



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE JUNE 11, 2018

**GENERAL MANAGERS REPORT
ITEM NO: 32**

SUBJECT: MONTHLY POWER SUPPLY REPORT – April, 2018

Power Usage:

Wholesale Load (Vista): – 165,238 MWH (Chart 1)

Peak Demand: – 369 MW of which 258 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	5,999
b) Coal	25,634
c) Large Hydroelectric	3,359
d) Natural Gas	5,801
e) Renewables	77,373
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	47,072
Total:	165,238

Total Green Power Supply – **77,373 MWH** which yields 46.82% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 62.02% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 25.15% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 3,359 MWH.

Natural Gas: Clearwater's availability was 100.00% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 98.72% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 100.00% capacity factor for the month.
Vulcan unit operated at 61.30% capacity factor for the month.
Wintec operated at 48.65% capacity factor.
WKN operated at 54.62% capacity factor.
Transwind operated at 19.30% capacity factor.
Kingbird Solar operated at 38.91% capacity factor.
Tequesquite Solar operated at 27.15% capacity factor.
AP North Lake Solar operated at 29.65% capacity factor.
Camelot Solar2 operated at 28.90% capacity factor.
Bigsky Solar3 operated at 36.97% capacity factor.
Bigsky Solar7 operated at 36.12% capacity factor.
Bigsky Solar1X operated at 37.73% 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

