

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** FEBRUARY 13, 2017

**GENERAL MANAGERS REPORT  
ITEM NO:** 16

**SUBJECT:** **MONTHLY POWER SUPPLY REPORT – December 2016**

Power Usage:

Wholesale Load (Vista): – 169,148 MWH (Chart 1)

Peak Demand: – 289 MW of which 227 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,335
b) Coal	66,019
c) Large Hydroelectric	1,644
d) Natural Gas	3,801
e) Renewables	49,473
f) Inter SC Trades	(234)
g) Green Inter SC Trades	-
h) CAISO Purchases	39,170
Total:	169,148

**Total Green Power Supply** – **49,473 MWH** which yields 29.25% of the Total Wholesale Load Requirement

Resource Availability:

**Nuclear:** Palo Verde units 1, 2 and 3 operated at 96.52% capacity factor for the month.

**Coal:** IPP units 1 and 2 operated at 64.77% capacity factor for the month.

**Large Hydro:** Hoover, RVSD's capacity entitlement was 18 MW, with energy entitlement of 1,644 MWH.

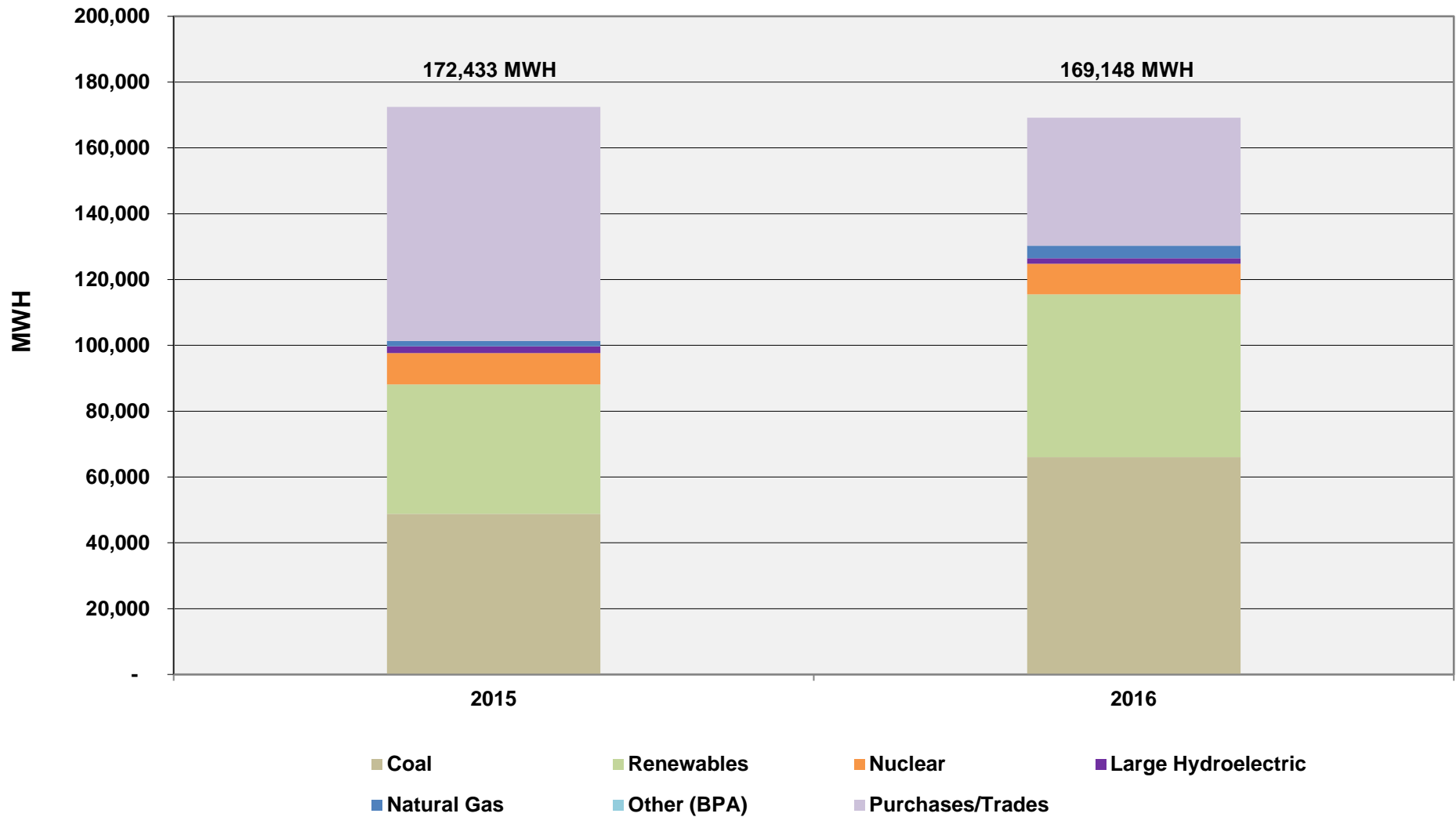
**Natural Gas:** Clearwater's availability was 100% for the month.  
RERC's (Units 1, 2, 3 and 4) availability was 100.00% for the month.  
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

