

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE** JANUARY 8, 2018

**GENERAL MANAGERS REPORT  
ITEM NO: 17**

**SUBJECT: MONTHLY POWER SUPPLY REPORT – November, 2017**

Power Usage:

Wholesale Load (Vista): – 166,220 MWH (Chart 1)

Peak Demand: – 319 MW of which 289 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,574
b) Coal	59,873
c) Large Hydroelectric	2,282
d) Natural Gas	10,308
e) Renewables	68,687
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	16,496
Total:	166,220

**Total Green Power Supply** – **68,687 MWH** which yields 41.32% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 91.60% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 60.70% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,282 MWH.

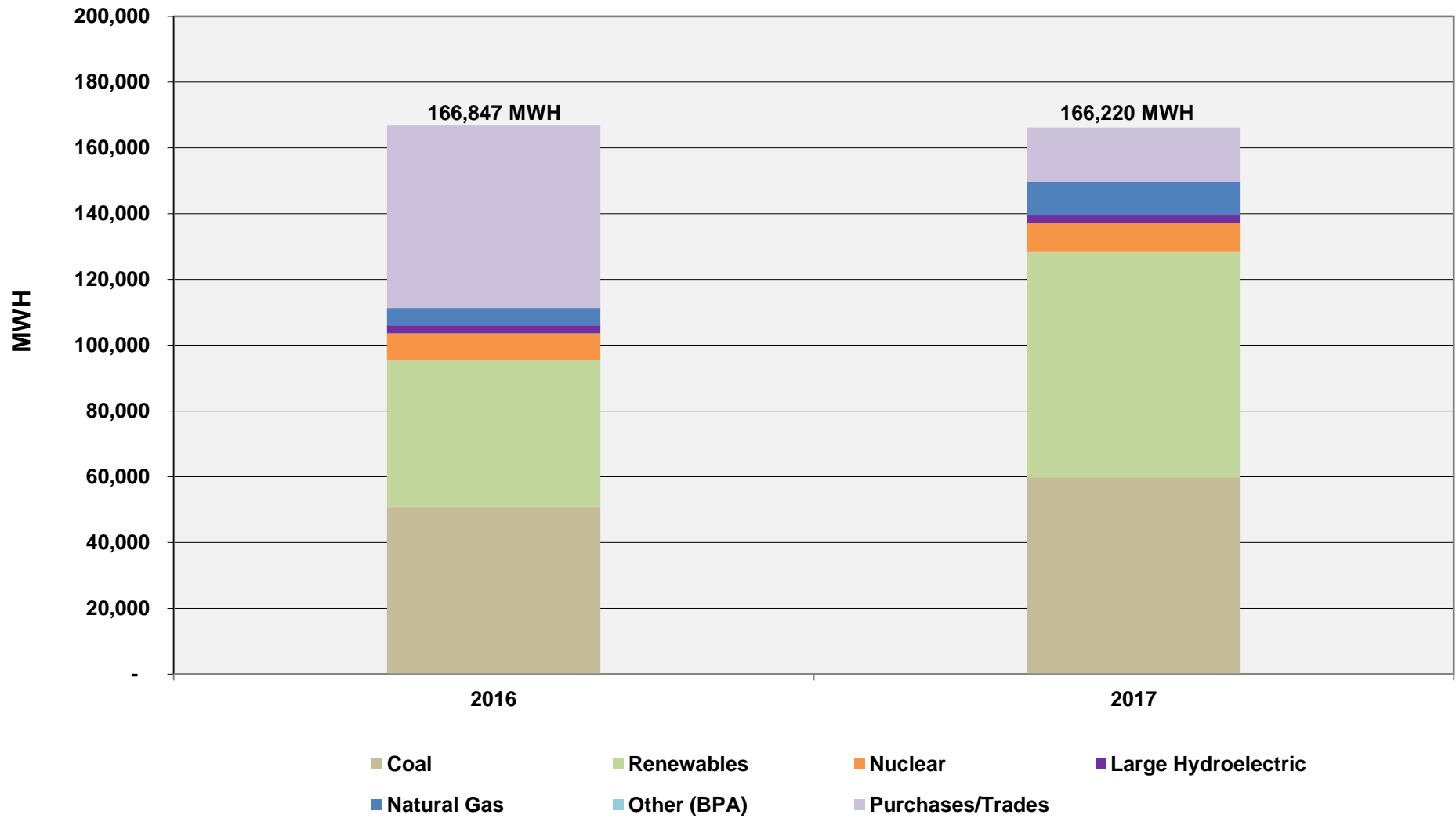
Natural Gas: Clearwater's availability was 100.00% for the month.  
RERC's (Units 1, 2, 3 and 4) availability was 49.99% for the month.  
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 100.00% capacity factor for the month.  
Vulcan unit operated at 91.32% capacity factor for the month.  
Wintec operated at 23.94% capacity factor.  
WKN operated at 23.63% capacity factor.  
Transwind operated at 18.34% capacity factor.  
Kingbird Solar operated at 22.59% capacity factor.  
Tequesquite Solar operated at 14.79% capacity factor.  
AP North Lake Solar operated at 15.89% capacity factor.  
Camelot Solar2 operated at 23.05% capacity factor.  
Bigsky Solar3 operated at 22.46% capacity factor.  
Bigsky Solar7 operated at 19.90% capacity factor.  
Bigsky Solar1X operated at 22.51% capacity factor.

