



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE OCTOBER 22, 2018

**GENERAL MANAGERS REPORT
ITEM NO:**

SUBJECT: MONTHLY POWER SUPPLY REPORT – August, 2018

Power Usage:

Wholesale Load (Vista): – 265,485 MWH (Chart 1)

Peak Demand: – 591 MW of which 466 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,504
b) Coal	75,887
c) Large Hydroelectric	2,347
d) Natural Gas	20,029
e) Renewables	71,523
f) Inter SC Trades	54,500
g) Green Inter SC Trades	-
h) CAISO Purchases	86,195
Total:	265,485

Total Green Power Supply – **71,523 MWH** which yields 26.94% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 98.26% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 74.45% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,347 MWH.

Natural Gas: Clearwater's availability was 100.00% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 98.60% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 72.01% capacity factor for the month.
Vulcan unit operated at 75.71% capacity factor for the month.
Wintec operated at 0.00% capacity factor.
WKN operated at 22.11% capacity factor.
Transwind operated at 28.27% capacity factor.
Kingbird Solar operated at 38.79% capacity factor.
Tequesquite Solar operated at 26.24% capacity factor.
AP North Lake Solar operated at 31.32% capacity factor.
Camelot Solar2 operated at 40.88% capacity factor.
Bigsky Solar3 operated at 39.59% capacity factor.
Bigsky Solar7 operated at 37.22% capacity factor.
Bigsky Solar1X operated at 40.33% capacity factor.

The attached graphical comparisons represents RPU's August:

- 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 - August

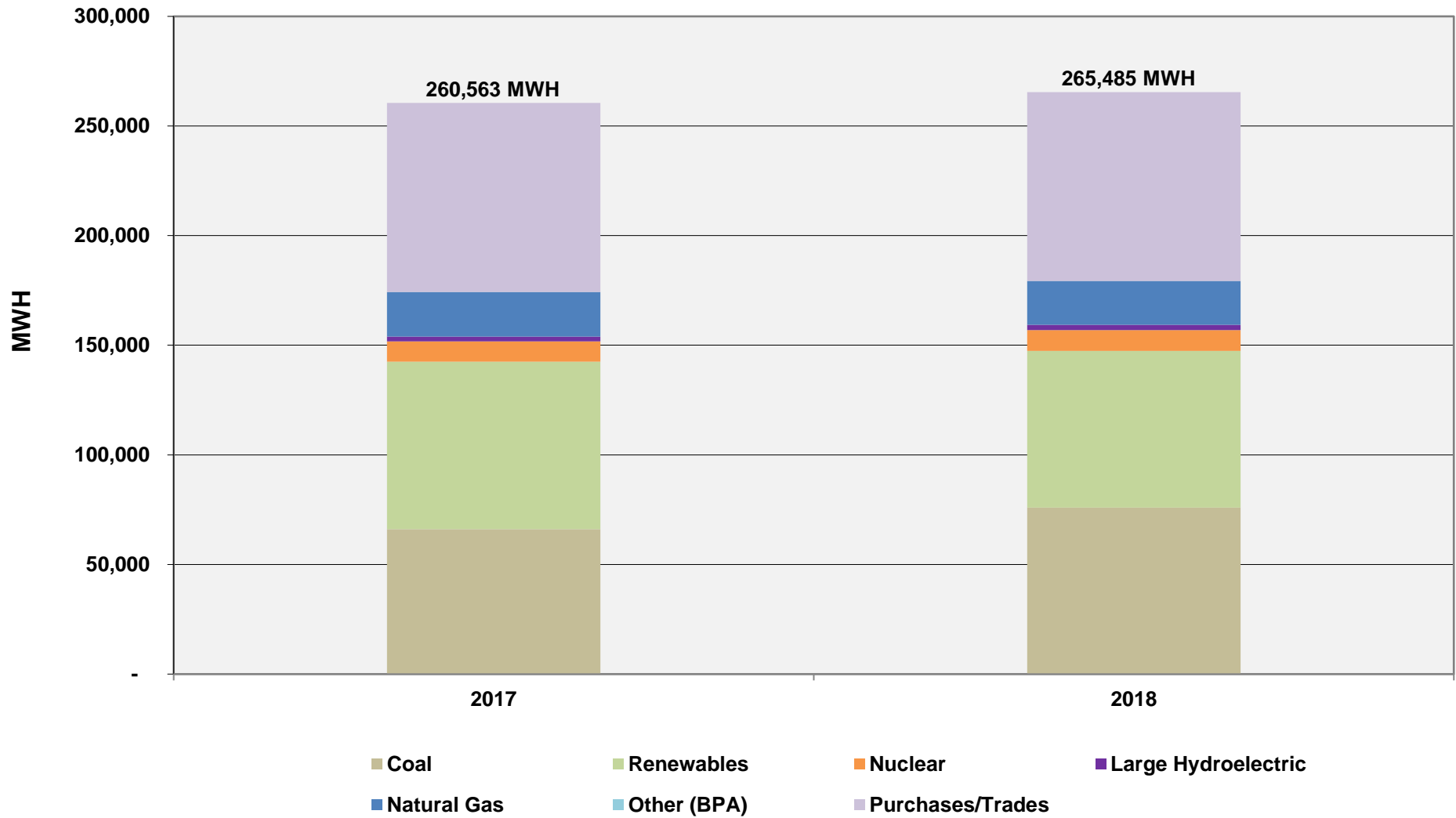


Chart 2
Peak Hour Total Capacity - August