**Renewable:** Salton Sea units operated at 67.97% capacity factor for the month.  
Vulcan unit operated at 76.70% capacity factor for the month.  
Wintec operated at 8.00% capacity factor.  
WKN operated at 17.67% capacity factor.  
Transwind operated at 8.76% capacity factor.  
Kingbird Solar operated at 17.90% capacity factor.  
Tequesquite Solar operated at 13.25% capacity factor.  
AP North Lake Solar operated at 14.77% capacity factor.  
Camelot Solar2 operated at 18.21% capacity factor.  
Bigsky Solar1X operated at 16.16% capacity factor.  
Bigsky Solar3 operated at 16.47% capacity factor.  
Bigsky Solar7 operated at 14.23% capacity factor.

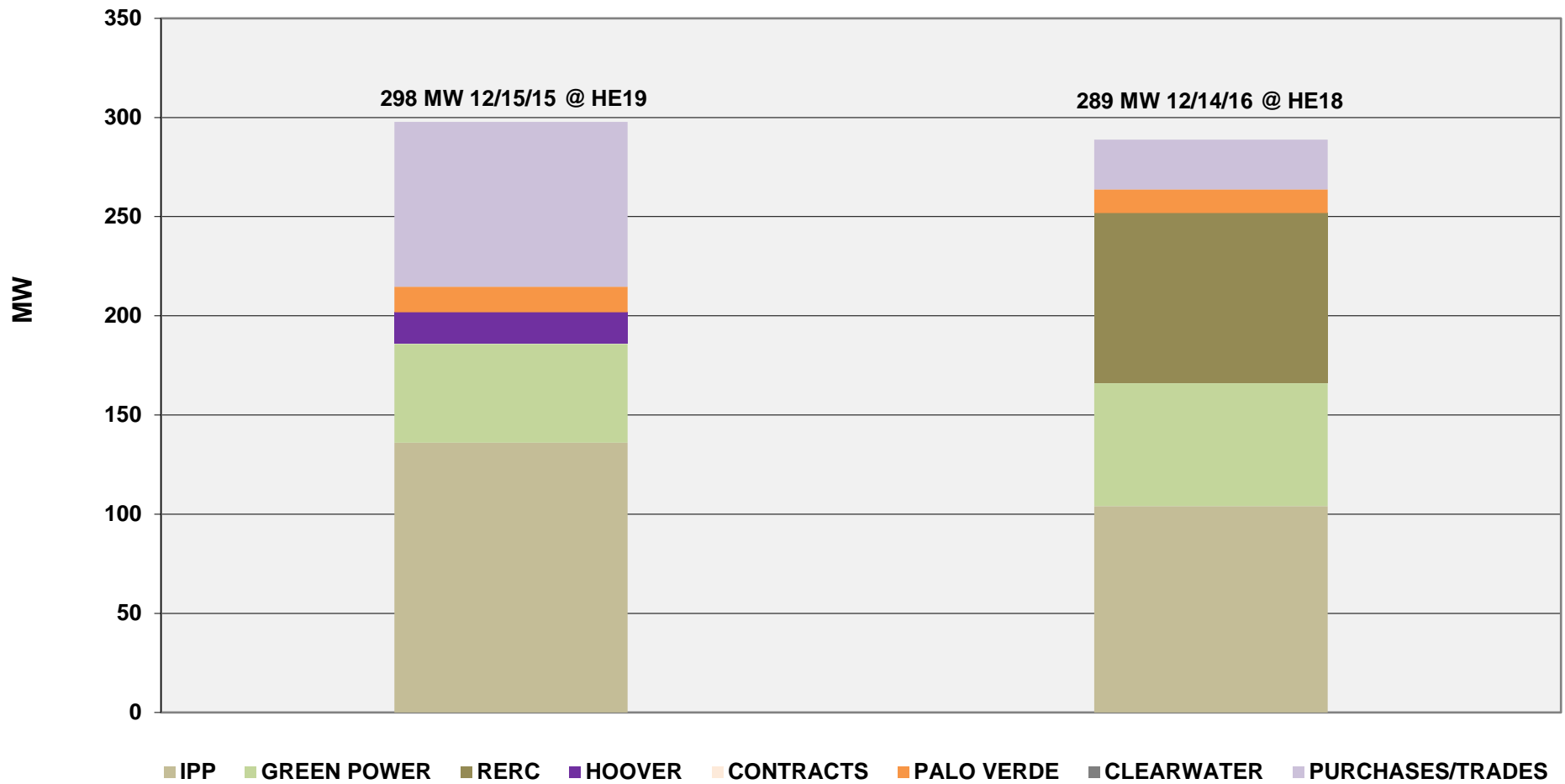
The attached graphical comparisons represents RPU's December:

- 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

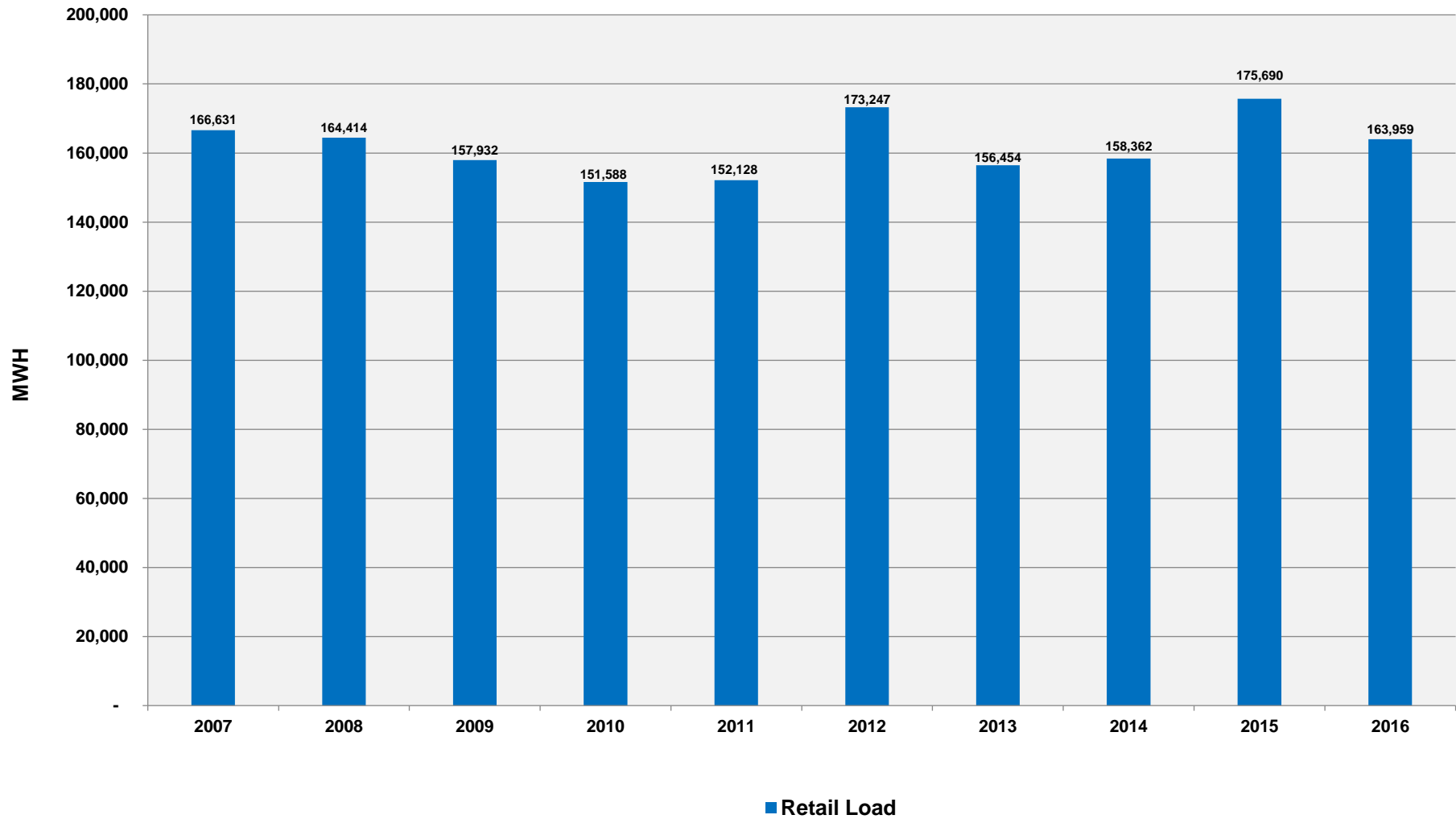
**Chart 1**  
**Total Energy Requirements/Resource Mix - December**



