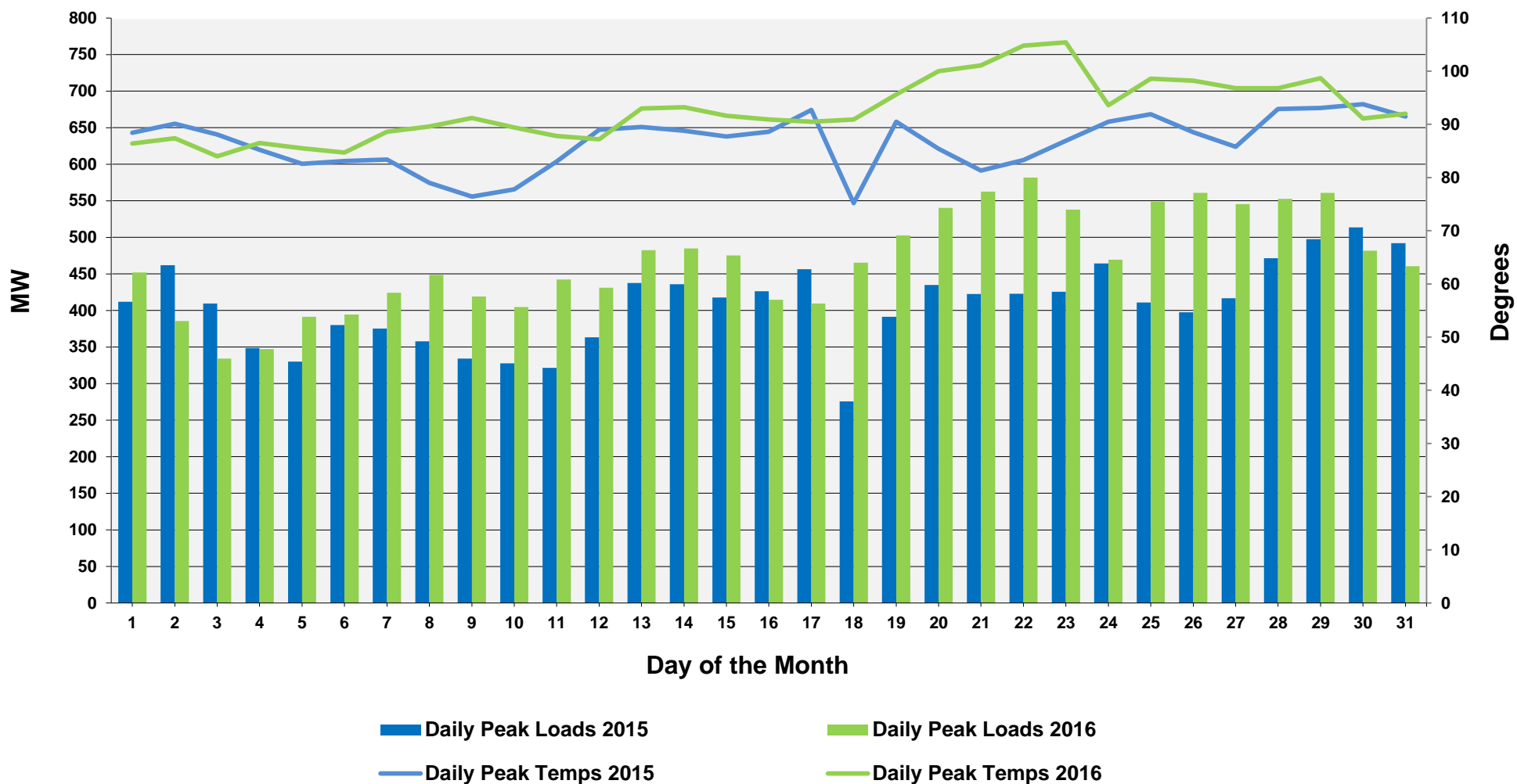


Chart 5
Monthly Peak Load & Temperature

