



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE MAY 14, 2018

**GENERAL MANAGERS REPORT
ITEM NO: 16**

SUBJECT: MONTHLY POWER SUPPLY REPORT – March, 2018

Power Usage:

Wholesale Load (Vista): – 163,298 MWH (Chart 1)
Peak Demand: – 285 MW of which 203 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,659
b) Coal	51,423
c) Large Hydroelectric	2,696
d) Natural Gas	6,569
e) Renewables	75,948
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	17,003
Total:	163,298

Total Green Power Supply – **75,948 MWH** which yields 46.51% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 99.87% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 50.45% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,696 MWH.

Natural Gas: Clearwater's availability was 86.42% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 99.20% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 98.87% capacity factor for the month.
Vulcan unit operated at 92.43% capacity factor for the month.
Wintec operated at 39.67% capacity factor.
WKN operated at 41.79% capacity factor.
Transwind operated at 21.05% capacity factor.
Kingbird Solar operated at 29.95% capacity factor.
Tequesquite Solar operated at 23.30% capacity factor.
AP North Lake Solar operated at 24.89% capacity factor.
Camelot Solar2 operated at 29.13% capacity factor.
Bigsky Solar3 operated at 29.27% capacity factor.
Bigsky Solar7 operated at 27.14% capacity factor.
Bigsky Solar1X operated at 30.02% capacity factor.

The attached graphical comparisons represents RPU's March:

- 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 - March

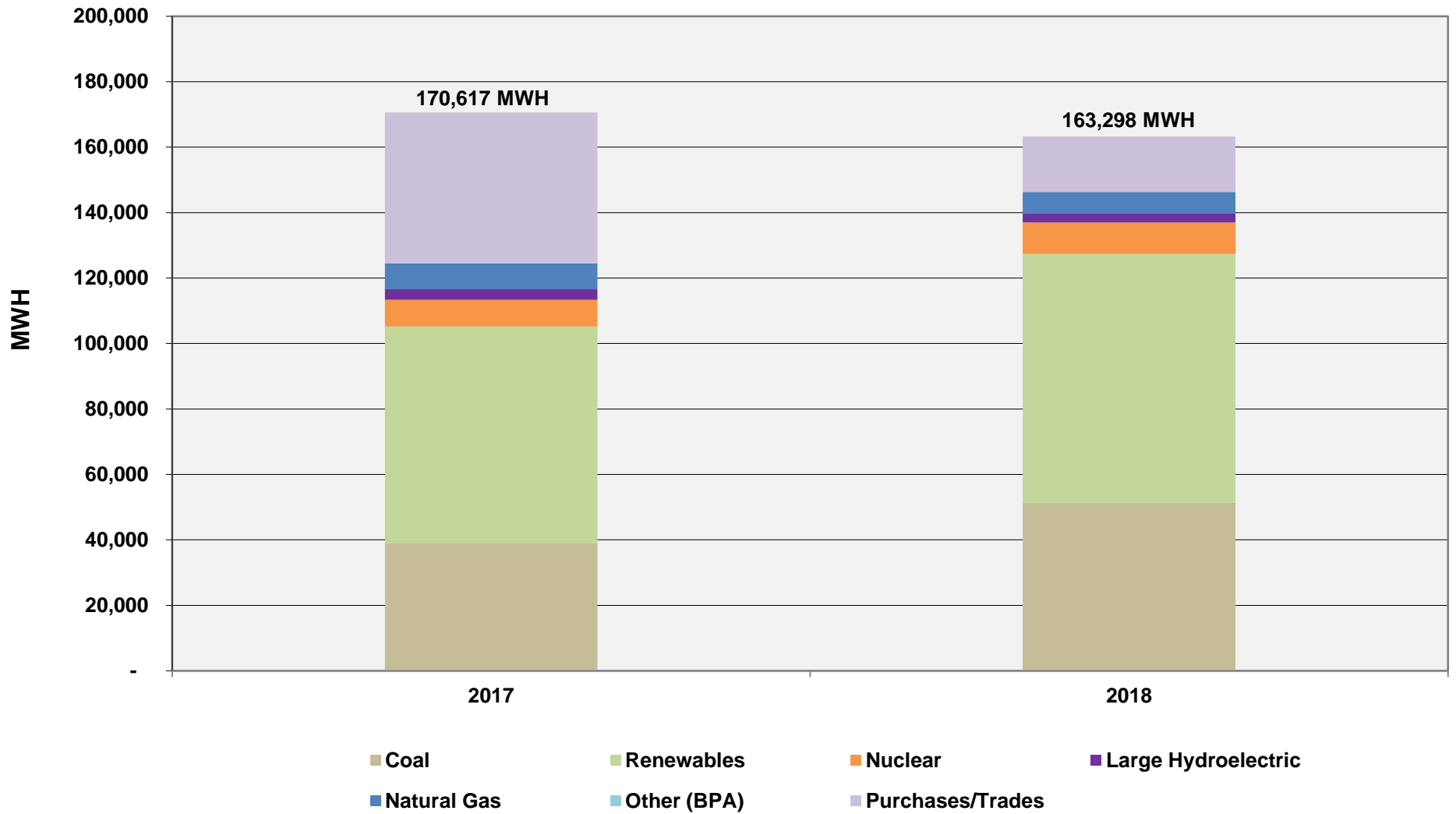


Chart 2
Peak Hour Total Capacity - March

