

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** MARCH 13, 2017

**GENERAL MANAGERS REPORT  
ITEM NO:** 16

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

Power Usage:

Wholesale Load (Vista): – 169,662 MWH (Chart 1)

Peak Demand: – 290 MW of which 265 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,672
b) Coal	59,797
c) Large Hydroelectric	1,606
d) Natural Gas	3,949
e) Renewables	33,198
f) Inter SC Trades	10,000
g) Green Inter SC Trades	-
h) CAISO Purchases	51,140
Total:	169,662

**Total Green Power Supply** – **33,198 MWH** which yields 19.57% of the Total Wholesale Load Requirement

Resource Availability:

**Nuclear:** Palo Verde units 1, 2 and 3 operated at 100.00% capacity factor for the month.

**Coal:** IPP units 1 and 2 operated at 58.67% capacity factor for the month.

**Large Hydro:** Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 1,606 MWH.

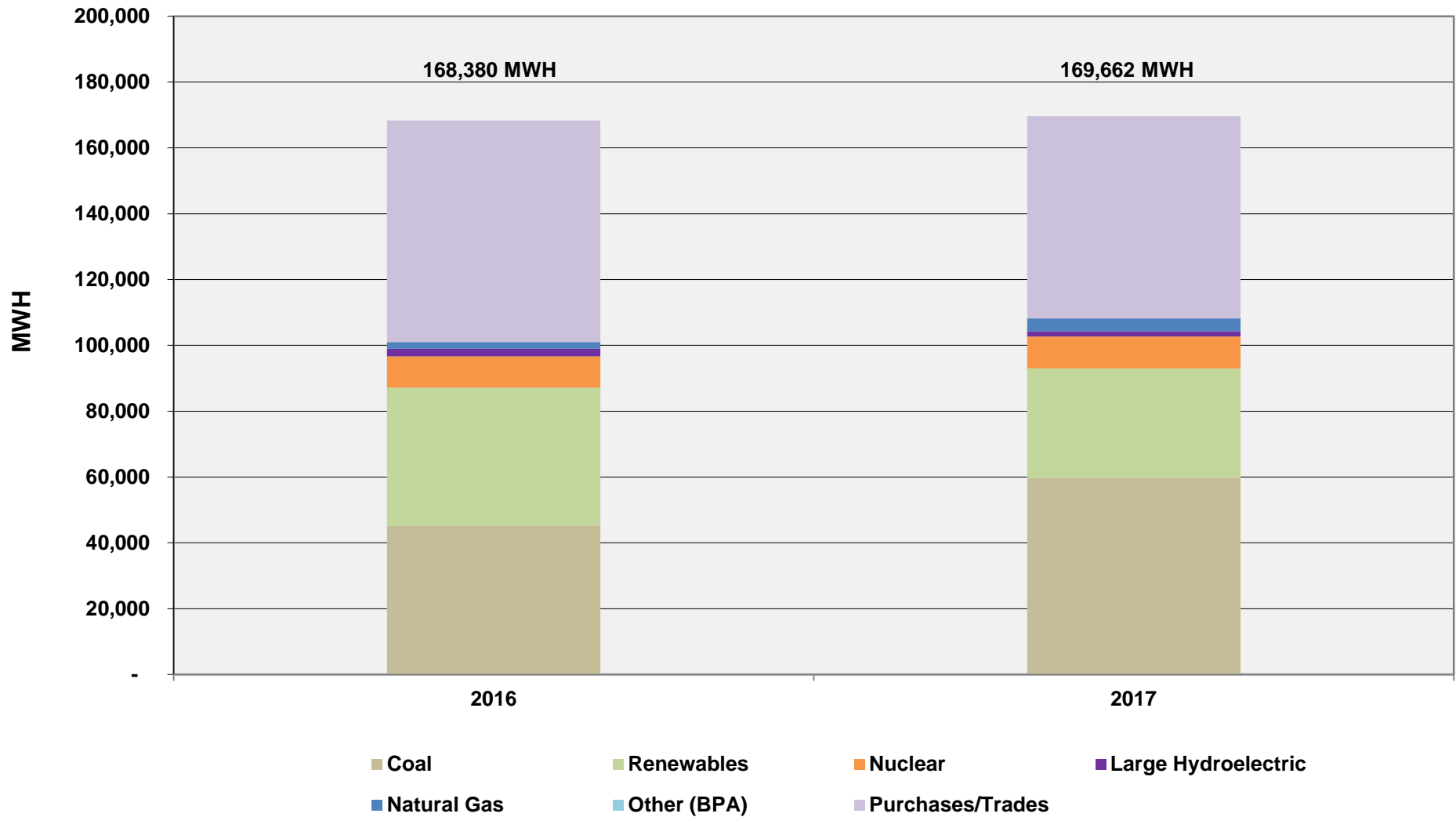
**Natural Gas:** Clearwater's availability was 100% for the month.  
RERC's (Units 1, 2, 3 and 4) availability was 100.00% for the month.  
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

