



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE MAY 13, 2019

**GENERAL MANAGERS REPORT
ITEM NO:**

SUBJECT: MONTHLY POWER SUPPLY REPORT – March, 2019

Power Usage:

Wholesale Load (Vista): – 158,076 MWH (Chart 1)

Peak Demand: – 265 MW of which 230 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,885
b) Coal	51,632
c) Large Hydroelectric	2,466
d) Natural Gas	8,420
e) Renewables	46,272
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	40,401
Total:	158,076

Total Green Power Supply – **46,272 MWH** which yields 29.27% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 91.86% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 50.66% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,466 MWH.

Natural Gas: Clearwater's availability was 79.84% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 93.49% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 4.98% capacity factor for the month.
Vulcan unit operated at 60.32% capacity factor for the month.
Wintec operated at 45.54% capacity factor.
WKN operated at 11.64% capacity factor.
Transwind operated at 17.49% capacity factor.
Kingbird Solar operated at 30.92% capacity factor.
Tequesquite Solar operated at 23.36% capacity factor.
AP North Lake Solar operated at 23.01% capacity factor.
Camelot Solar2 operated at 33.13% capacity factor.
Bigsky Solar3 operated at 28.67% capacity factor.
Bigsky Solar7 operated at 29.13% capacity factor.
Bigsky Solar1X operated at 31.33% 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

