



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE** JULY 9, 2018

**GENERAL MANAGERS REPORT  
ITEM NO: 16**

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

Power Usage:

Wholesale Load (Vista): – 174,964 MWH (Chart 1)

Peak Demand: – 374 MW of which 282 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	8,664
b) Coal	45,405
c) Large Hydroelectric	3,279
d) Natural Gas	3,601
e) Renewables	90,392
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	23,623
Total:	174,964

**Total Green Power Supply** – **90,392 MWH** which yields 51.66% of the Total Wholesale Load Requirement

Resource Availability:

**Nuclear:** Palo Verde units 1, 2 and 3 operated at 89.58% capacity factor for the month.

**Coal:** IPP units 1 and 2 operated at 44.55% capacity factor for the month.

**Large Hydro:** Hoover, RVSD's capacity entitlement was 20 MW, with energy entitlement of 3,279 MWH.

**Natural Gas:** Clearwater's availability was 100.00% for the month.  
RERC's (Units 1, 2, 3 and 4) availability was 90.09% for the month.  
Springs's (Units 1, 2, 3 and 4) availability was 97.04% for the month.

**Renewable:** Salton Sea units operated at 100.00% capacity factor for the month.  
Vulcan unit operated at 85.45% capacity factor for the month.  
Wintec operated at 57.96% capacity factor.  
WKN operated at 70.77% capacity factor.  
Transwind operated at 30.98% capacity factor.  
Kingbird Solar operated at 45.15% capacity factor.  
Tequesquite Solar operated at 24.20% capacity factor.  
AP North Lake Solar operated at 31.38% capacity factor.  
Camelot Solar2 operated at 43.79% capacity factor.  
Bigsky Solar3 operated at 44.40% capacity factor.  
Bigsky Solar7 operated at 42.10% capacity factor.  
Bigsky Solar1X operated at 42.92% capacity factor.

The attached graphical comparisons represents RPU's May:

