



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE JANUARY 14, 2019

**GENERAL MANAGERS REPORT
ITEM NO:**

SUBJECT: MONTHLY POWER SUPPLY REPORT – November, 2018

Power Usage:

Wholesale Load (Vista): – 162,580 MWH (Chart 1)

Peak Demand: – 324 MW of which 302 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	6,311
b) Coal	71,426
c) Large Hydroelectric	2,327
d) Natural Gas	1,419
e) Renewables	57,122
f) Inter SC Trades	8,450
g) Green Inter SC Trades	-
h) CAISO Purchases	15,525
Total:	162,580

Total Green Power Supply – **57,122 MWH** which yields 35.13% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 67.43% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 72.41% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,327 MWH.

Natural Gas: Clearwater's availability was 100.00% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 50.20% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 80.79% capacity factor for the month.
Vulcan unit operated at 83.15% capacity factor for the month.
Wintec operated at 16.05% capacity factor.
WKN operated at 5.01% capacity factor.
Transwind operated at 14.420% capacity factor.
Kingbird Solar operated at 22.33% capacity factor.
Tequesquite Solar operated at 16.60% capacity factor.
AP North Lake Solar operated at 18.23% capacity factor.
Camelot Solar2 operated at 20.28% capacity factor.
Bigsky Solar3 operated at 22.34% capacity factor.
Bigsky Solar7 operated at 18.92% capacity factor.
Bigsky Solar1X operated at 21.66% capacity factor.

The attached graphical comparisons represents RPU's November:

- 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 - November

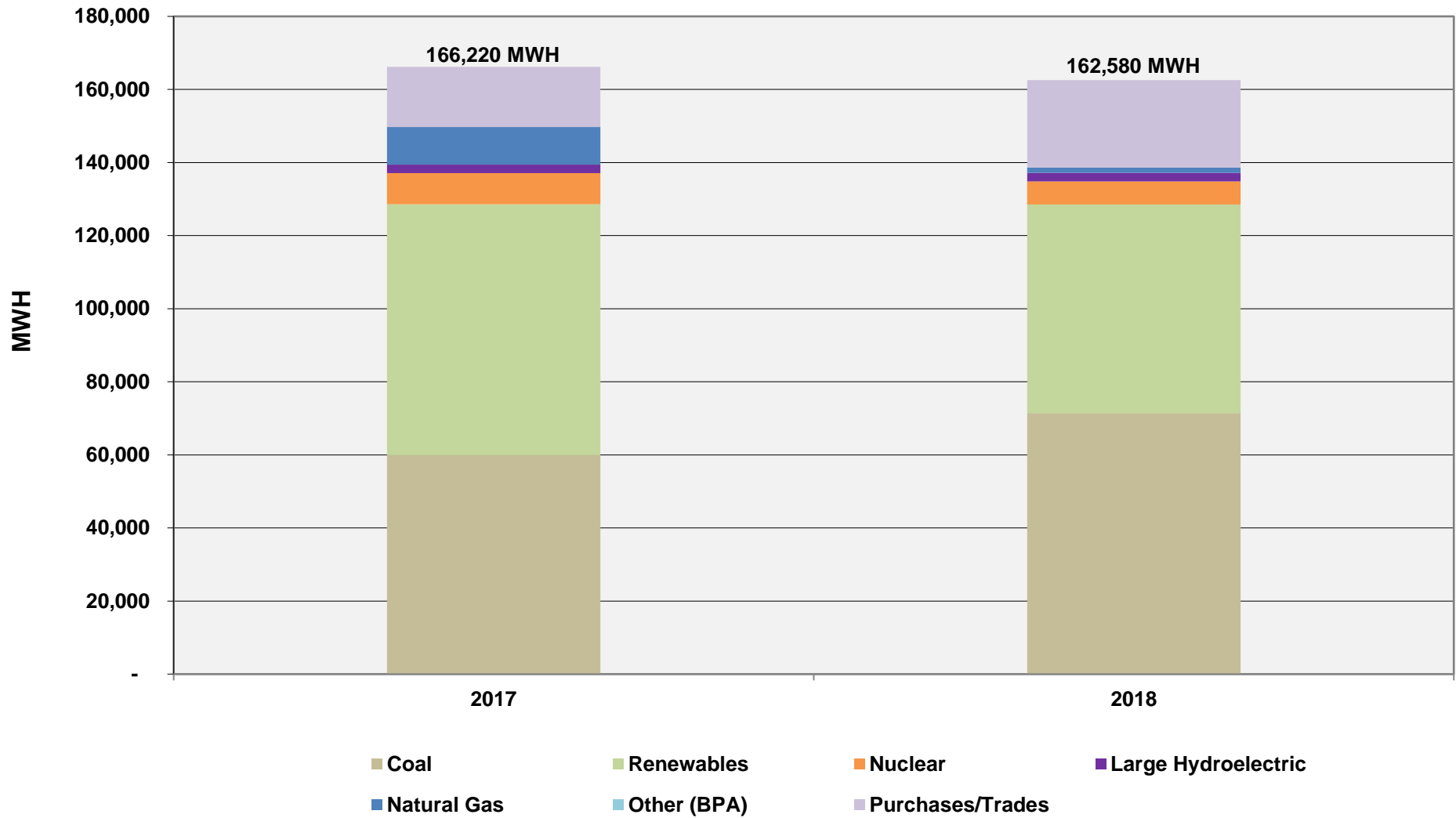


Chart 2
Peak Hour Total Capacity - November