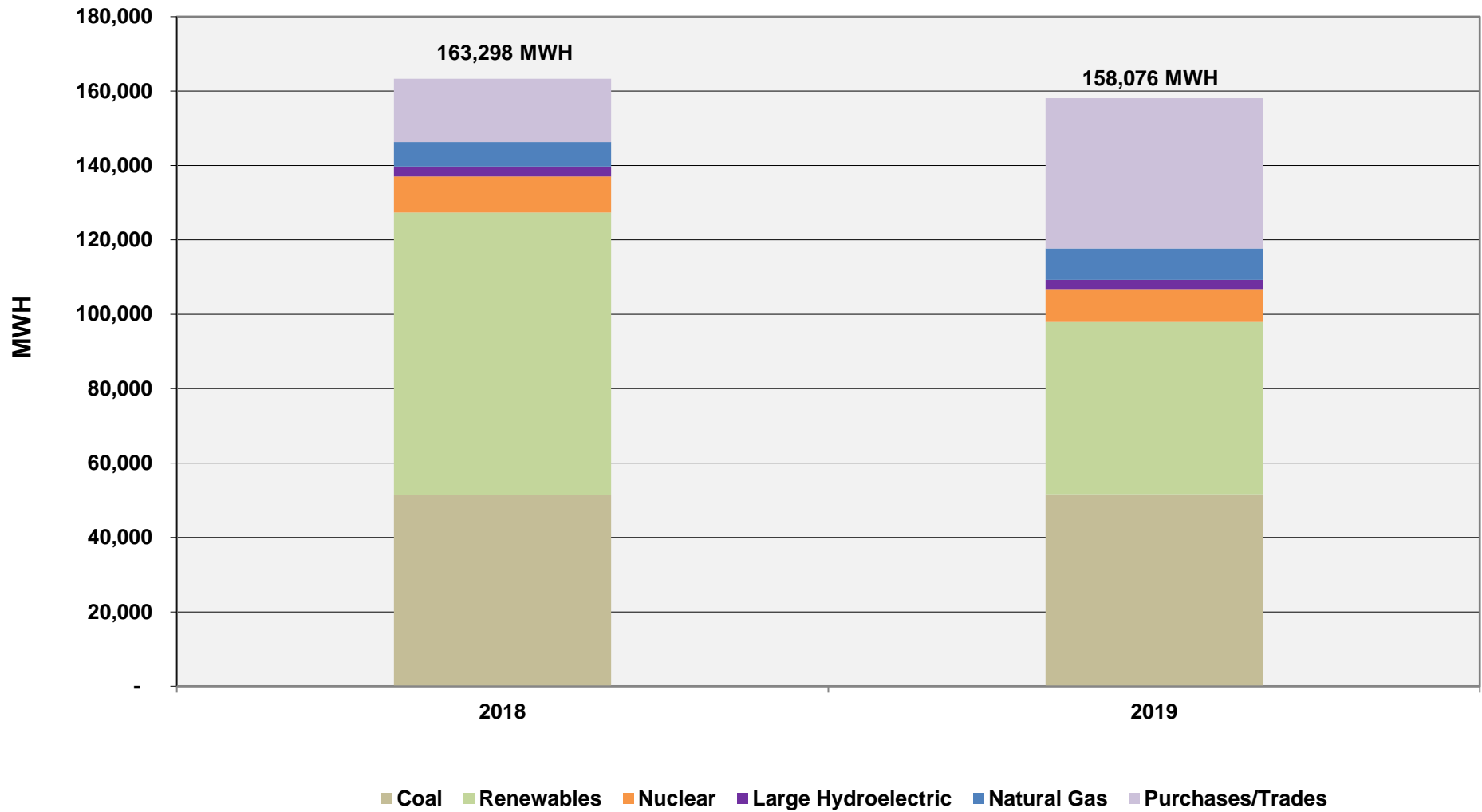


Chart 2
Peak Hour Total Capacity - March

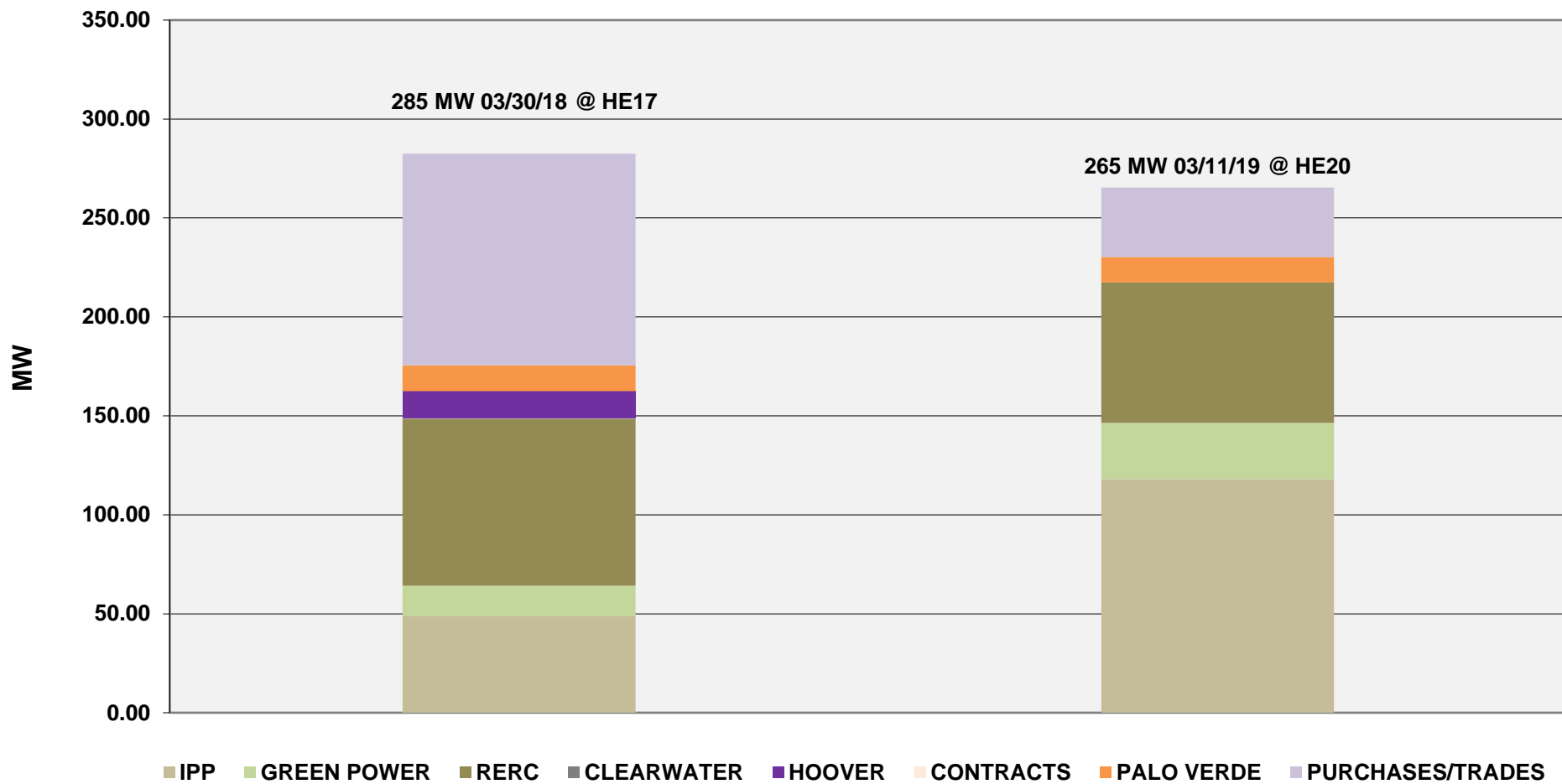