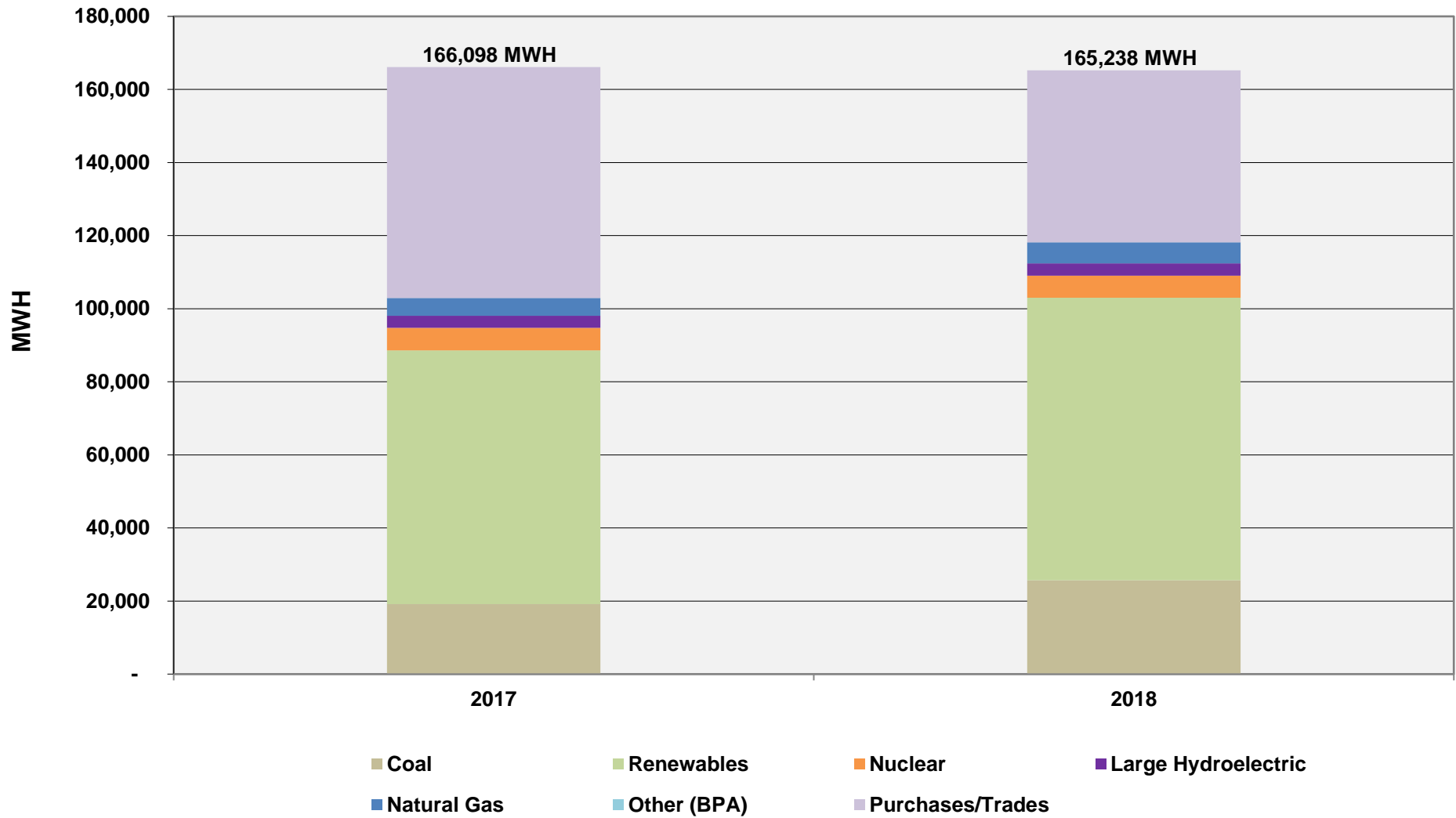


Chart 2
Peak Hour Total Capacity - April

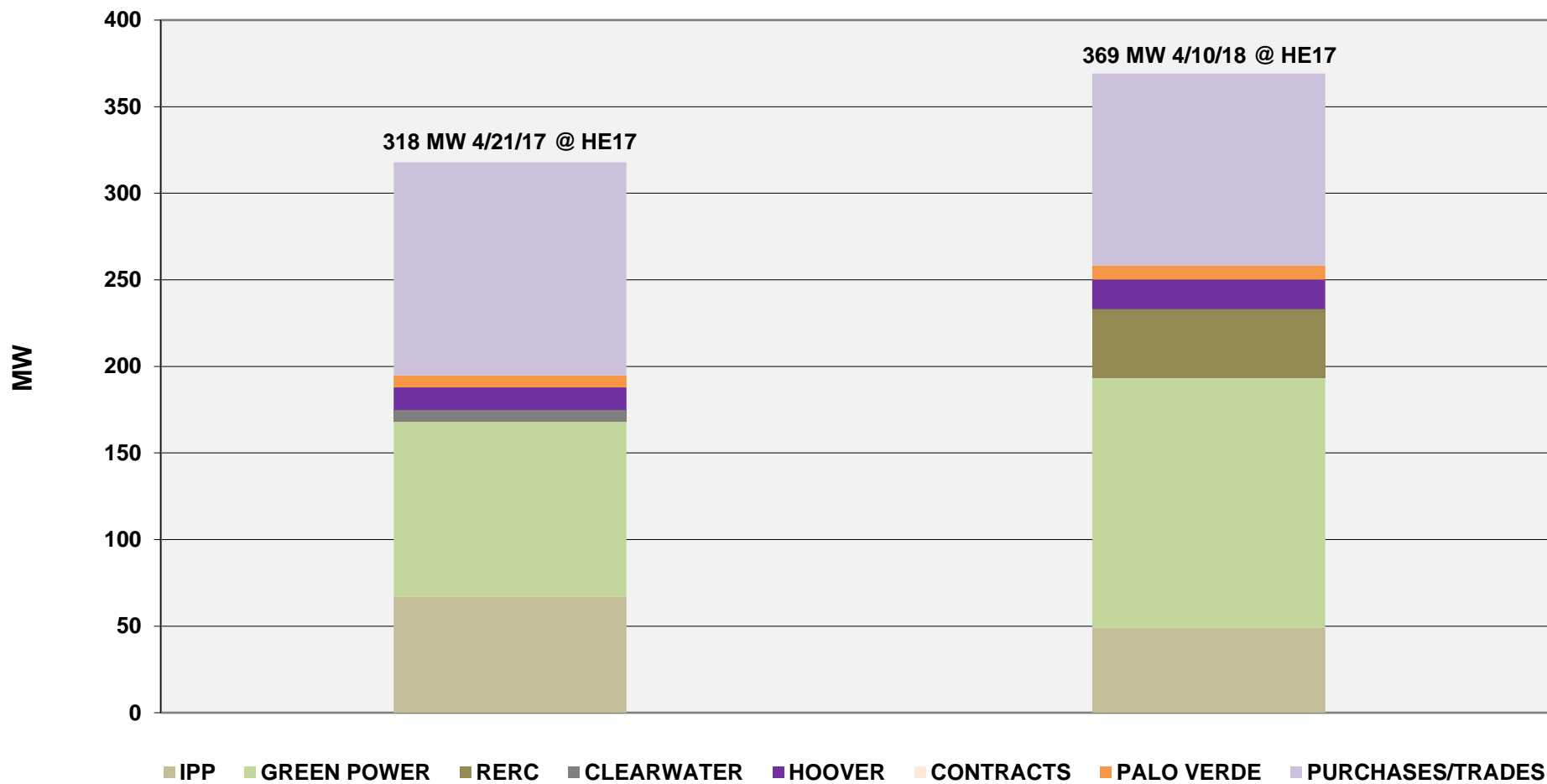


