

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** OCTOBER 23, 2017

**GENERAL MANAGERS REPORT  
ITEM NO:** 19

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

Power Usage:

Wholesale Load (Vista): – 249,763 MWH (Chart 1)  
 Peak Demand: – 638 MW of which 475 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,312
b) Coal	66,109
c) Large Hydroelectric	2,124
d) Natural Gas	20,415
e) Renewables	76,375
f) Inter SC Trades	61,800
g) Green Inter SC Trades	-
h) CAISO Purchases	13,628
Total:	249,763

**Total Green Power Supply** – **76,375 MWH** which yields 30.58% of the Total Wholesale Load Requirement

Resource Availability:

**Nuclear:** Palo Verde units 1, 2 and 3 operated at 96.28% capacity factor for the month.

**Coal:** IPP units 1 and 2 operated at 64.86% capacity factor for the month.

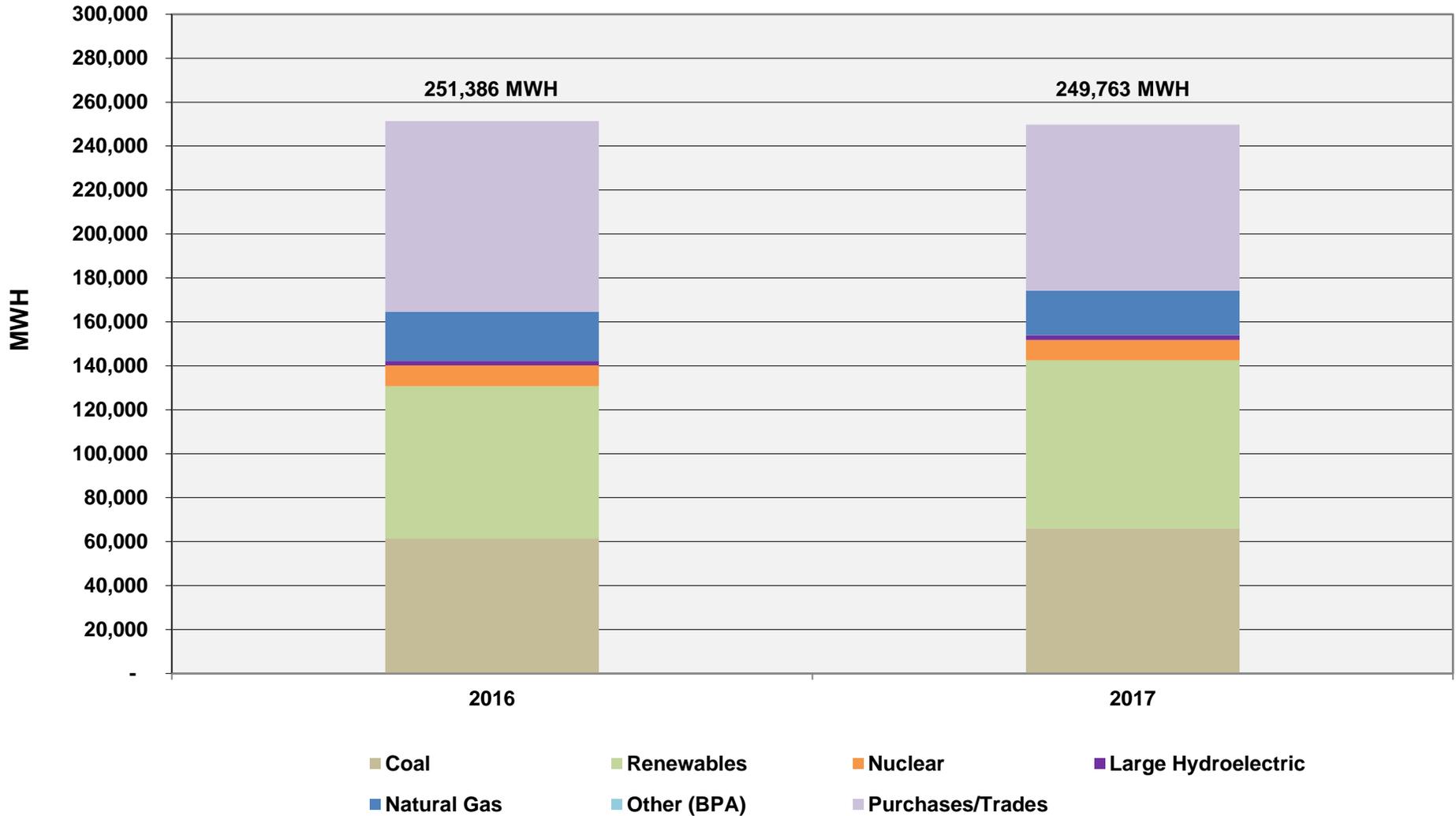
**Large Hydro:** Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,124 MWH.

