



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE FEBRUARY 11, 2019

**GENERAL MANAGERS REPORT
ITEM NO:**

SUBJECT: MONTHLY POWER SUPPLY REPORT – December, 2018

Power Usage:

Wholesale Load (Vista): – 165,874 MWH (Chart 1)

Peak Demand: – 294 MW of which 275 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,457
b) Coal	84,112
c) Large Hydroelectric	1,509
d) Natural Gas	2,548
e) Renewables	57,148
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	12,100
Total:	165,874

Total Green Power Supply – **57,148 MWH** which yields 34.45% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 87.54% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 82.52% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 1,509 MWH.

Natural Gas: Clearwater's availability was 52.55% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 99.87% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 77.28% for the month.

Renewable: Salton Sea units operated at 89.84% capacity factor for the month.
Vulcan unit operated at 84.85% capacity factor for the month.
Wintec operated at 9.46% capacity factor.
WKN operated at .25% capacity factor.
Transwind operated at 7.09% capacity factor.
Kingbird Solar operated at 18.46% capacity factor.
Tequesquite Solar operated at 14.55% capacity factor.
AP North Lake Solar operated at 15.66% capacity factor.
Camelot Solar2 operated at 11.72% capacity factor.
Bigsky Solar3 operated at 18.28% capacity factor.
Bigsky Solar7 operated at 15.77% capacity factor.
Bigsky Solar1X operated at 17.27% 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