Chart 3
Retail Customer Load - March

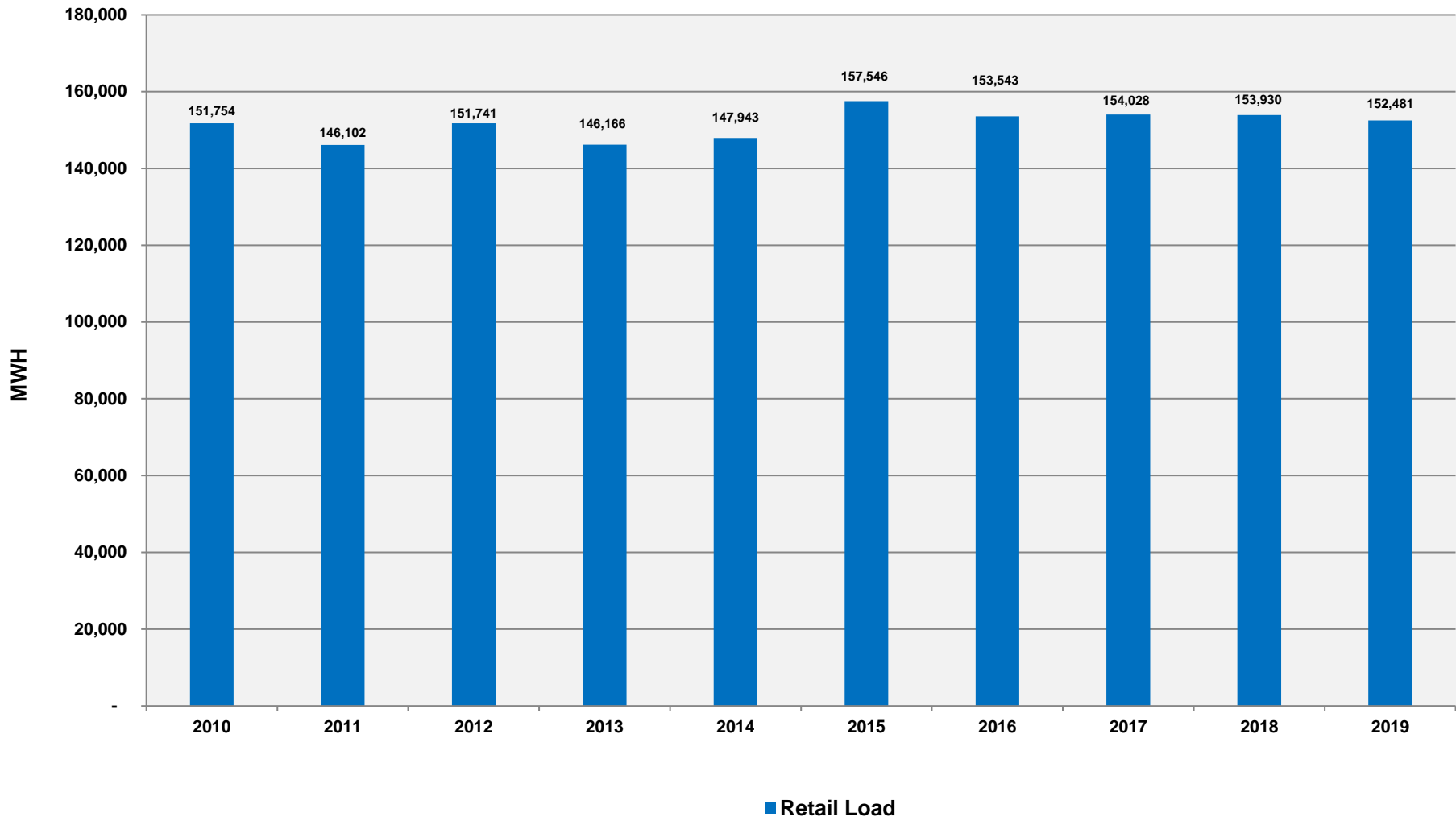


Chart 4
Daily Peak Load