



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 12, 2017

**GENERAL MANAGERS REPORT
ITEM NO:** 24

SUBJECT: MONTHLY POWER SUPPLY REPORT – April 2017

Power Usage:

Wholesale Load (Vista): – 155,664 MWH (Chart 1)
 Peak Demand: – 318 MW of which 195 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	6,206
b) Coal	19,173
c) Large Hydroelectric	3,281
d) Natural Gas	4,822
e) Renewables	69,409
f) Inter SC Trades	46,010
g) Green Inter SC Trades	-
h) CAISO Purchases	6,703
	6,703
Total:	155,664

Total Green Power Supply – **69,409 MWH** which yields 44.59% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 66.30% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 19.44% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 21 MW, with energy entitlement of 3,281 MWH.

Natural Gas: Clearwater's availability was 100.00% for the month.
 RERC's (Units 1, 2, 3 and 4) availability was 99.63% for the month.
 Springs's (Units 1, 2, 3 and 4) availability was 99.85% for the month.

Renewable: Salton Sea units operated at 88.77% capacity factor for the month.
 Vulcan unit operated at 49.39% capacity factor for the month.
 Wintec operated at 48.19% capacity factor.
 WKN operated at 46.83% capacity factor.
 Transwind operated at 20.31% capacity factor.
 Kingbird Solar operated at 38.42% capacity factor.
 Tequesquite Solar operated at 28.53% capacity factor.
 AP North Lake Solar operated at 30.94% capacity factor.
 Camelot Solar2 operated at 35.46% capacity factor.
 Bigsky Solar1X operated at 37.19% capacity factor.
 Bigsky Solar3 operated at 37.08% capacity factor.
 Bigsky Solar7 operated at 36.97% 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