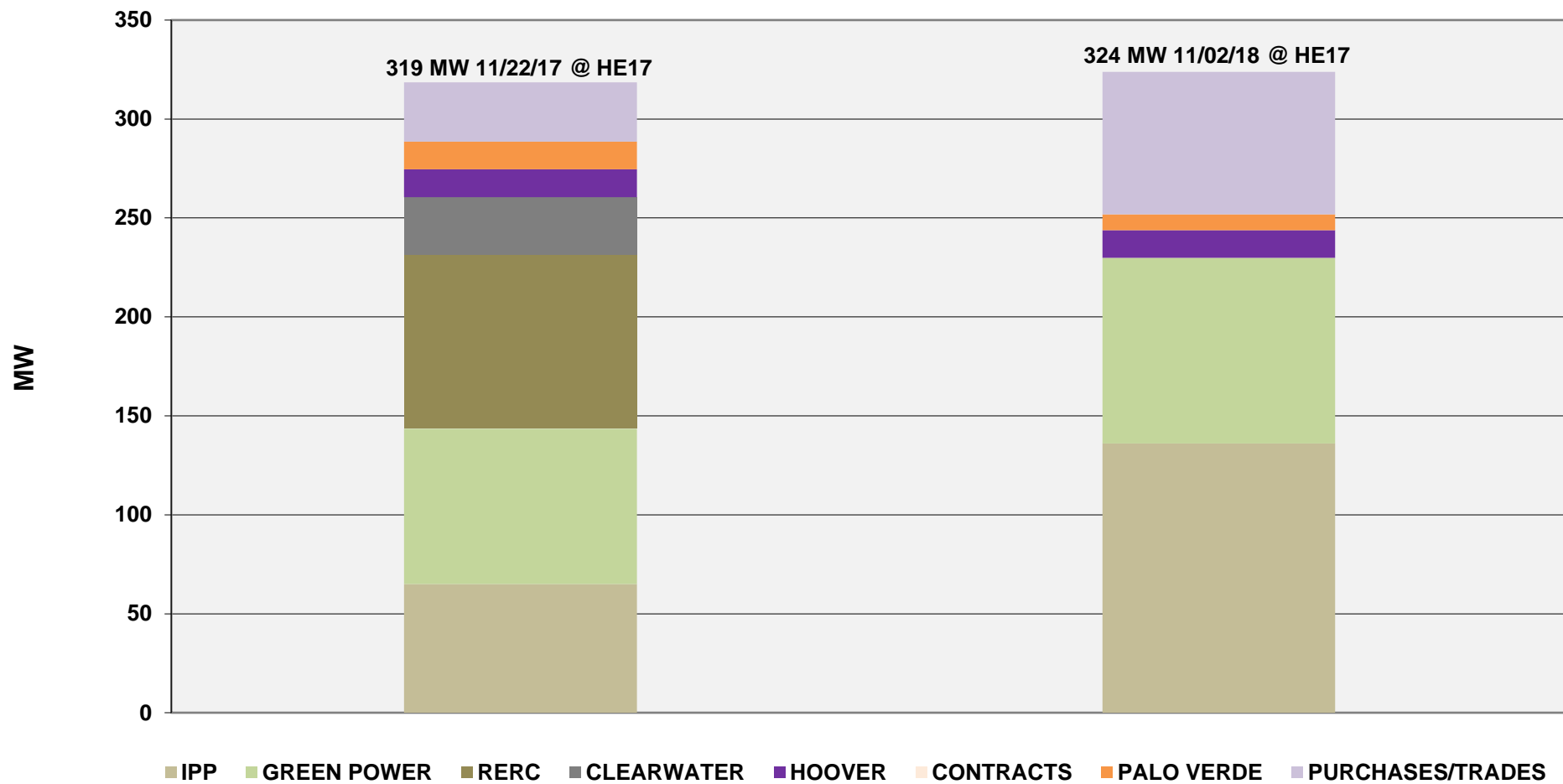


Chart 3
Retail Customer Load - November

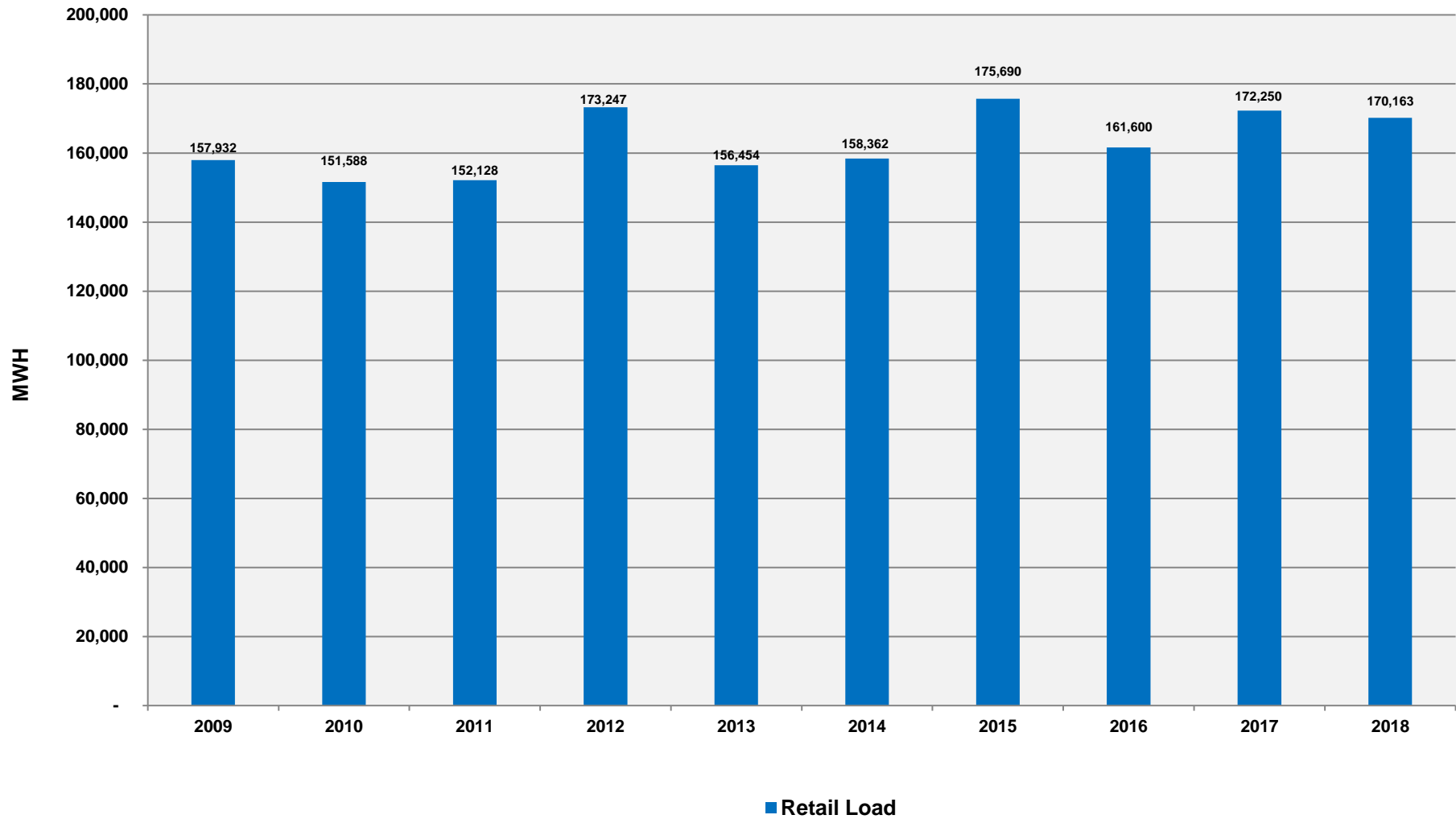