**Natural Gas:** Clearwater's availability was 100.00% 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.

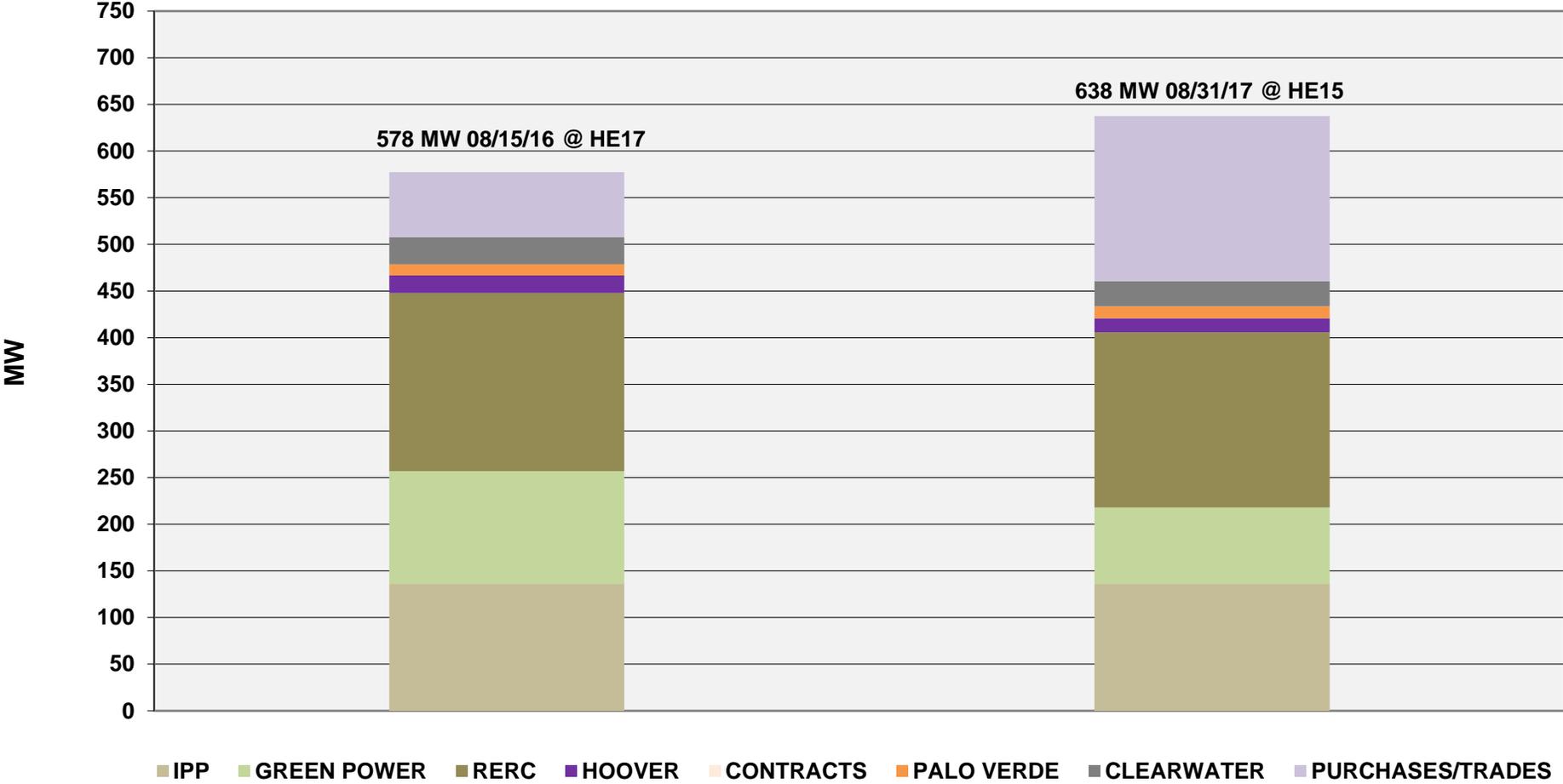
**Renewable:** Salton Sea units operated at 88.38% capacity factor for the month.  
 Vulcan unit operated at 85.41% capacity factor for the month.  
 Wintec operated at 42.09% capacity factor.  
 WKN operated at 39.23% capacity factor.  
 Transwind operated at 19.62% capacity factor.  
 Kingbird Solar operated at 40.92% capacity factor.  
 Tequesquite Solar operated at 27.62% capacity factor.  
 AP North Lake Solar operated at 29.29% capacity factor.  
 Camelot Solar2 operated at 37.94% capacity factor.  
 Bigsky Solar1X operated at 38.27% capacity factor.  
 Bigsky Solar3 operated at 37.69% capacity factor.  
 Bigsky Solar7 operated at 35.50% capacity factor.

