



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE** February 10, 2020

**GENERAL MANAGERS  
REPORT ITEM NO: 13**

**SUBJECT: MONTHLY POWER SUPPLY REPORT – December, 2019**

Power Usage:

Wholesale Load (Vista): – 166,809 MWH (Chart 1)

Peak Demand: – 284 MW of which 307 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,564
b) Coal	70,730
c) Large Hydroelectric	698
d) Natural Gas	2,670
e) Renewables	69,316
f) Inter SC Trades	-
g) Green Inter SC Trades	-
h) CAISO Purchases	13,831
Total:	166,809

**Total Green Power Supply** – **69,316 MWH** which yields 41.55% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 98.88% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 69.39% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 17 MW, with energy entitlement of 698 MWH.

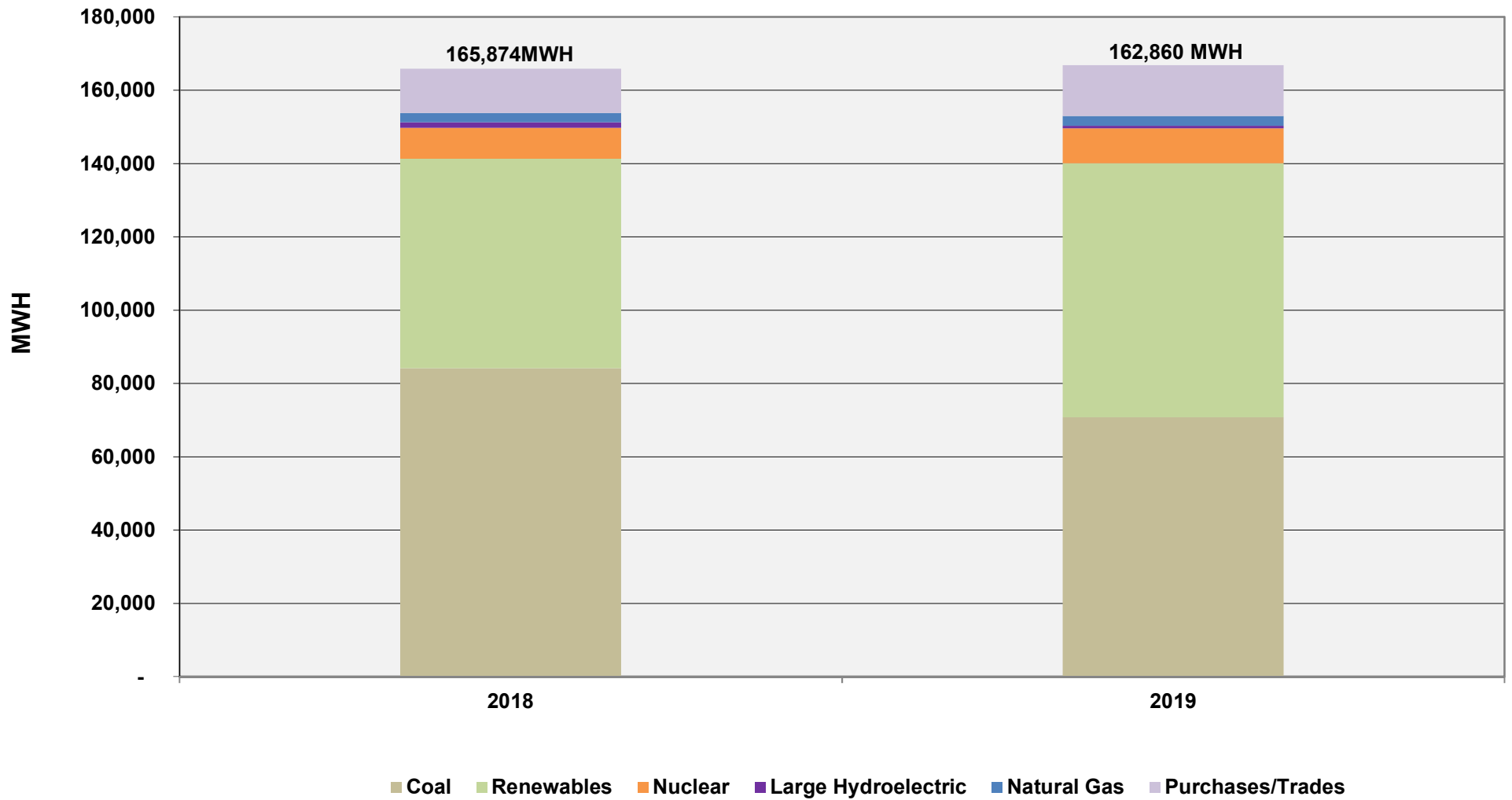
Natural Gas: Clearwater's availability was 82.19% for the month.  
RERC's (Units 1, 2, 3 and 4) availability was 71.14% for the month.  
Springs's (Units 1, 2, 3 and 4) availability was 78.23% for the month.

