



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE** NOVEMBER 5, 2018

**GENERAL MANAGERS REPORT  
ITEM NO:**

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

Power Usage:

Wholesale Load (Vista): – 218,062 MWH (Chart 1)

Peak Demand: – 501 MW of which 362 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

| <u>Resource</u>          | <u>MWH</u> |
|--------------------------|------------|
| a) Nuclear               | 8,856      |
| b) Coal                  | 46,875     |
| c) Large Hydroelectric   | 2,373      |
| d) Natural Gas           | 5,717      |
| e) Renewables            | 76,086     |
| f) Inter SC Trades       | 46,800     |
| g) Green Inter SC Trades | -          |
| h) CAISO Purchases       | 31,354     |
| Total:                   | 218,062    |

**Total Green Power Supply** – **76,086 MWH** which yields 34.89% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 91.56% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 45.99% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 2,373 MWH.

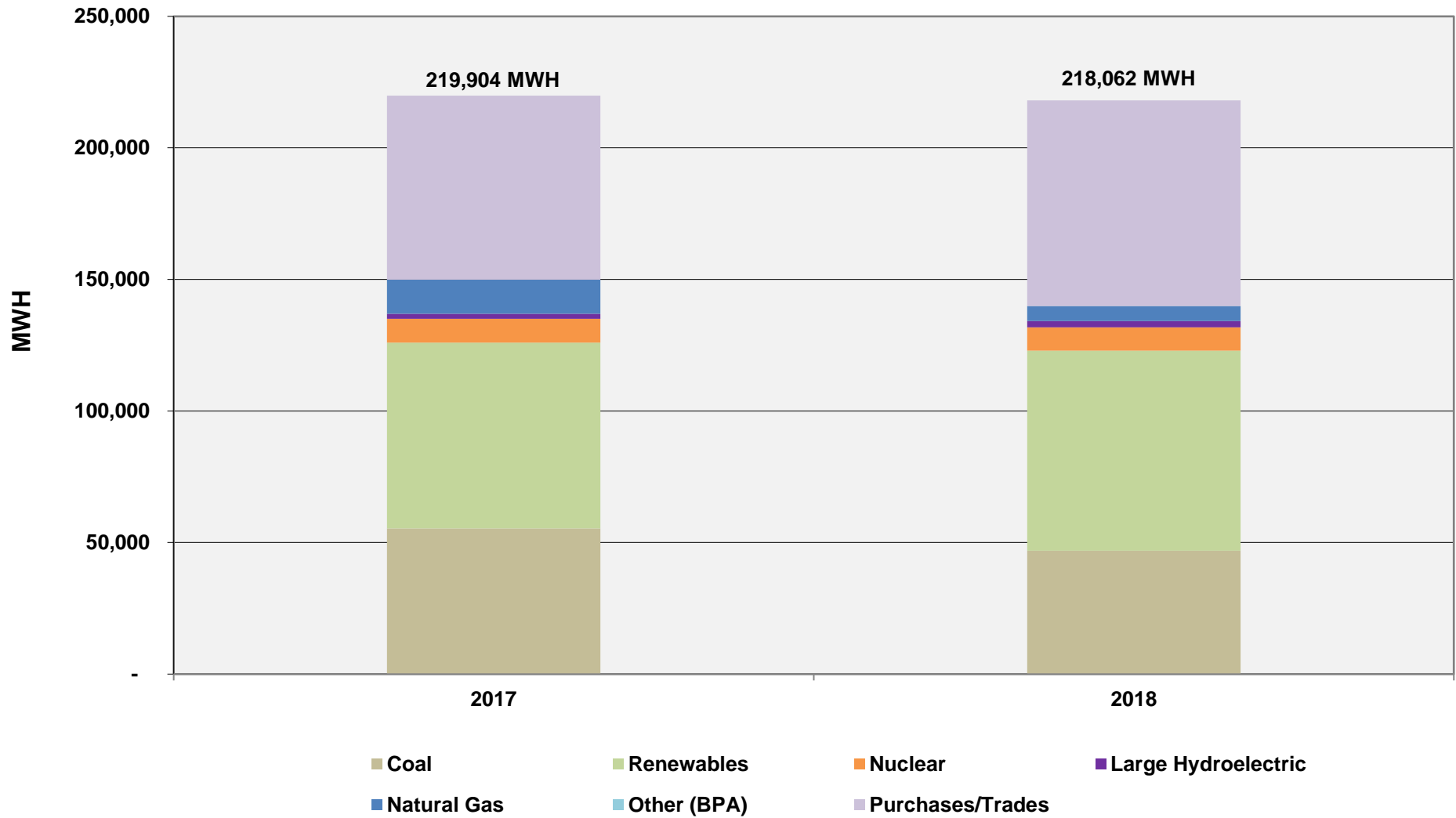
Natural Gas: Clearwater's availability was 100.00% for the month.  
RERC's (Units 1, 2, 3 and 4) availability was 99.26% for the month.  
Springs's (Units 1, 2, 3 and 4) availability was 100.00% for the month.

