



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** APRIL 10, 2017

**GENERAL MANAGERS REPORT  
ITEM NO: 21**

**SUBJECT: MONTHLY POWER SUPPLY REPORT – February 2017**

Power Usage:

Wholesale Load (Vista): – 150,218 MWH (Chart 1)

Peak Demand: – 282 MW of which 223 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,390
b) Coal	44,285
c) Large Hydroelectric	1,711
d) Natural Gas	6,067
e) Renewables	43,358
f) Inter SC Trades	(242)
g) Green Inter SC Trades	-
h) CAISO Purchases	45,649
Total:	150,218

**Total Green Power Supply** – **43,358 MWH** which yields 28.86% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 99.81% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 48.1% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 1,711 MWH.

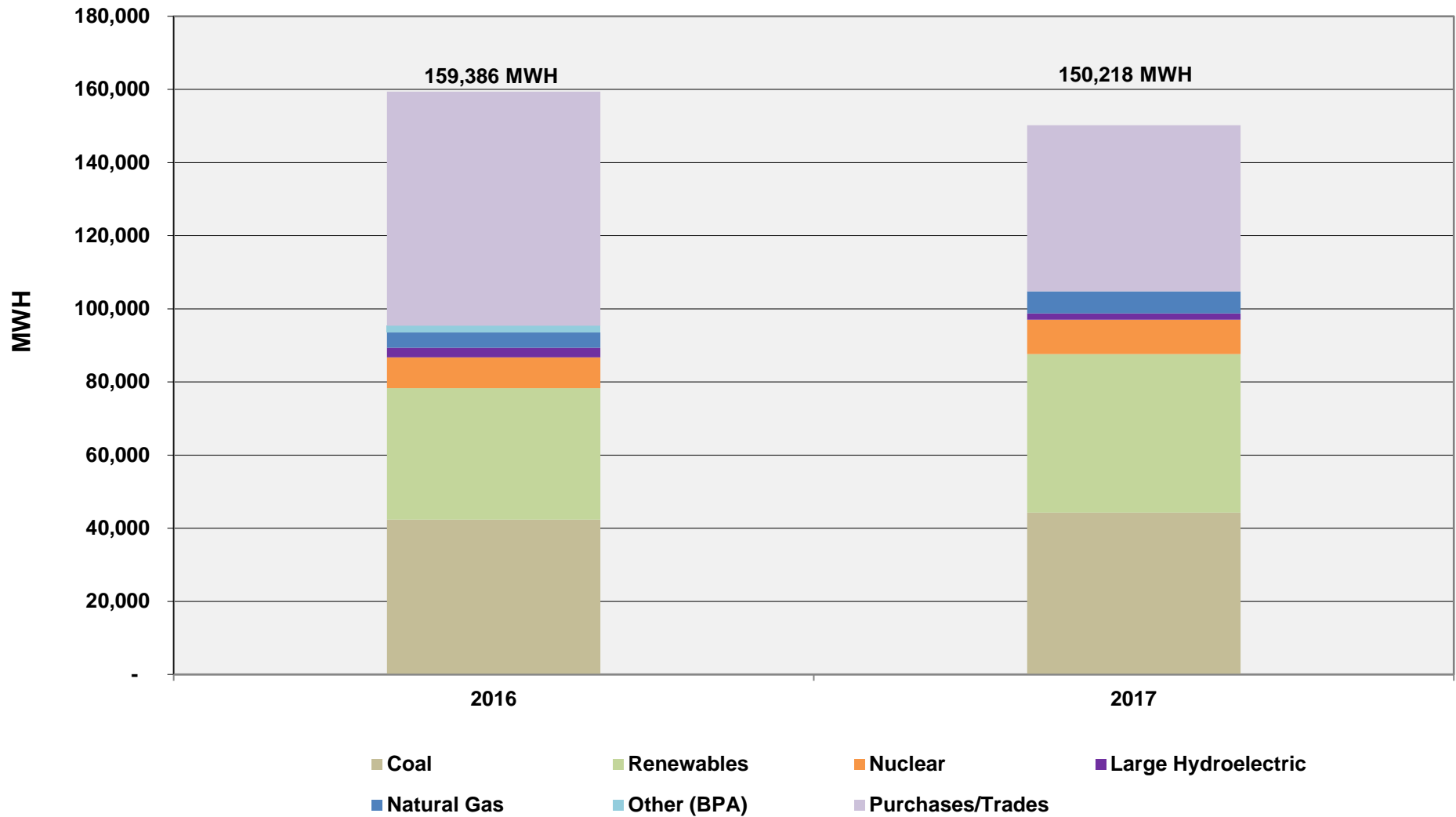
Natural Gas: Clearwater's availability was 100% for the month.  
RERC's (Units 1, 2, 3 and 4) availability was 100.00% for the month.  
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 47.84% capacity factor for the month.  
Vulcan unit operated at 70.55% capacity factor for the month.  
Wintec operated at 30.86% capacity factor.  
WKN operated at 32.52% capacity factor.  
Transwind operated at 16.32% capacity factor.  
Kingbird Solar operated at 23.66% capacity factor.  
Tequesquite Solar operated at 15.30% capacity factor.  
AP North Lake Solar operated at 16.34% capacity factor.  
Camelot Solar2 operated at 24.65% capacity factor.  
Bigsky Solar1X operated at 21.74% capacity factor.  
Bigsky Solar3 operated at 22.06% capacity factor.  
Bigsky Solar7 operated at 19.31% capacity factor.