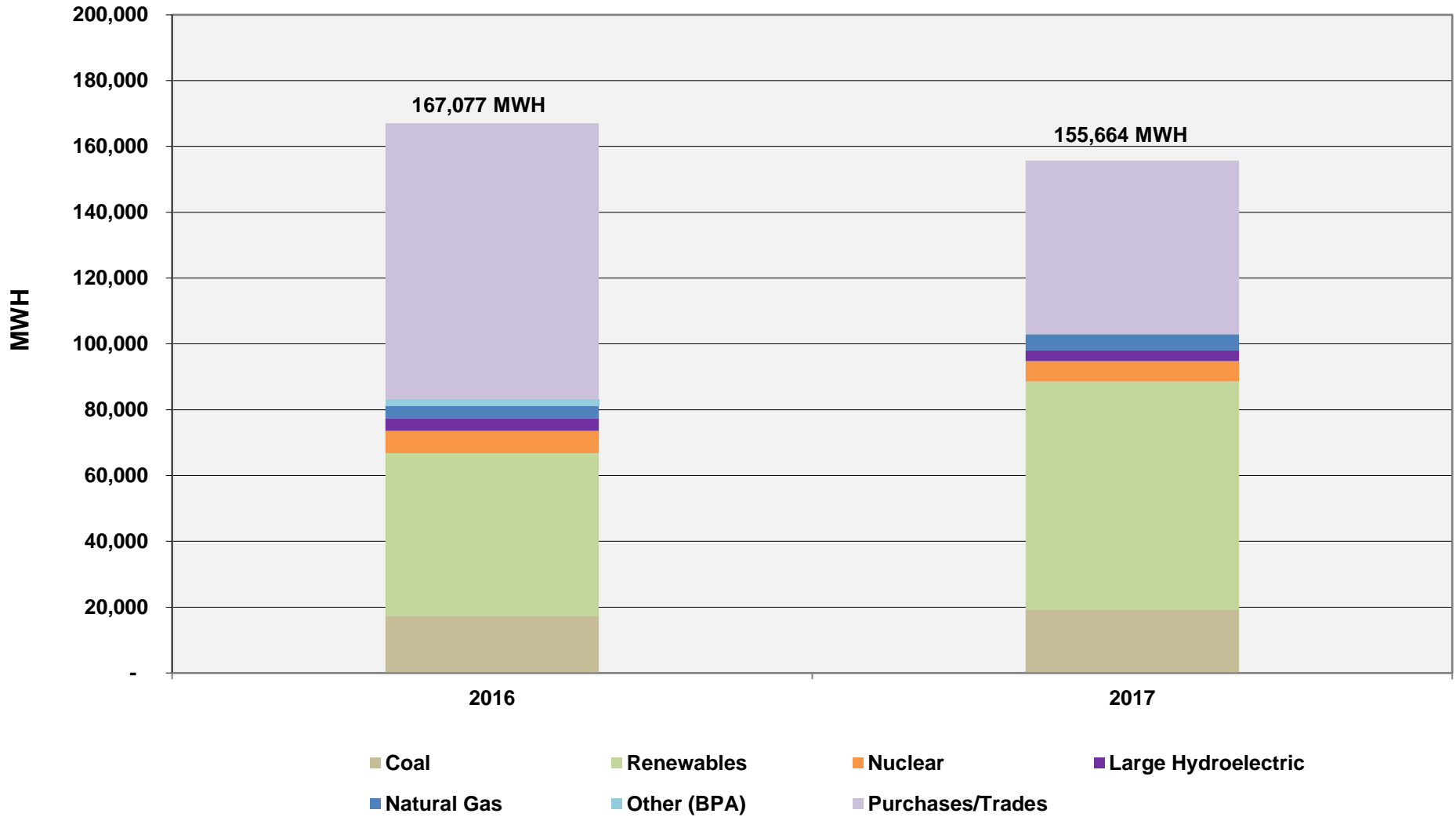


Chart 2
Peak Hour Total Capacity - April

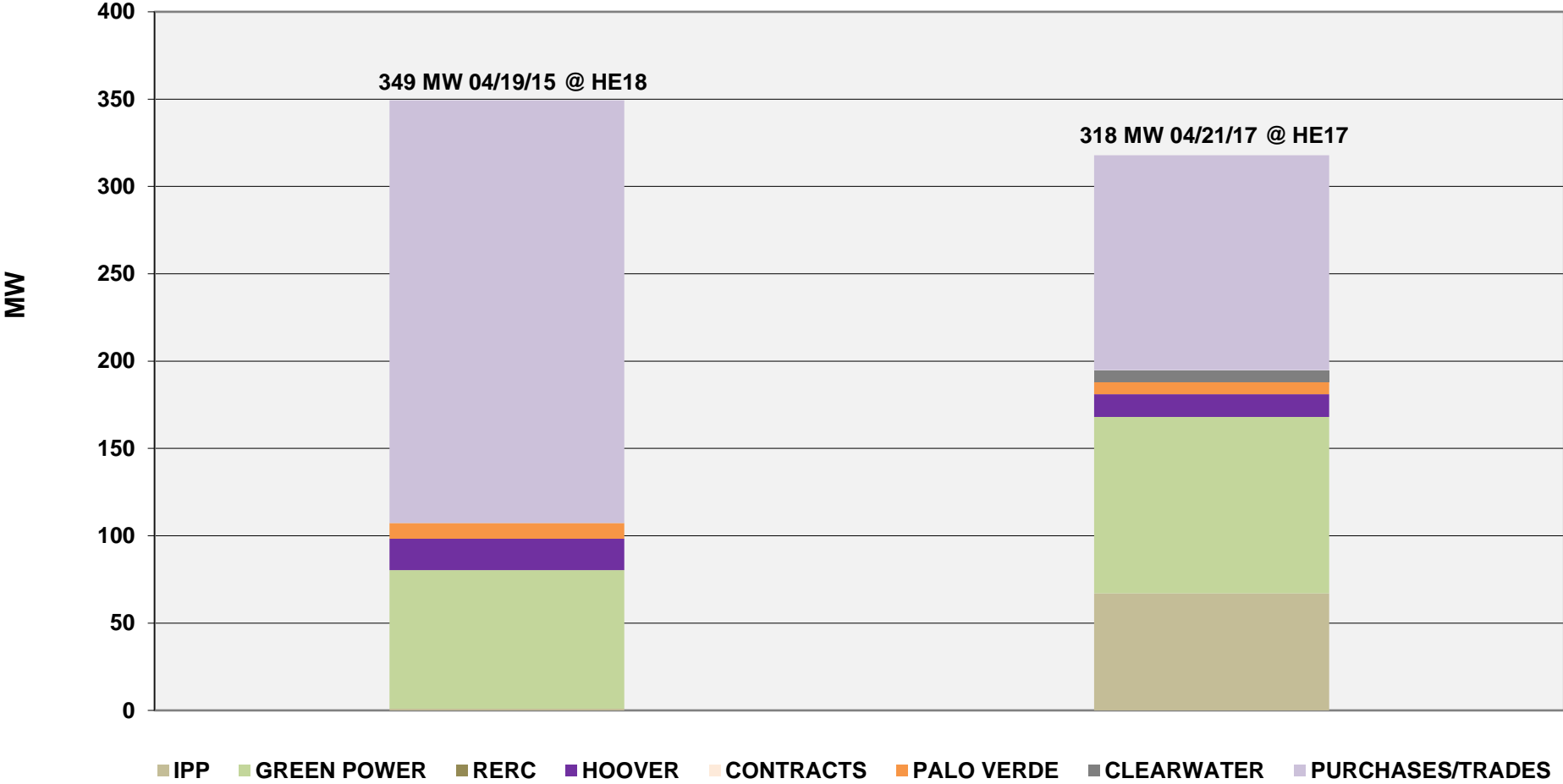


