

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: MAY 22, 2017

**GENERAL MANAGERS REPORT
ITEM NO:** 25

SUBJECT: MONTHLY POWER SUPPLY REPORT – March 2017

Power Usage:

Wholesale Load (Vista): – 164,872 MWH (Chart 1)
 Peak Demand: – 341 MW of which 195 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,146
b) Coal	38,986
c) Large Hydroelectric	3,188
d) Natural Gas	7,955
e) Renewables	66,255
f) Inter SC Trades	18,575
g) Green Inter SC Trades	-
h) CAISO Purchases	<u>21,767</u>
Total:	164,872

Total Green Power Supply – **66,255 MWH** which yields 40.19% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 84.22% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 38.25% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 21 MW, with energy entitlement of 3,188 MWH.

Natural Gas: Clearwater's availability was 99.29% for the month.
 RERC's (Units 1, 2, 3 and 4) availability was 99.60% for the month.
 Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 98.08% capacity factor for the month.
 Vulcan unit operated at 23.45% capacity factor for the month.
 Wintec operated at 33.18% capacity factor.
 WKN operated at 32.74% capacity factor.
 Transwind operated at 15.39% capacity factor.
 Kingbird Solar operated at 34.85% capacity factor.
 Tequesquite Solar operated at 25.95% capacity factor.
 AP North Lake Solar operated at 27.88% capacity factor.
 Camelot Solar2 operated at 33.96% capacity factor.
 Bigsky Solar1X operated at 33.24% capacity factor.
 Bigsky Solar3 operated at 33.48% capacity factor.
 Bigsky Solar7 operated at 31.93% 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