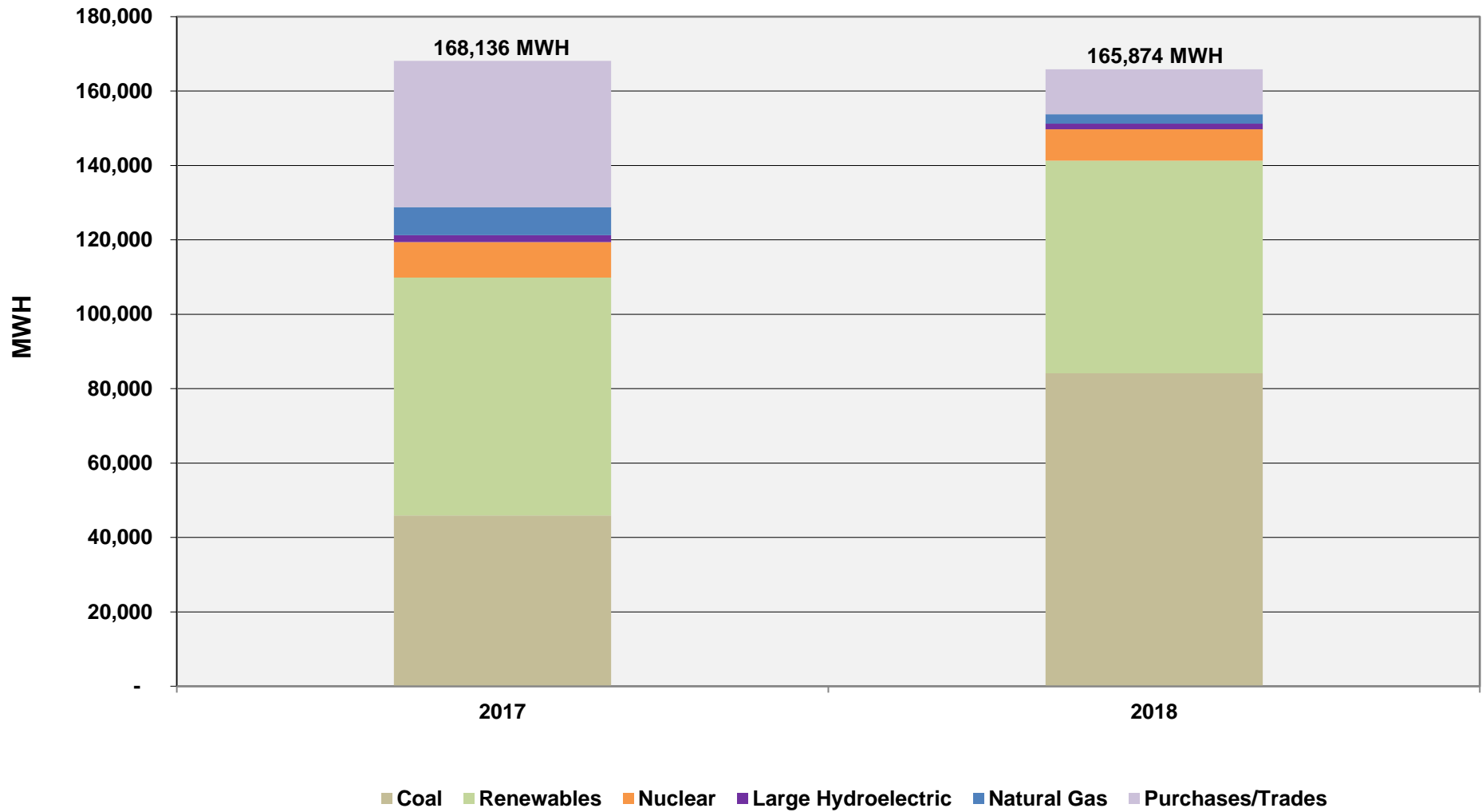


Chart 2
Peak Hour Total Capacity - December

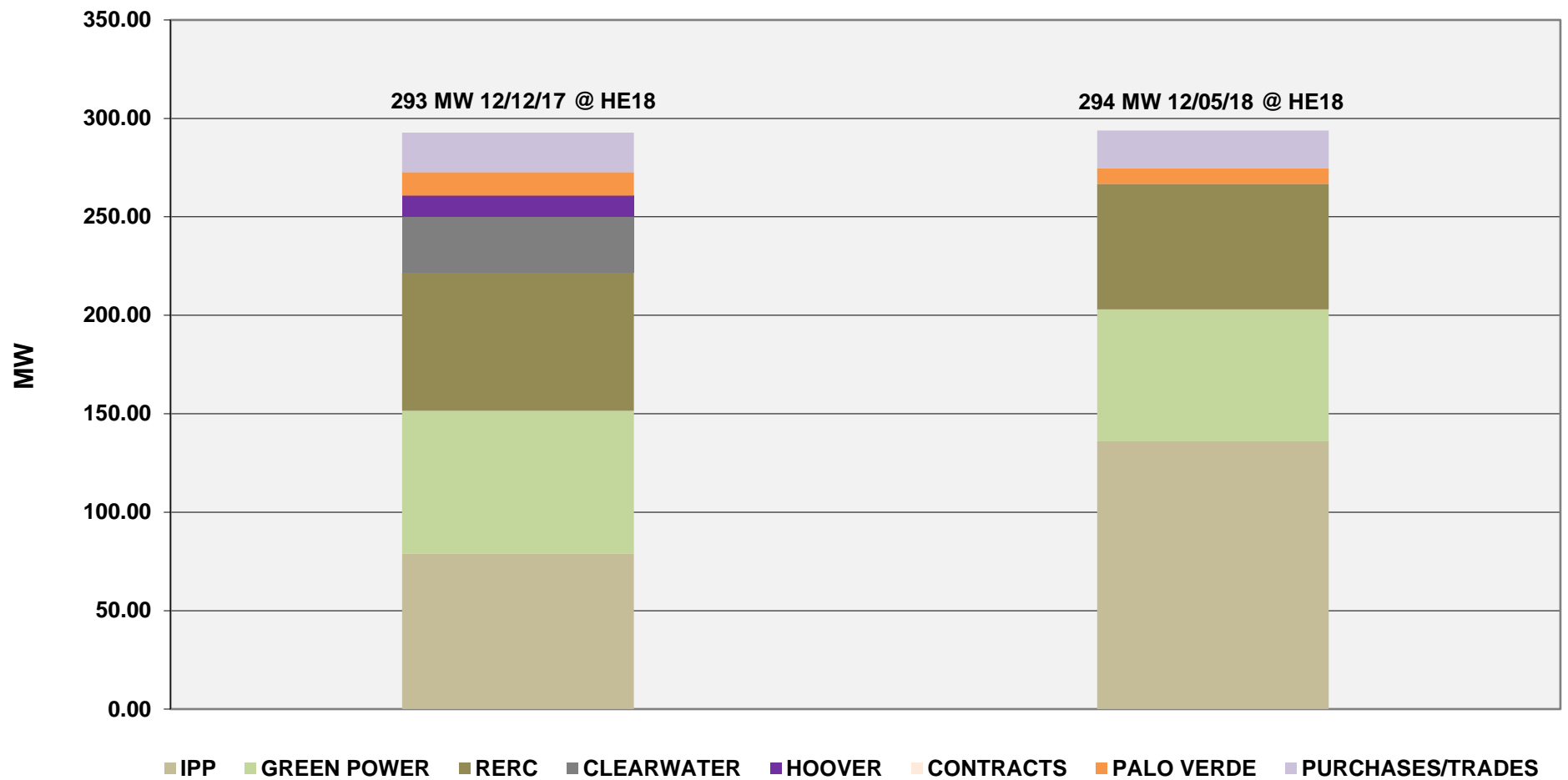