Renewable: Salton Sea units operated at 93.72% capacity factor for the month.  
Vulcan unit operated at 89.94% capacity factor for the month.  
Wintec operated at 4.64% capacity factor.  
WKN operated at 5.26% capacity factor.  
Transwind operated at 1.02% capacity factor.  
Kingbird Solar operated at 14.63% capacity factor.  
Tequesquite Solar operated at 10.78% capacity factor.  
AP North Lake Solar operated at 13.00% capacity factor.  
Camelot Solar2 operated at 15.43% capacity factor.  
Bigsky Solar3 operated at 14.89% capacity factor.  
Bigsky Solar7 operated at 12.87% capacity factor.  
Bigsky Solar1X operated at 14.23% capacity factor.

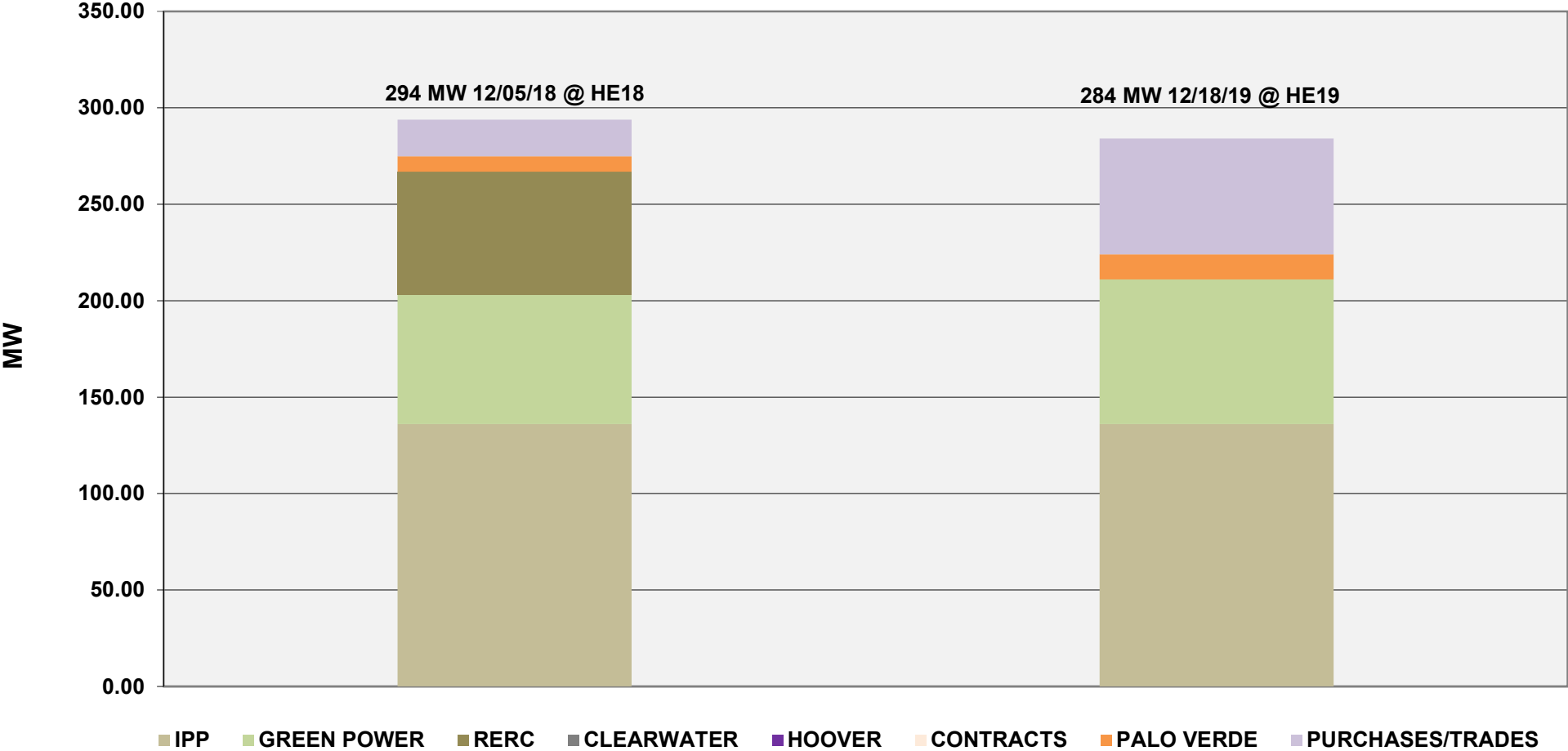
The attached graphical comparisons represent RPU's December:

- 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

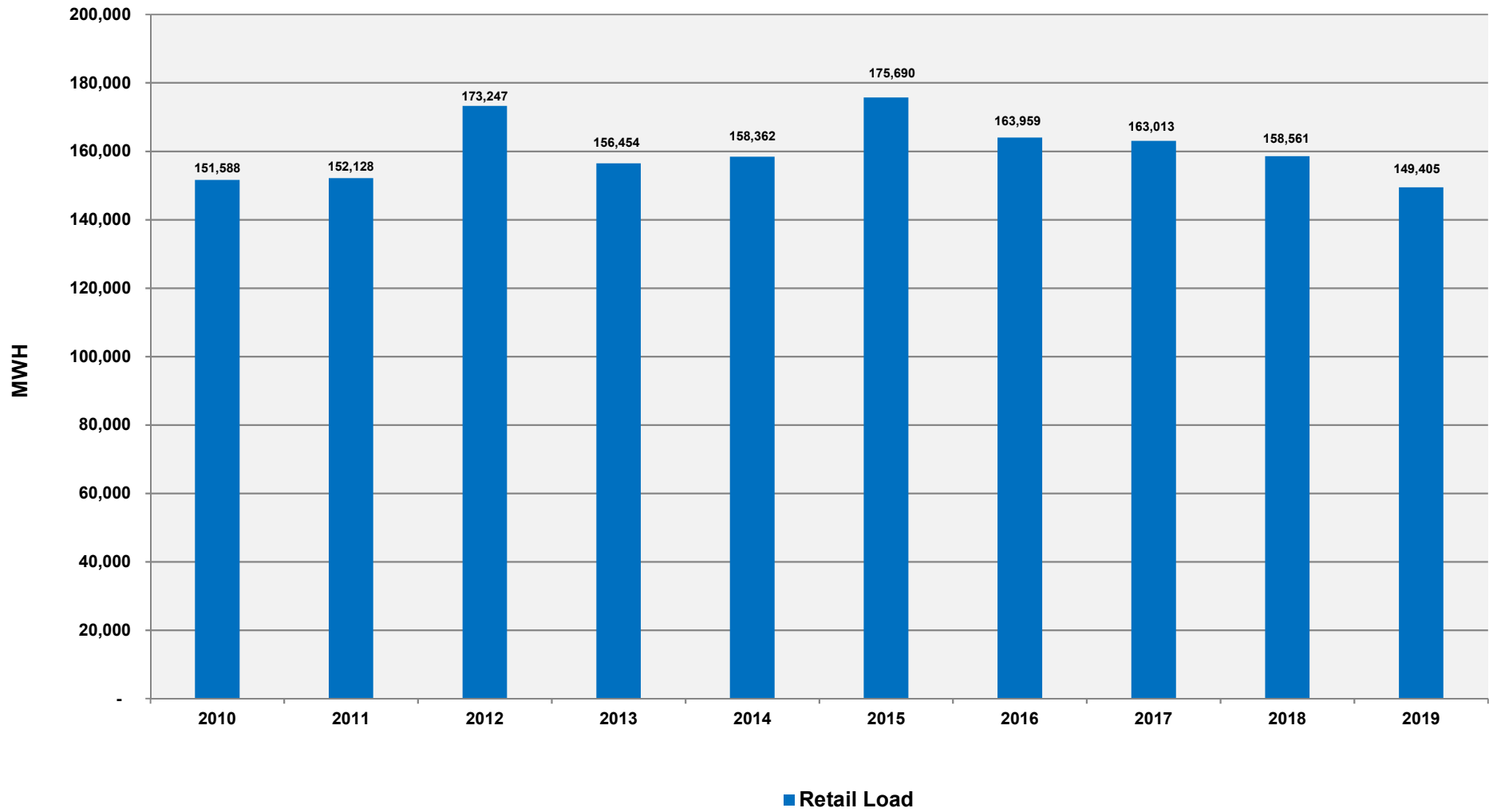
**Chart 1**  
**Total Energy Requirements/Resource Mix - December**