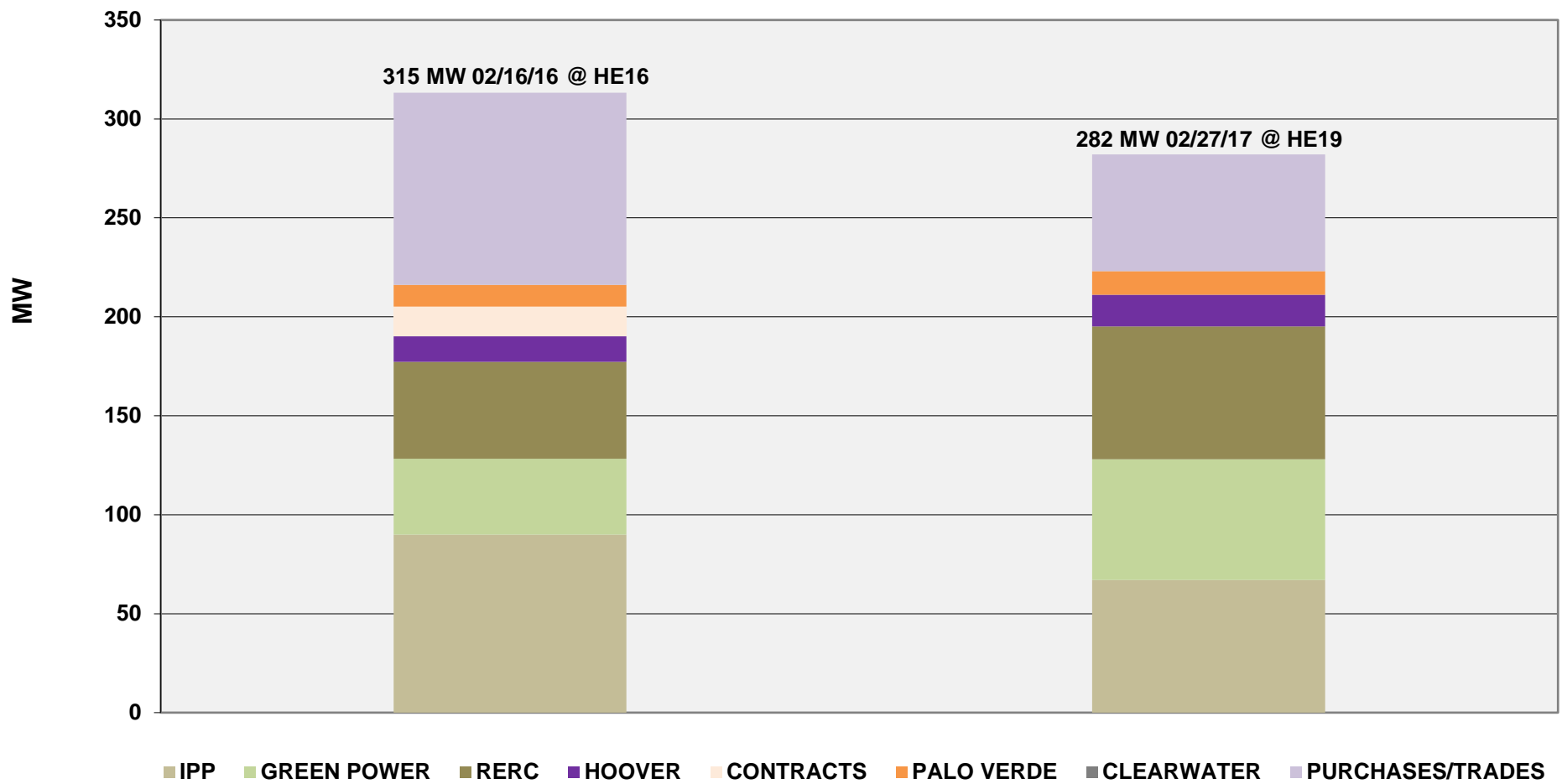
The attached graphical comparisons represents RPU's February:

- 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

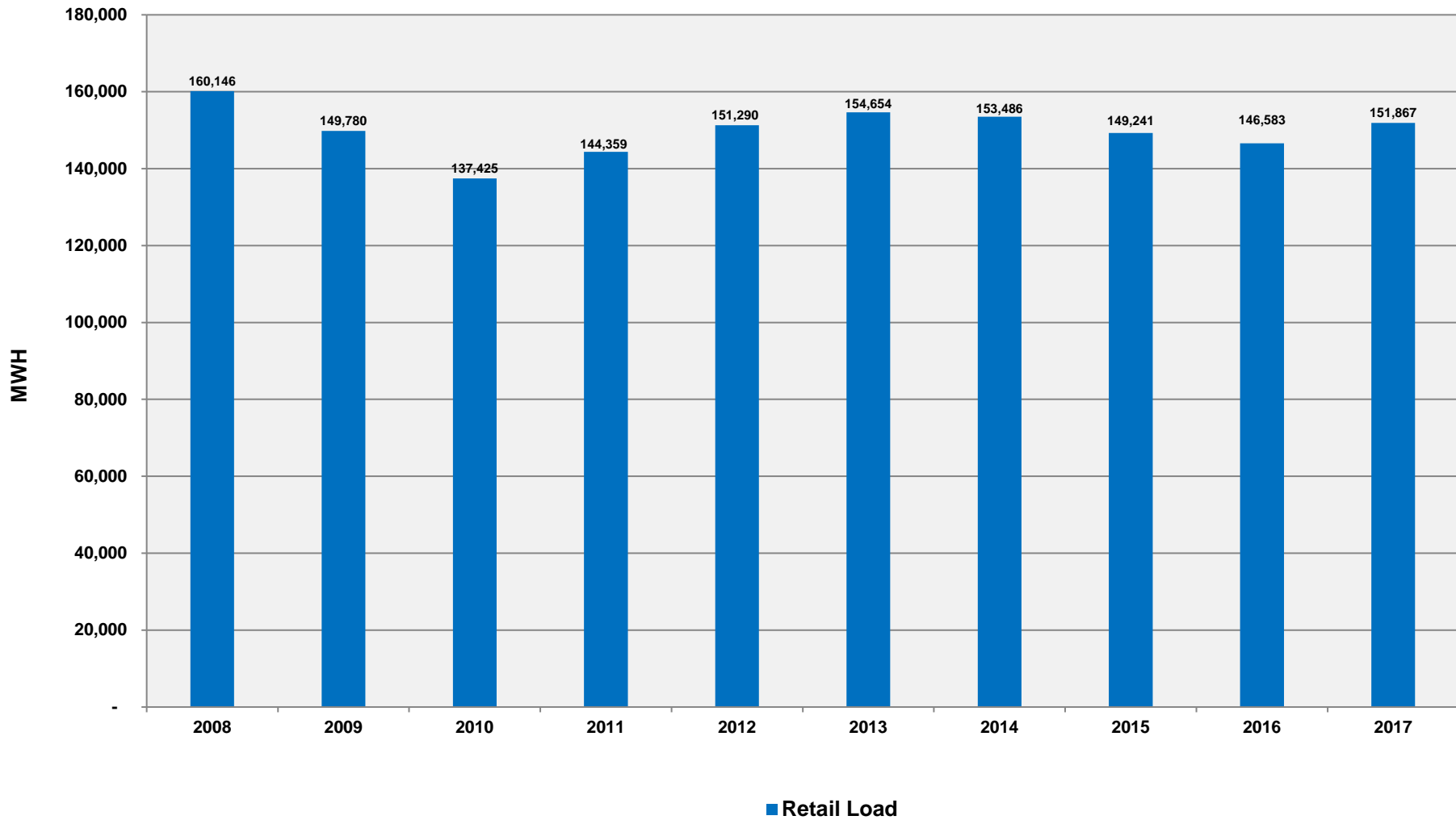
**Chart 1**  
**Total Energy Requirements/Resource Mix - February**