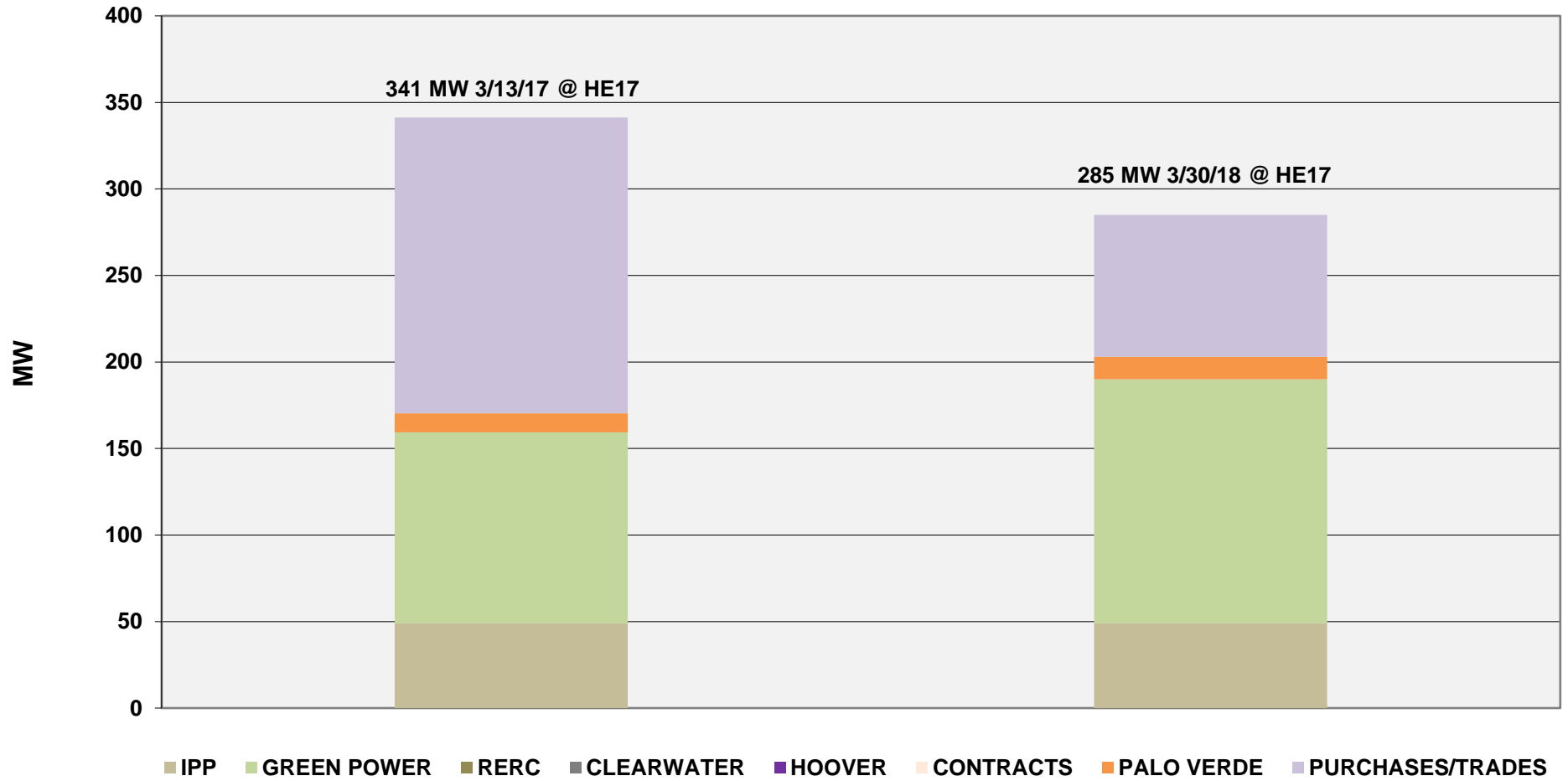


Chart 3
Retail Customer Load - March

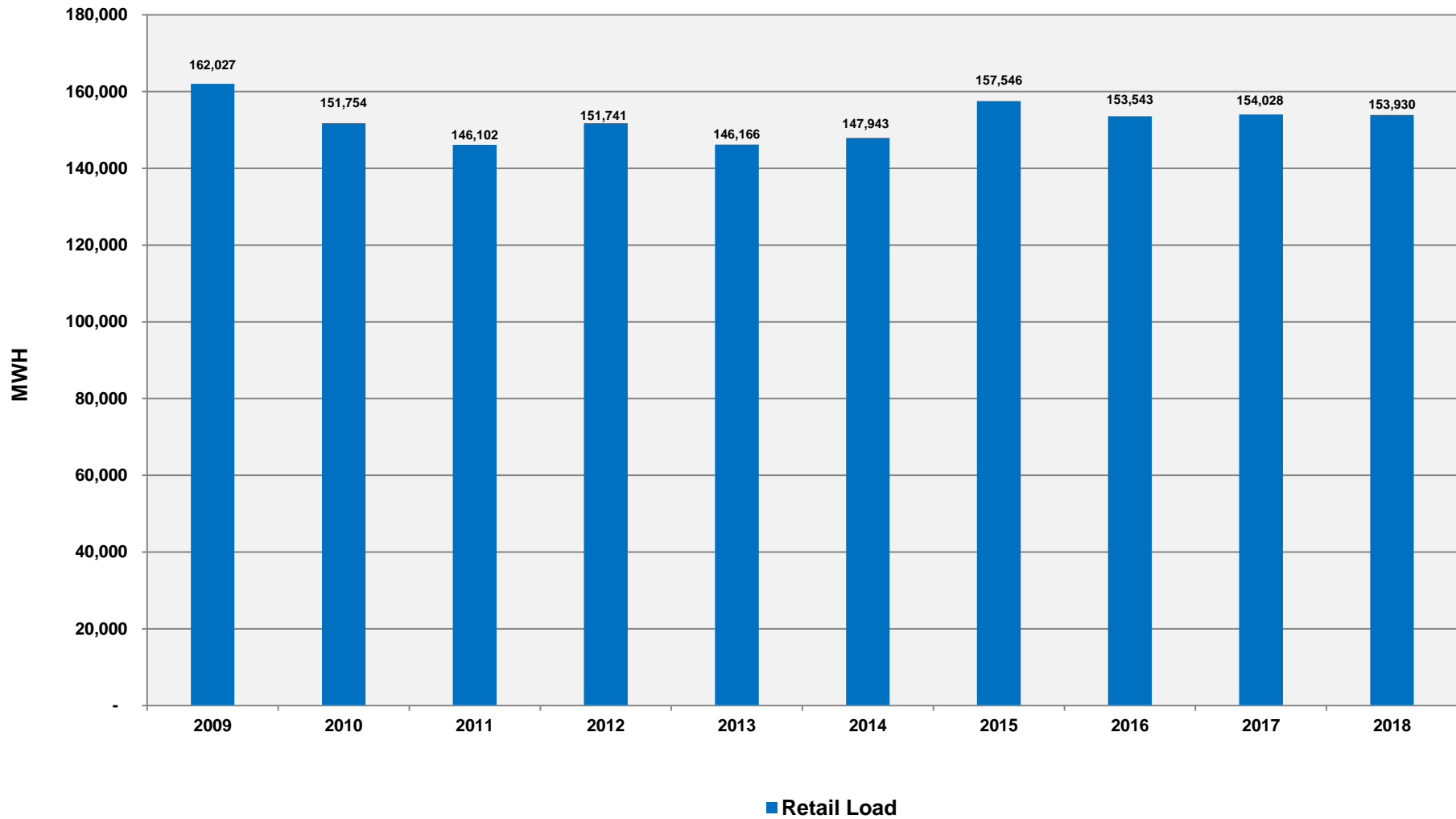