Chart 3
Retail Customer Load - April

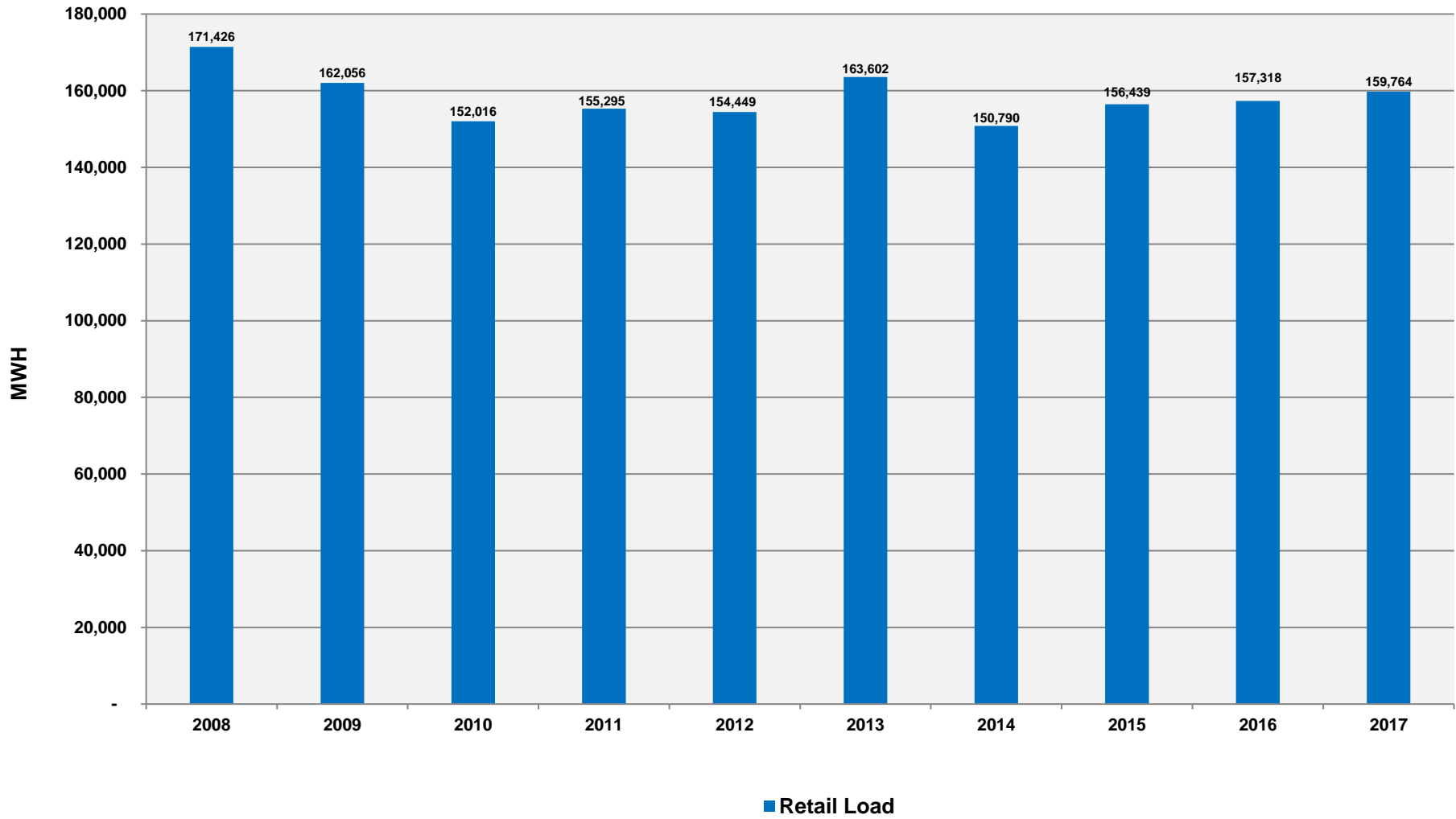


Chart 4
Daily Peak Load