



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE FEBRUARY 12, 2018

**GENERAL MANAGERS REPORT
ITEM NO: 17**

SUBJECT: MONTHLY POWER SUPPLY REPORT – December, 2017

Power Usage:

Wholesale Load (Vista): – 168,136 MWH (Chart 1)

Peak Demand: – 293 MW of which 273 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,504
b) Coal	45,896
c) Large Hydroelectric	1,895
d) Natural Gas	7,506
e) Renewables	63,964
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	39,371
Total:	168,136

Total Green Power Supply – **63,964 MWH** which yields 38.04% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 98.26% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 45.03% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 19 MW, with energy entitlement of 1,895 MWH.

Natural Gas: Clearwater's availability was 77.28% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 89.13% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 77.55% for the month.

Renewable: Salton Sea units operated at 100.00% capacity factor for the month.
Vulcan unit operated at 92.09% capacity factor for the month.
Wintec operated at 6.18% capacity factor.
WKN operated at 5.26% capacity factor.
Transwind operated at 8.33% capacity factor.
Kingbird Solar operated at 18.63% capacity factor.
Tequesquite Solar operated at 15.03% capacity factor.
AP North Lake Solar operated at 12.75% capacity factor.
Camelot Solar2 operated at 10.58% capacity factor.
Bigsky Solar3 operated at 18.16% capacity factor.
Bigsky Solar7 operated at 15.29% capacity factor.
Bigsky Solar1X operated at 20.21% capacity factor.

The attached graphical comparisons represents RPU's December:

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 - December

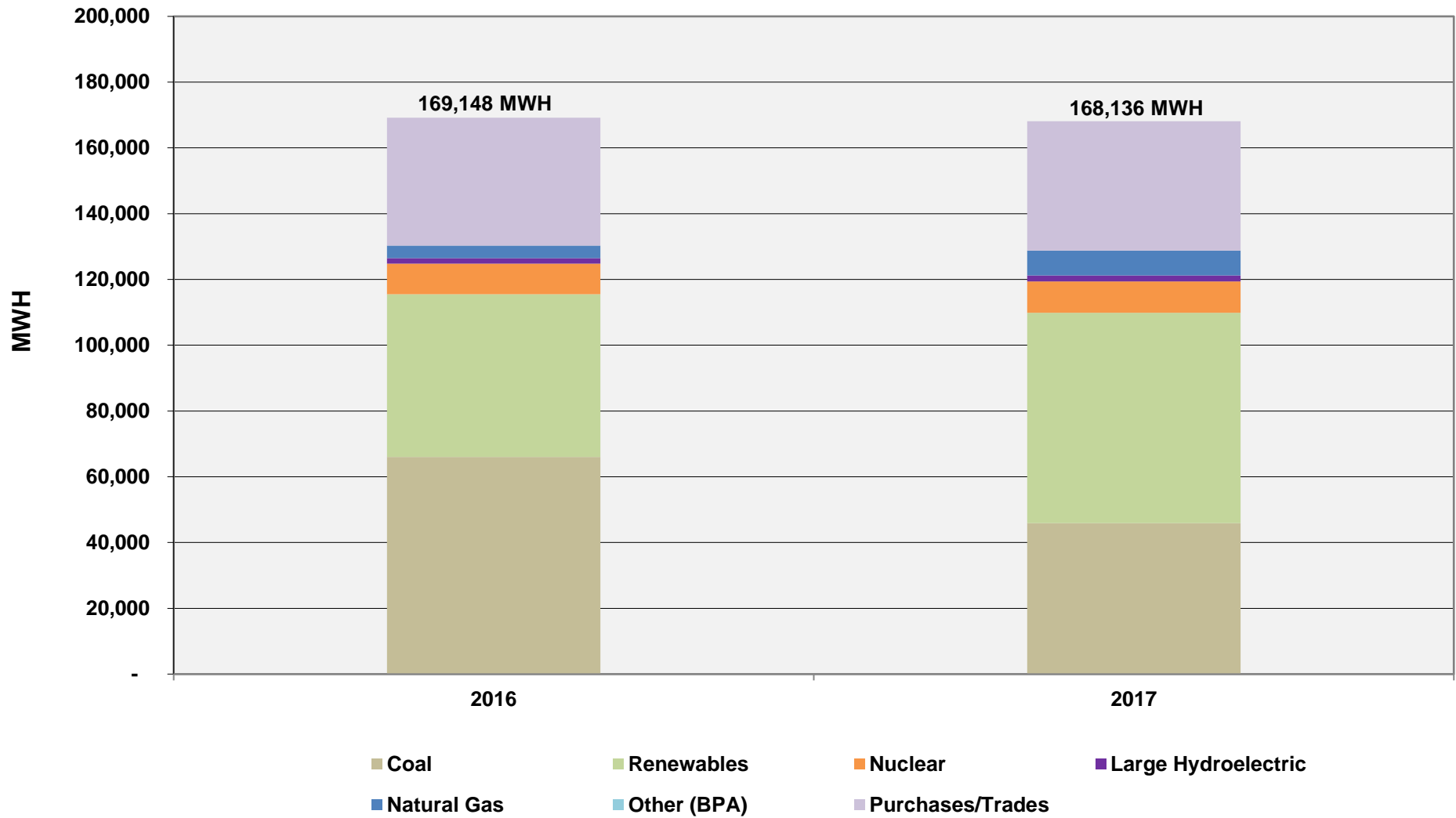


Chart 2
Peak Hour Total Capacity - December

