



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE MARCH 11, 2019

**GENERAL MANAGERS REPORT
ITEM NO:**

SUBJECT: MONTHLY POWER SUPPLY REPORT – January, 2019

Power Usage:

Wholesale Load (Vista): – 167,409 MWH (Chart 1)

Peak Demand: – 281 MW of which 198 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,672
b) Coal	51,450
c) Large Hydroelectric	1,509
d) Natural Gas	3,951
e) Renewables	56,543
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	44,285
Total:	167,409

Total Green Power Supply – **56,543 MWH** which yields 33.78% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 100.00% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 50.40% 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 99.92% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 60.95% capacity factor for the month.
Vulcan unit operated at 80.32% capacity factor for the month.
Wintec operated at 0.00% capacity factor.
WKN operated at 2.25% capacity factor.
Transwind operated at 6.46% capacity factor.
Kingbird Solar operated at 17.95% capacity factor.
Tequesquite Solar operated at 14.43% capacity factor.
AP North Lake Solar operated at 15.98% capacity factor.
Camelot Solar2 operated at 18.37% capacity factor.
Bigsky Solar3 operated at 17.97% capacity factor.
Bigsky Solar7 operated at 15.90% capacity factor.
Bigsky Solar1X operated at 17.84% 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

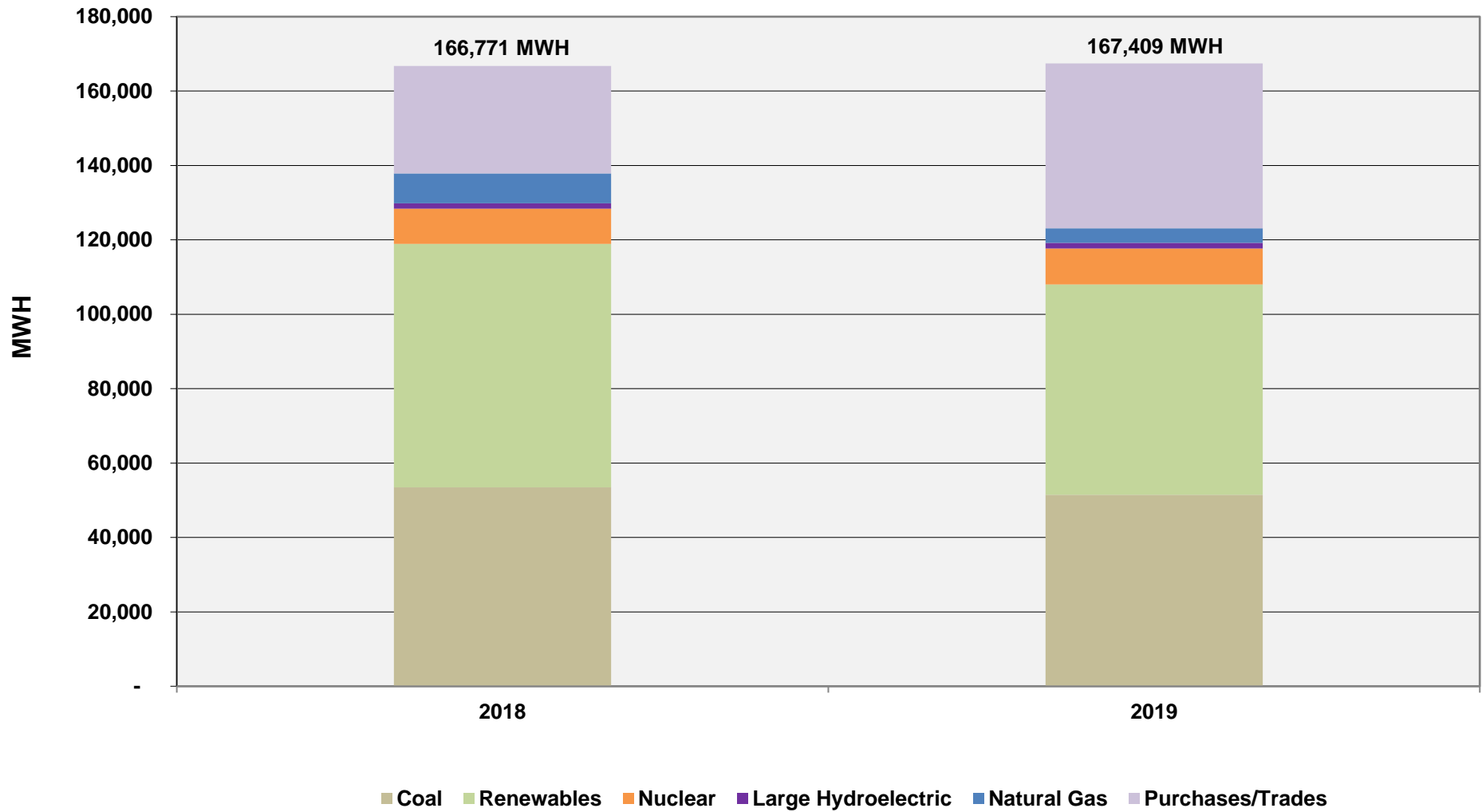


Chart 2
Peak Hour Total Capacity - January

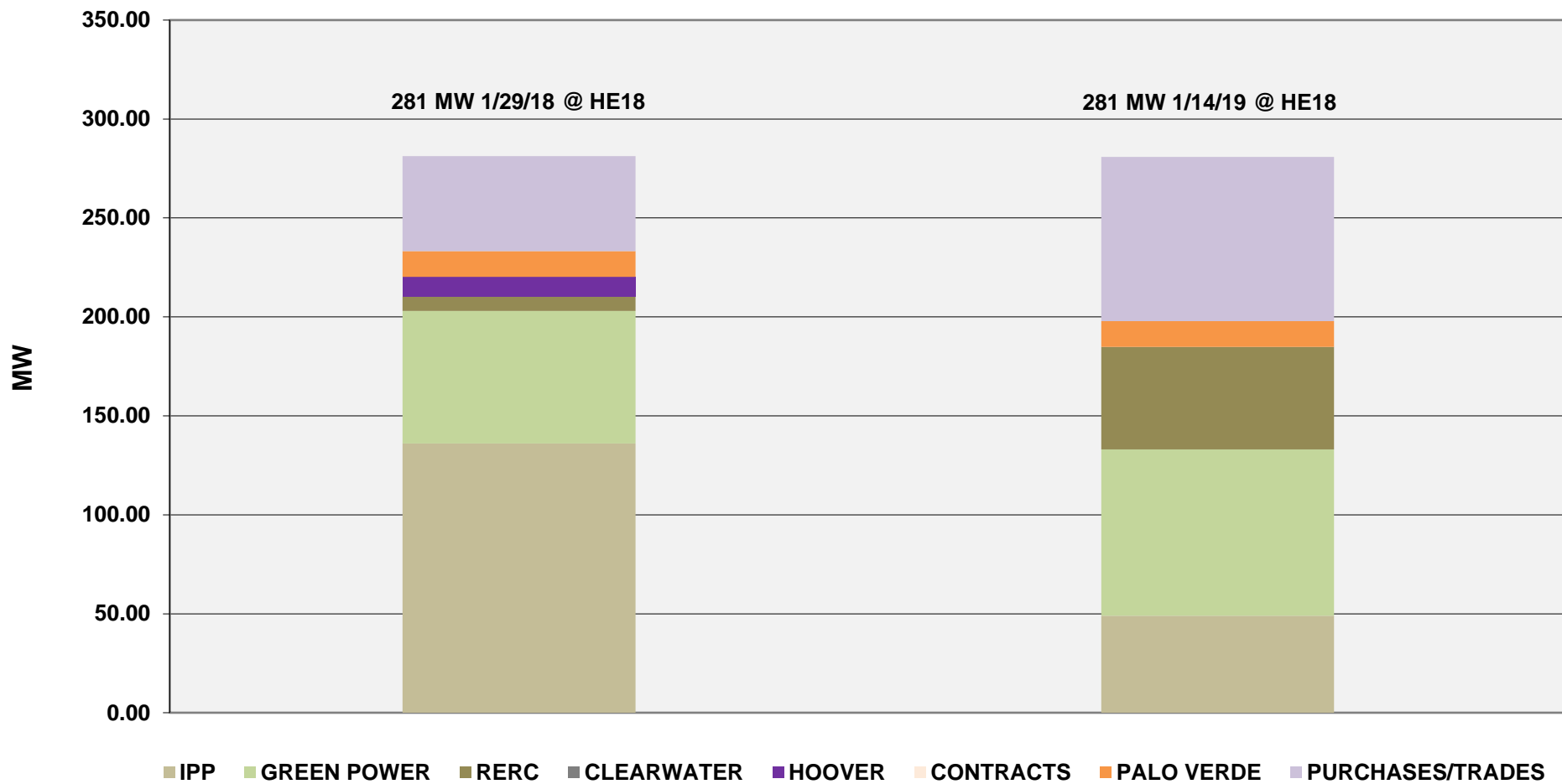


Chart 3
Retail Customer Load - January

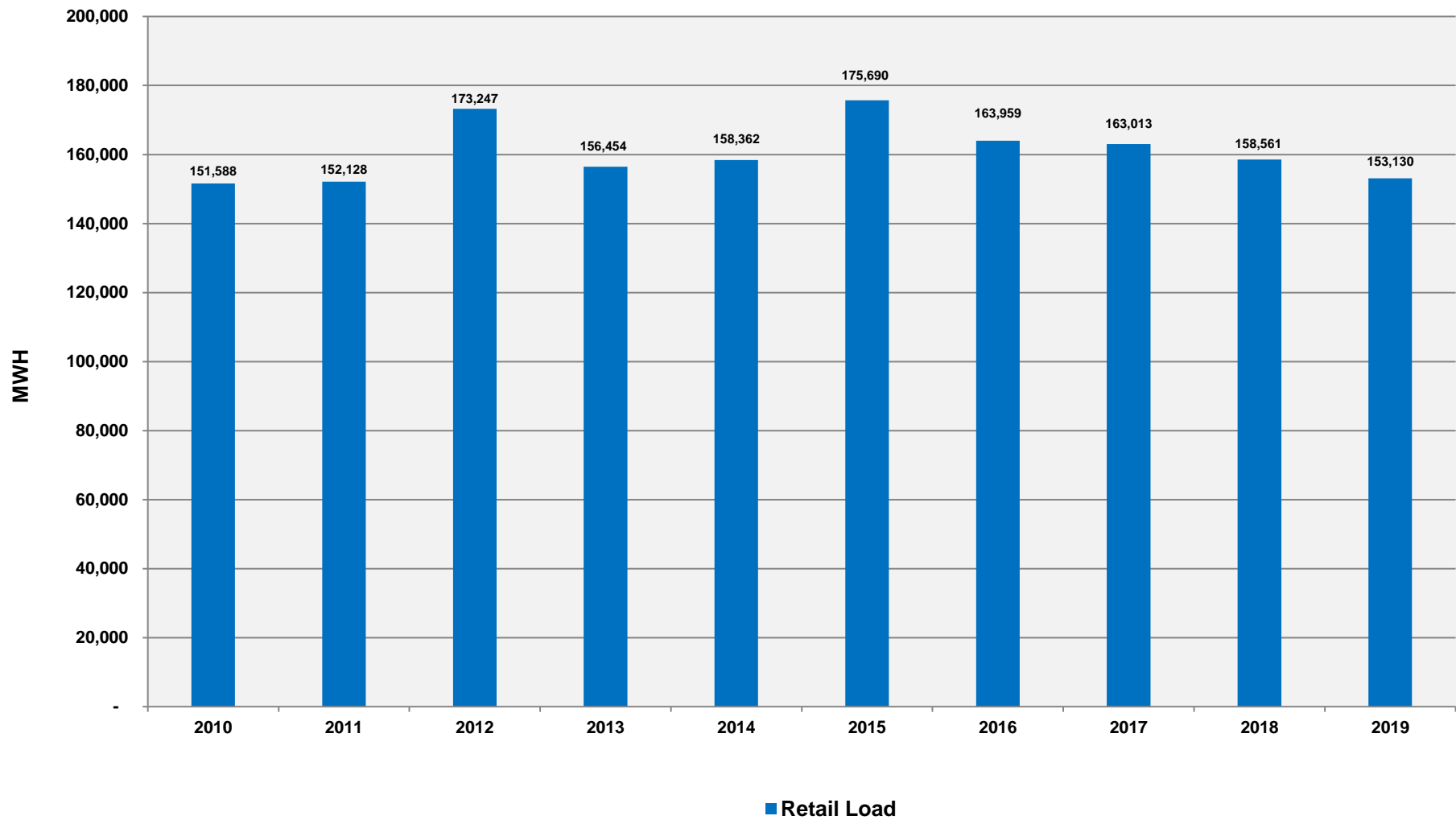


Chart 4
Daily Peak Load and Temperature Comparisons
January

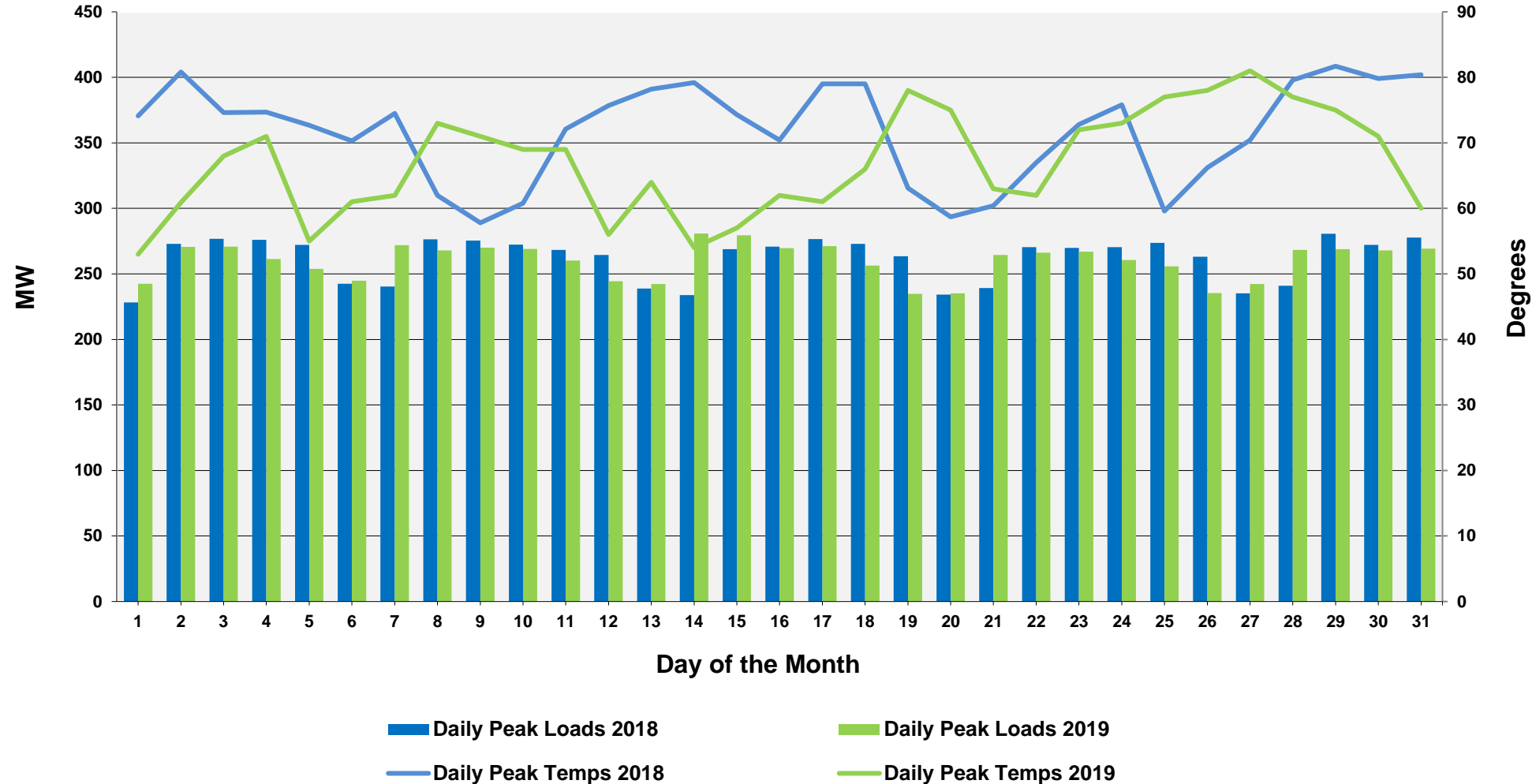


Chart 5
Monthly Peak Load & Temperature

