



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE** DECEMBER 10, 2018

**GENERAL MANAGERS REPORT  
ITEM NO:**

**SUBJECT: MONTHLY POWER SUPPLY REPORT – October, 2018**

Power Usage:

Wholesale Load (Vista): – 218,062 MWH (Chart 1)  
Peak Demand: – 447 MW of which 359 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	6,618
b) Coal	64,859
c) Large Hydroelectric	2,251
d) Natural Gas	11,931
e) Renewables	68,861
f) Inter SC Trades	46,800
g) Green Inter SC Trades	-
h) CAISO Purchases	29,771
Total:	184,291

**Total Green Power Supply** – **68,861 MWH** which yields 37.37% of the Total Wholesale Load Requirement

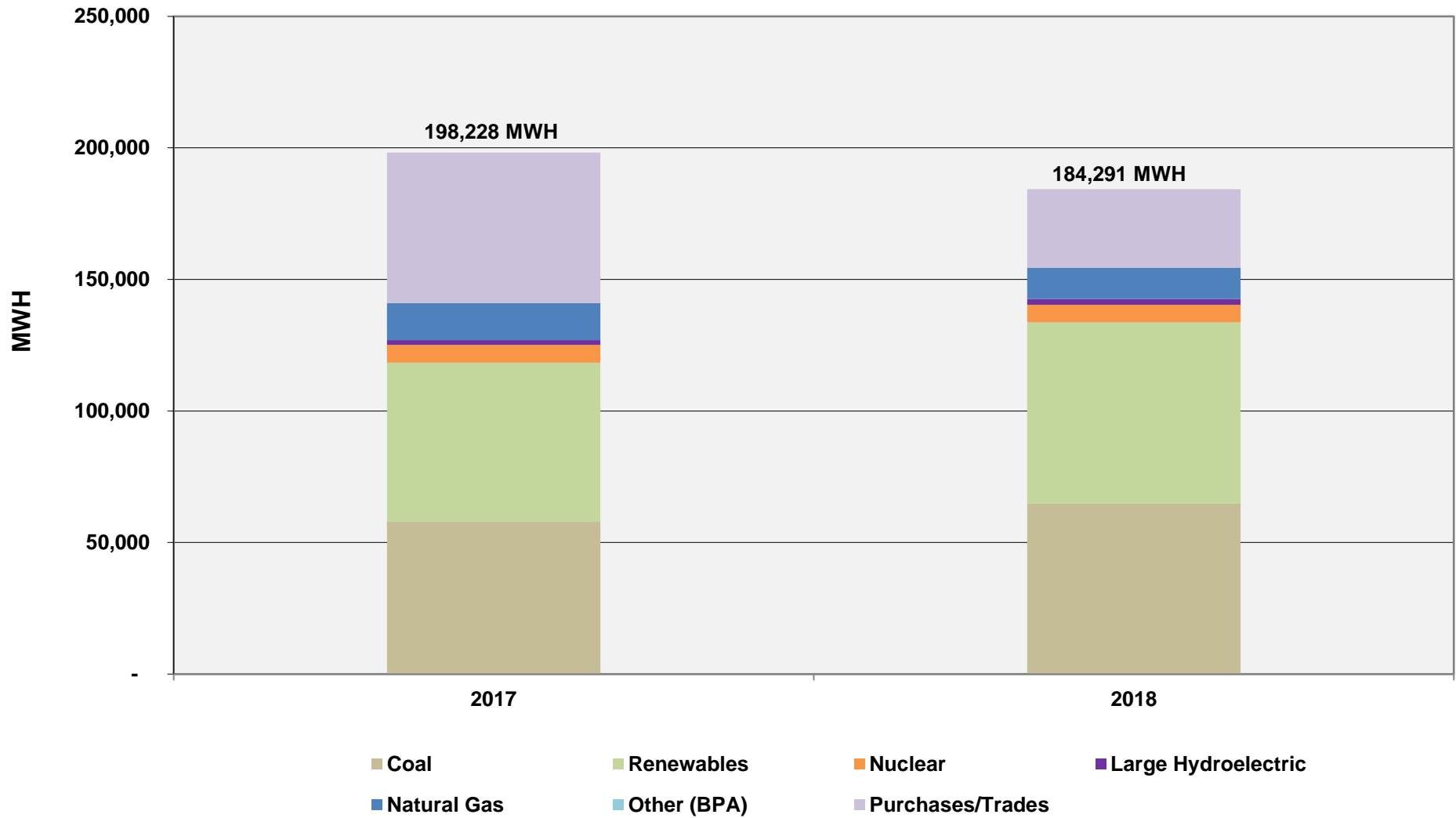
Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 68.42% capacity factor for the month.  
Coal: IPP units 1 and 2 operated at 63.63% capacity factor for the month.  
Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,251 MWH.  
Natural Gas: Clearwater's availability was 100.00% for the month.  
RERC's (Units 1, 2, 3 and 4) availability was 99.26% for the month.  
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.  
Renewable: Salton Sea units operated at 93.30% capacity factor for the month.  
Vulcan unit operated at 85.13% capacity factor for the month.  
Wintec operated at 22.09% capacity factor.  
WKN operated at 23.32% capacity factor.  
Transwind operated at 12.50% capacity factor.  
Kingbird Solar operated at 31.10% capacity factor.  
Tequesquite Solar operated at 21.53% capacity factor.  
AP North Lake Solar operated at 22.56% capacity factor.  
Camelot Solar2 operated at 30.26% capacity factor.  
Bigsky Solar3 operated at 28.92% capacity factor.  
Bigsky Solar7 operated at 25.41% capacity factor.  
Bigsky Solar1X operated at 29.48% capacity factor.

