



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: OCTOBER 24, 2016

**GENERAL MANAGERS REPORT
ITEM NO: 23**

SUBJECT: MONTHLY POWER SUPPLY REPORT – August 2016

Power Usage:

Wholesale Load (Vista): – 251,386 MWH (Chart 1)
Peak Demand: – 578 MW of which 508 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

| <u>Resource</u> | <u>MWH</u> |
|--------------------------|------------|
| a) Nuclear | 9,456 |
| b) Coal | 61,506 |
| c) Large Hydroelectric | 2,060 |
| d) Natural Gas | 22,382 |
| e) Renewables | 69,238 |
| f) Inter SC Trades | 51,045 |
| g) Green Inter SC Trades | - |
| h) CAISO Purchases | 35,700 |
| Total: | 251,386 |

Total Green Power Supply – **69,238 MWH** which yields 27.54% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 97.77% capacity factor for the month.
Coal: IPP units 1 and 2 operated at 60.34% capacity factor for the month.
Large Hydro: Hoover, RVSD's capacity entitlement was 19 MW, with energy entitlement of 2,060 MWH.
Natural Gas: Clearwater's availability was 100% 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 96.09% for the month.
Renewable: Salton Sea units operated at 93.57% capacity factor for the month.
Vulcan unit operated at 79.01% capacity factor for the month.
Wintec operated at 44.72% capacity factor.
WKN operated at 47.87% capacity factor.
Kingbird Solar operated at 35.10% capacity factor.
Tequesquite Solar operated at 27.74% capacity factor.
AP North Lake Solar operated at 29.18% capacity factor.
Camelot Solar operated at 42.01% capacity factor.
Bigsky Solar operated at 73.91% capacity factor.
Transwind operated at 23.57% 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