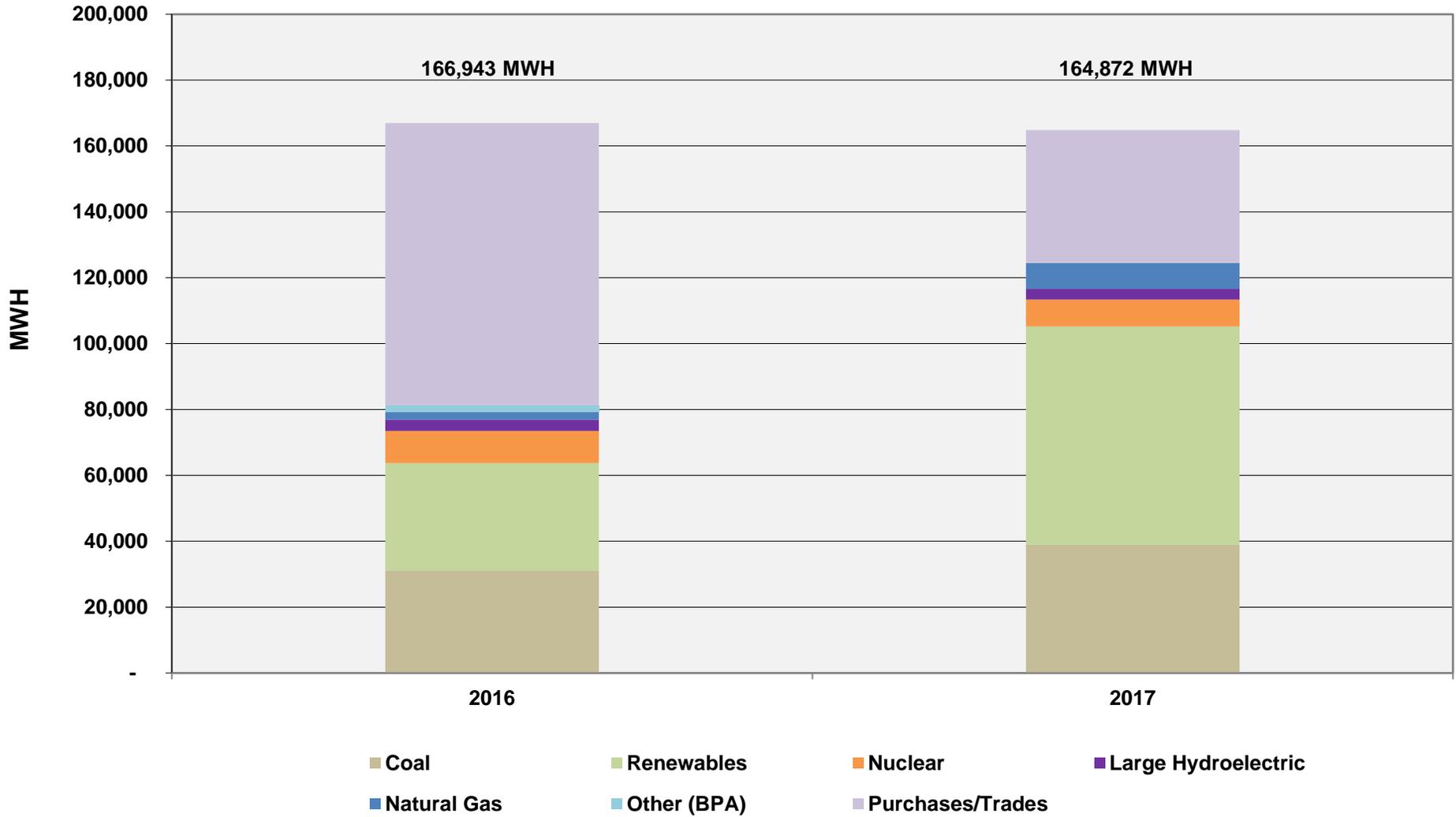


Chart 2
Peak Hour Total Capacity - March

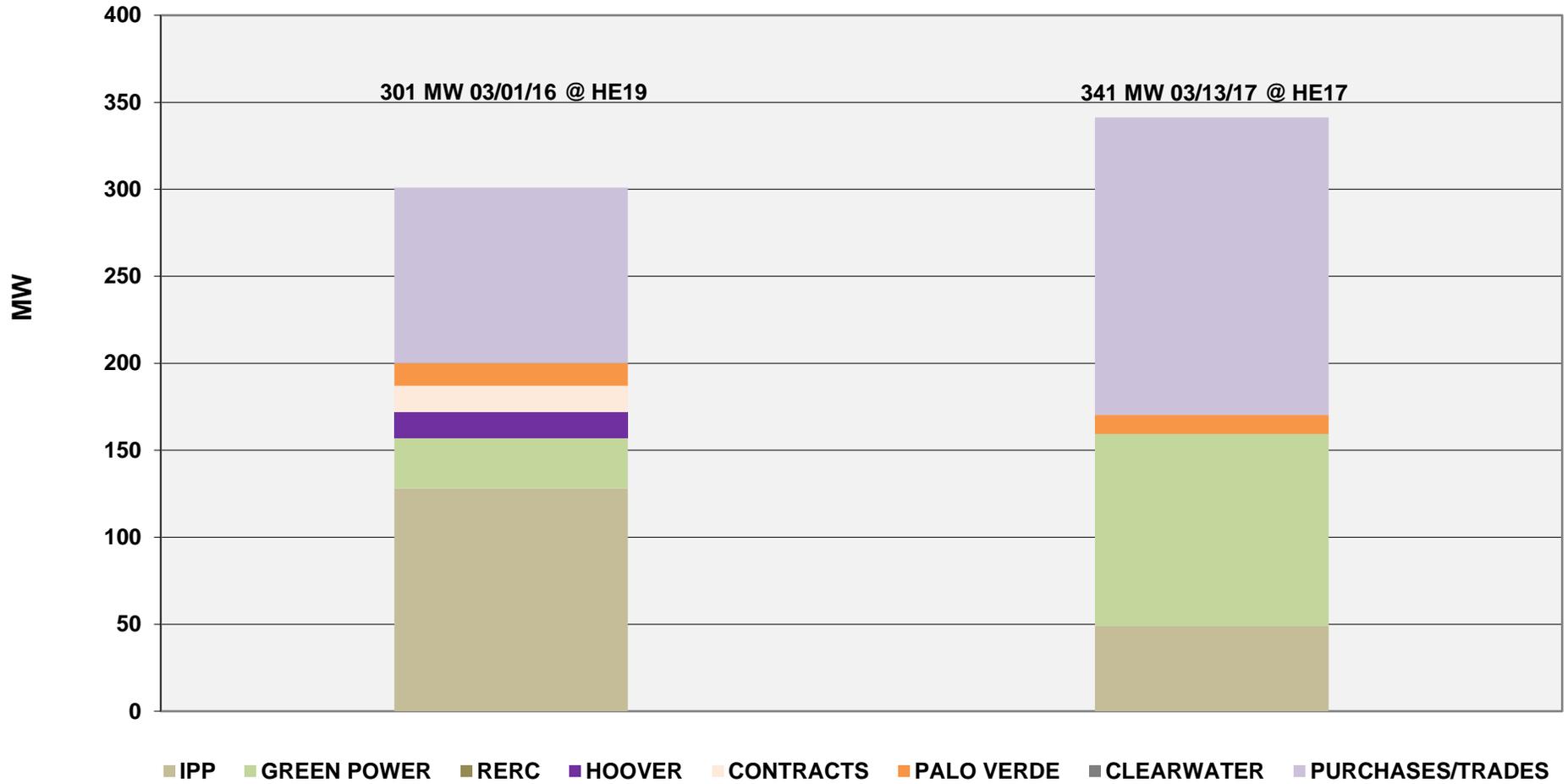


Chart 3