Chart 4
Daily Peak Load and Temperature Comparisons
March

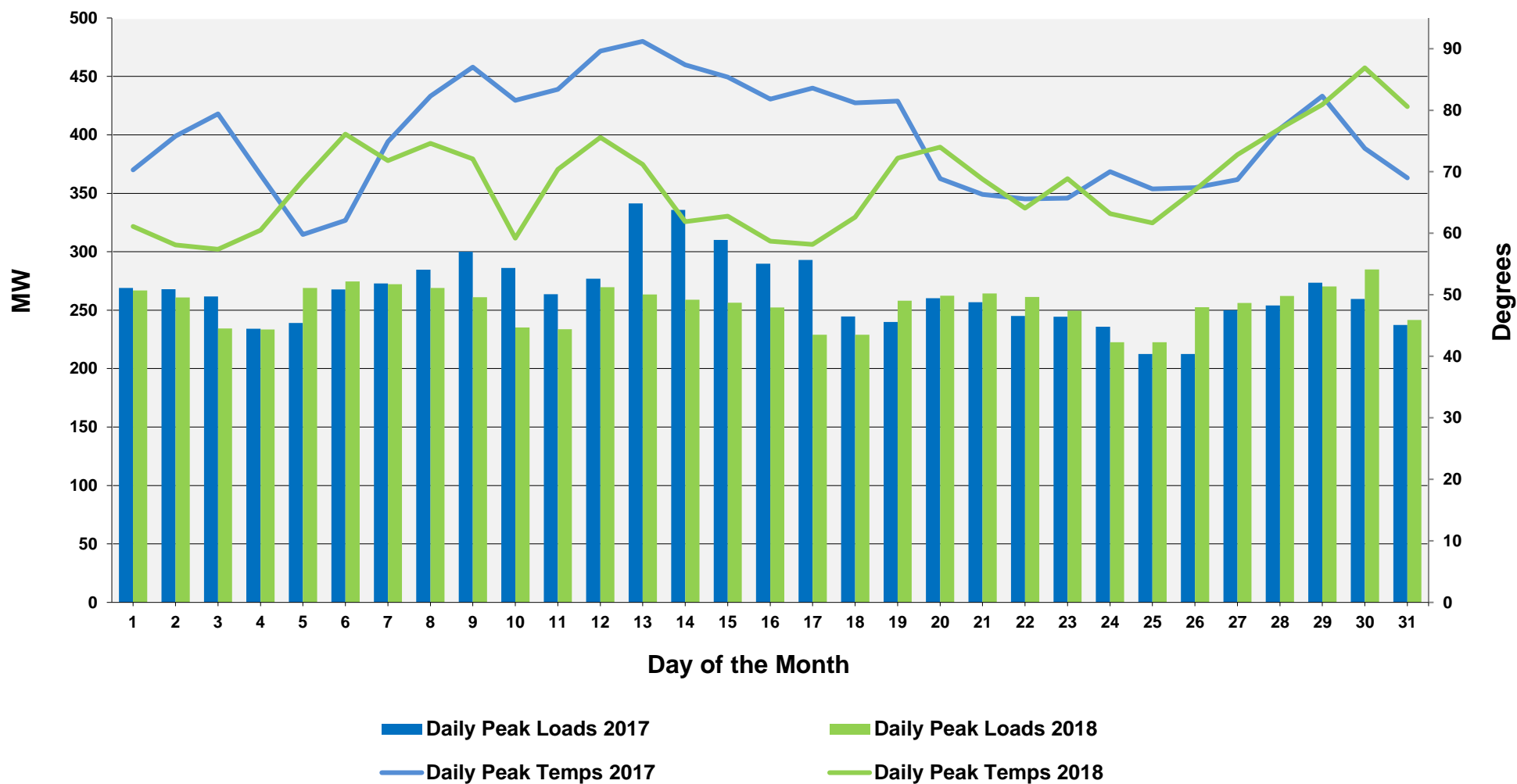


Chart 5
Monthly Peak Load & Temperature