The attached graphical comparisons represents RPU's August:  
 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

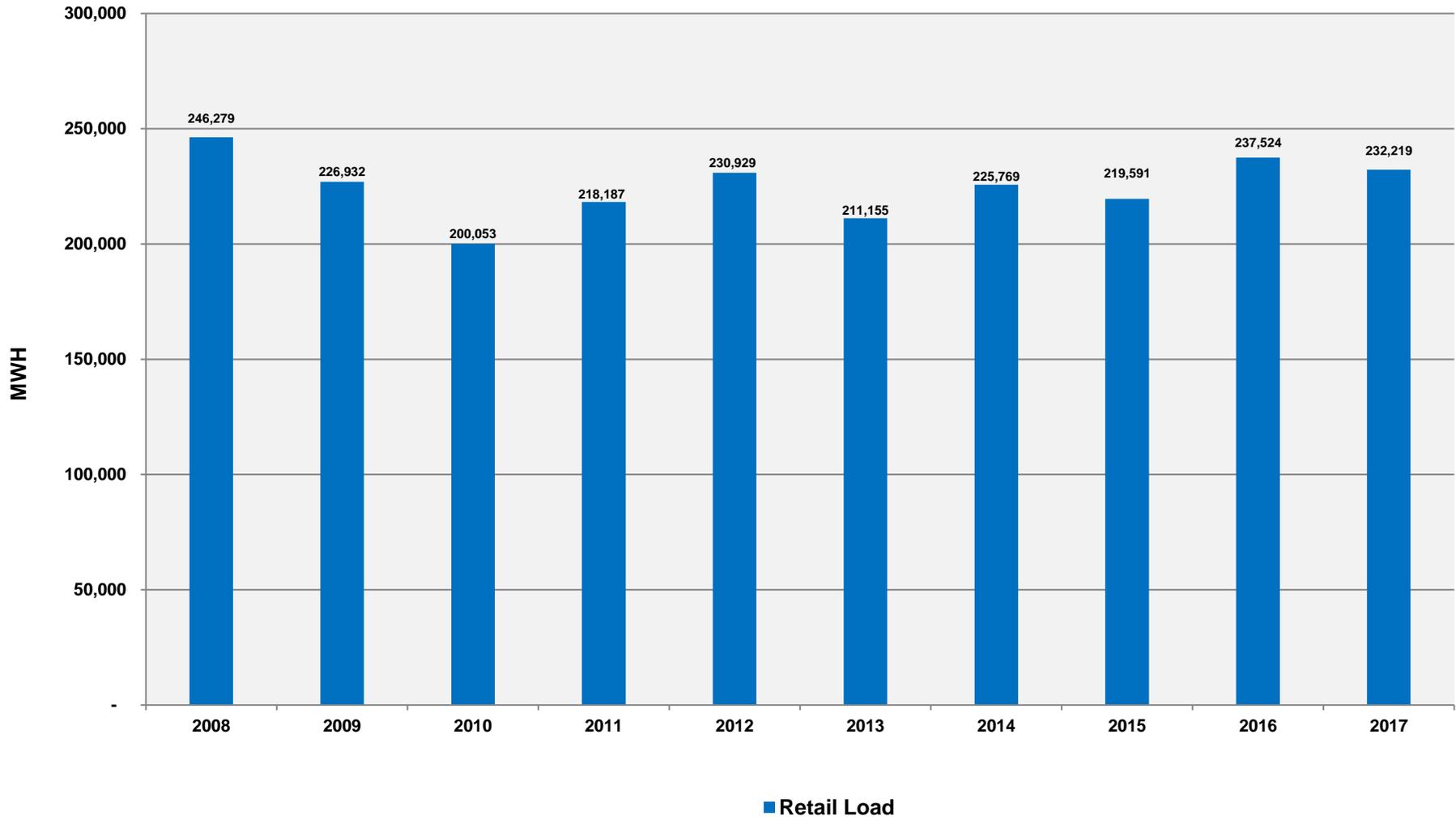
**Chart 1**  
**Total Energy Requirements/Resource Mix - August**