Chart 3
Retail Customer Load - April

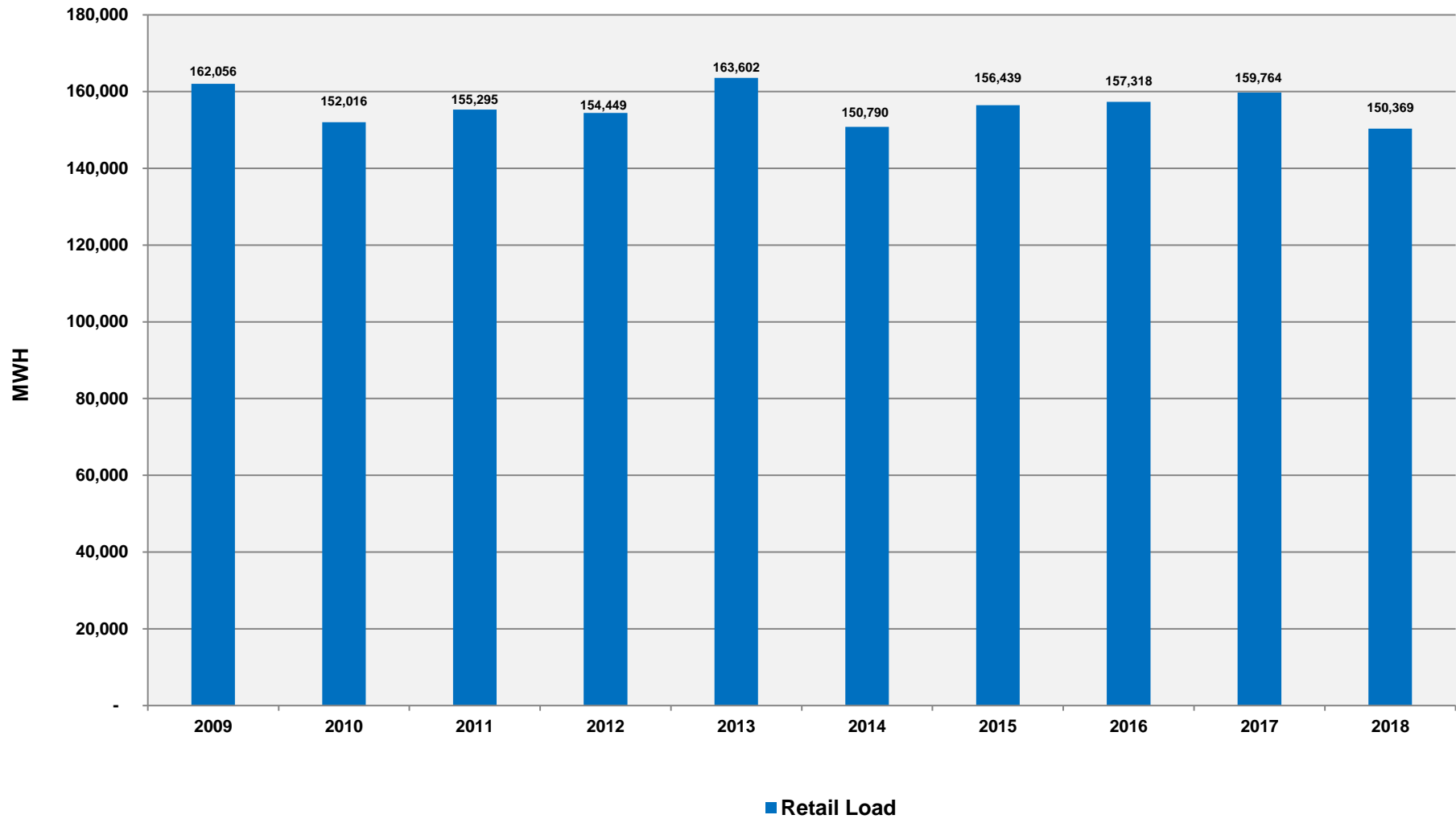


Chart 4
Daily Peak Load