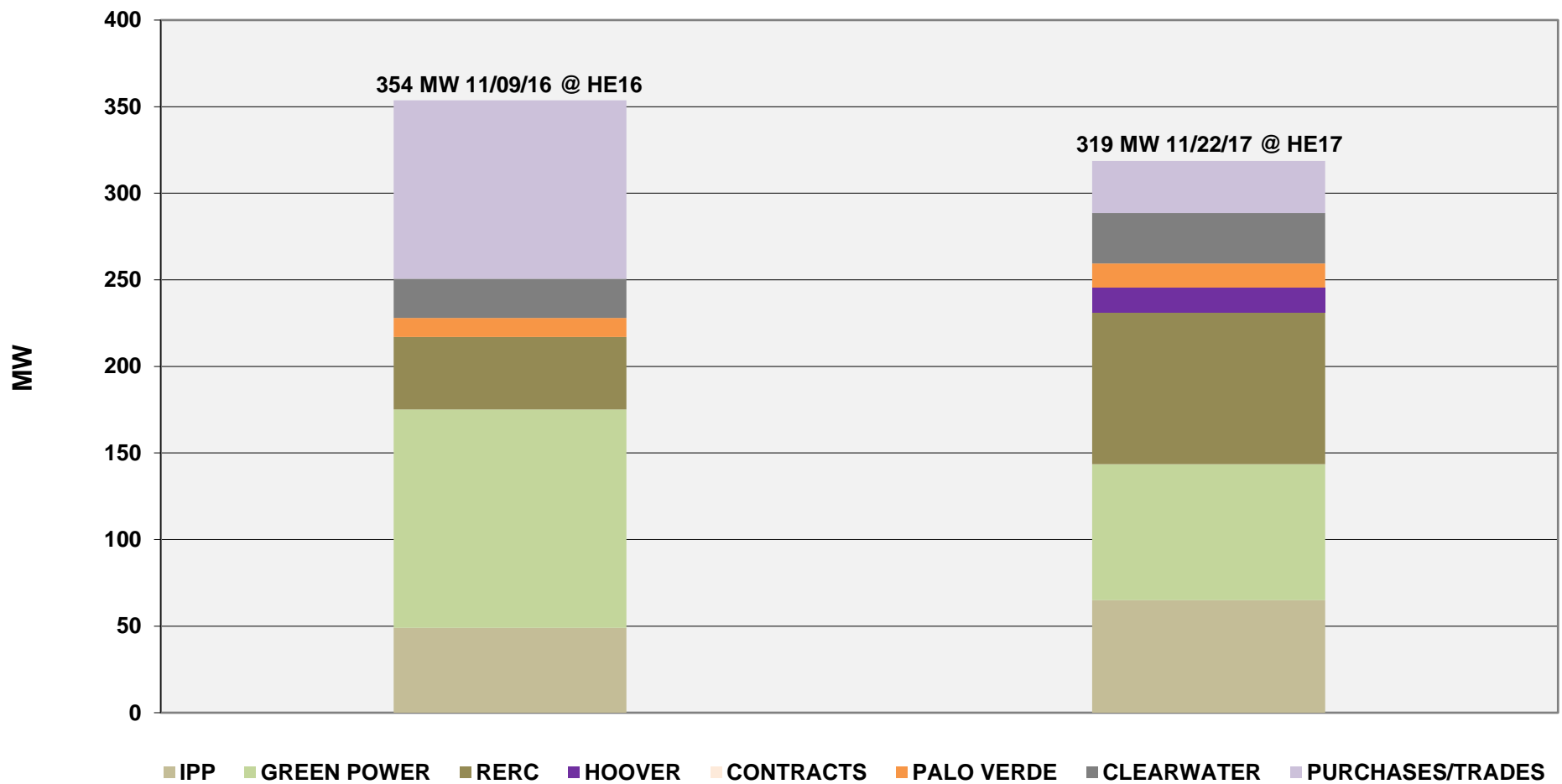
The attached graphical comparisons represents RPU's November:

- 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

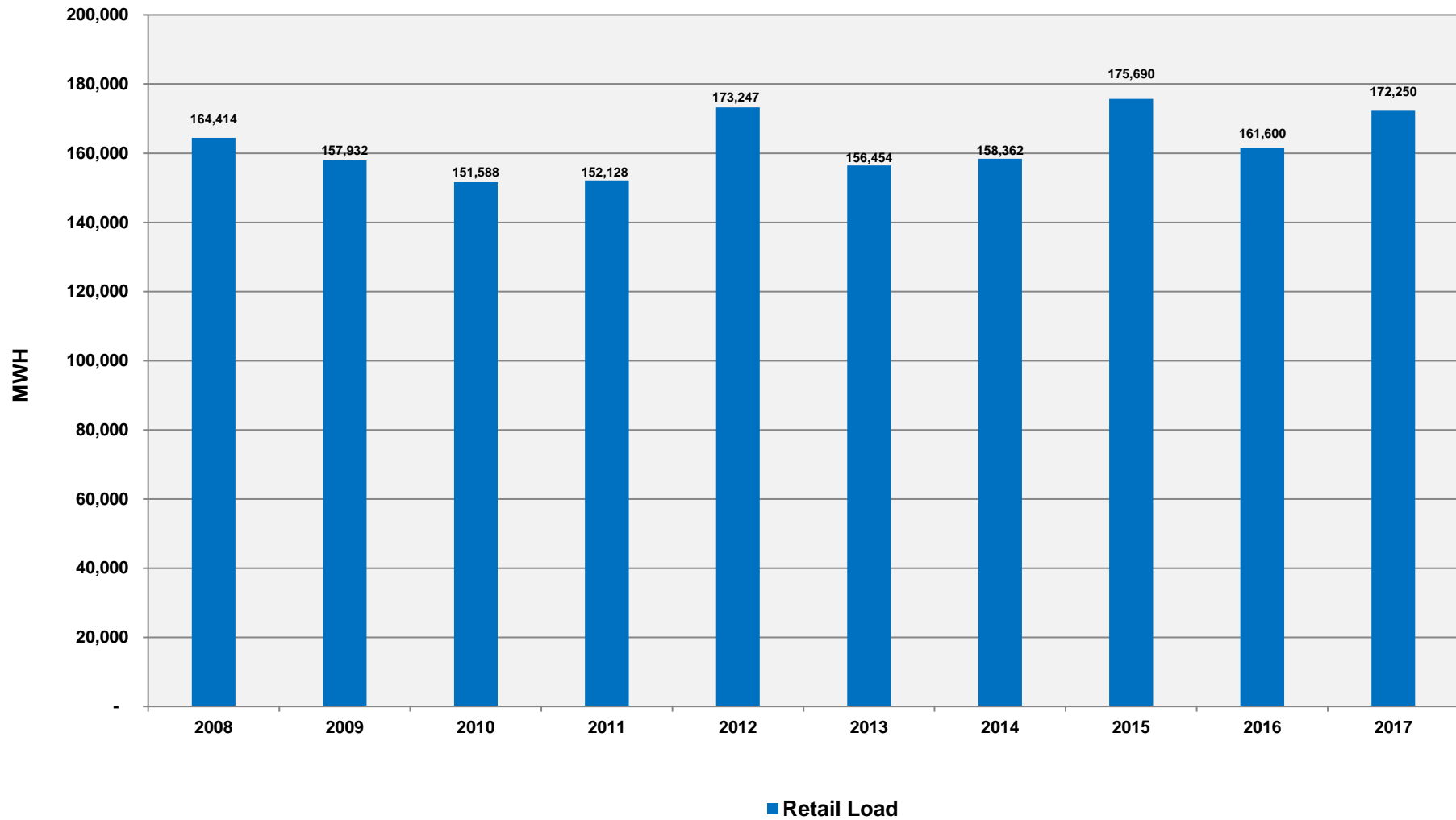
**Chart 1**  
**Total Energy Requirements/Resource Mix - November**