Renewable: Salton Sea units operated at 93.96% capacity factor for the month.  
Vulcan unit operated at 82.79% capacity factor for the month.  
Wintec operated at 33.84% capacity factor.  
WKN operated at 39.78% capacity factor.  
Transwind operated at 19.71% capacity factor.  
Kingbird Solar operated at 36.70% capacity factor.  
Tequesquite Solar operated at 23.57% capacity factor.  
AP North Lake Solar operated at 28.82% capacity factor.  
Camelot Solar2 operated at 36.81% capacity factor.  
Bigsky Solar3 operated at 35.27% capacity factor.  
Bigsky Solar7 operated at 32.17% capacity factor.  
Bigsky Solar1X operated at 36.31% capacity factor.

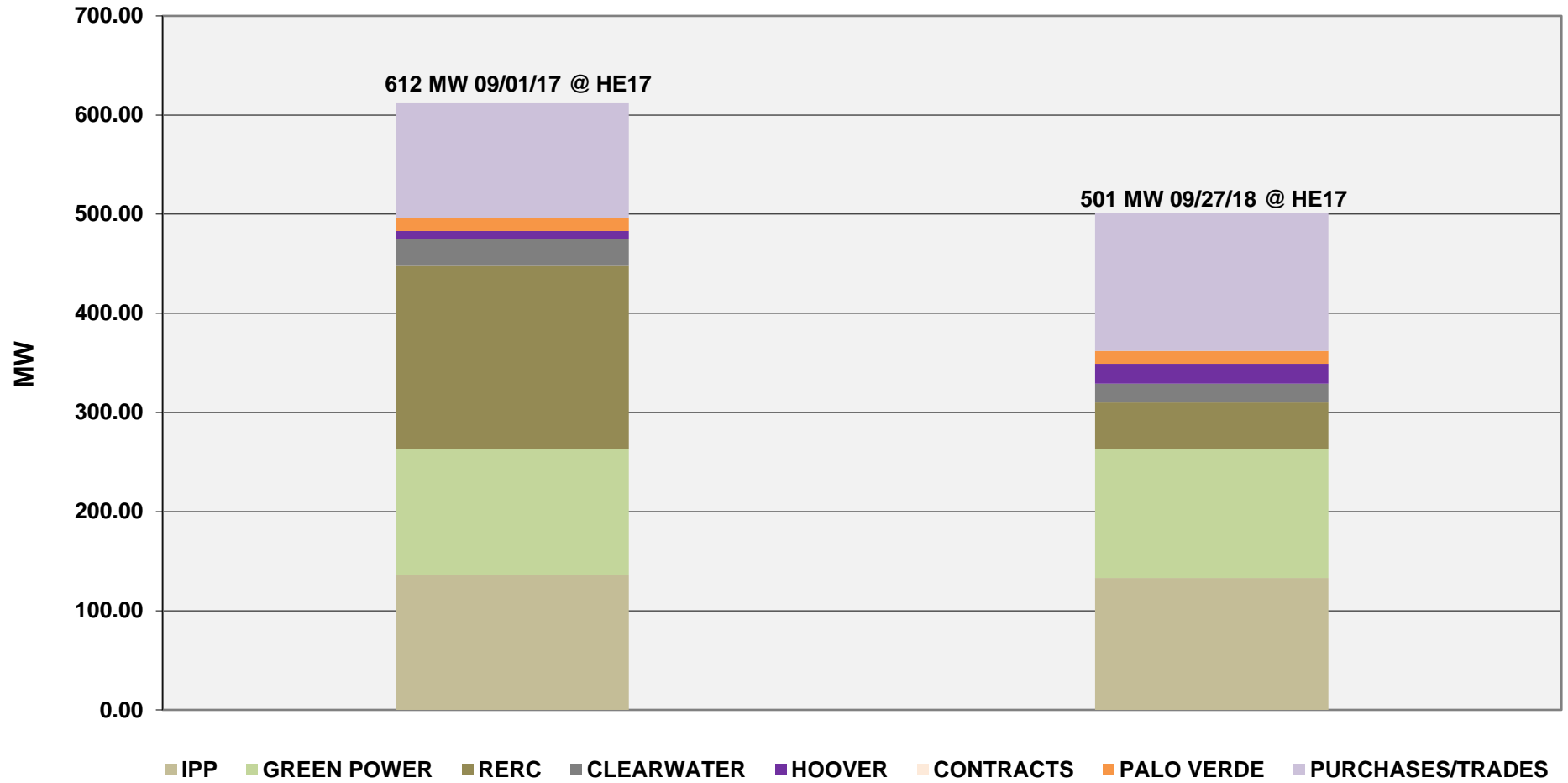
The attached graphical comparisons represents RPU's September:

- 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

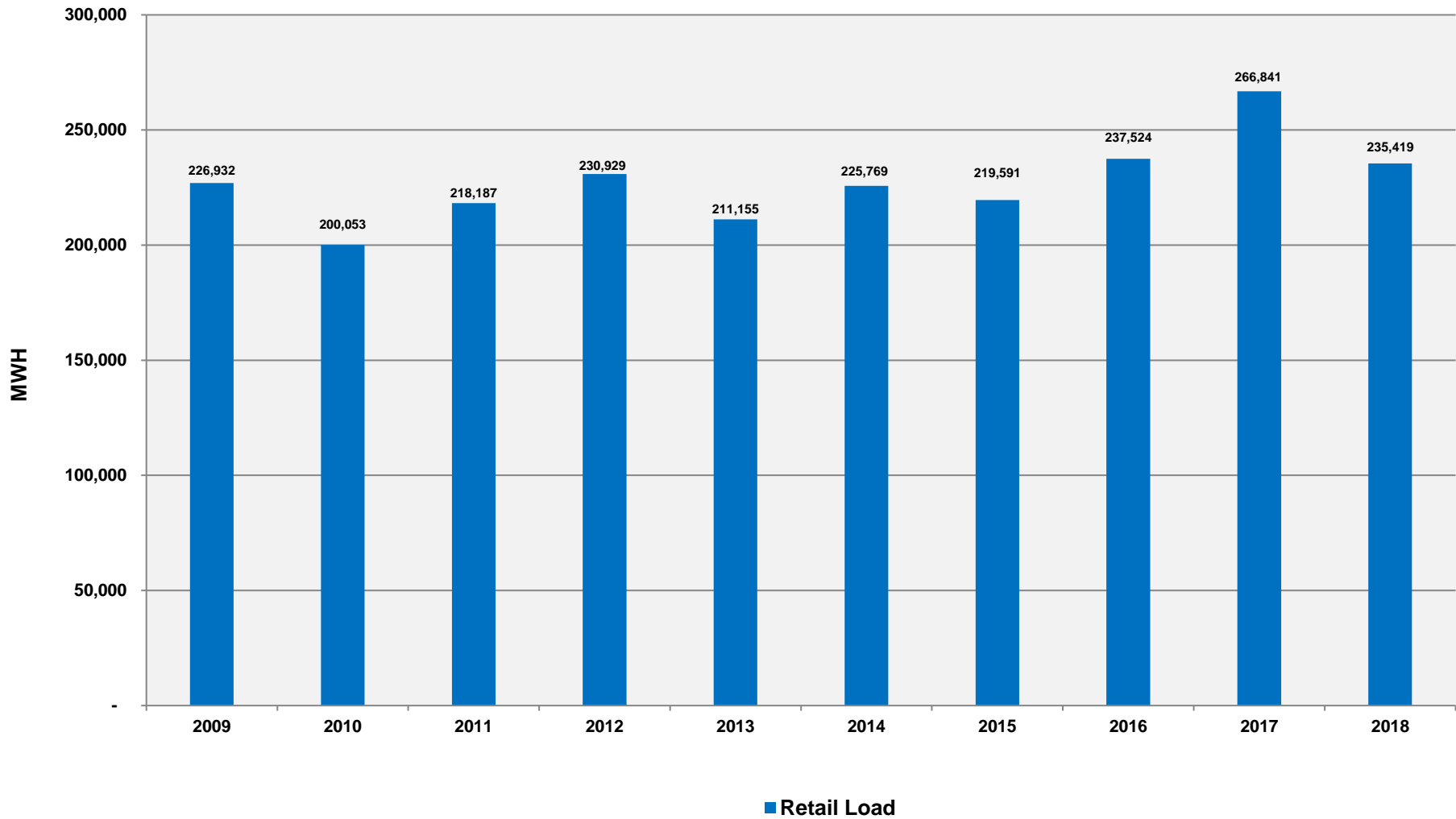
**Chart 1**  
**Total Energy Requirements/Resource Mix - September**