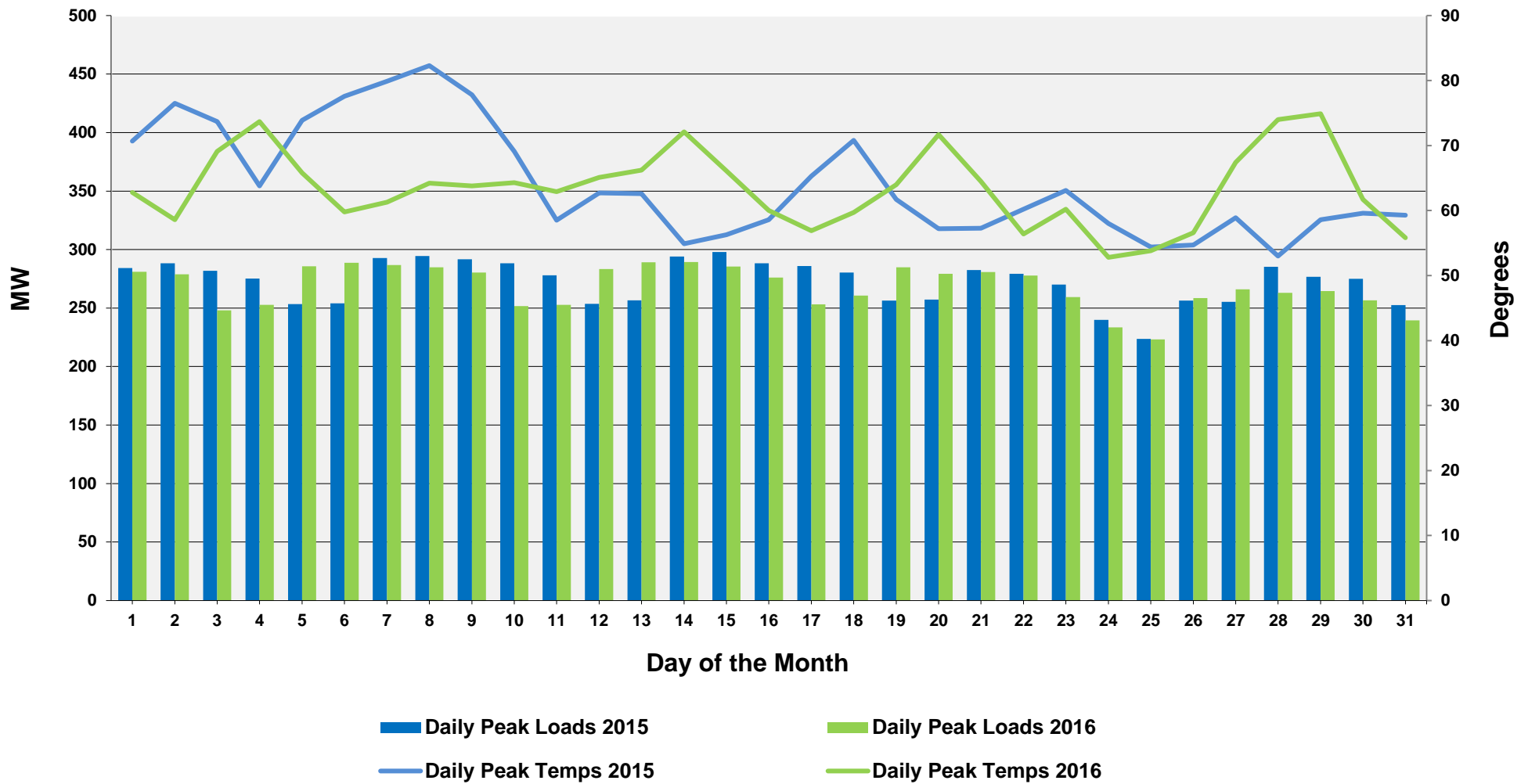
**Chart 2**  
**Peak Hour Total Capacity - December**



**Chart 3**  
**Retail Customer Load - December**



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



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