Chart 1: Total Energy Requirements/Resource Mix

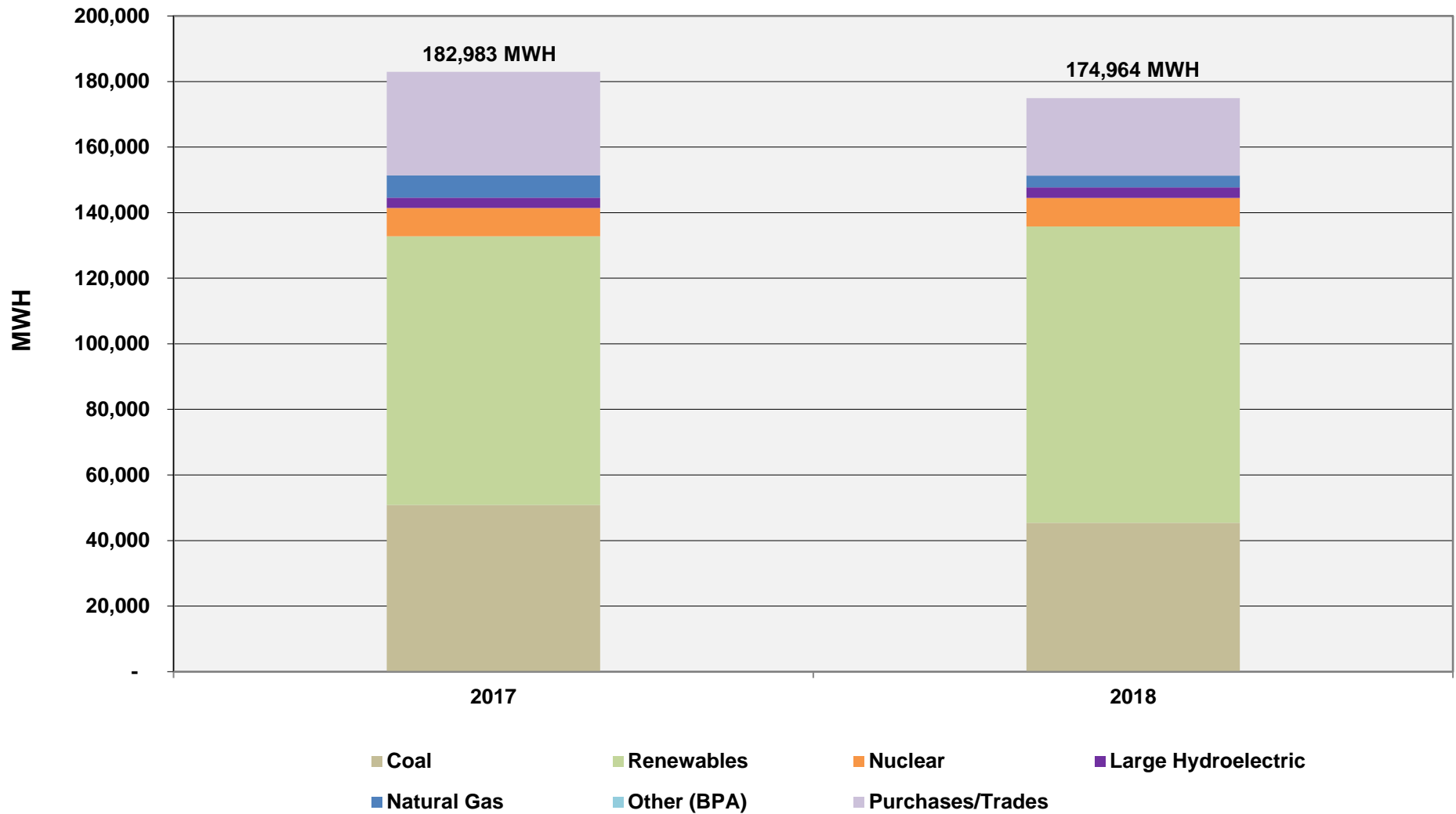
Chart 2: Peak Hour Total Capacity

Chart 3: Retail Customer Load

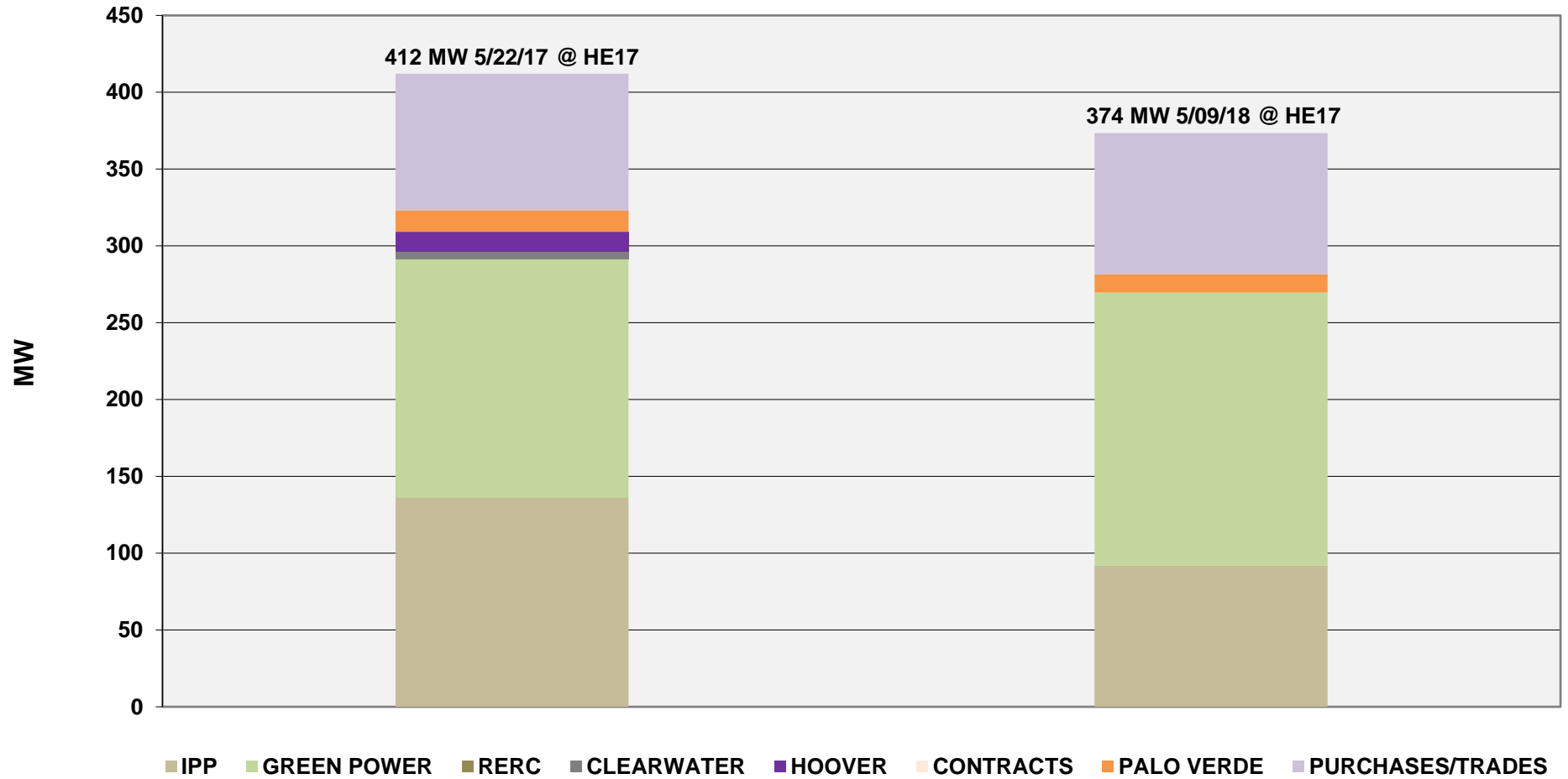
Chart 4: Daily Peak Load and Temperature Comparisons