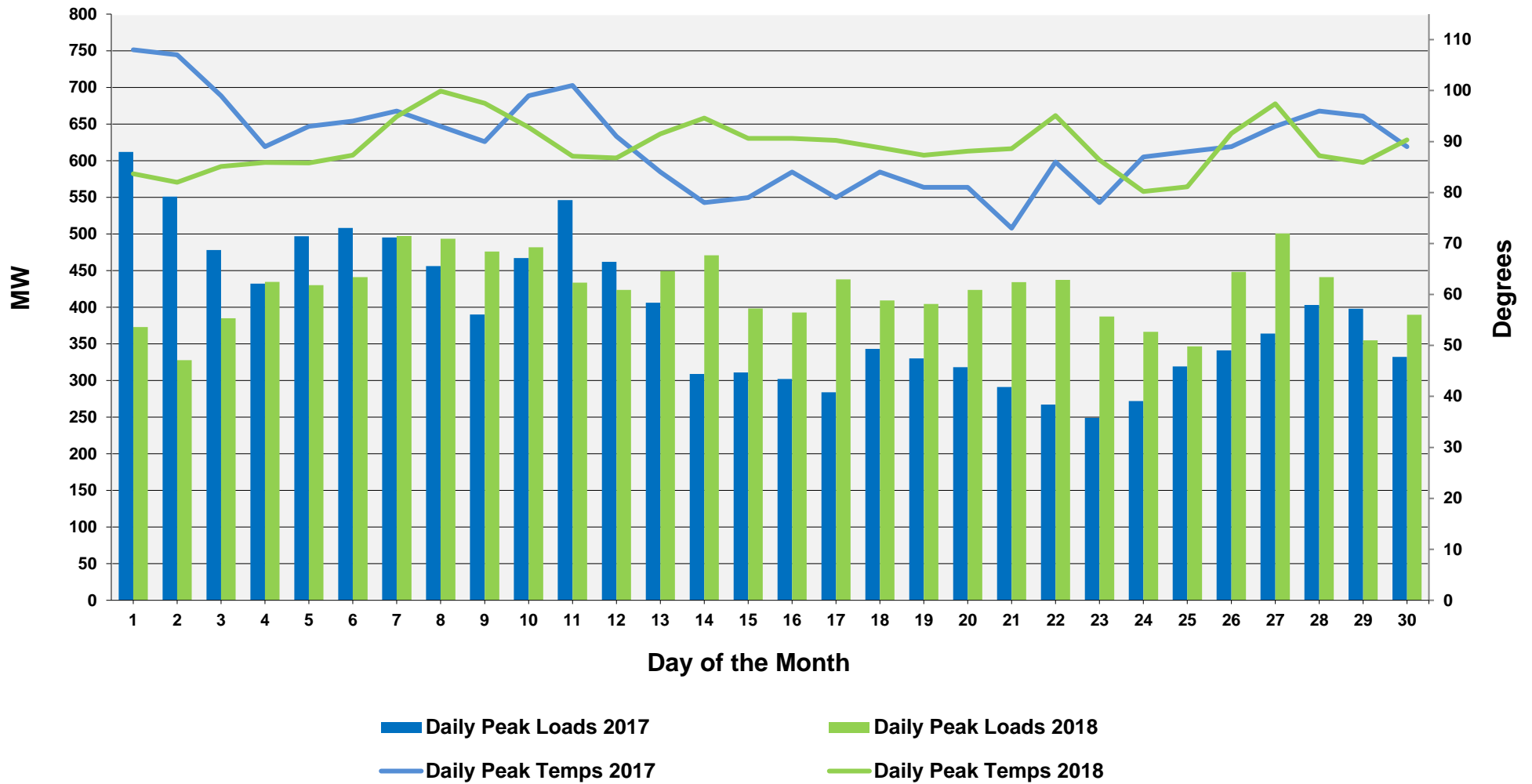
**Chart 2**  
**Peak Hour Total Capacity - September**



**Chart 3**  
**Retail Customer Load - September**



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



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

