



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE MARCH 12, 2018

**GENERAL MANAGERS REPORT
ITEM NO: 13**

SUBJECT: MONTHLY POWER SUPPLY REPORT – January, 2018

Power Usage:

Wholesale Load (Vista): – 166,771 MWH (Chart 1)

Peak Demand: – 281 MW of which 232 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,499
b) Coal	53,436
c) Large Hydroelectric	1,465
d) Natural Gas	7,994
e) Renewables	65,940
f) Inter SC Trades	-
g) Green Inter SC Trades	400
h) CAISO Purchases	28,527
Total:	166,771

Total Green Power Supply – **65,940 MWH** which yields 39.25% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 98.21% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 52.43% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 17 MW, with energy entitlement of 1,465 MWH.

Natural Gas: Clearwater's availability was 98.48% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 95.94% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 99.83% for the month.

Renewable: Salton Sea units operated at 100.00% capacity factor for the month.
Vulcan unit operated at 94.71% capacity factor for the month.
Wintec operated at 9.06% capacity factor.
WKN operated at 8.40% capacity factor.
Transwind operated at 9.75% capacity factor.
Kingbird Solar operated at 19.93% capacity factor.
Tequesquite Solar operated at 15.42% capacity factor.
AP North Lake Solar operated at 17.24% capacity factor.
Camelot Solar2 operated at 16.45% capacity factor.
Bigsky Solar3 operated at 19.89% capacity factor.
Bigsky Solar7 operated at 17.26% capacity factor.
Bigsky Solar1X operated at 19.82% capacity factor.

The attached graphical comparisons represents RPU's January
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 - January