Chart 3
Retail Customer Load - December

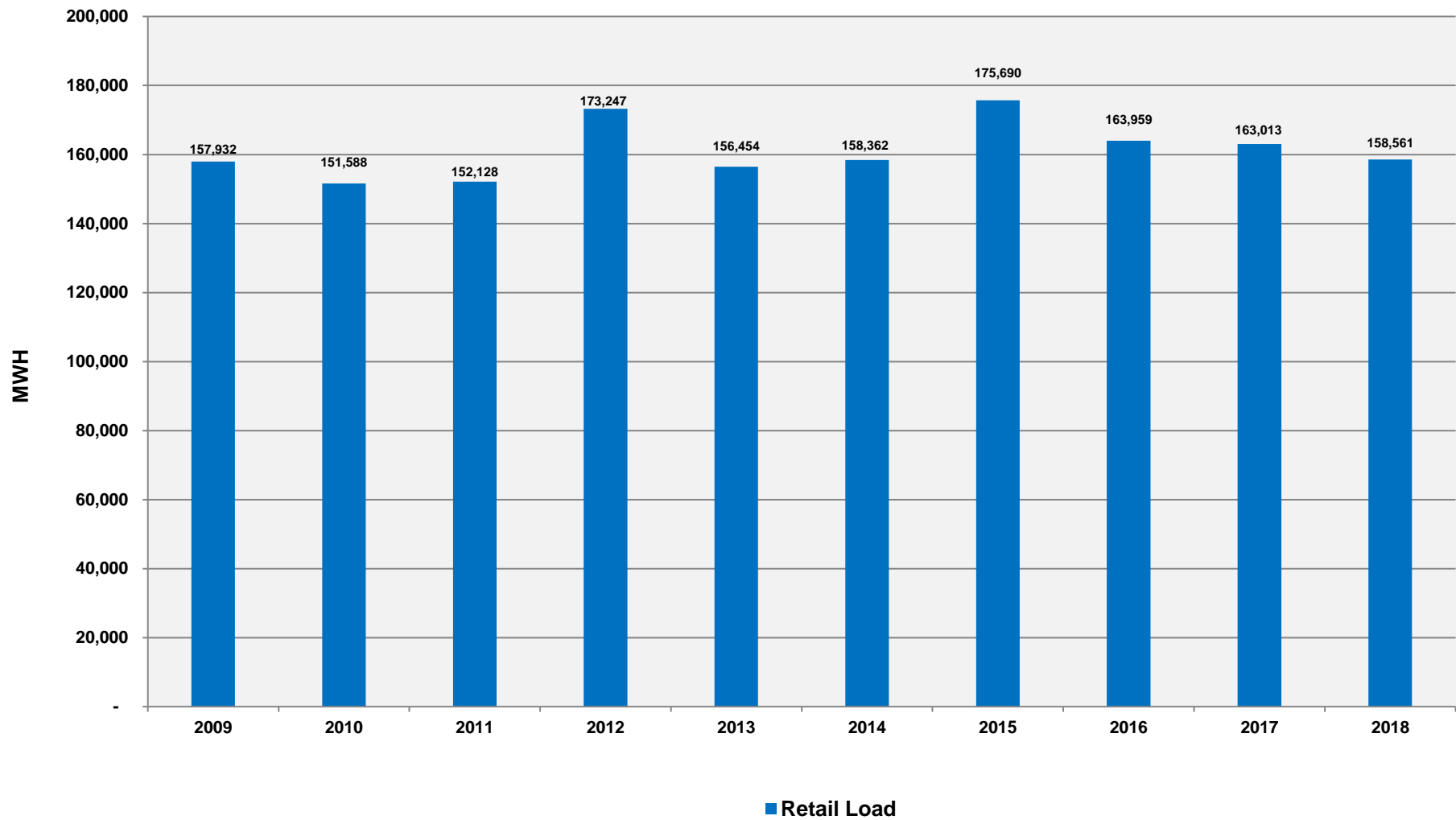


Chart 4