Retail Customer Load - March

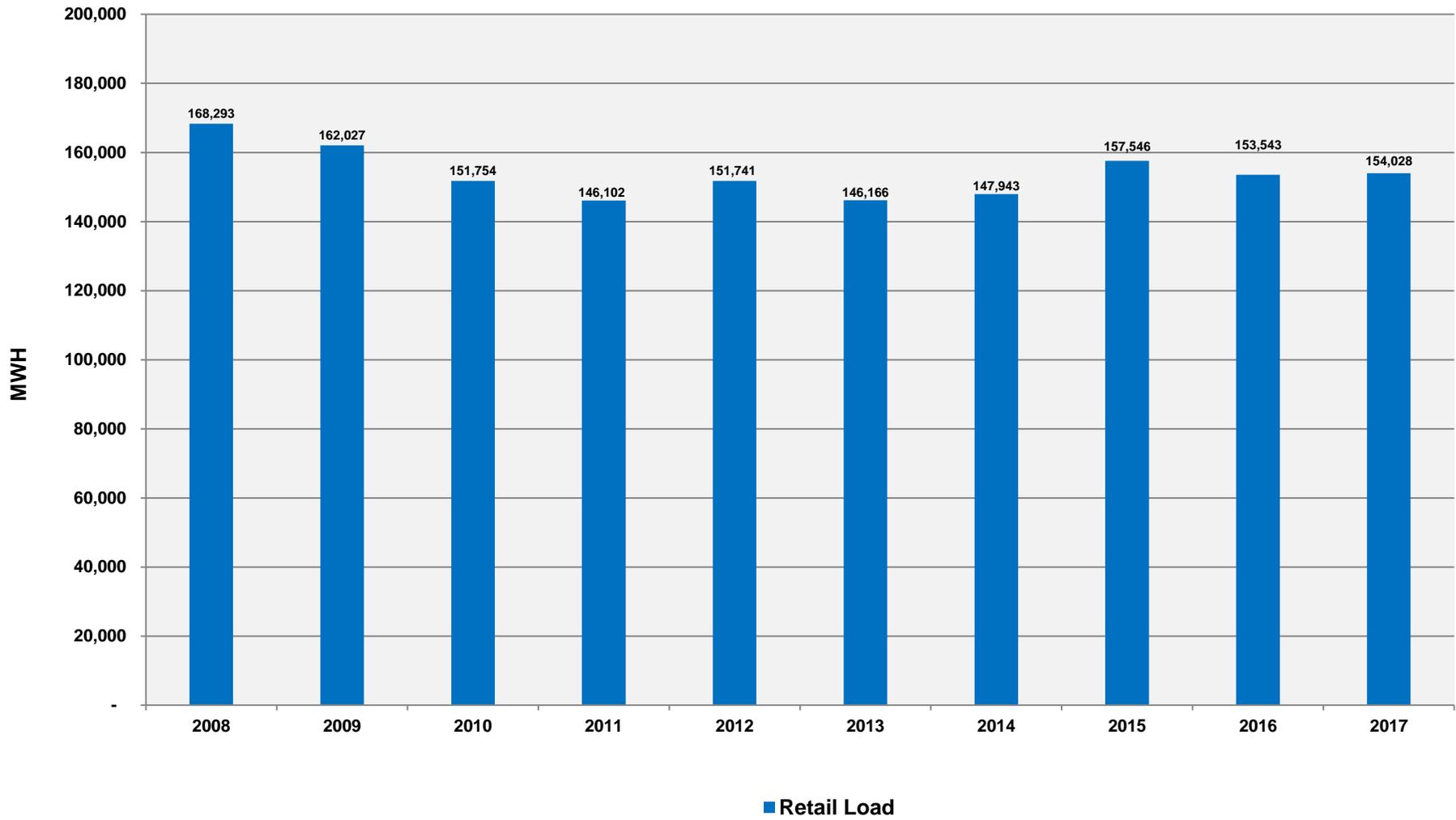
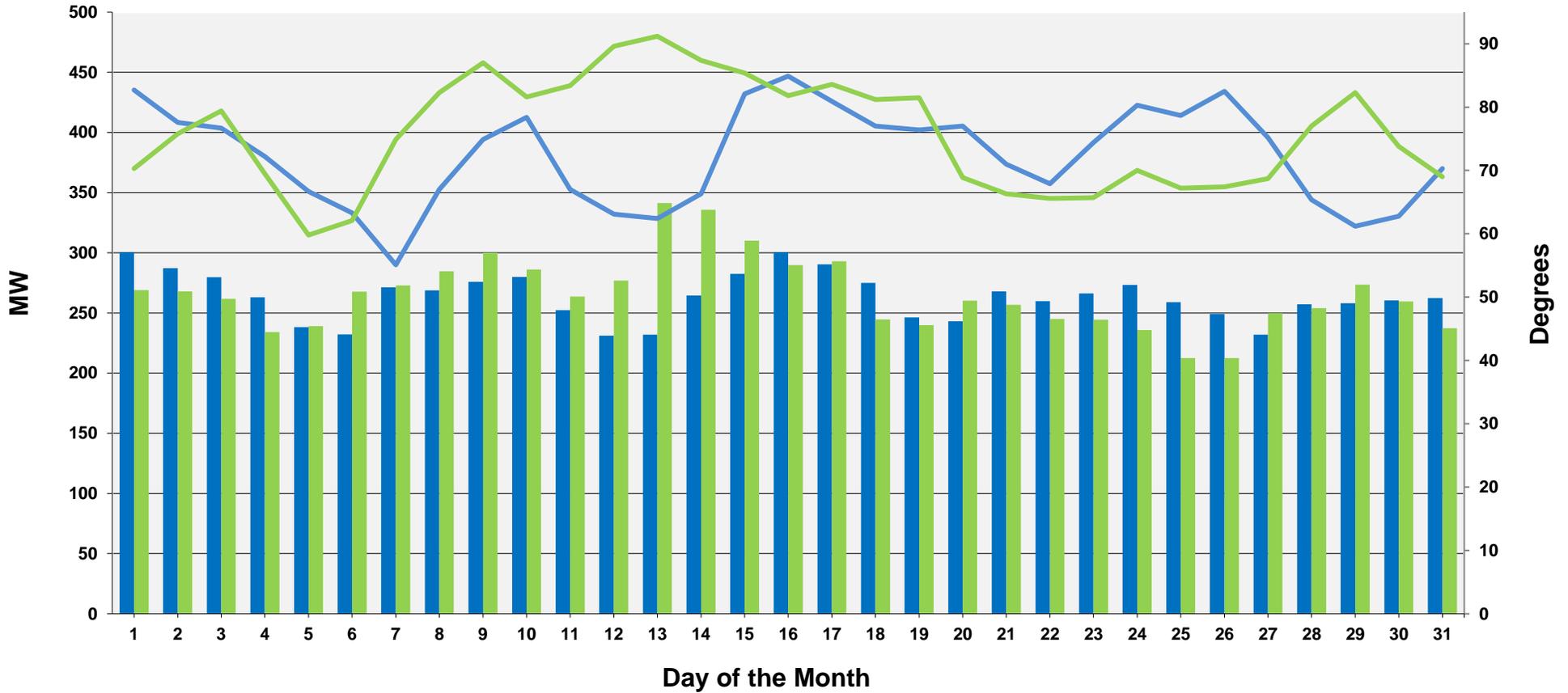


Chart 4
Daily Peak Load and Temperature Comparisons
March



■ Daily Peak Loads 2016 ■ Daily Peak Loads 2017
— Daily Peak Temps 2016 — Daily Peak Temps 2017

Chart 5 Monthly Peak Load & Temperature

