



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE APRIL 9, 2018

**GENERAL MANAGERS REPORT
ITEM NO: 15**

SUBJECT: MONTHLY POWER SUPPLY REPORT – February, 2018

Power Usage:

Wholesale Load (Vista): – 150,422 MWH (Chart 1)
Peak Demand: – 282 MW of which 175 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,088
b) Coal	46,692
c) Large Hydroelectric	2,377
d) Natural Gas	4,786
e) Renewables	35,604
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	52,875
Total:	150,422

Total Green Power Supply – **35,604 MWH** which yields 23.67% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 92.58% capacity factor for the month.
Coal: IPP units 1 and 2 operated at 50.72% capacity factor for the month.
Large Hydro: Hoover, RVSD's capacity entitlement was 18 MW, with energy entitlement of 2,377 MWH.
Natural Gas: Clearwater's availability was 99.55% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 97.71% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.
Renewable: Salton Sea units operated at 14.99% capacity factor for the month.
Vulcan unit operated at 71.82% capacity factor for the month.
Wintec operated at 22.56% capacity factor.
WKN operated at 19.59% capacity factor.
Transwind operated at 11.77% capacity factor.
Kingbird Solar operated at 30.32% capacity factor.
Tequesquite Solar operated at 21.31% capacity factor.
AP North Lake Solar operated at 23.80% capacity factor.
Camelot Solar2 operated at 21.97% capacity factor.
Bigsky Solar3 operated at 29.70% capacity factor.
Bigsky Solar7 operated at 26.58% capacity factor.
Bigsky Solar1X operated at 29.94% capacity factor.

The attached graphical comparisons represents RPU's February:

- 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 - February

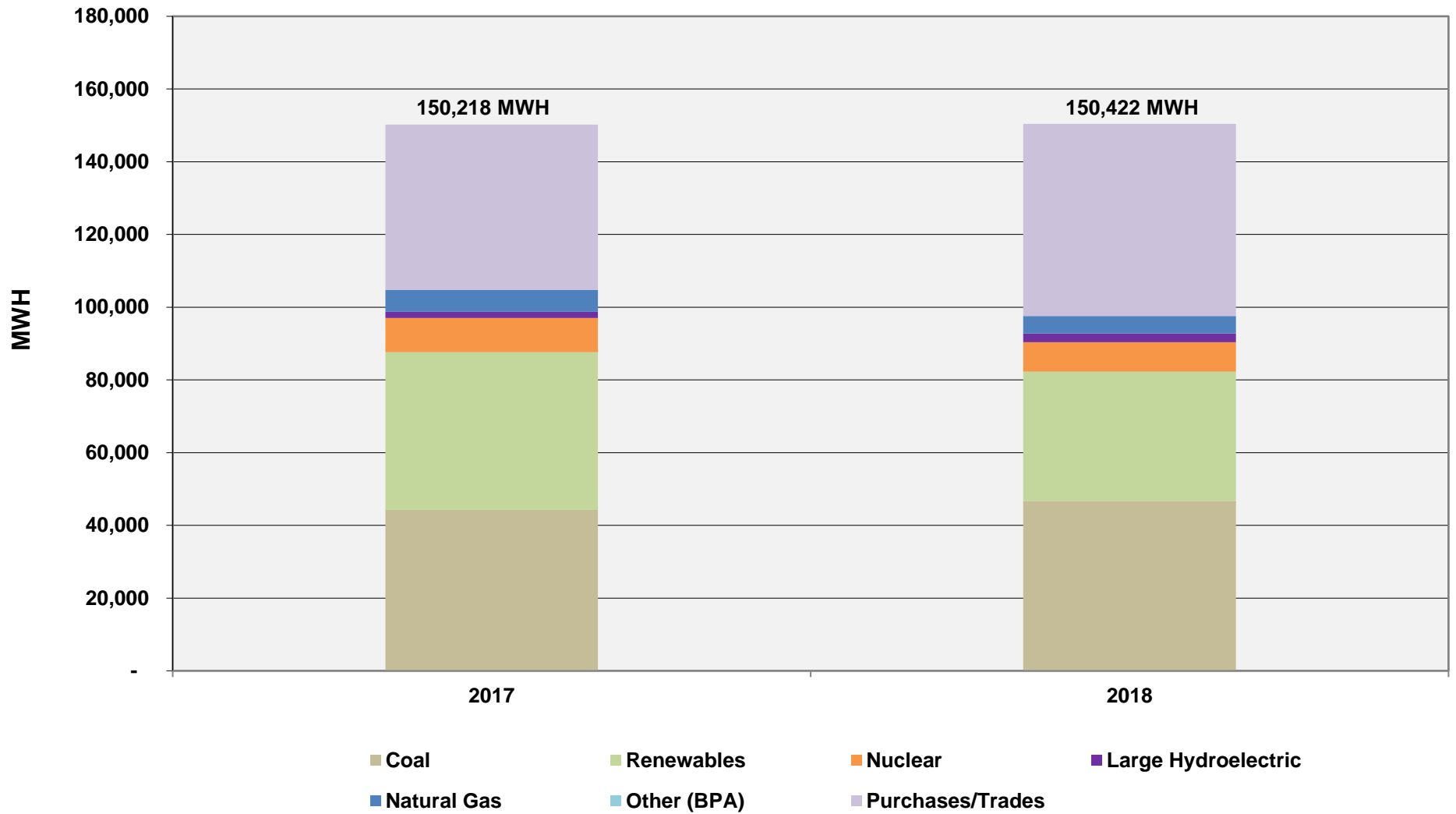


Chart 2
Peak Hour Total Capacity - February