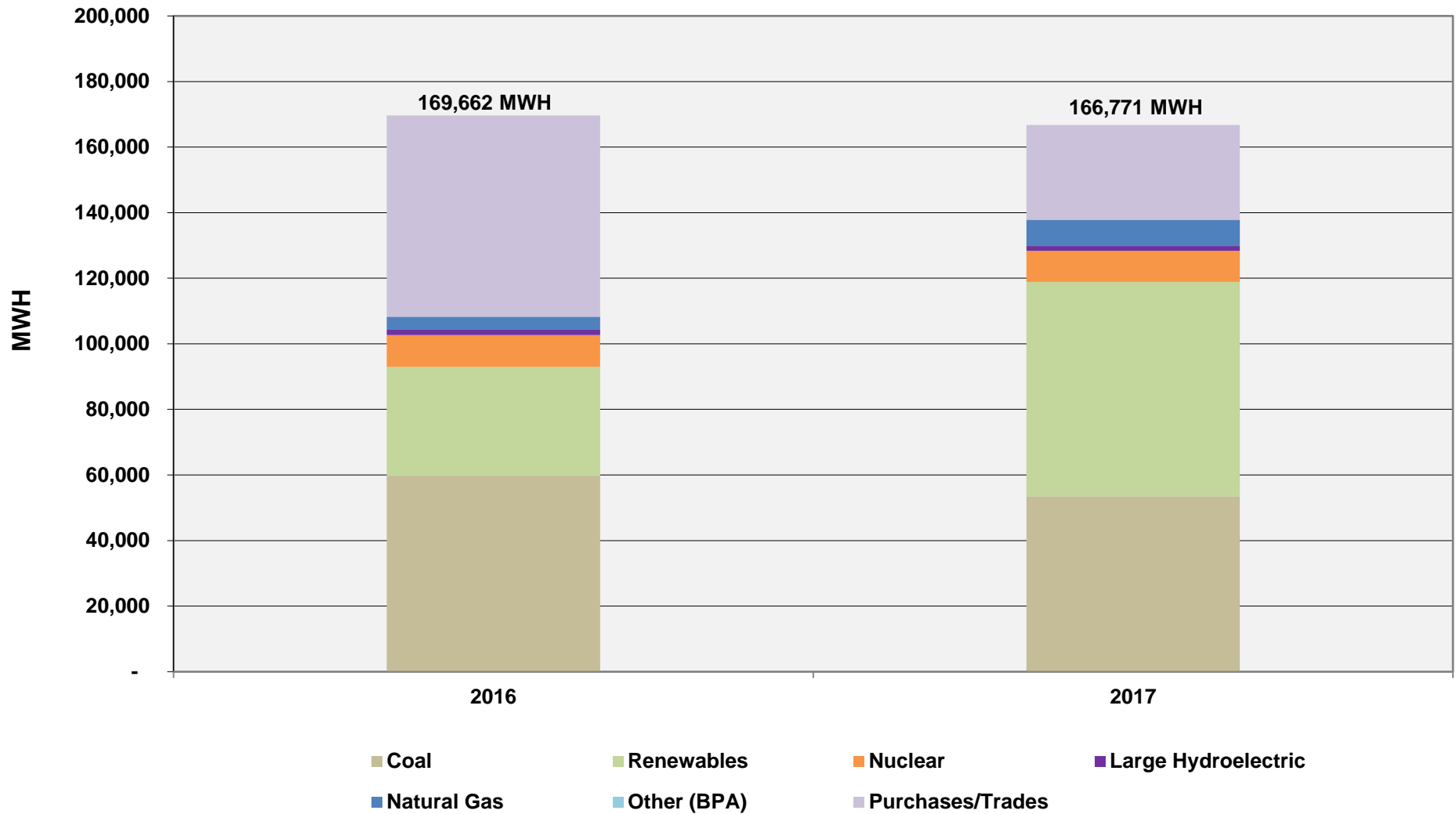


Chart 2
Peak Hour Total Capacity - January

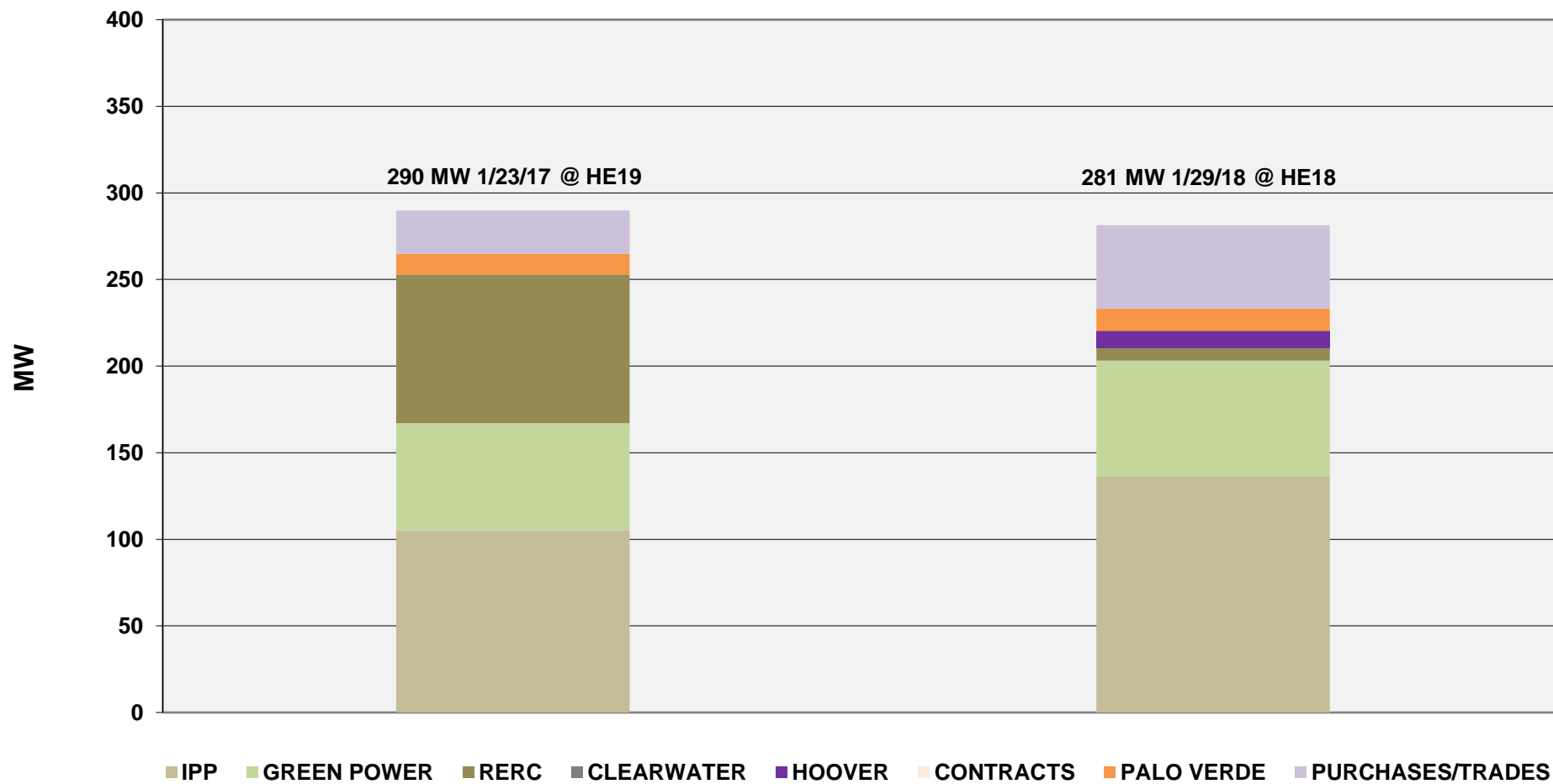