Chart 4
Daily Peak Load and Temperature Comparisons
November

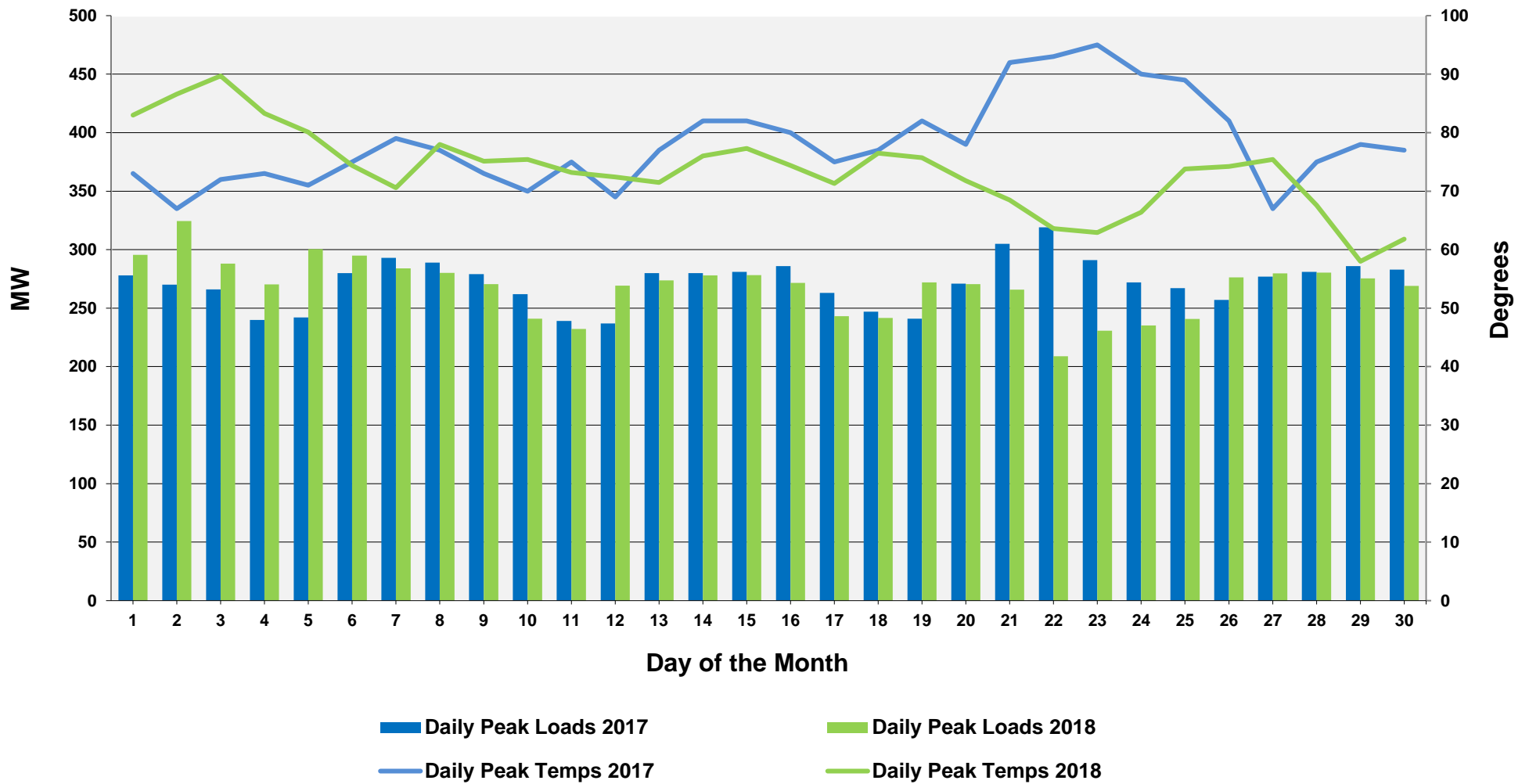


Chart 5
Monthly Peak Load & Temperature