and Temperature Comparisons
April

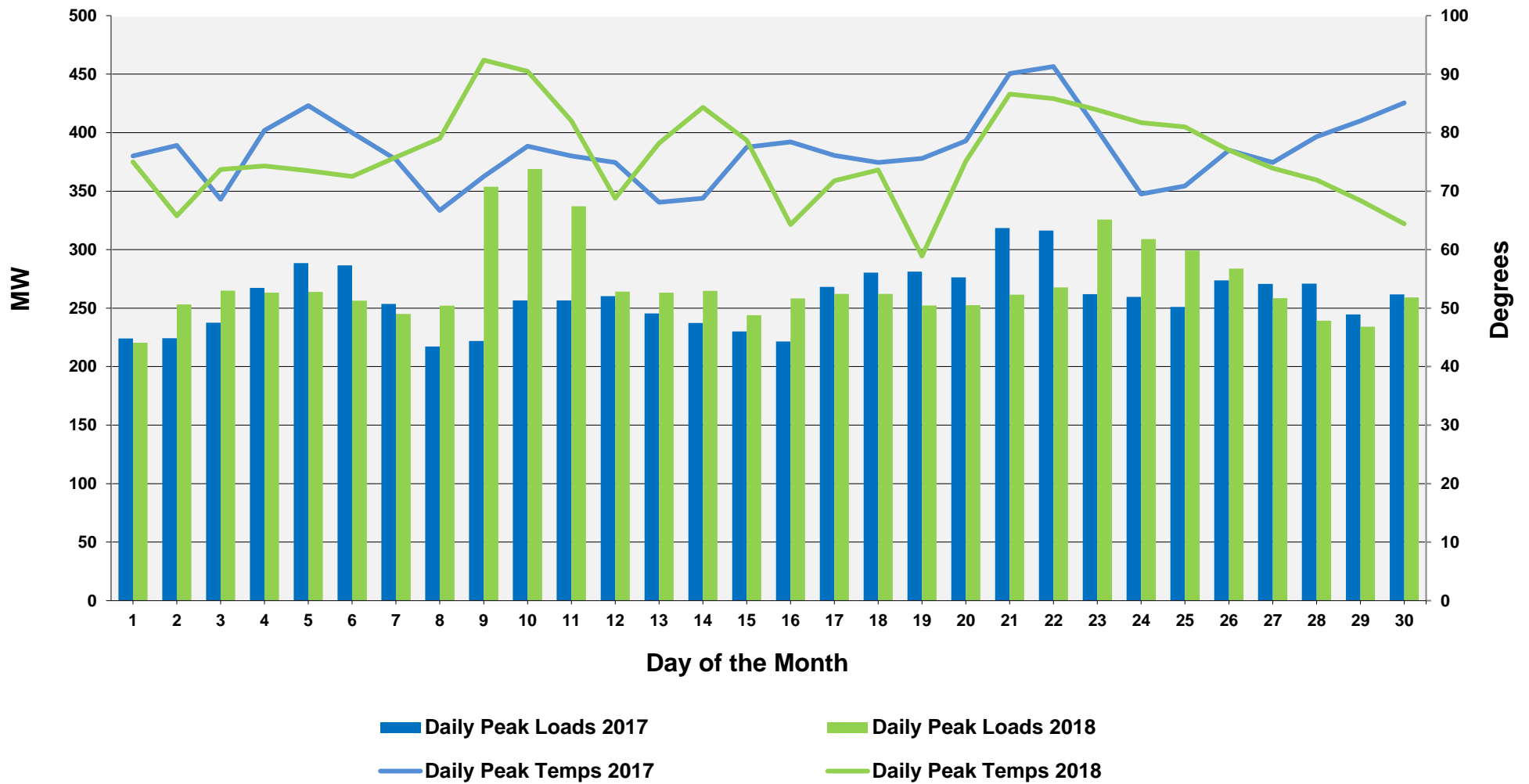


Chart 5
Monthly Peak Load & Temperature