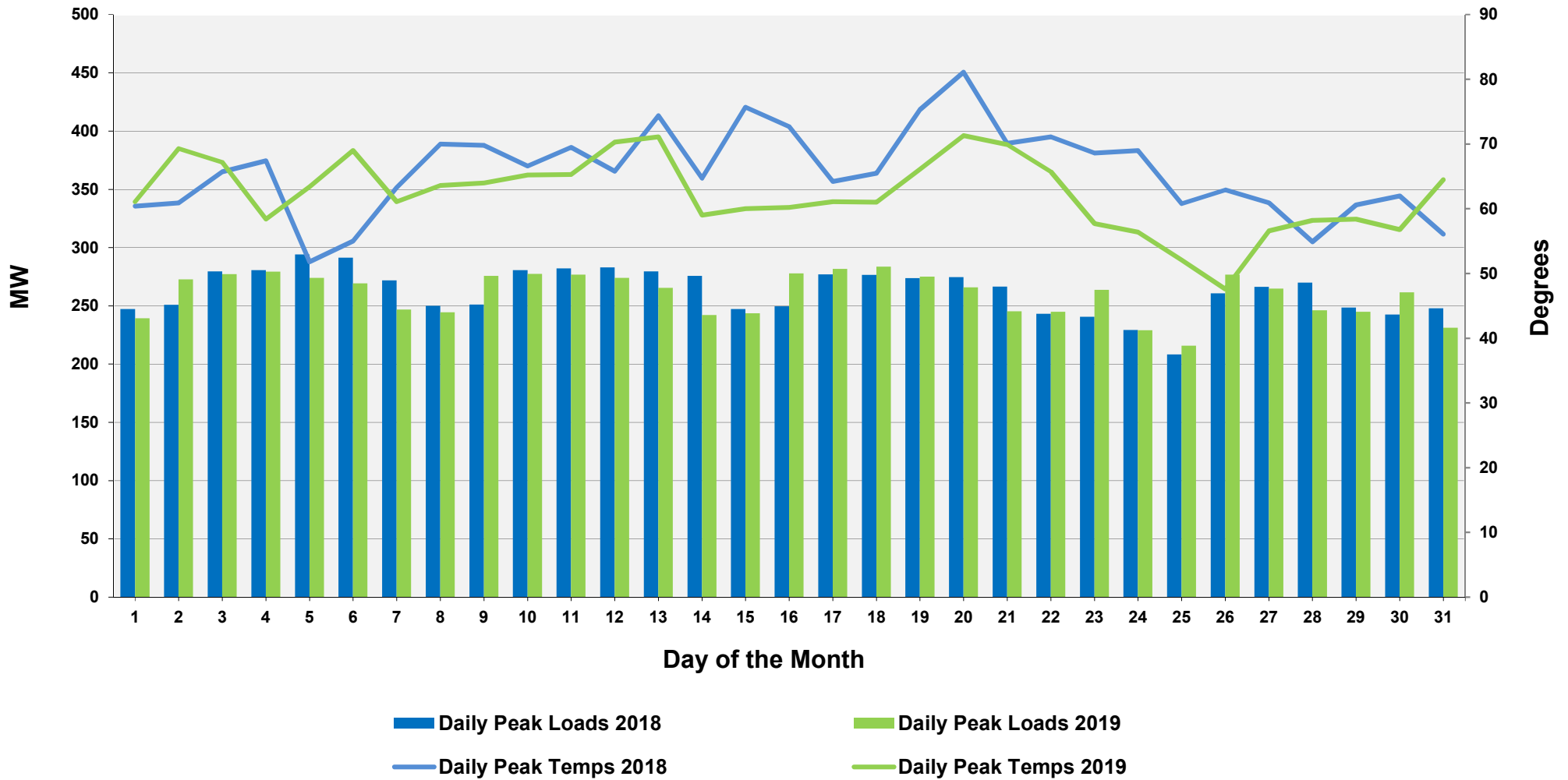
**Chart 2**  
**Peak Hour Total Capacity - December**



**Chart 3**  
**Retail Customer Load - December**



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



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