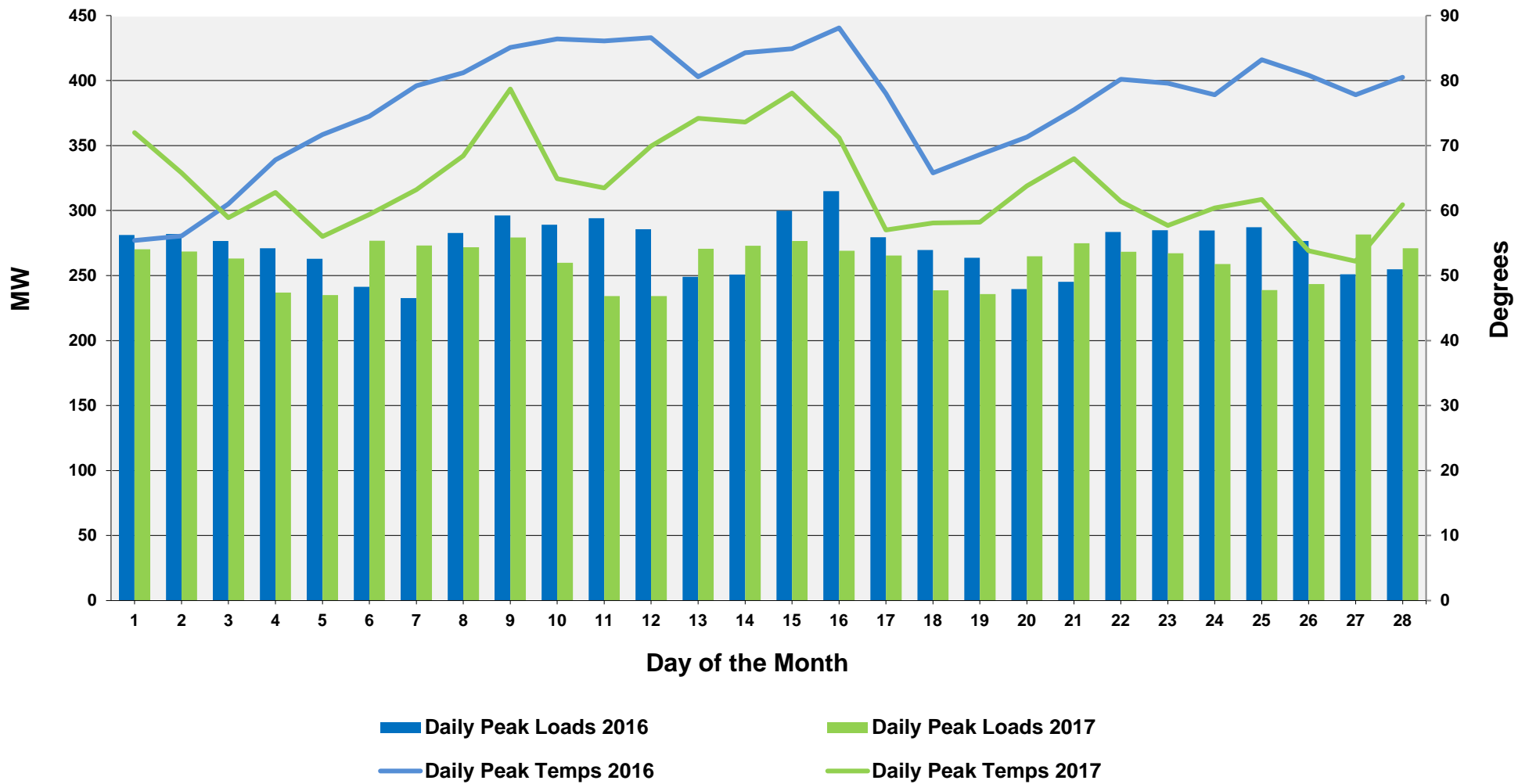
**Chart 2**  
**Peak Hour Total Capacity - February**



**Chart 3**  
**Retail Customer Load - February**



**Chart 4**  
**Daily Peak Load and Temperature Comparisons**  
**February**



**Chart 5**  
**Monthly Peak Load & Temperature**