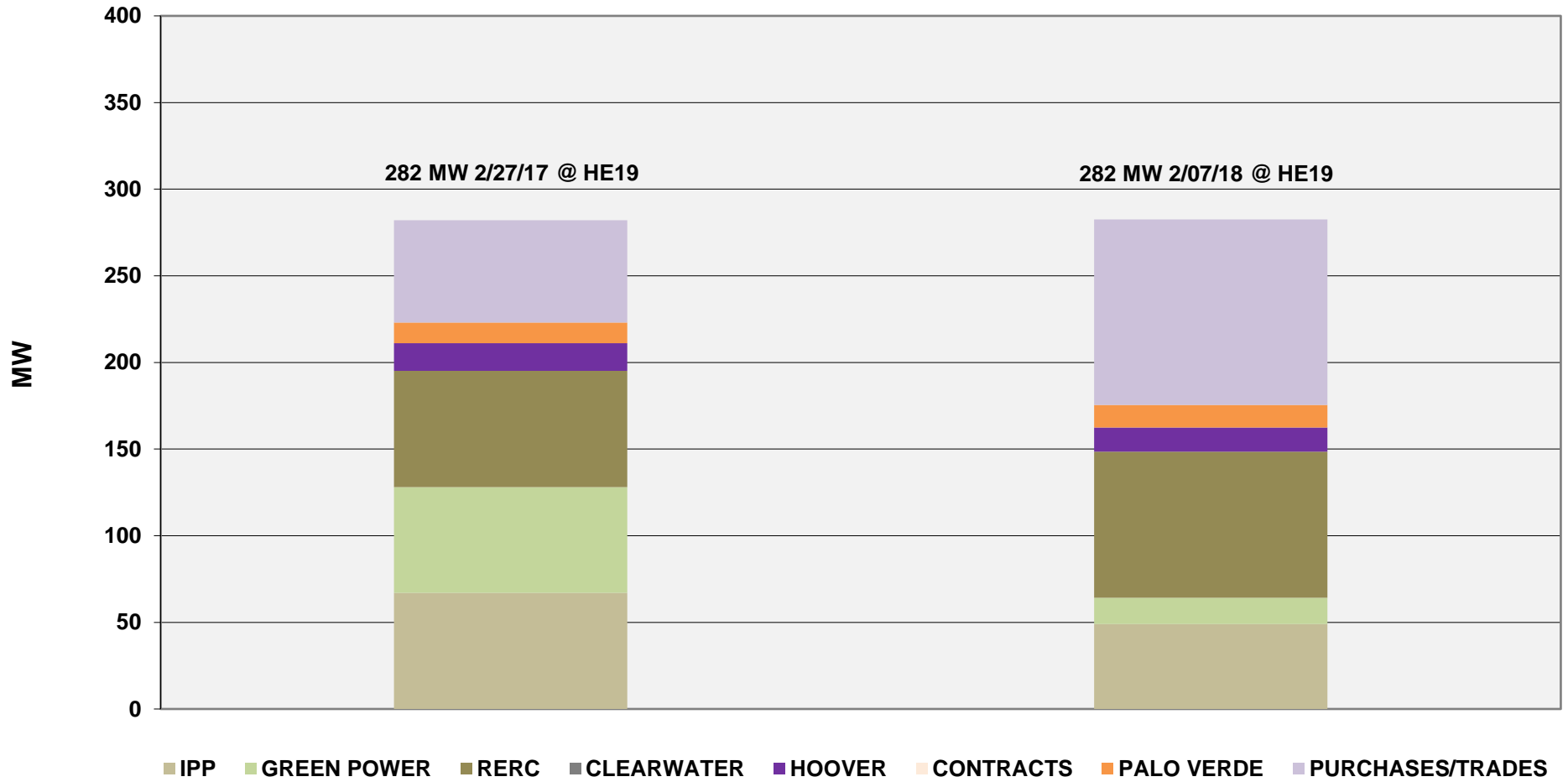


Chart 3
Retail Customer Load - February

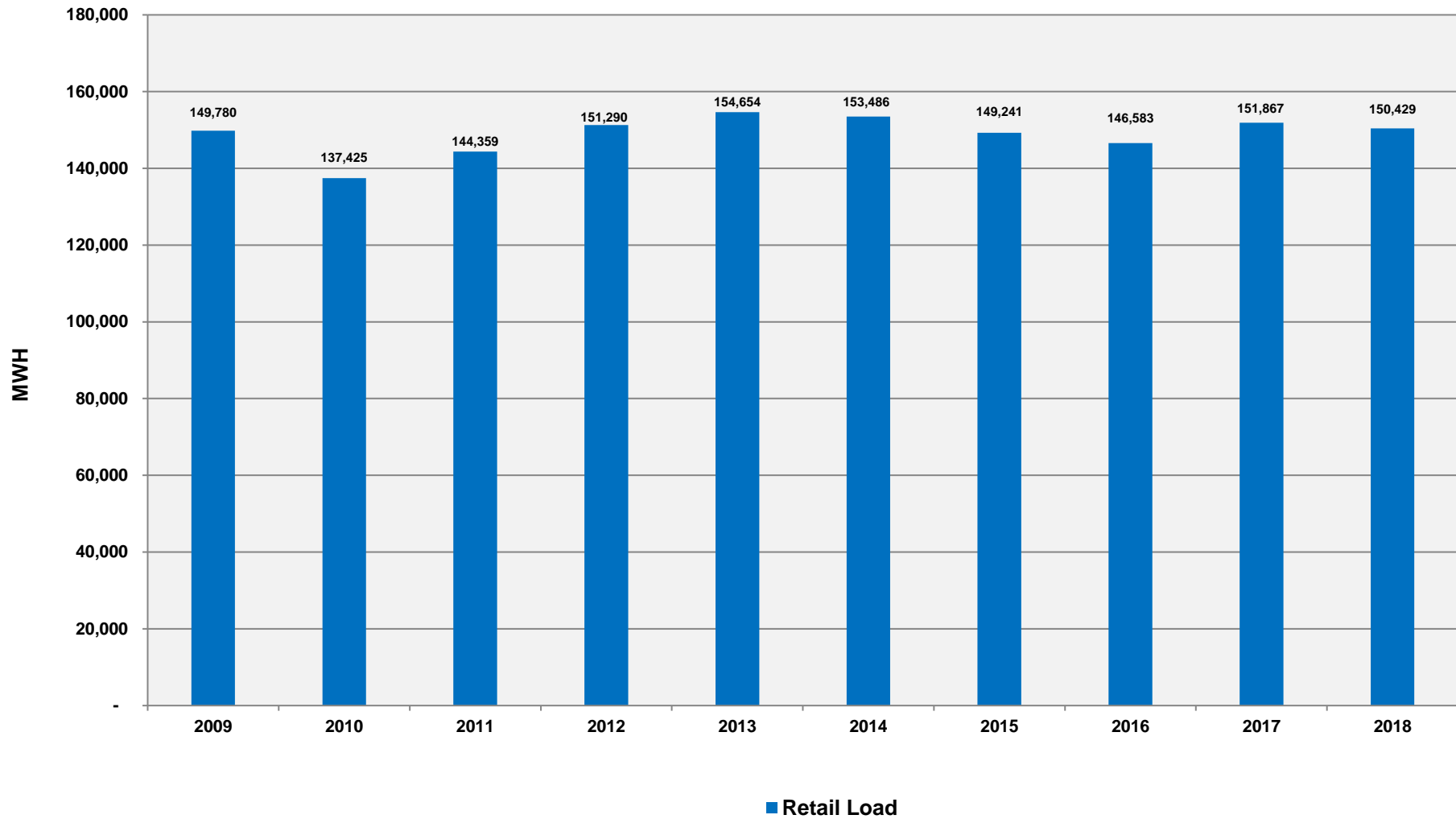