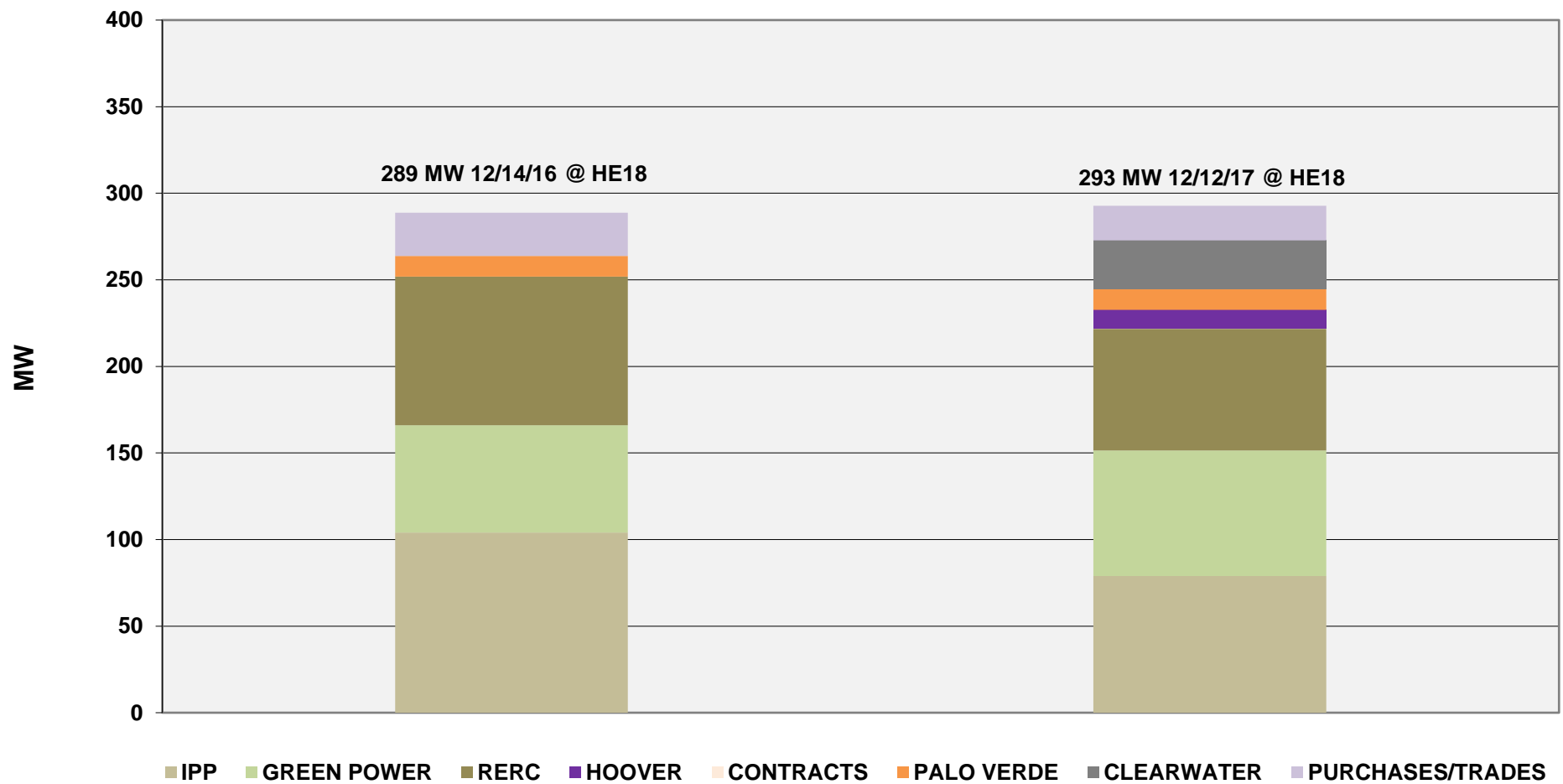


Chart 3
Retail Customer Load - December

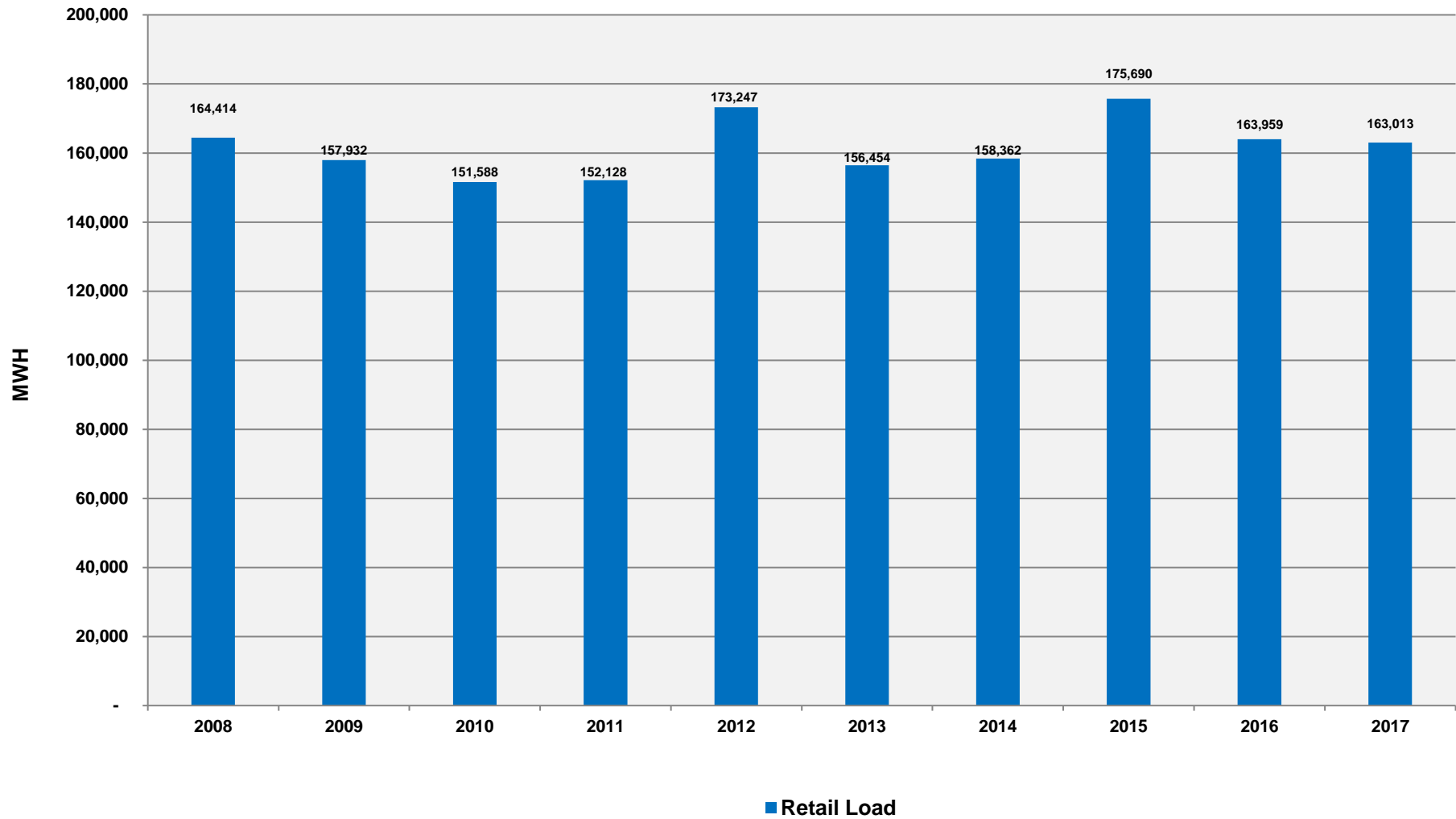


