



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 6, 2016

**GENERAL MANAGERS REPORT
ITEM NO:** 21

SUBJECT: MONTHLY POWER SUPPLY REPORT – April 2016

Power Usage:

Wholesale Load (Vista): – 167,077 MWH (Chart 1)

Peak Demand: – 349 MW of which 182 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	6,792
b) Coal	17,263
c) Large Hydroelectric	3,677
d) Natural Gas	3,927
e) Renewables	48,460
f) Other (BPA)	2,020
g) Inter SC Trades	46,400
h) Green Inter SC Trades	-
i) CAISO Purchases	38,538
Total:	167,077

Total Green Power Supply – **48,460 MWH** which yields 29.00% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 70.22% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 16.94% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 19 MW, with energy entitlement of 3,677 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 86.97% capacity factor for the month.
Vulcan unit operated at 58.48% capacity factor for the month.
Wintec operated at 47.40% capacity factor.
WKN operated at 42.87% capacity factor.
Tequesquite Solar operated at 27.23% capacity factor.
AP North Lake Solar operated at 21.67% capacity factor.
Camelot Solar operated at 37.78% capacity factor.
Transwind operated at 19.42% capacity factor.

The attached graphical comparisons represents RPU's April:

- 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 - April

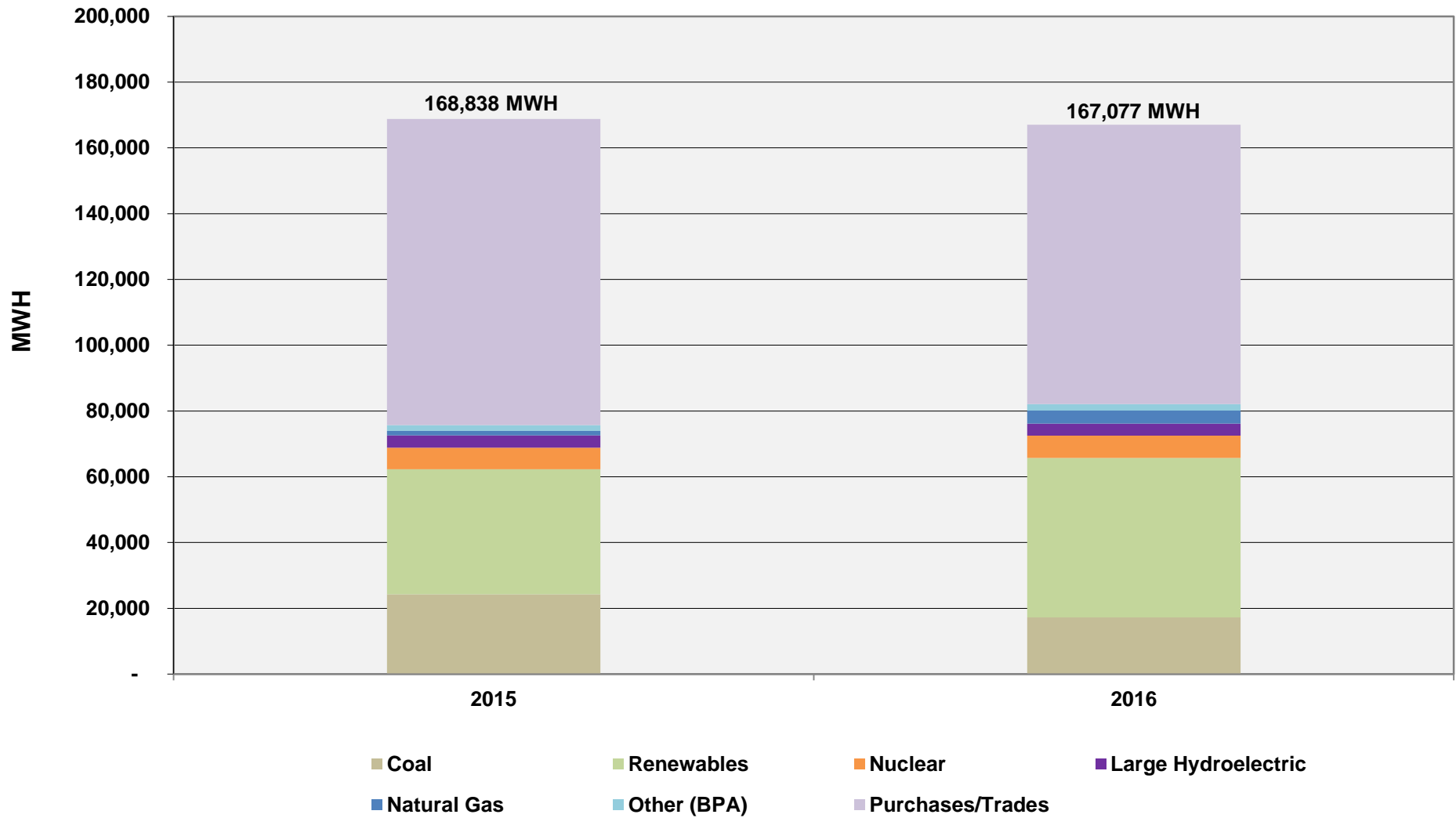


Chart 2
Peak Hour Total Capacity - April

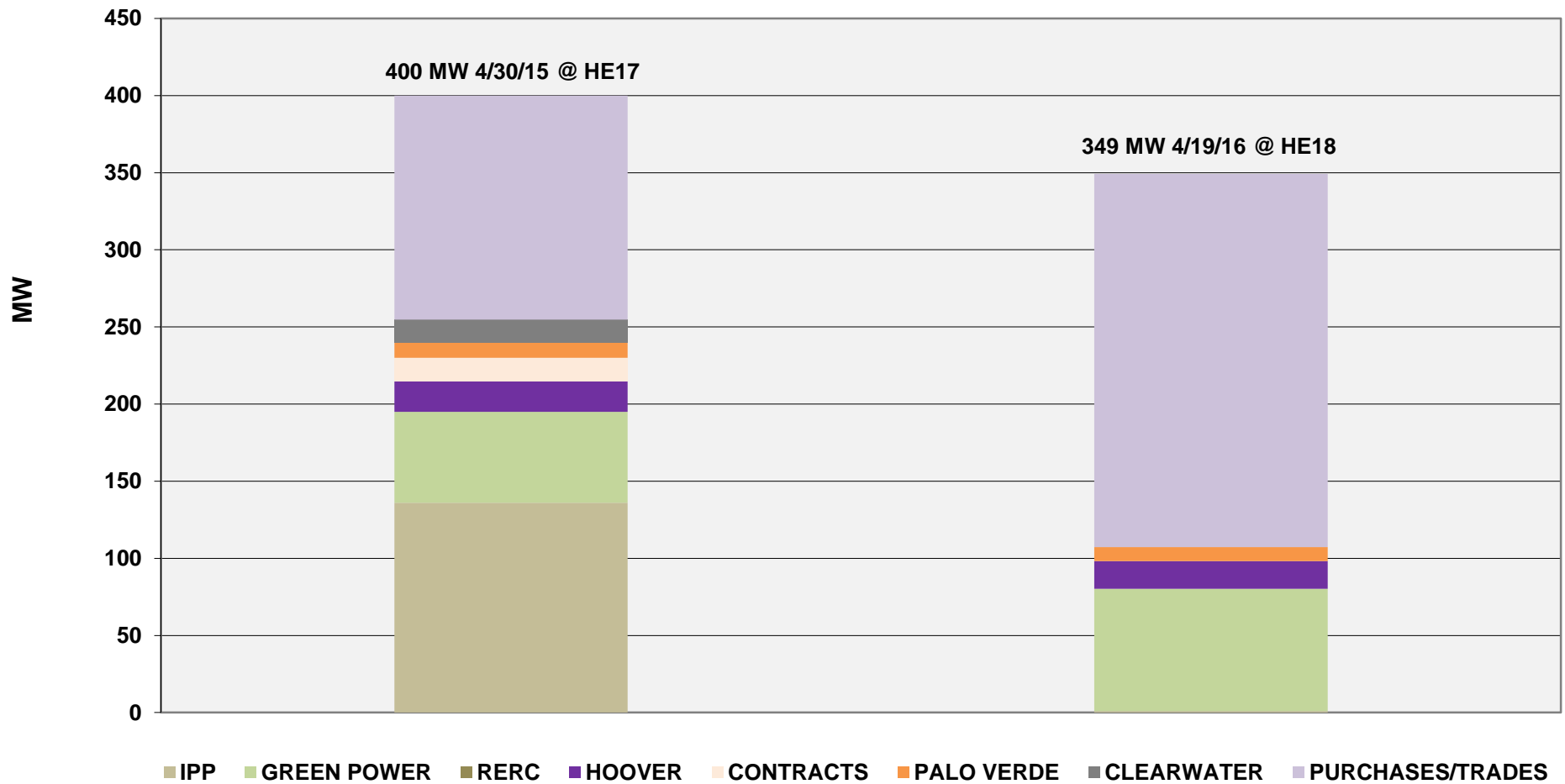


Chart 3
Retail Customer Load - April

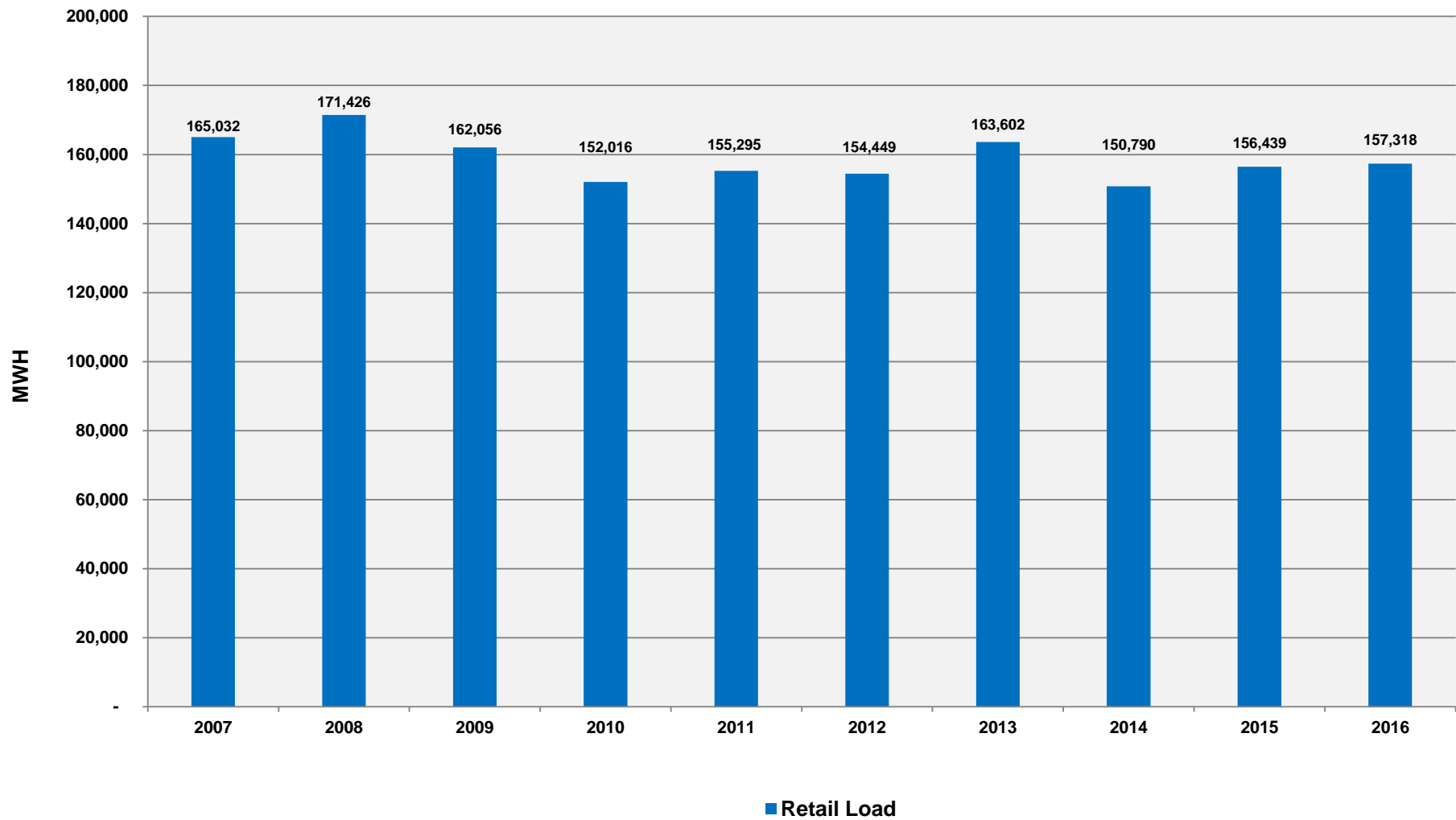


Chart 4
Daily Peak Load and Temperature Comparisons
April

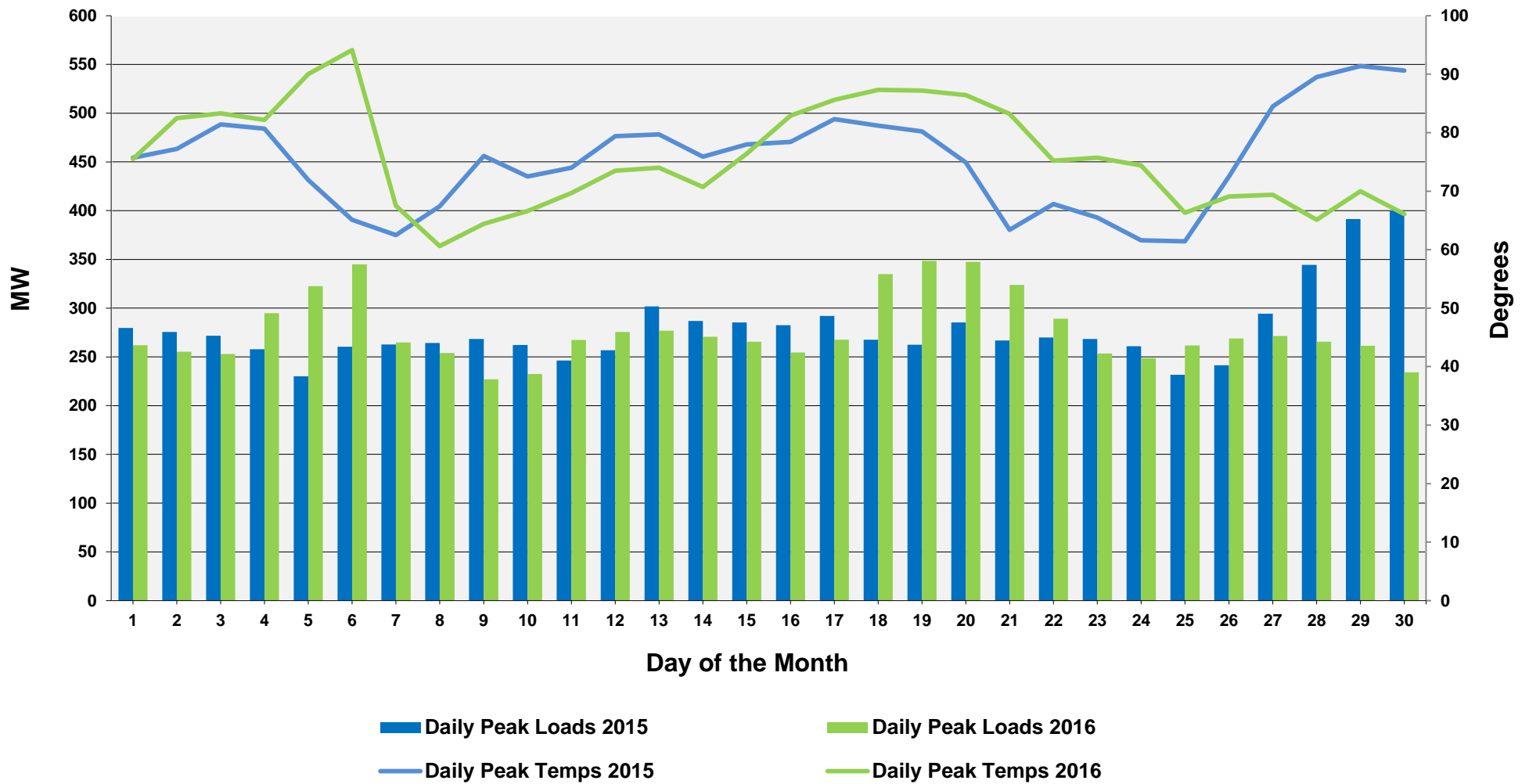


Chart 5
Monthly Peak Load & Temperature