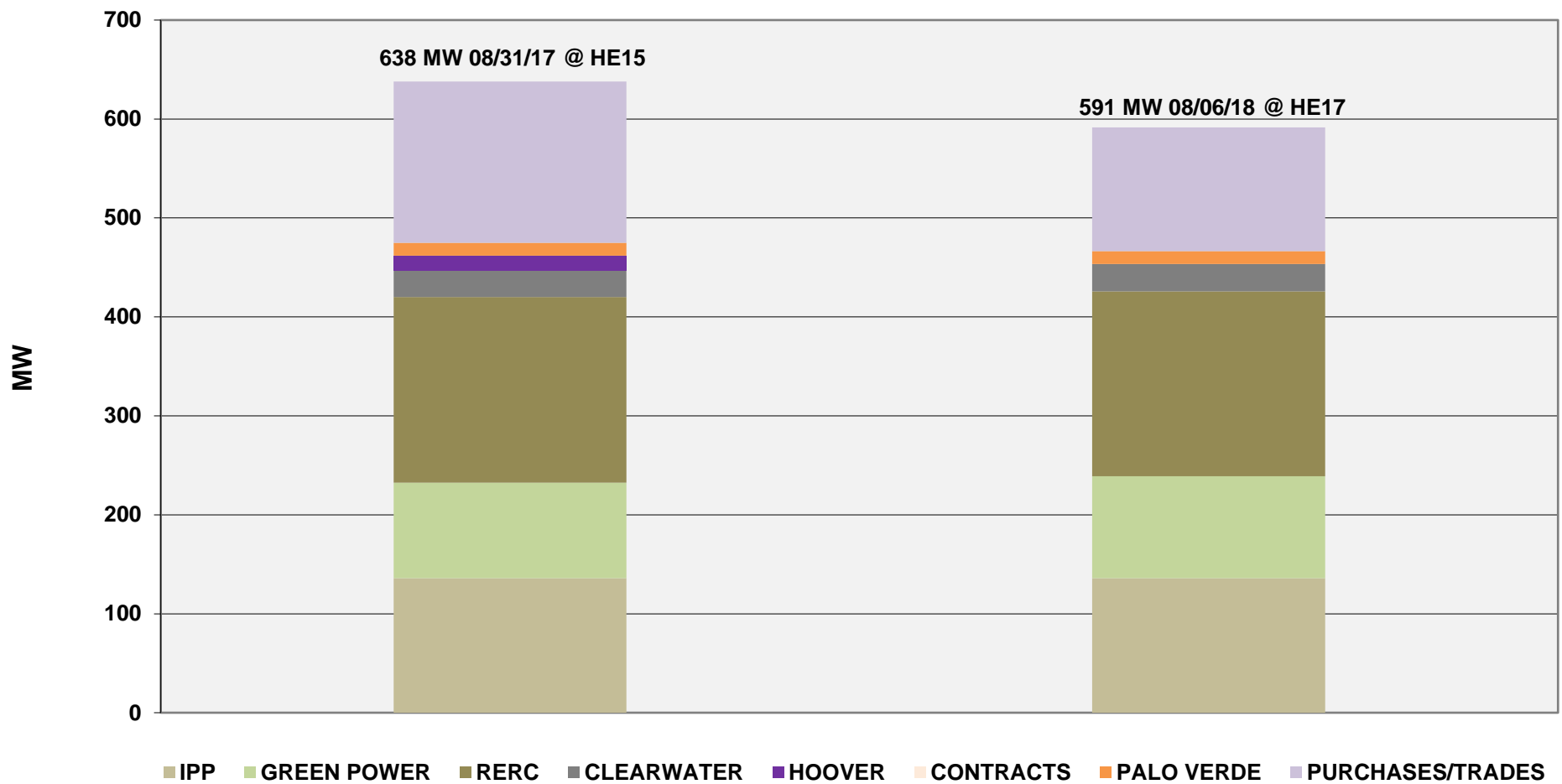


Chart 3
Retail Customer Load - August

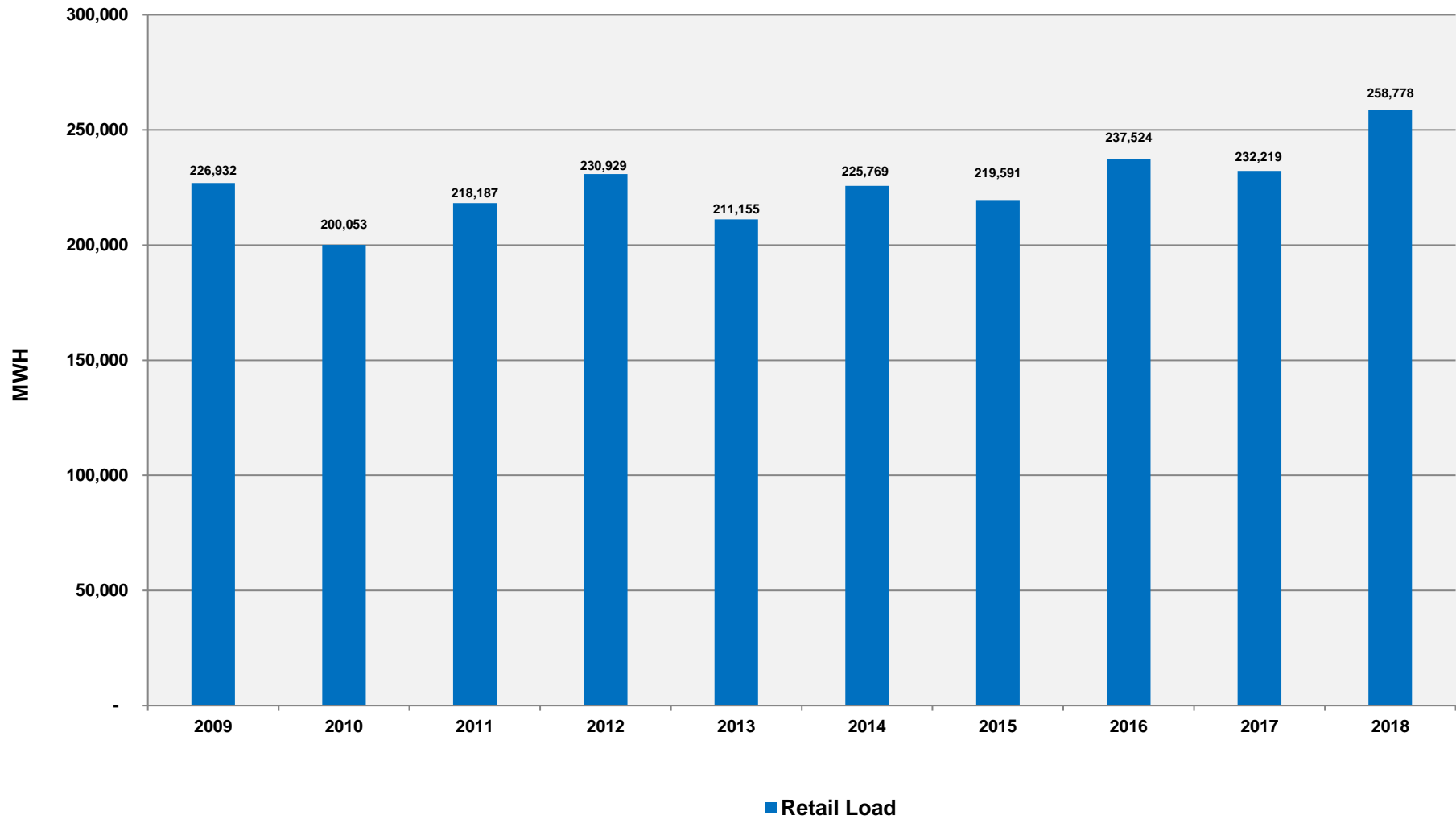