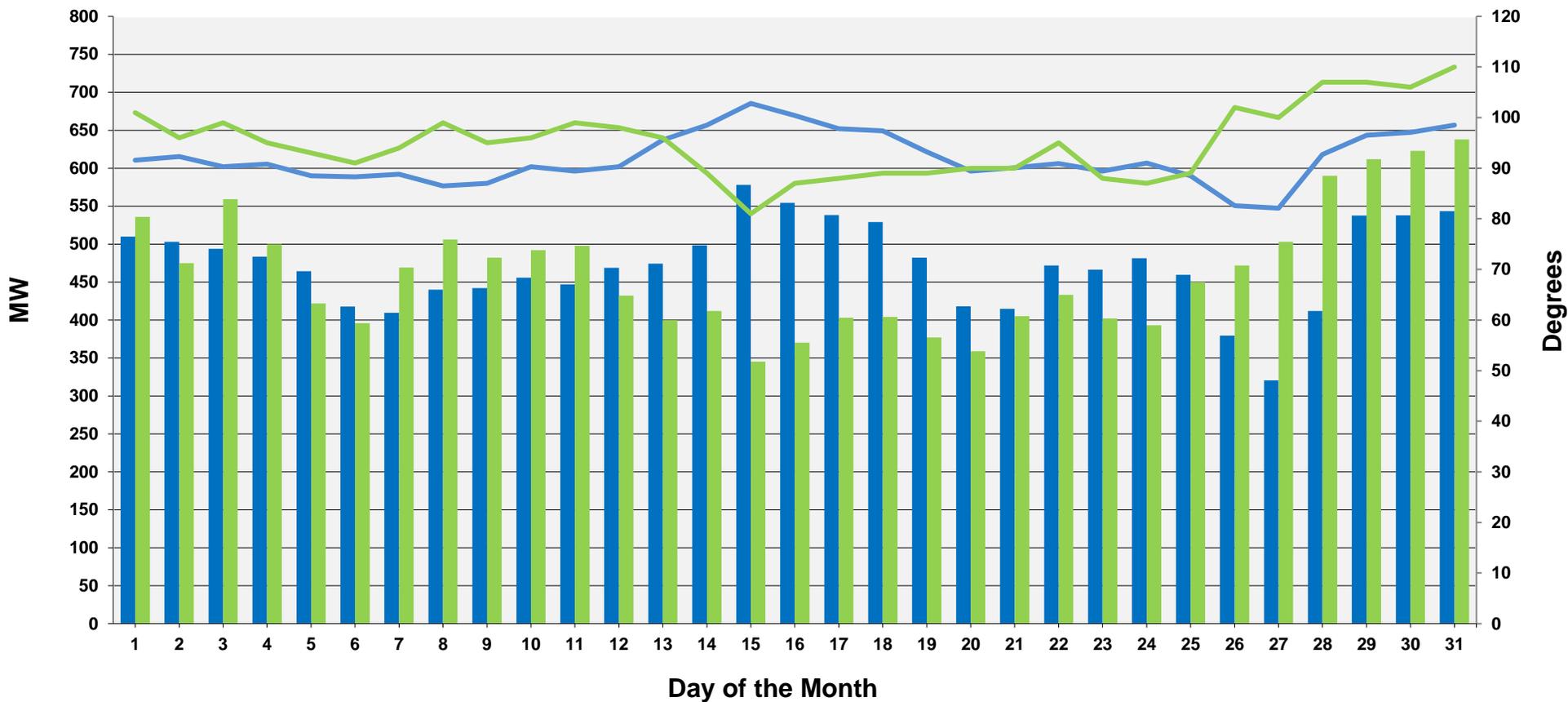
### Chart 2 Peak Hour Total Capacity - August



**Chart 3**  
**Retail Customer Load - August**



### Chart 4 Daily Peak Load and Temperature Comparisons August



■ Daily Peak Loads 2016      ■ Daily Peak Loads 2017  
— Daily Peak Temps 2016      — Daily Peak Temps 2017

### Chart 5 Monthly Peak Load & Temperature