Chart 5: Monthly Peak Load and Temperature

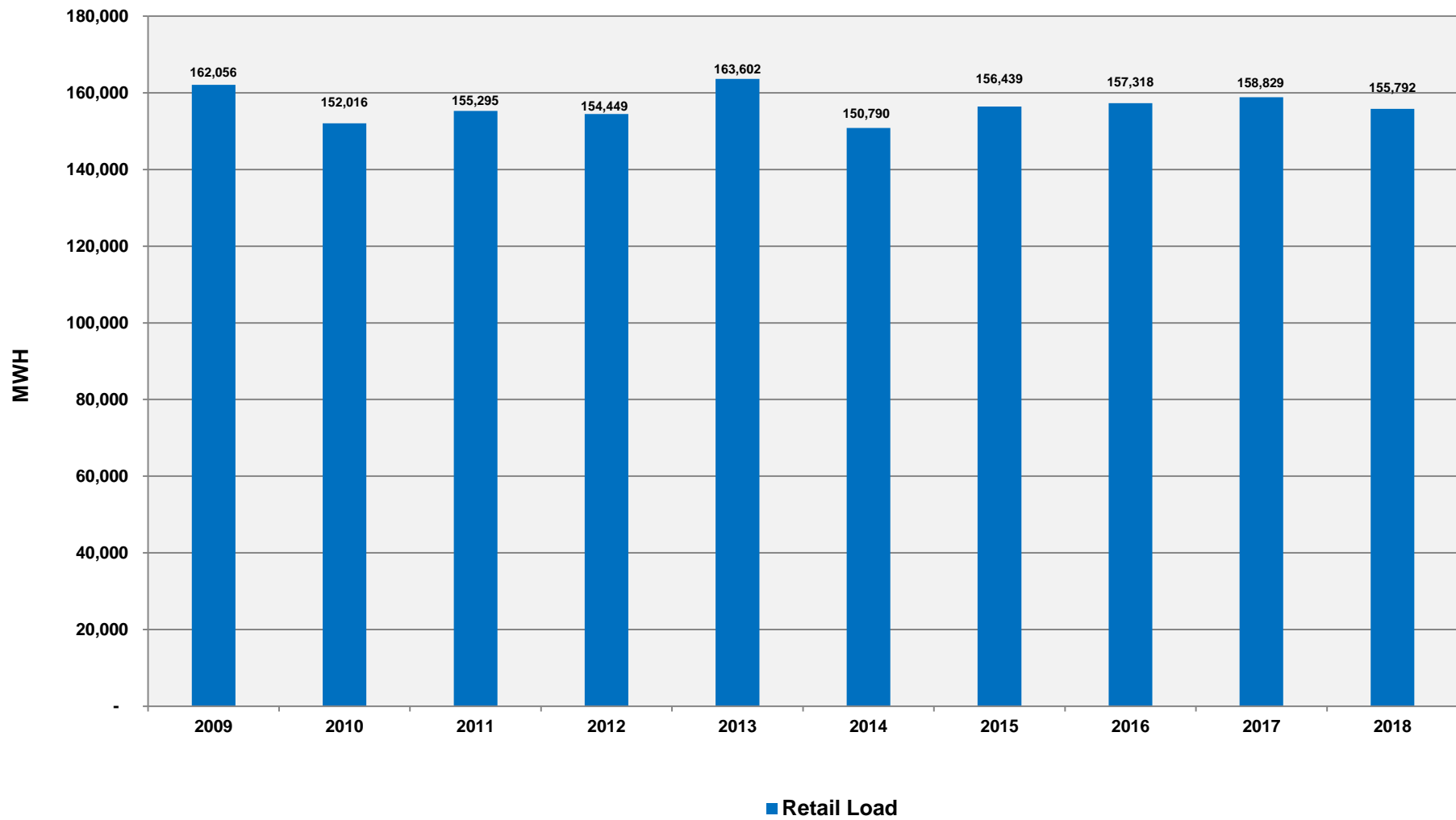
**Chart 1**  
**Total Energy Requirements/Resource Mix - May**



