



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE JULY 8, 2019

**GENERAL MANAGERS REPORT
ITEM NO:**

SUBJECT: MONTHLY POWER SUPPLY REPORT – May, 2019

Power Usage:

Wholesale Load (Vista): – 162,751 MWH (Chart 1)

Peak Demand: – 298 MW of which 270 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,376
b) Coal	42,308
c) Large Hydroelectric	3,268
d) Natural Gas	3,394
e) Renewables	89,315
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	16,090
Total:	162,751

Total Green Power Supply – **89,315 MWH** which yields 54.88% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 86.60% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 41.51% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 21 MW, with energy entitlement of 3,268 MWH.

Natural Gas: Clearwater's availability was 100.00% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 67.25% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 97.29% capacity factor for the month.
Vulcan unit operated at 70.18% capacity factor for the month.
Wintec operated at 63.43% capacity factor.
WKN operated at 61.96% capacity factor.
Transwind operated at 23.07% capacity factor.
Kingbird Solar operated at 38.24% capacity factor.
Tequesquite Solar operated at 24.68% capacity factor.
AP North Lake Solar operated at 26.14% capacity factor.
Camelot Solar2 operated at 38.67% capacity factor.
Bigsky Solar3 operated at 39.41% capacity factor.
Bigsky Solar7 operated at 36.64% capacity factor.
Bigsky Solar1X operated at 38.33% capacity factor.

The attached graphical comparisons represents RPU's May:

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 - May

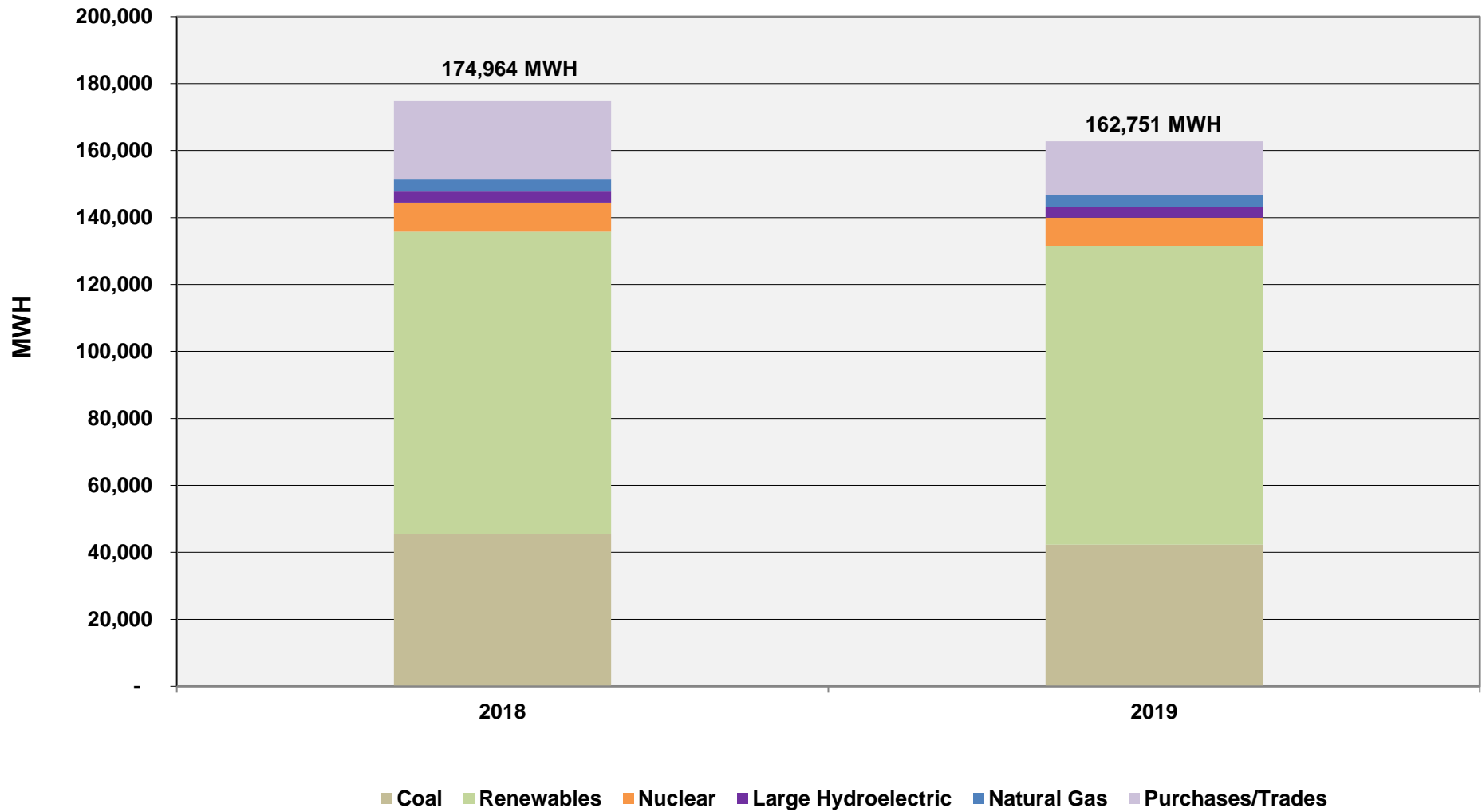


Chart 2
Peak Hour Total Capacity - May