and Temperature Comparisons
March

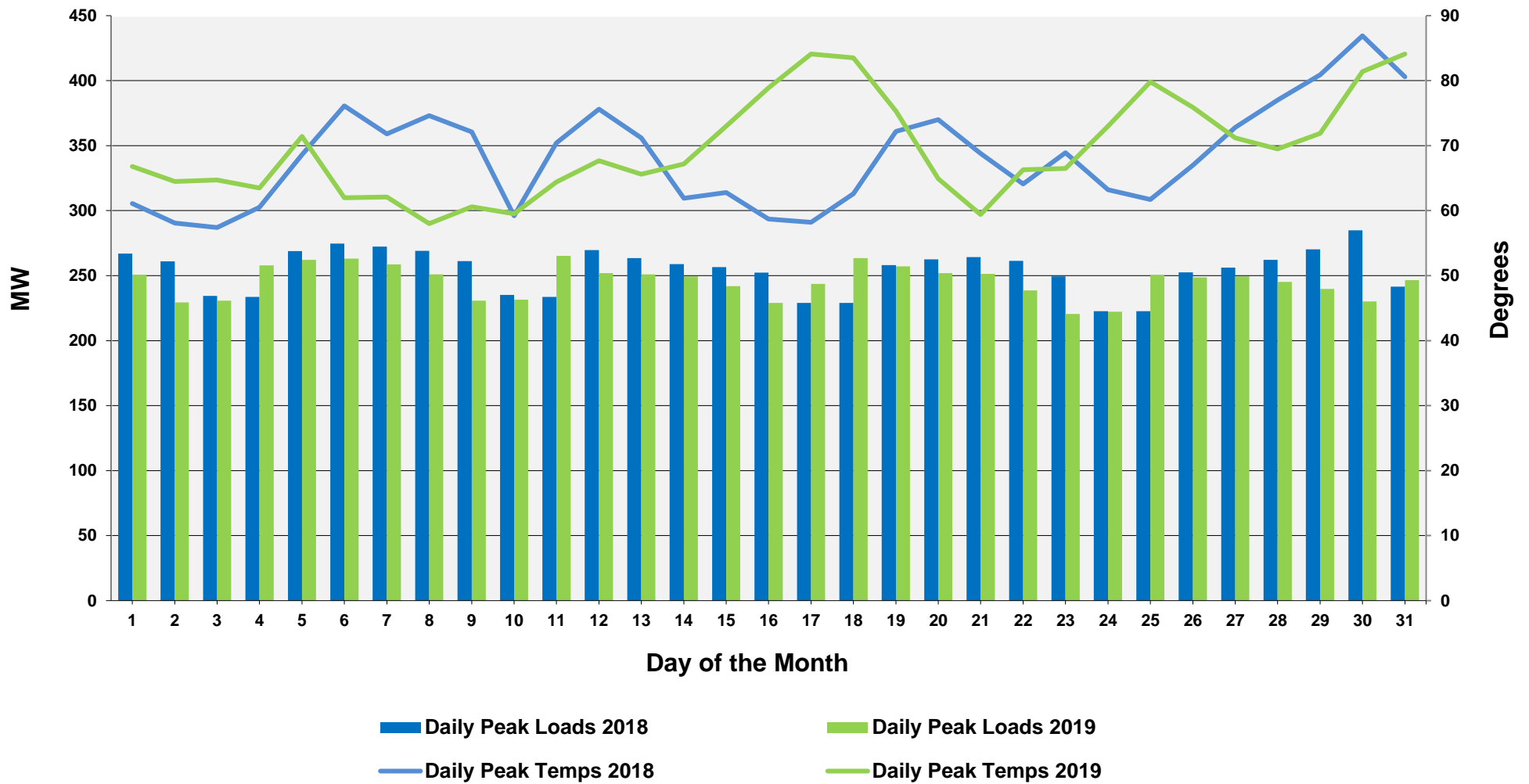


Chart 5
Monthly Peak Load & Temperature