**Renewable:** Salton Sea units operated at 18.89% capacity factor for the month.  
Vulcan unit operated at 72.20% capacity factor for the month.  
Wintec operated at 19.01% capacity factor.  
WKN operated at 19.50% capacity factor.  
Transwind operated at 10.54% capacity factor.  
Kingbird Solar operated at 18.99% capacity factor.  
Tequesquite Solar operated at 12.41% capacity factor.  
AP North Lake Solar operated at 13.53% capacity factor.  
Camelot Solar2 operated at 18.48% capacity factor.  
Bigsky Solar1X operated at 16.88% capacity factor.  
Bigsky Solar3 operated at 17.56% capacity factor.  
Bigsky Solar7 operated at 16.08% capacity factor.

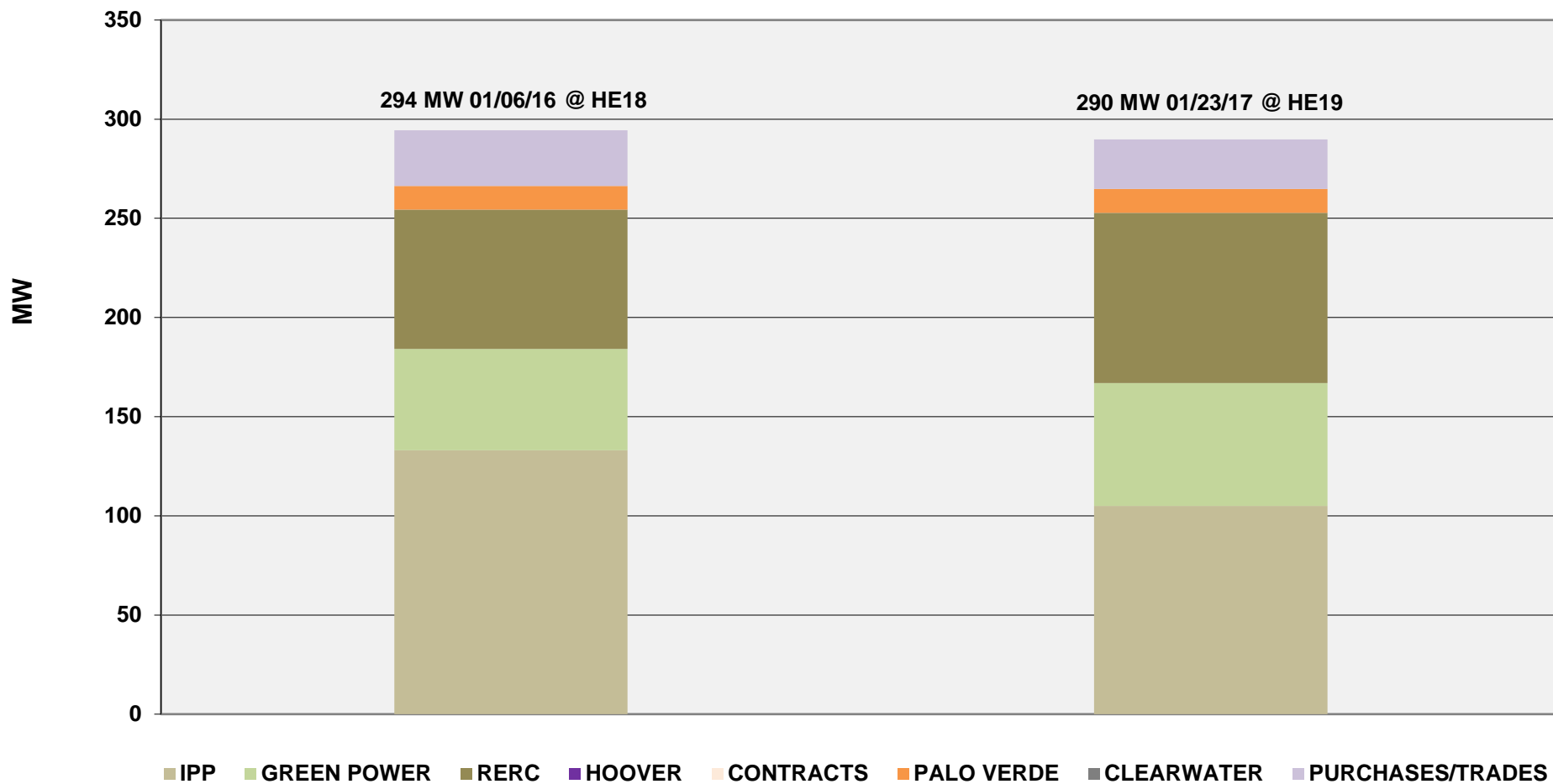
The attached graphical comparisons represents RPU's January:

- 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

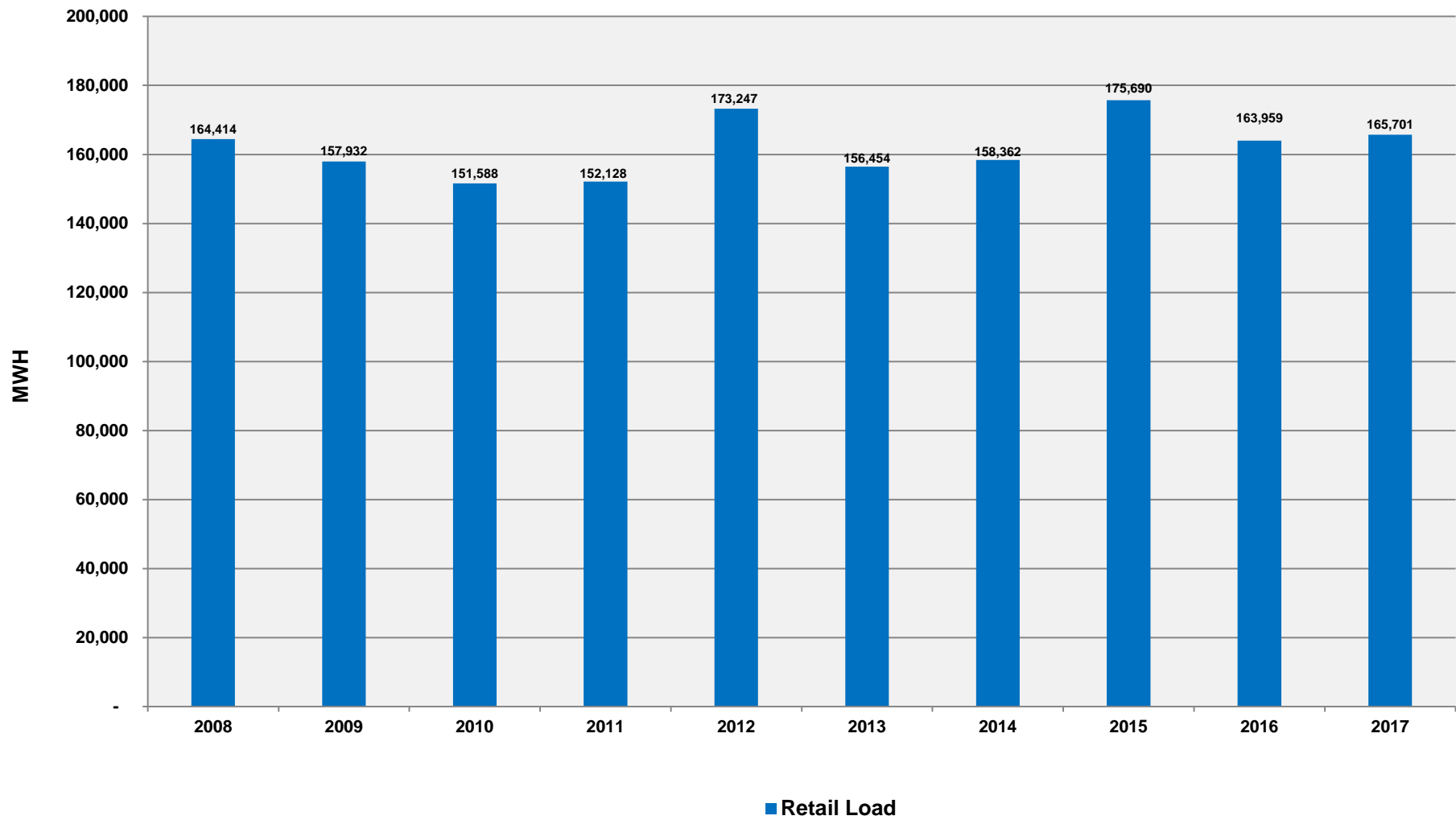
**Chart 1**  
**Total Energy Requirements/Resource Mix - January**