Chart 3
Retail Customer Load - January

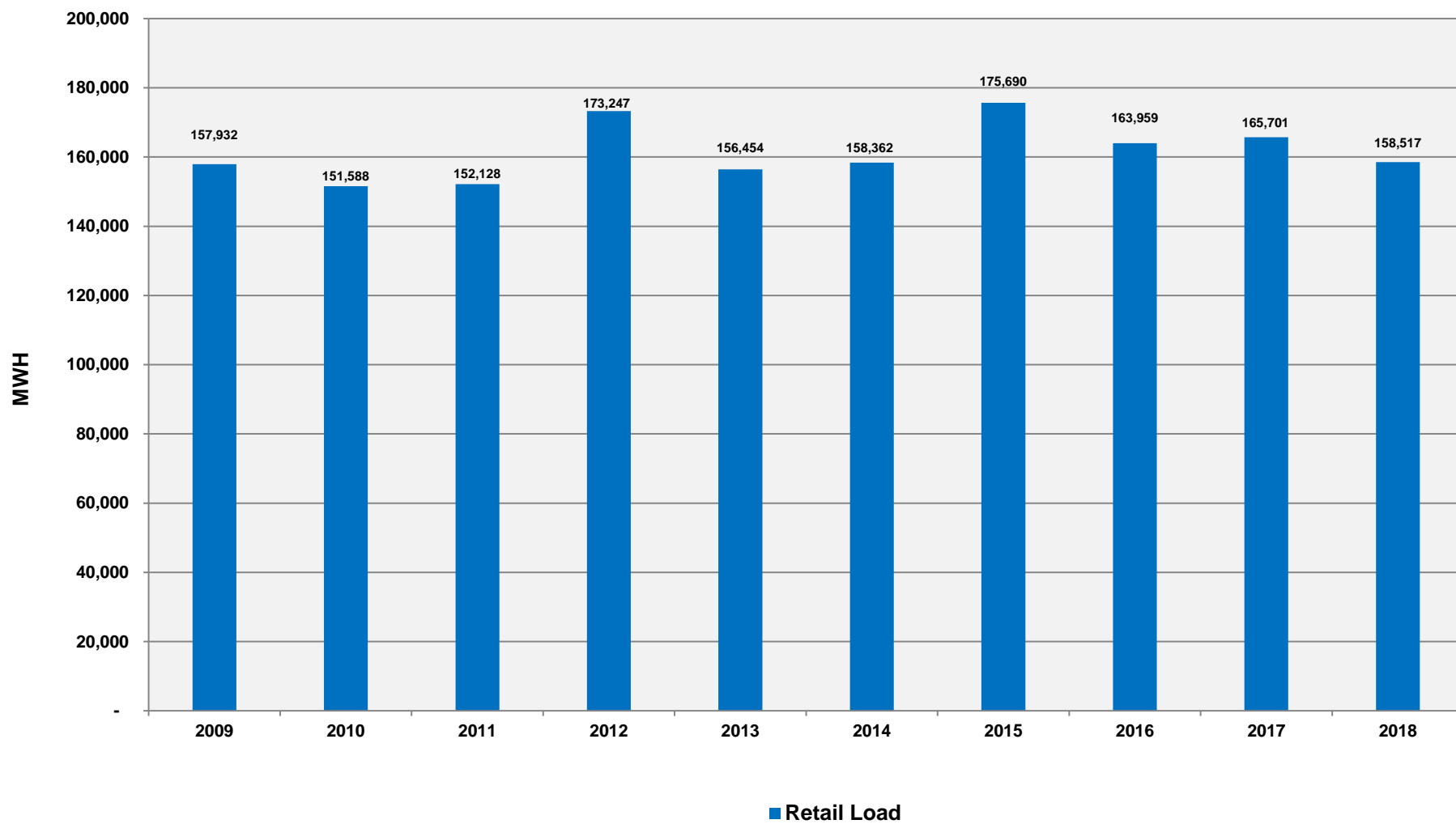


Chart 4