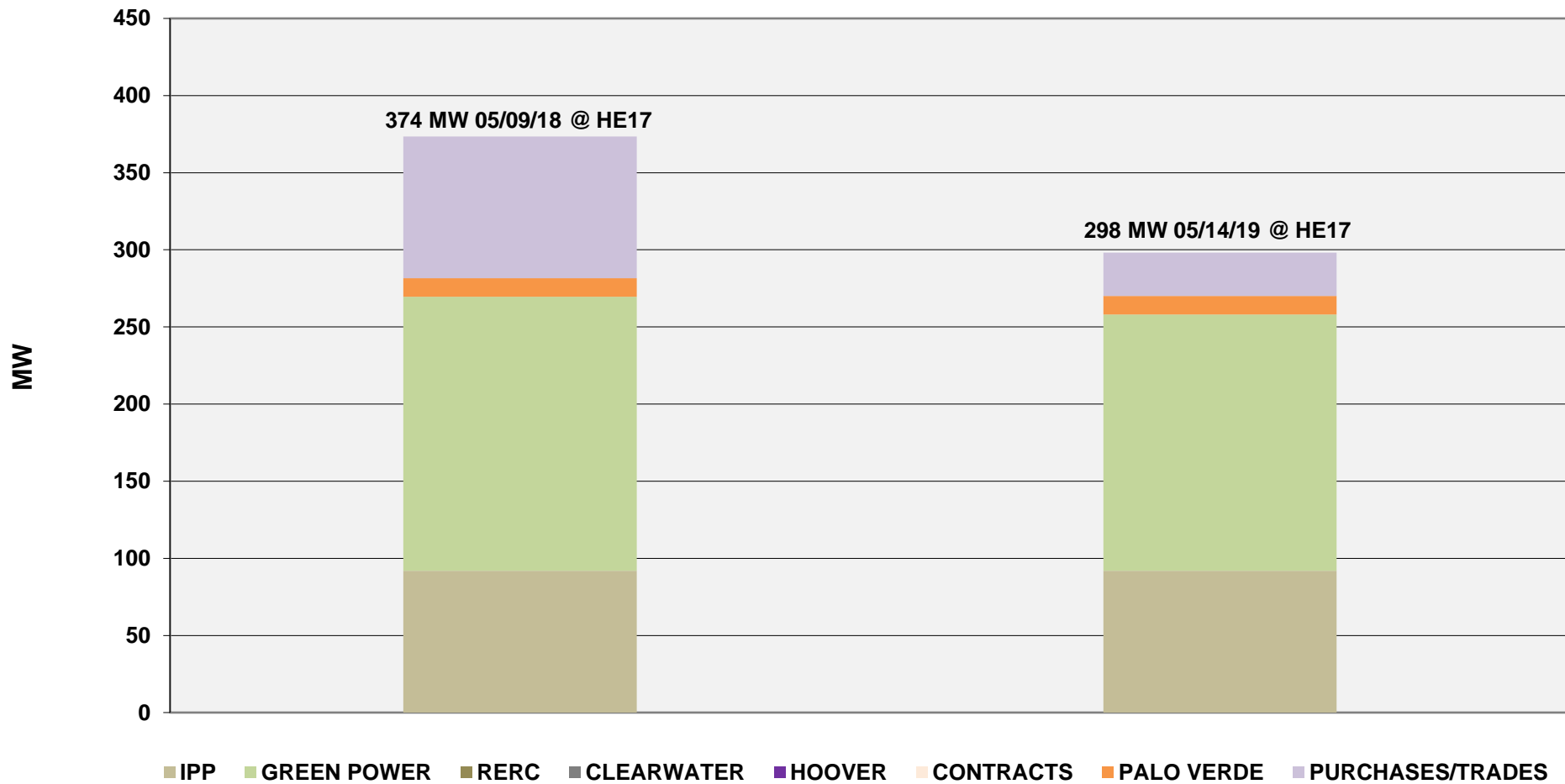


Chart 3
Retail Customer Load - May

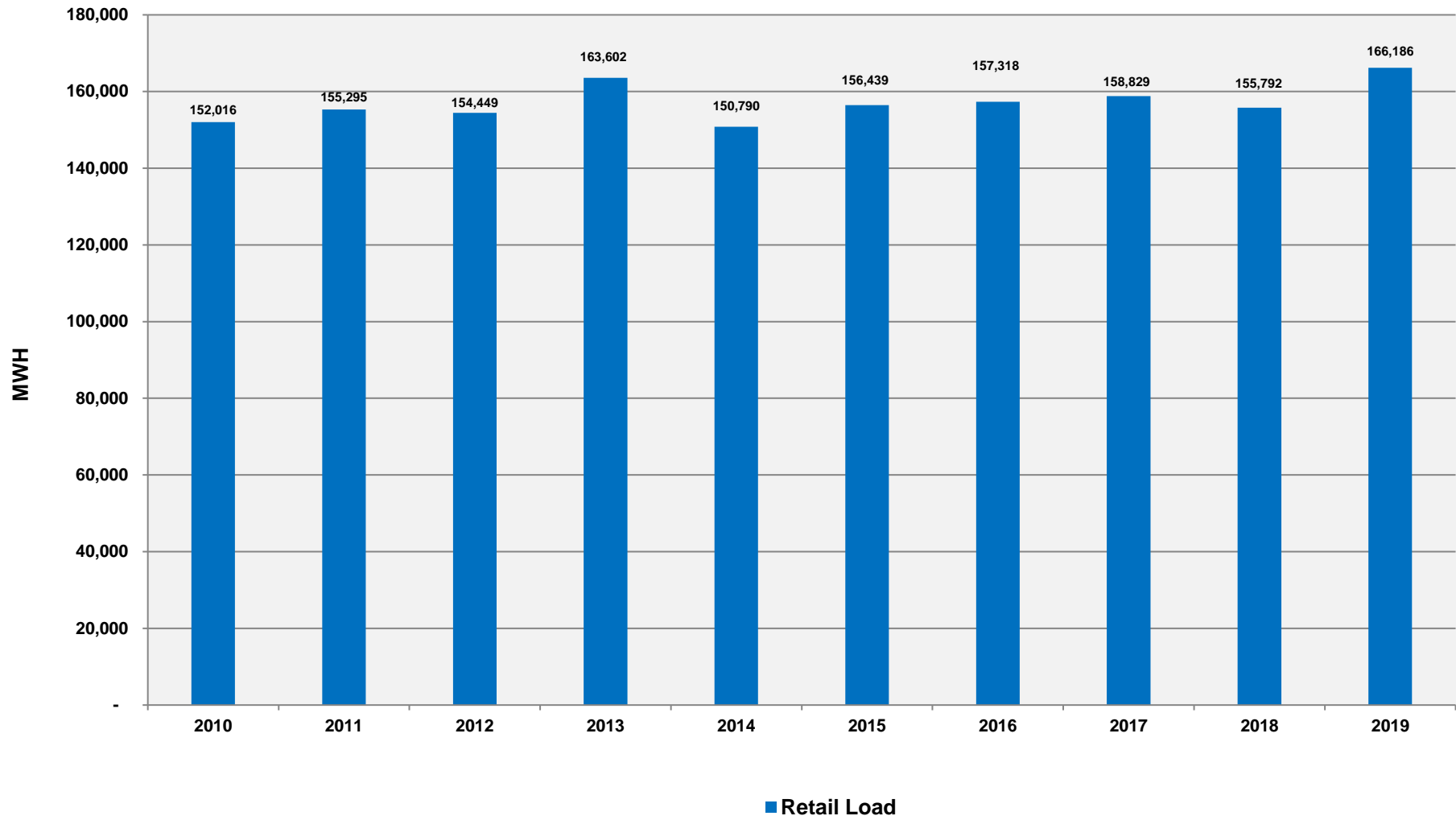


Chart 4