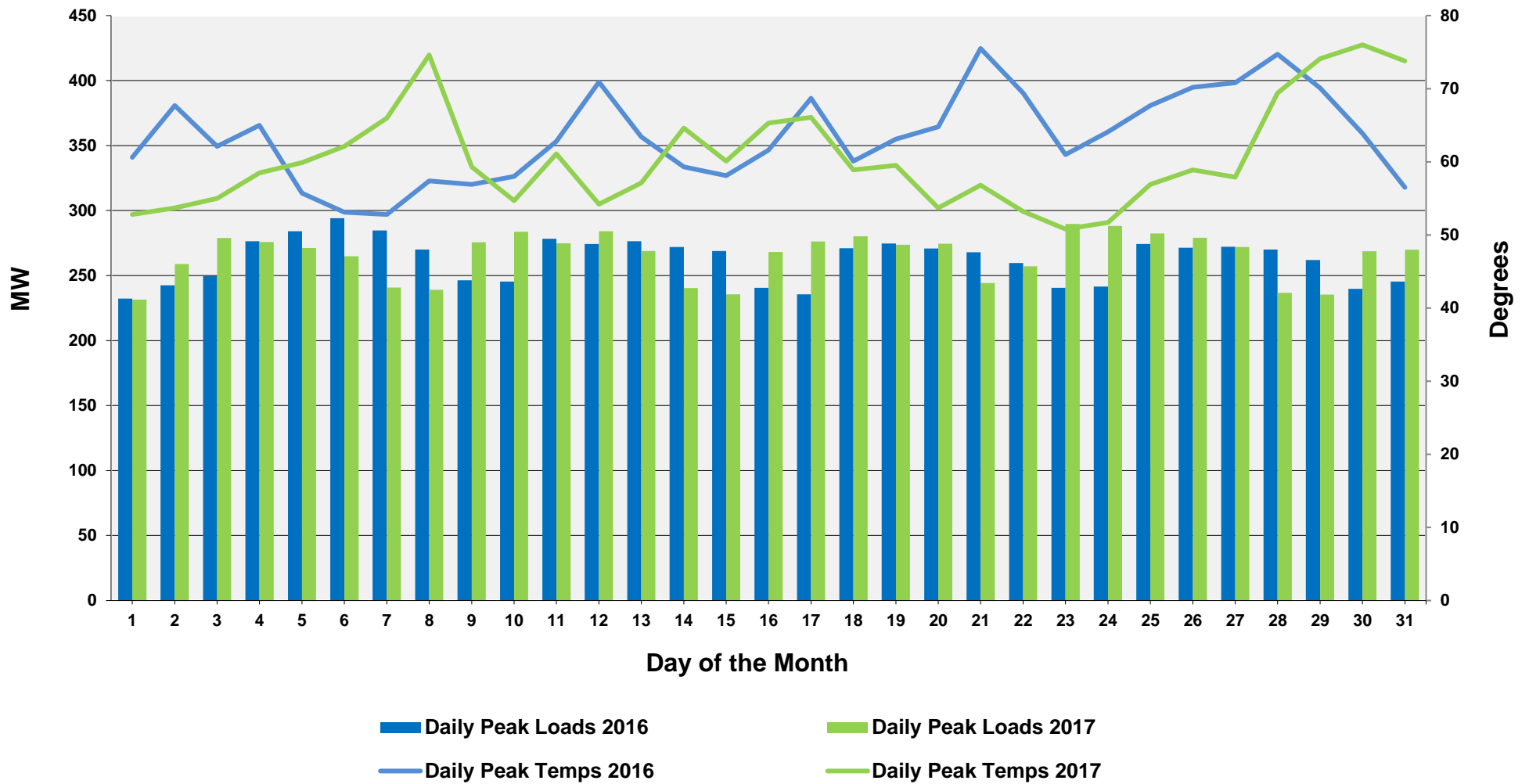
**Chart 2**  
**Peak Hour Total Capacity - January**



**Chart 3**  
**Retail Customer Load - January**



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



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