Daily Peak Load and Temperature Comparisons
January

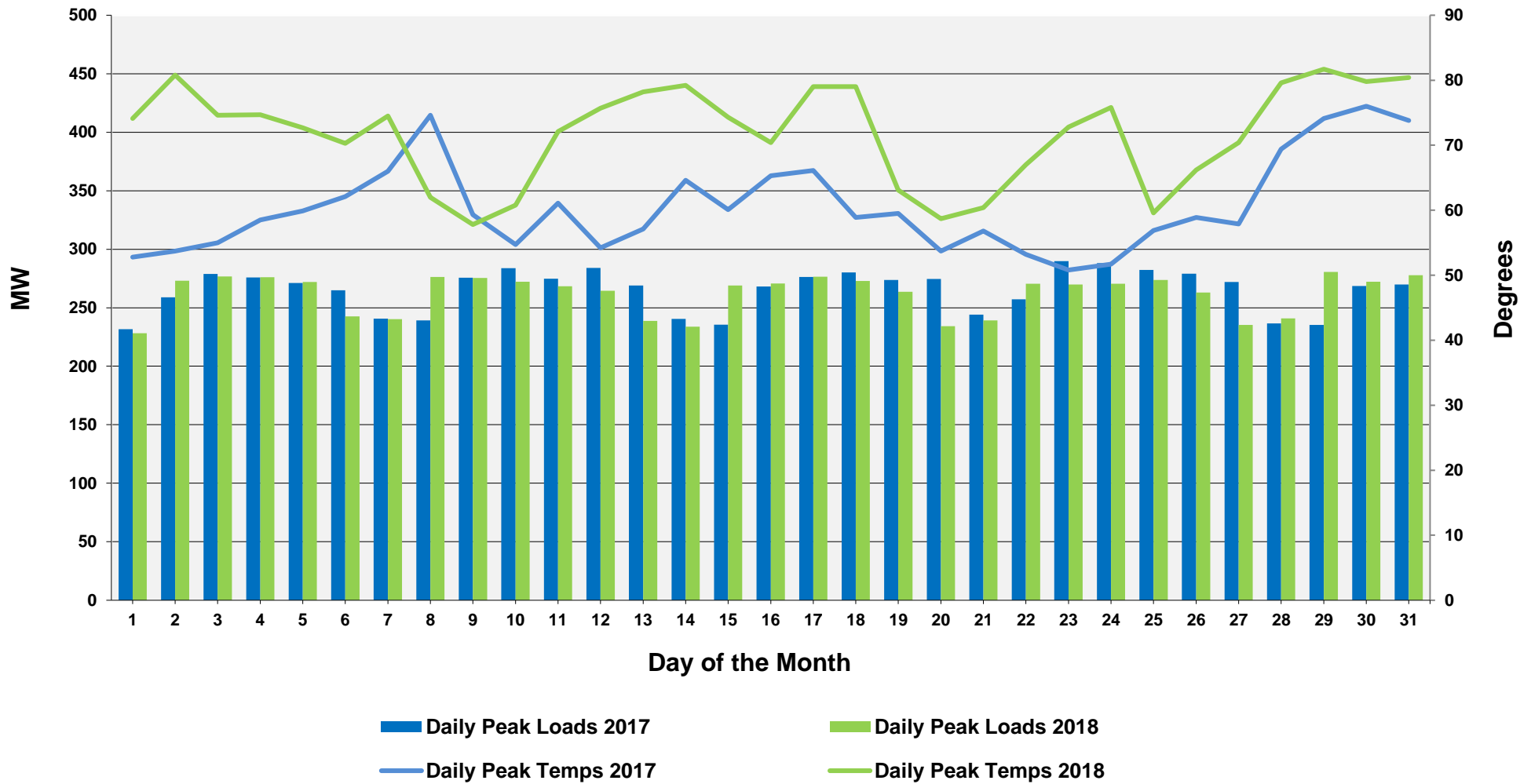


Chart 5
Monthly Peak Load & Temperature

