



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE APRIL 8, 2019

**GENERAL MANAGERS REPORT
ITEM NO:**

SUBJECT: MONTHLY POWER SUPPLY REPORT – February, 2019

Power Usage:

Wholesale Load (Vista): – 152,498 MWH (Chart 1)

Peak Demand: – 290 MW of which 255 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,550
b) Coal	63,244
c) Large Hydroelectric	2,152
d) Natural Gas	9,962
e) Renewables	65,967
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	<u>2,924</u>
Total:	152,498

Total Green Power Supply – **65,967 MWH** which yields 43.26% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 97.87% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 68.70% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,152 MWH.

Natural Gas: Clearwater's availability was 100.00% for the month.
RERC's (Units 1, 2, 3 and 4) availability was 93.91% for the month.
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 87.56% capacity factor for the month.
Vulcan unit operated at 83.65% capacity factor for the month.
Wintec operated at 4.20% capacity factor.
WKN operated at 1.32% capacity factor.
Transwind operated at 11.14% capacity factor.
Kingbird Solar operated at 22.30% capacity factor.
Tequesquite Solar operated at 16.78% capacity factor.
AP North Lake Solar operated at 17.31% capacity factor.
Camelot Solar2 operated at 24.54% capacity factor.
Bigsky Solar3 operated at 22.83% capacity factor.
Bigsky Solar7 operated at 19.82% capacity factor.
Bigsky Solar1X operated at 21.32% capacity factor.

The attached graphical comparisons represents RPU's February:

- 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 - February

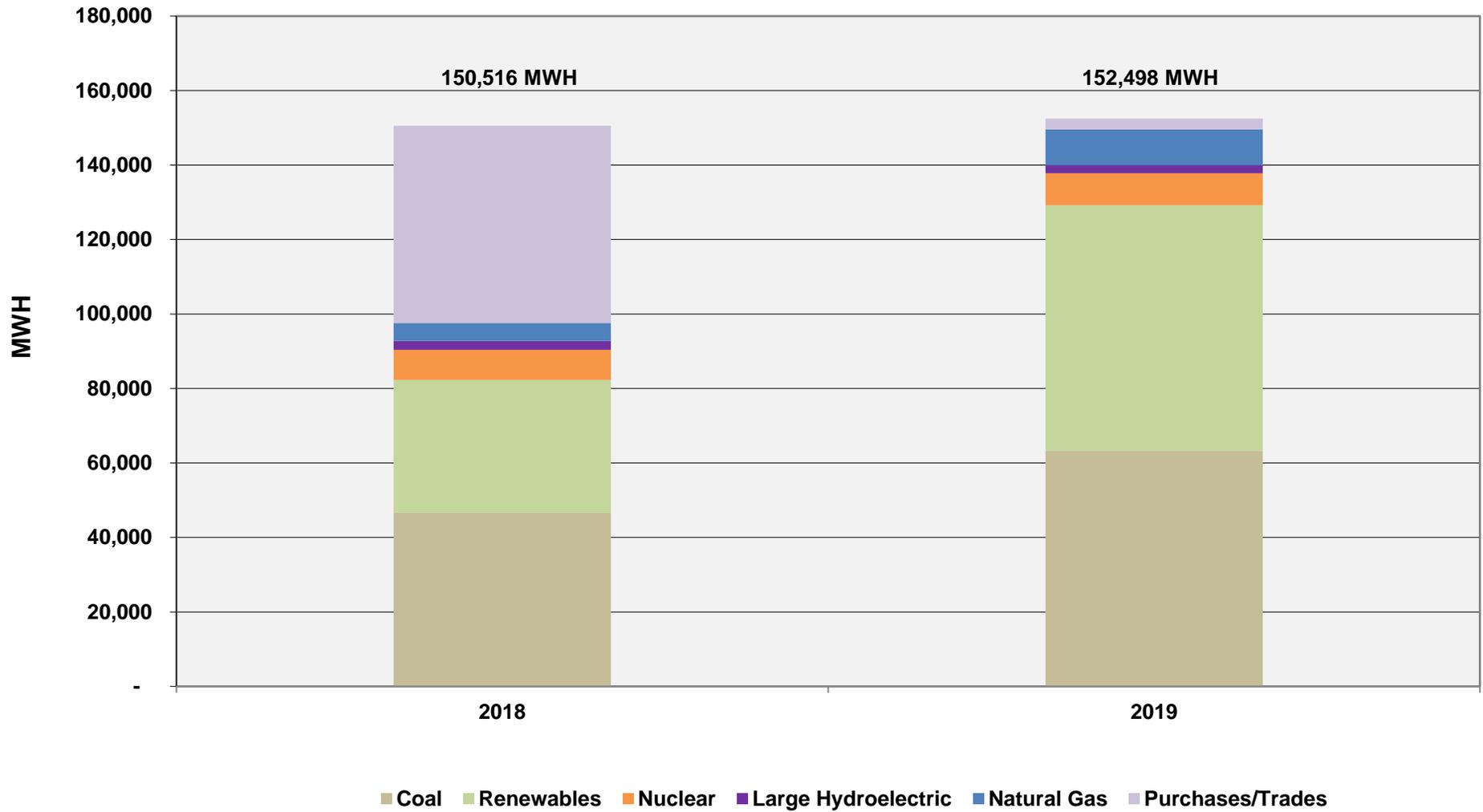


Chart 2
Peak Hour Total Capacity - February