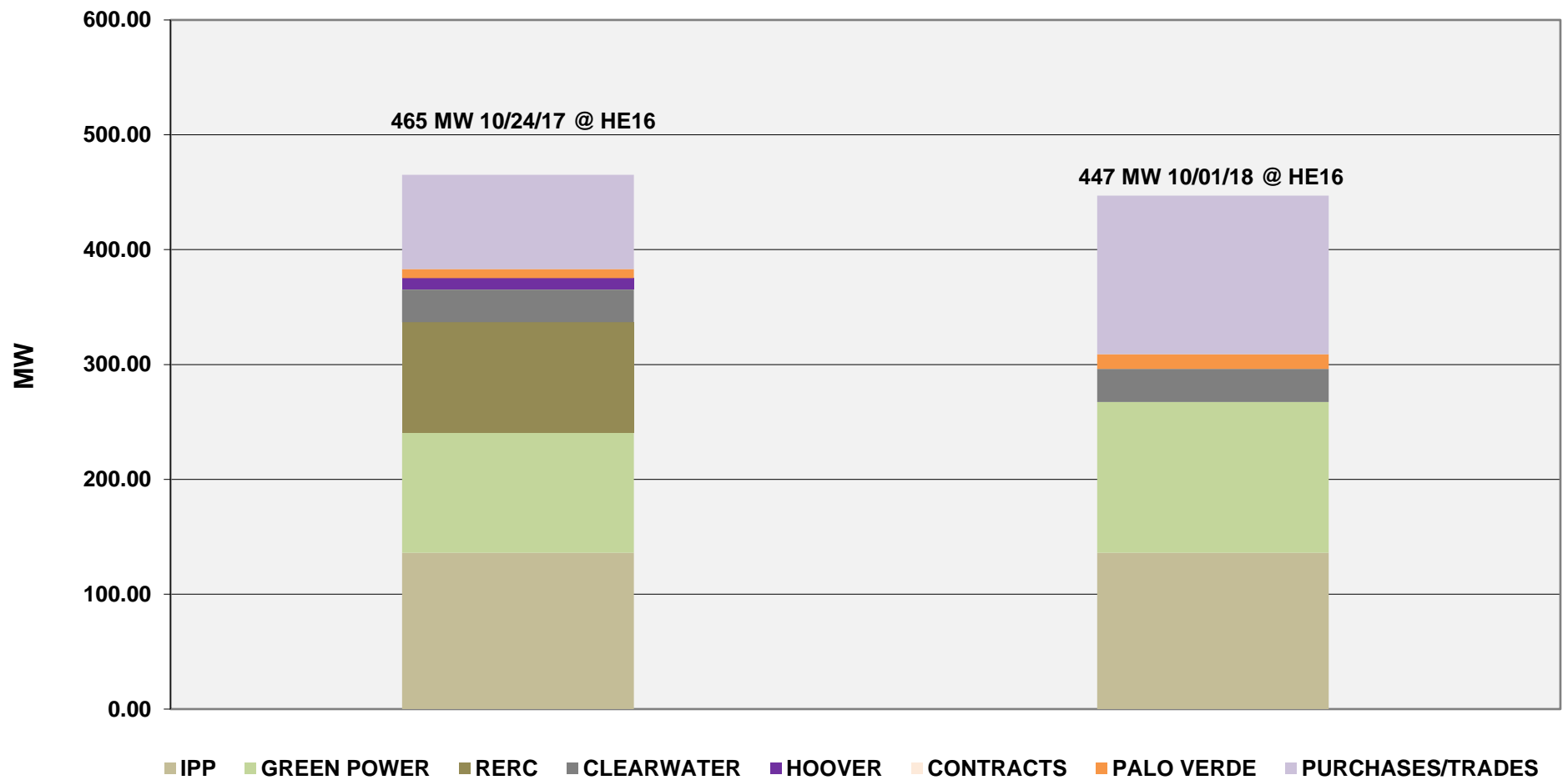
The attached graphical comparisons represents RPU's October:

- 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

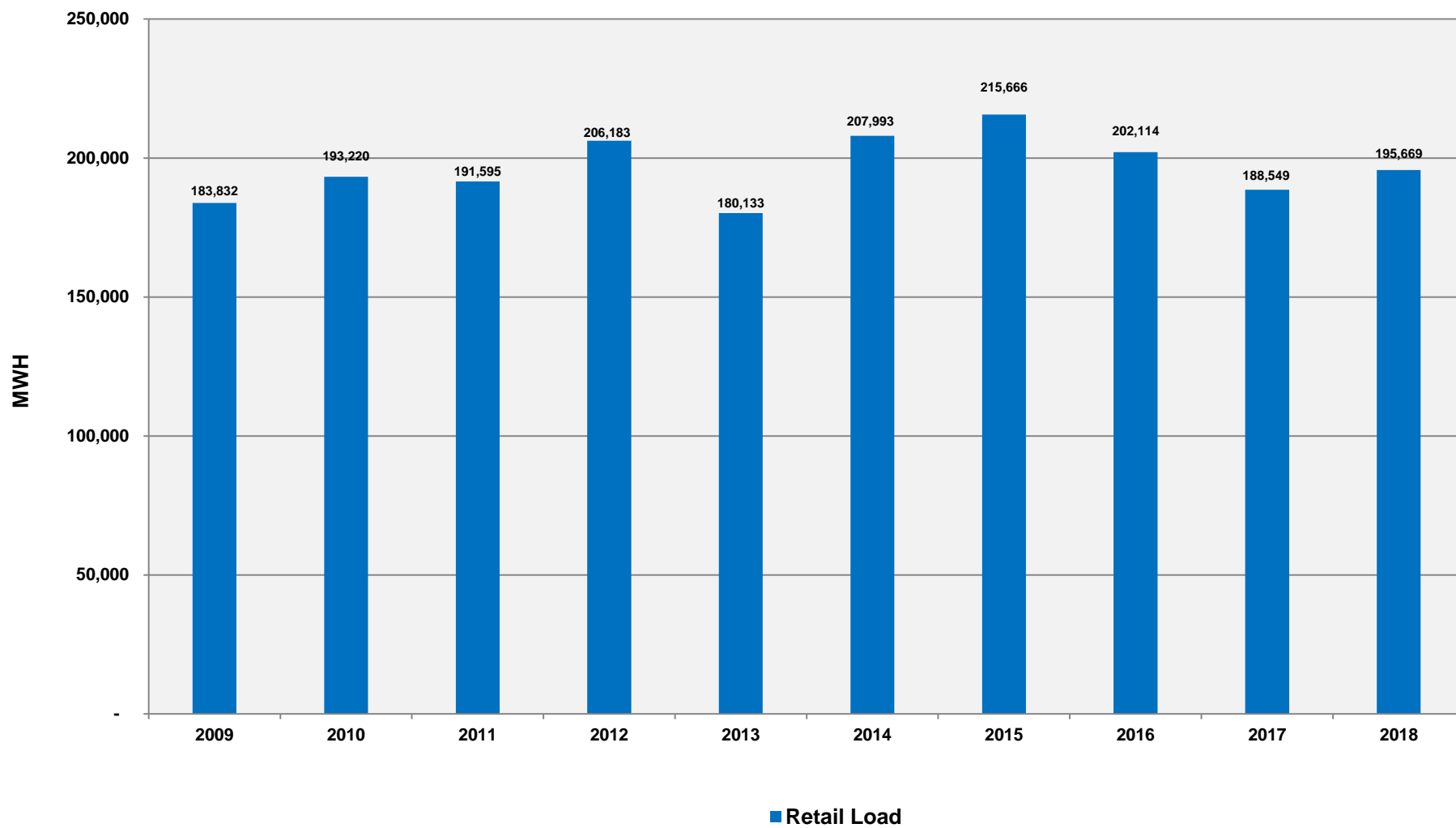
**Chart 1**  
**Total Energy Requirements/Resource Mix - October**