Chart 4
Daily Peak Load and Temperature Comparisons
December

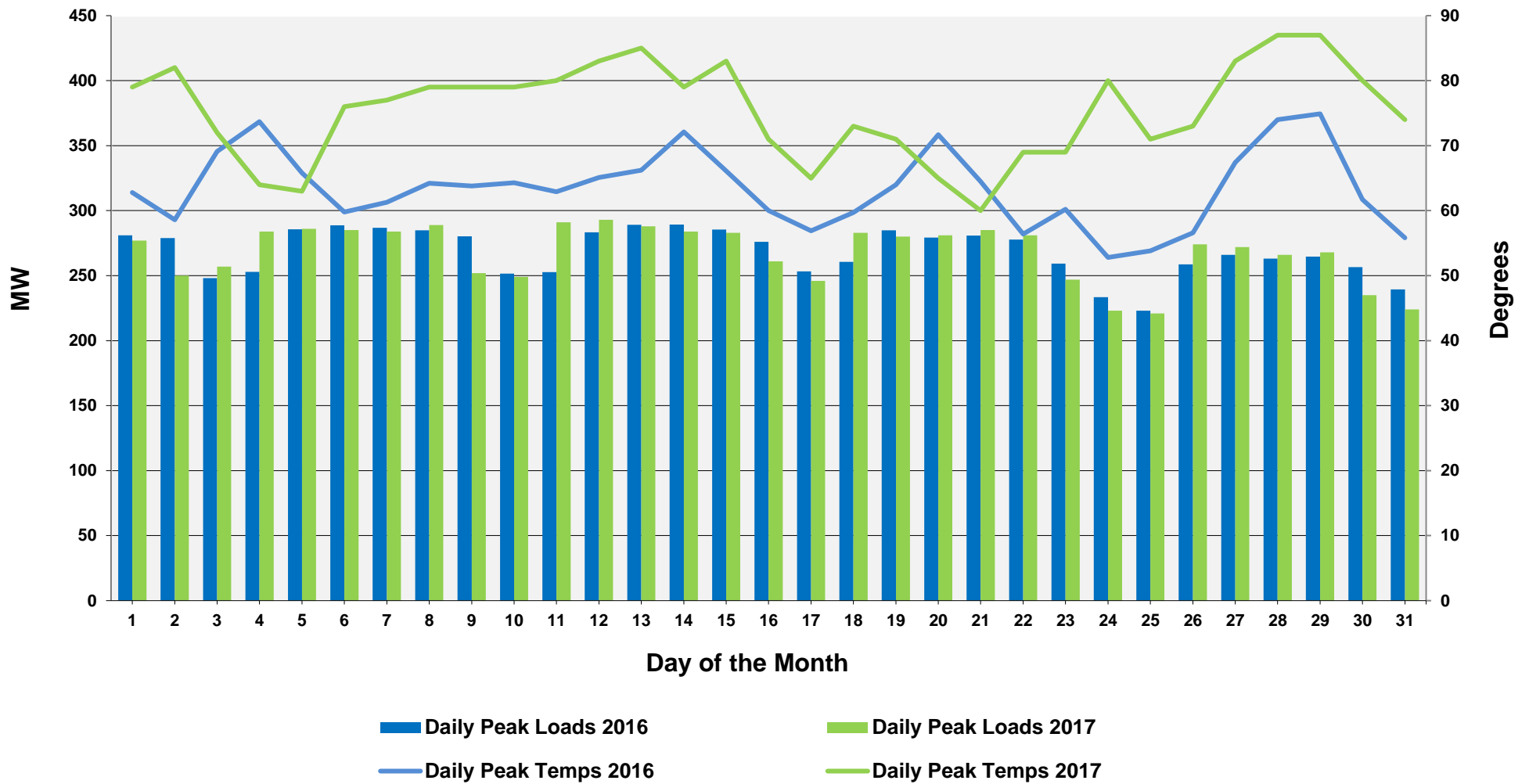


Chart 5
Monthly Peak Load & Temperature