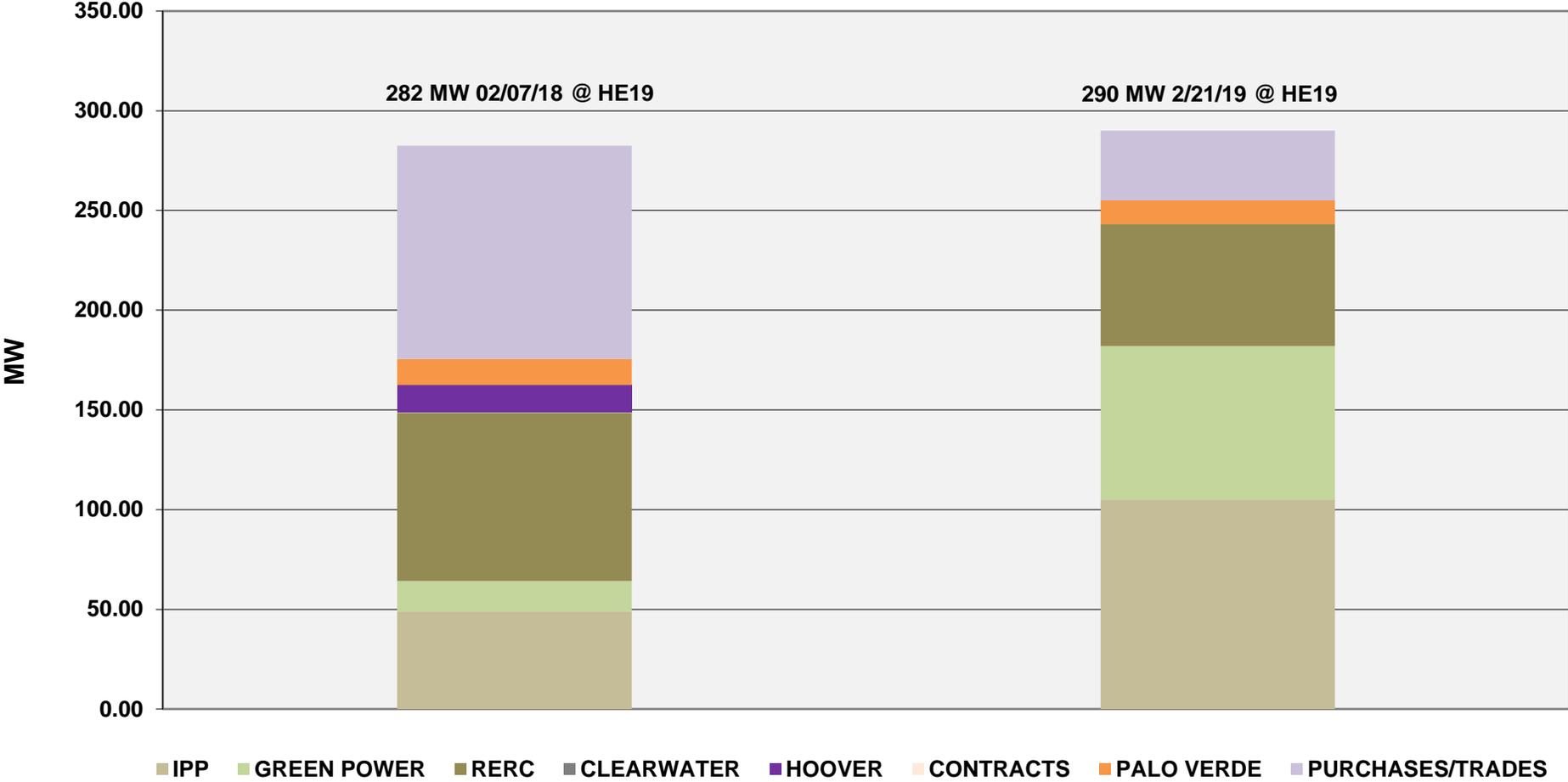


Chart 3
Retail Customer Load - February

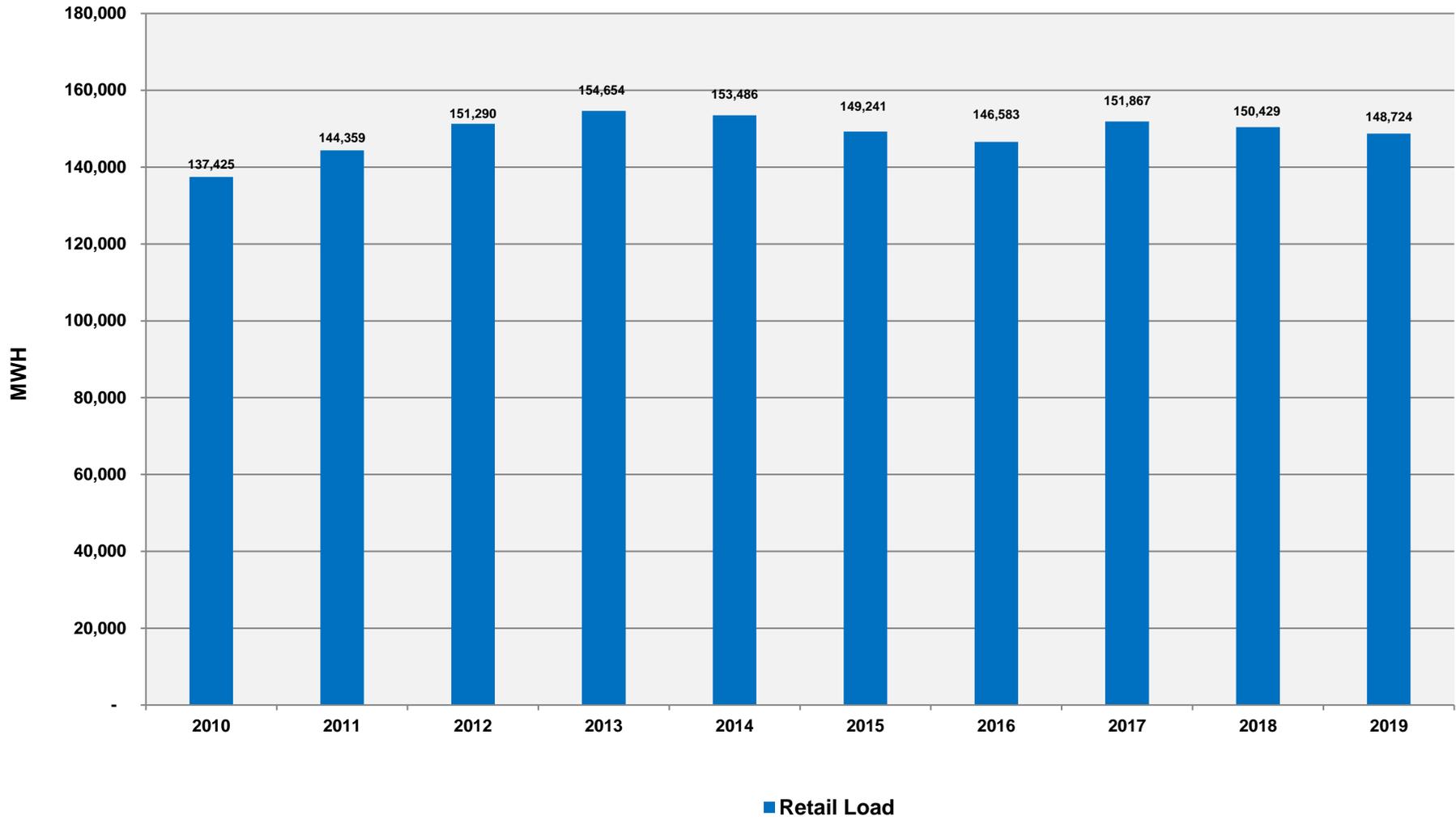
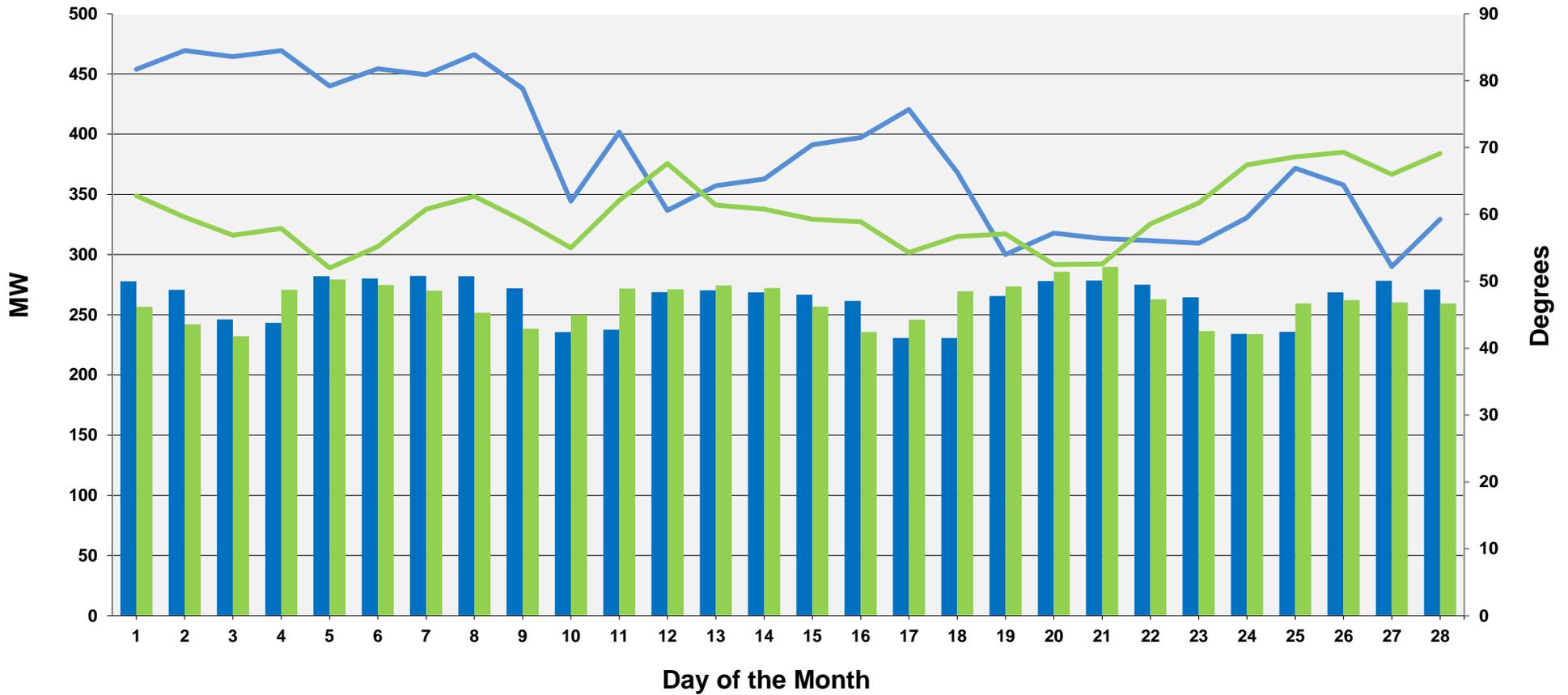


Chart 4
Daily Peak Load and Temperature Comparisons
February



■ Daily Peak Loads 2018 ■ Daily Peak Loads 2019
— Daily Peak Temps 2018 — Daily Peak Temps 2019

Chart 5 Monthly Peak Load & Temperature