Chart 4
Daily Peak Load and Temperature Comparisons
August

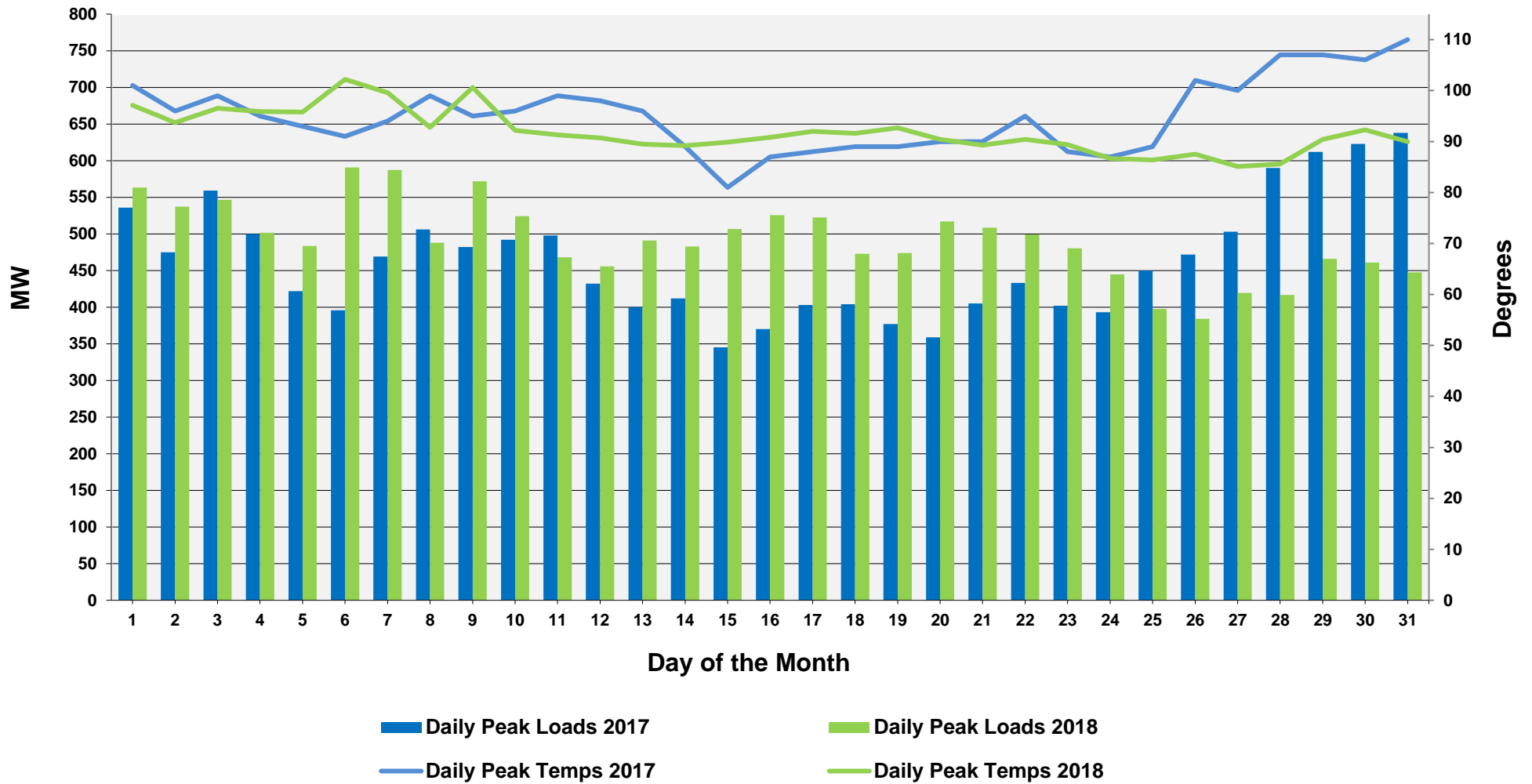


Chart 5
Monthly Peak Load & Temperature