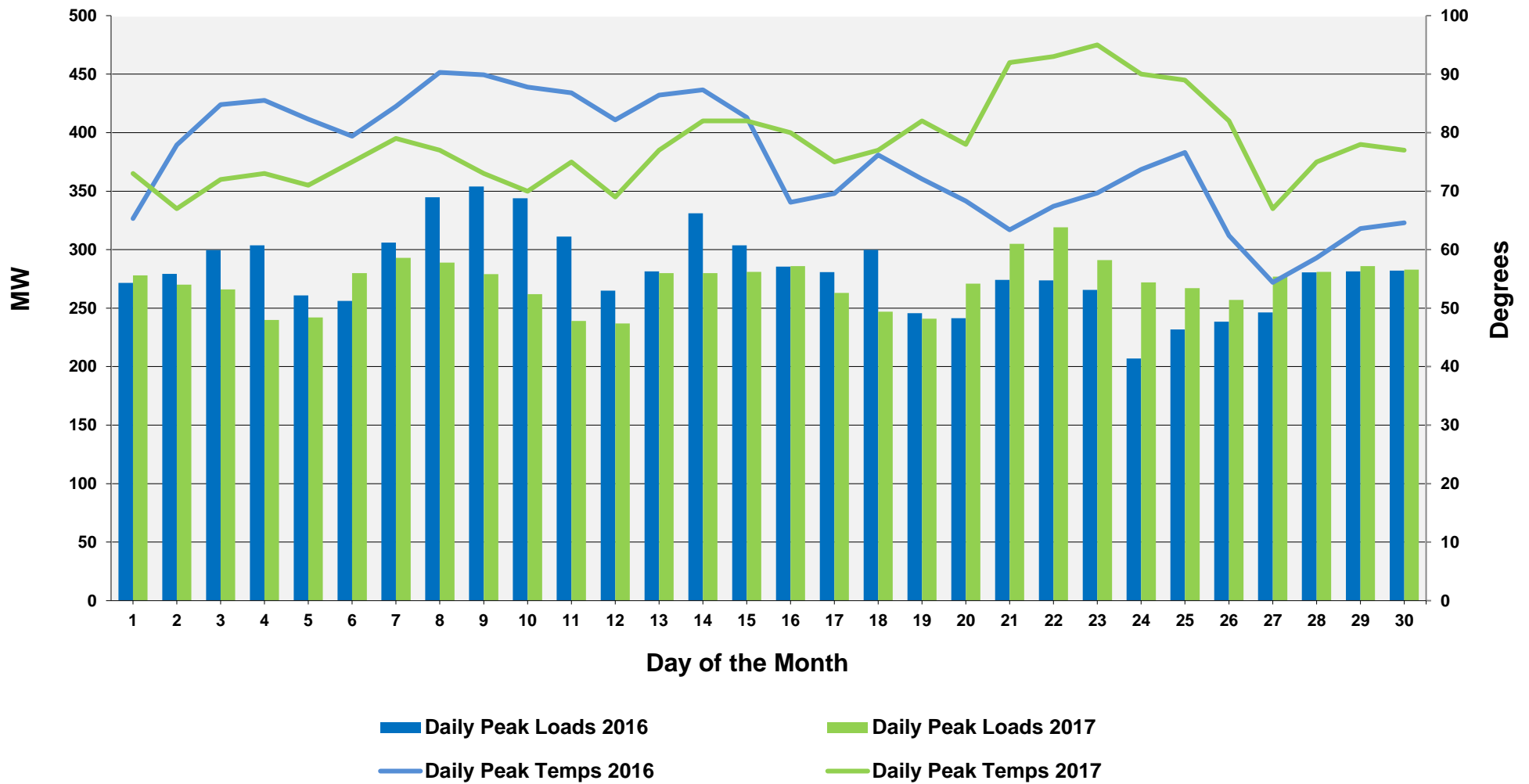
**Chart 2**  
**Peak Hour Total Capacity - November**



**Chart 3**  
**Retail Customer Load - November**



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



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