Chart 4
Daily Peak Load and Temperature Comparisons
February

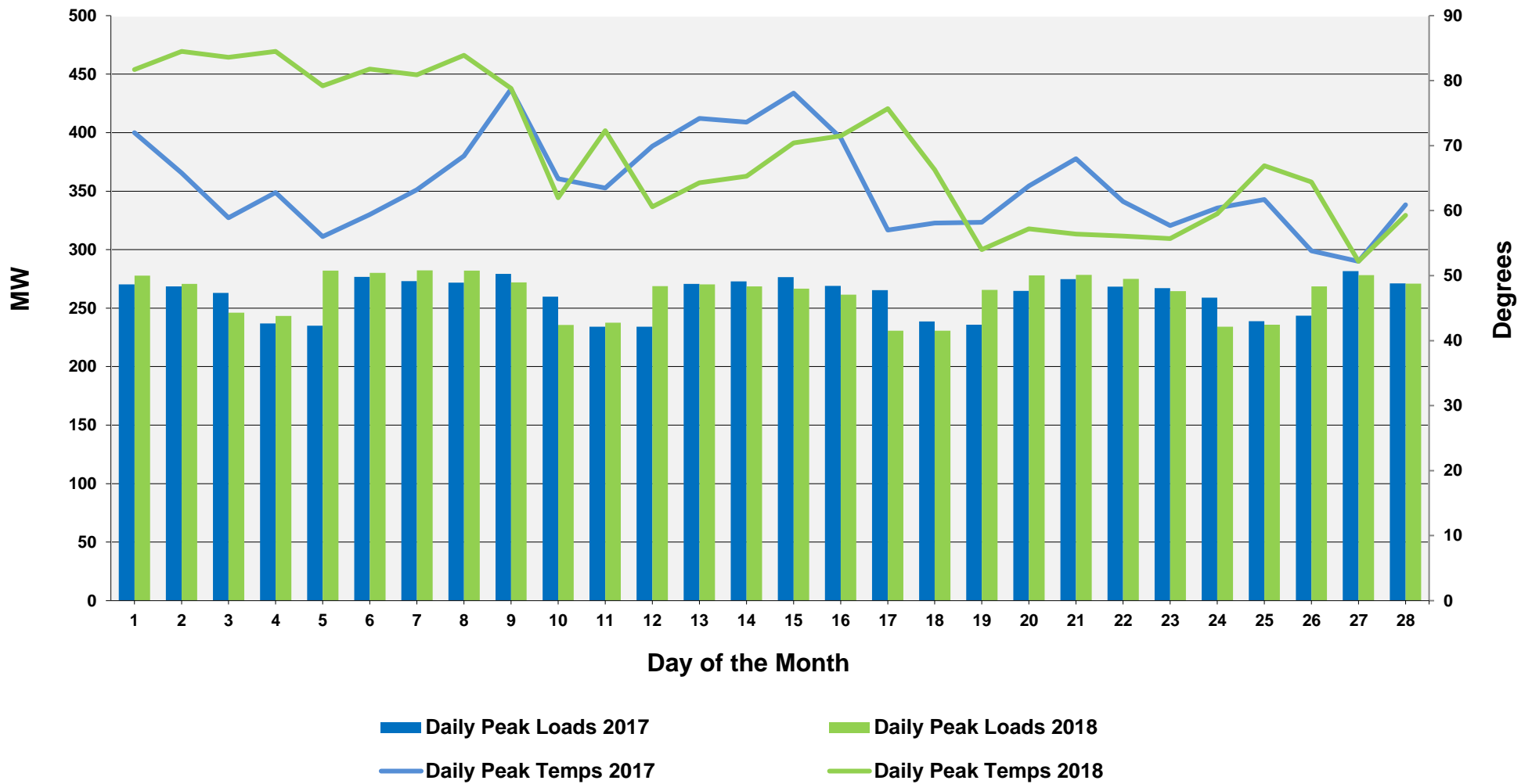


Chart 5
Monthly Peak Load & Temperature