Daily Peak Load and Temperature Comparisons
May

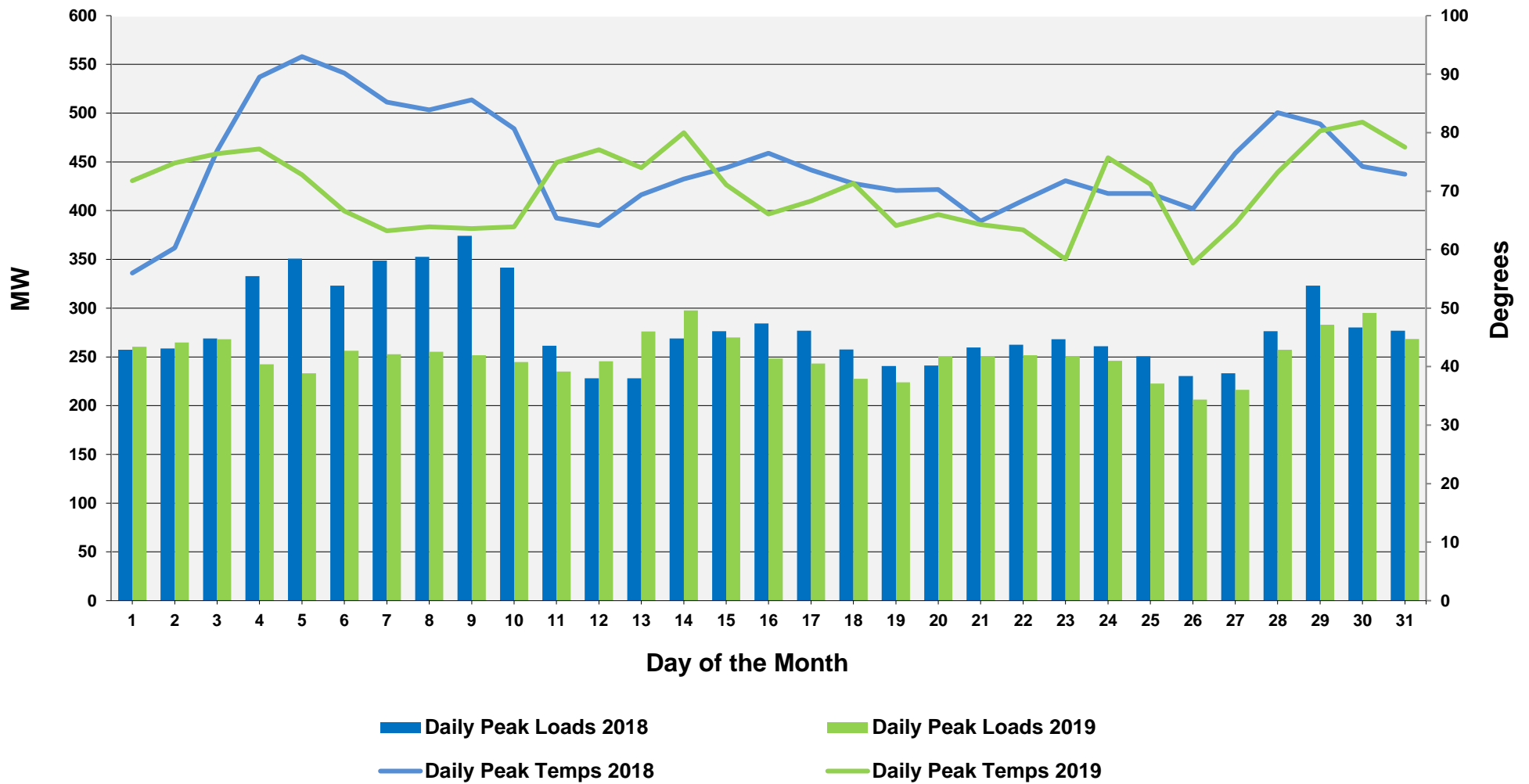


Chart 5
Monthly Peak Load & Temperature