and Temperature Comparisons
April

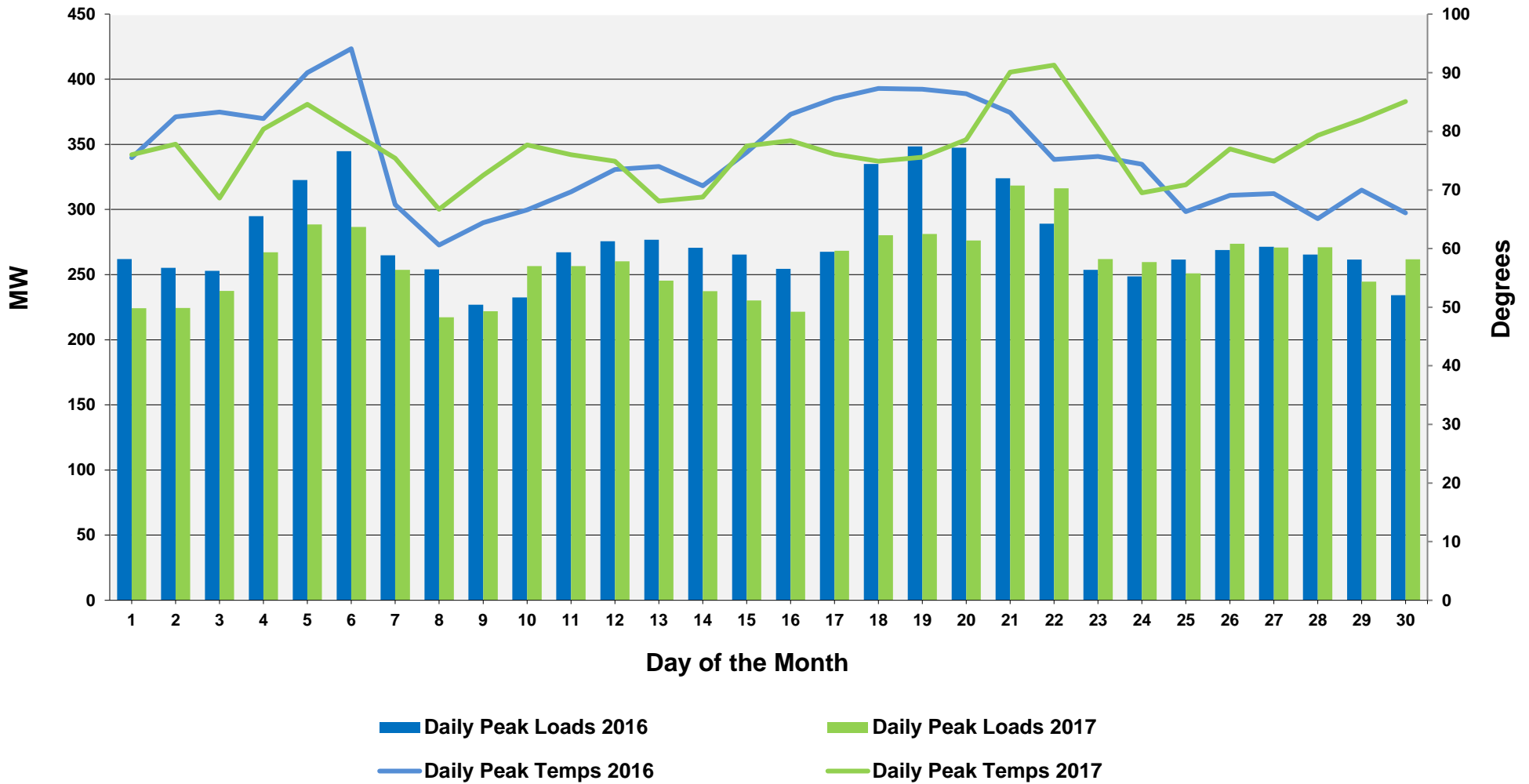


Chart 5 Monthly Peak Load & Temperature