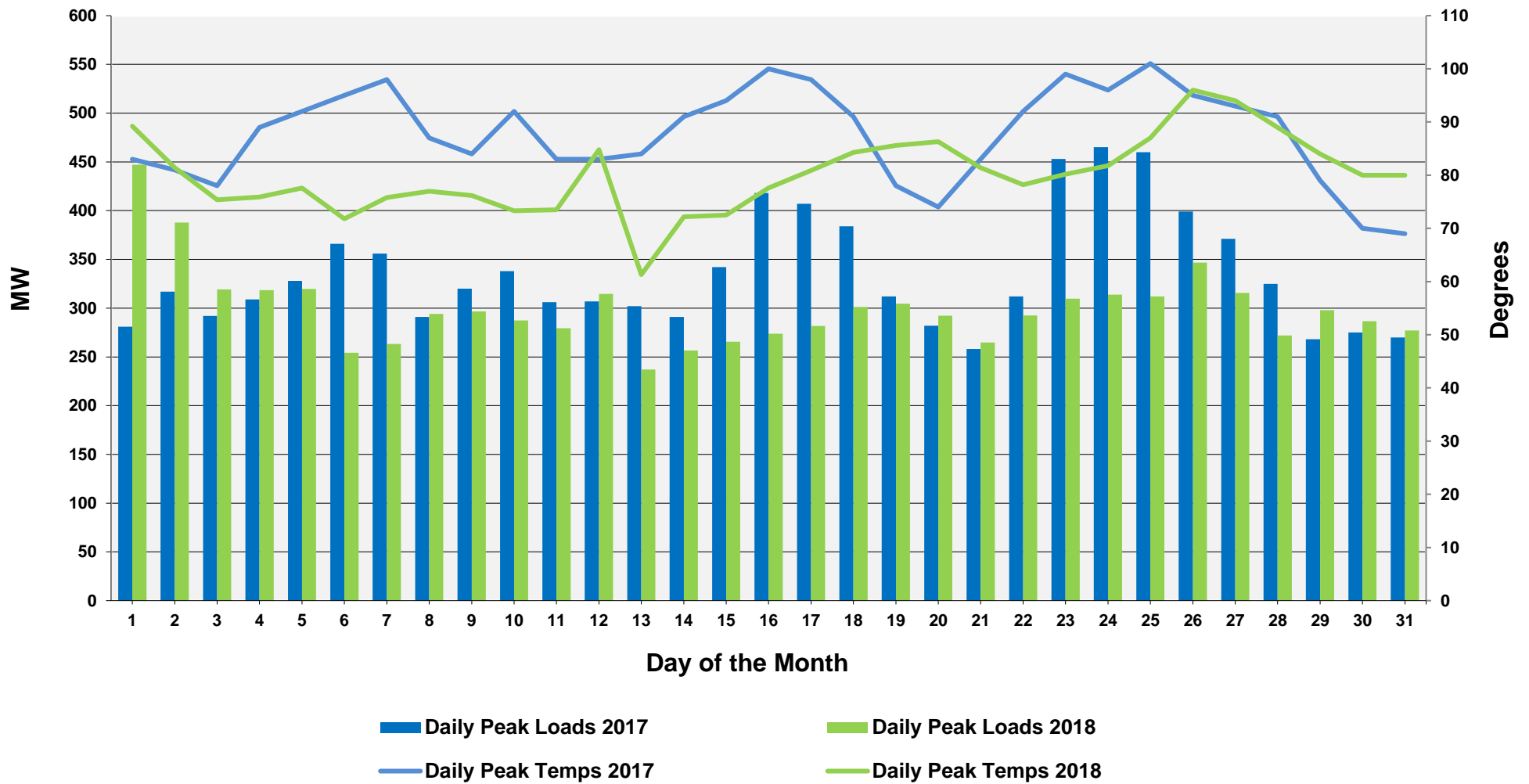
**Chart 2**  
**Peak Hour Total Capacity - October**



**Chart 3**  
**Retail Customer Load - October**



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



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