Daily Peak Load and Temperature Comparisons
December

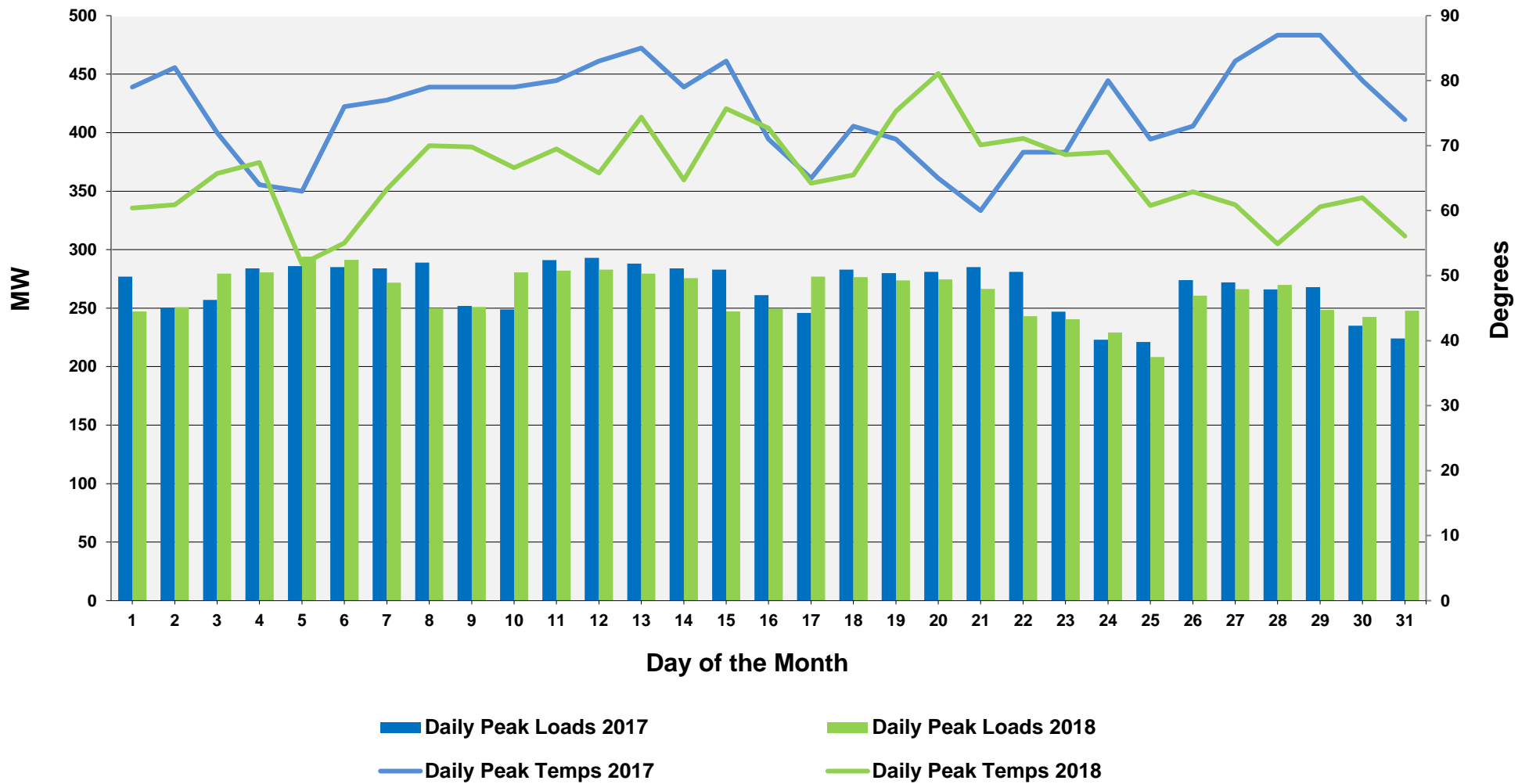


Chart 5
Monthly Peak Load & Temperature