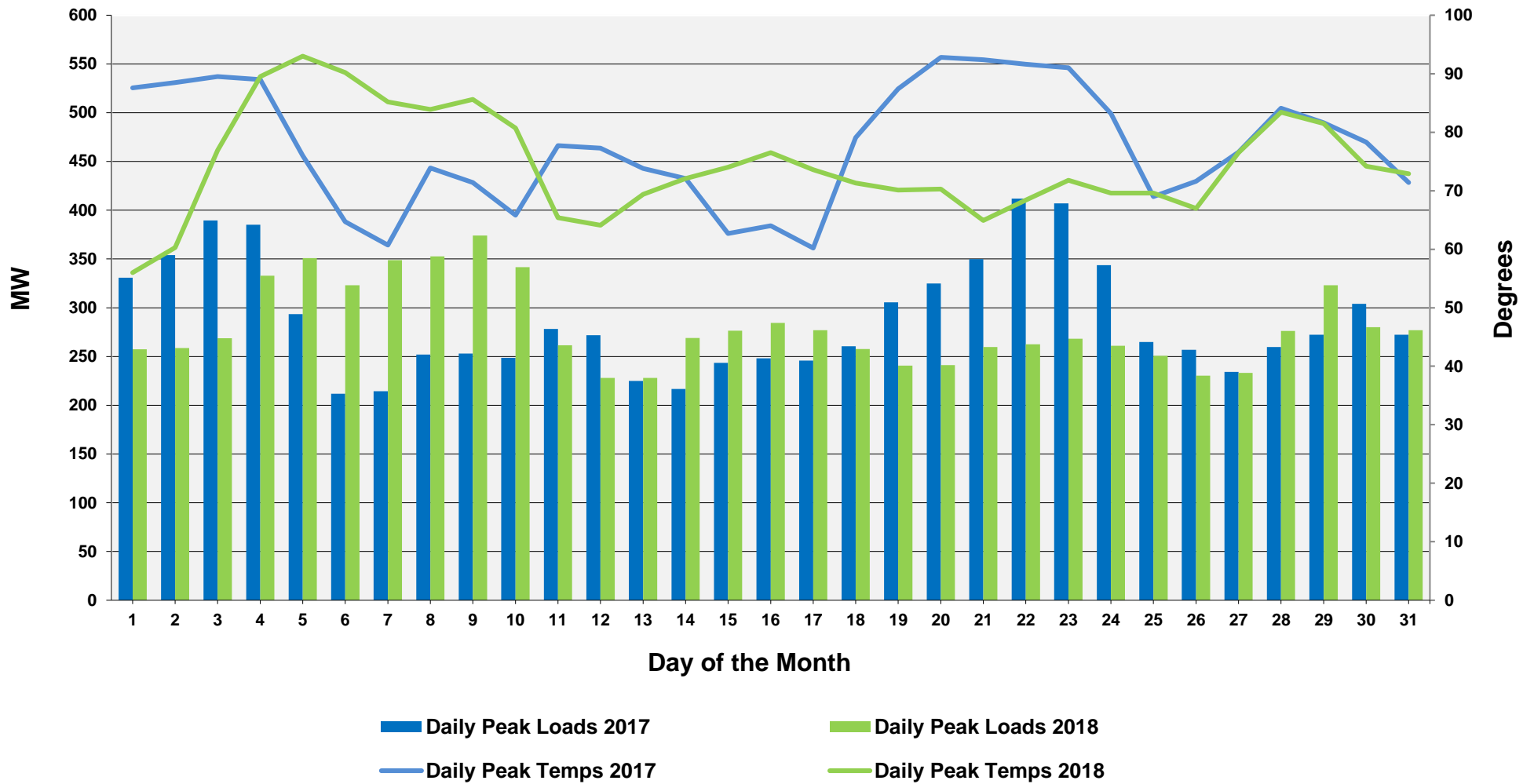
**Chart 2**  
**Peak Hour Total Capacity - May**



**Chart 3**  
**Retail Customer Load - May**



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



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