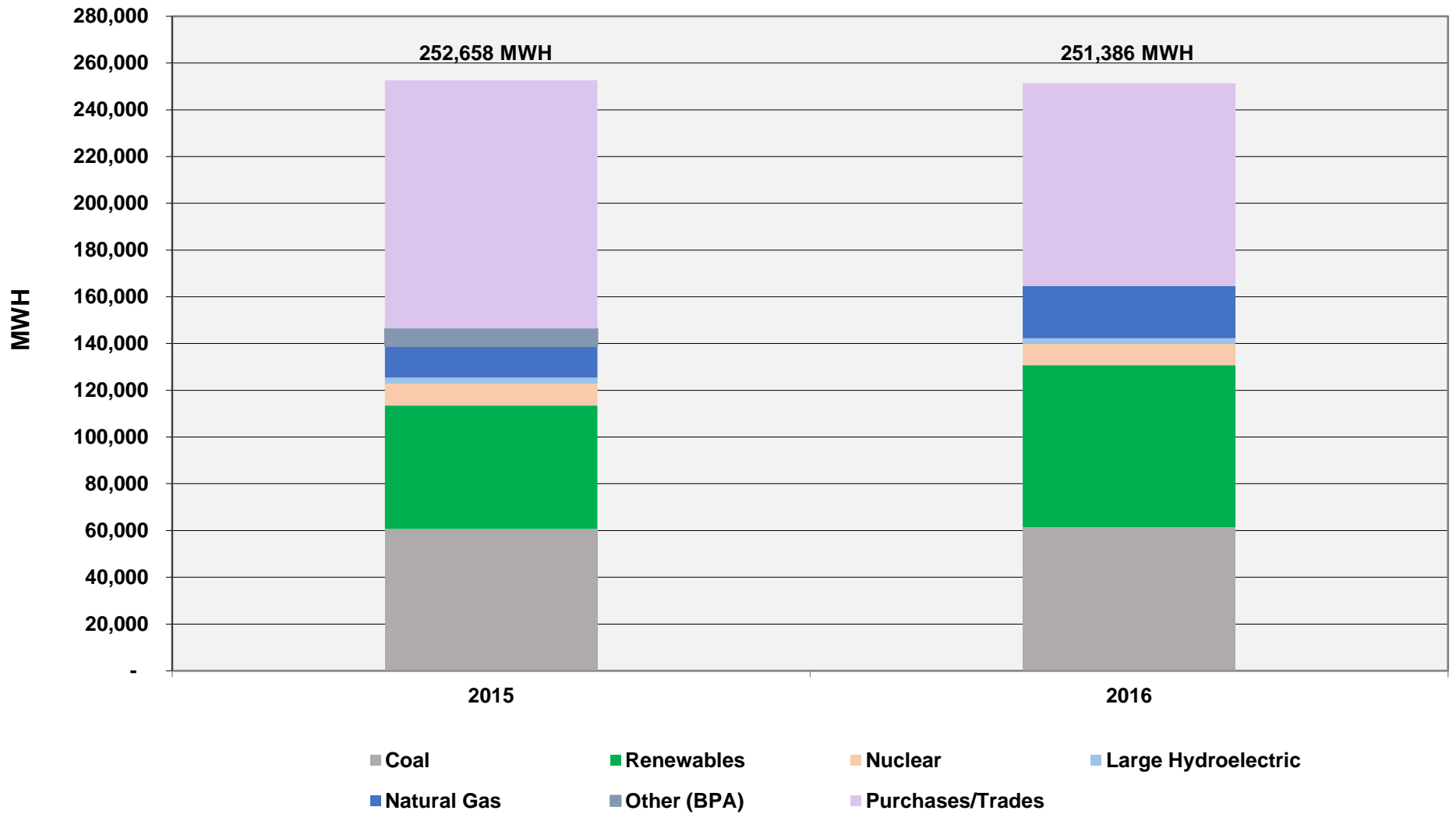


Chart 2
Peak Hour Total Capacity - August

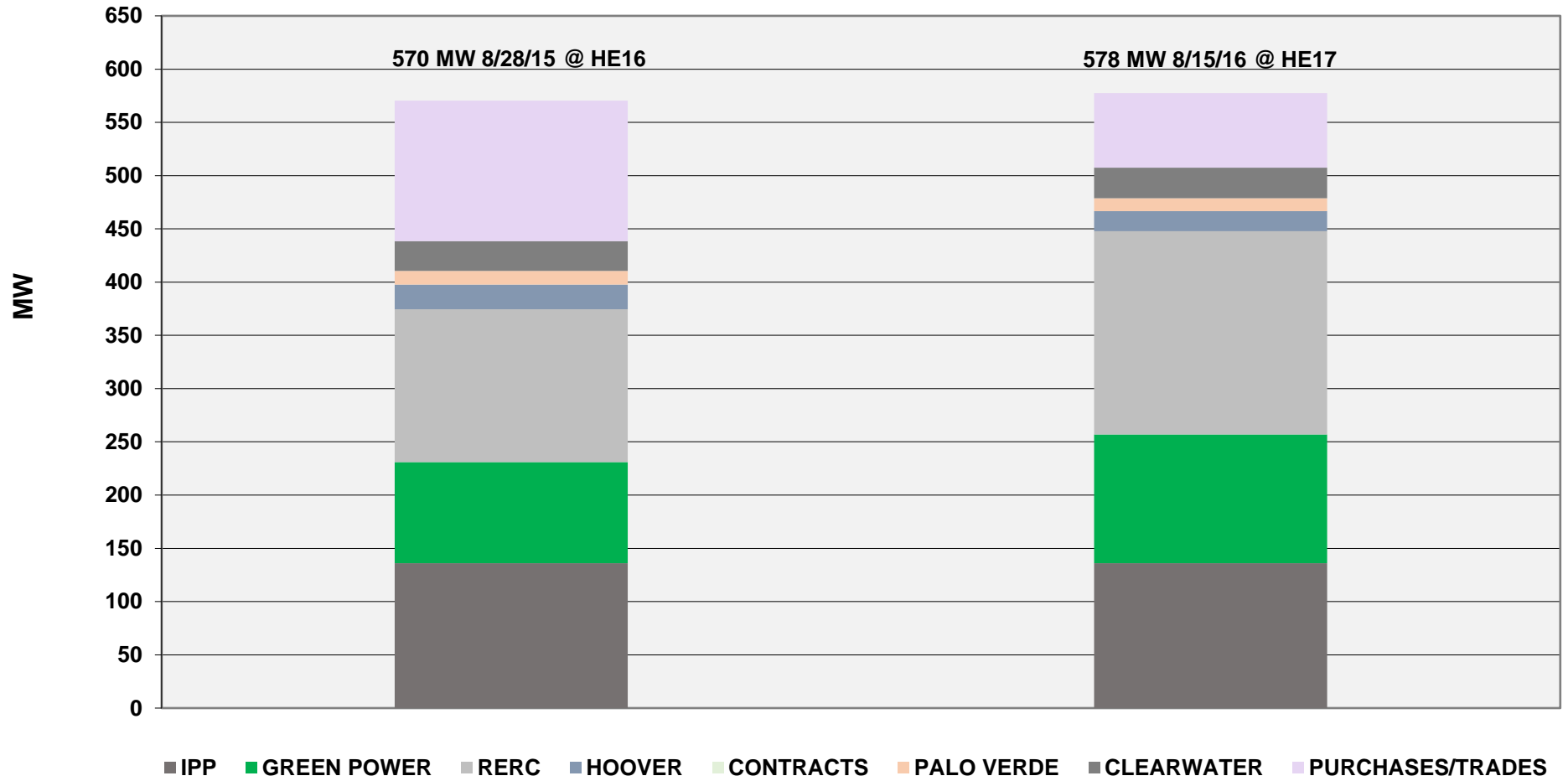


Chart 3
Retail Customer Load - August

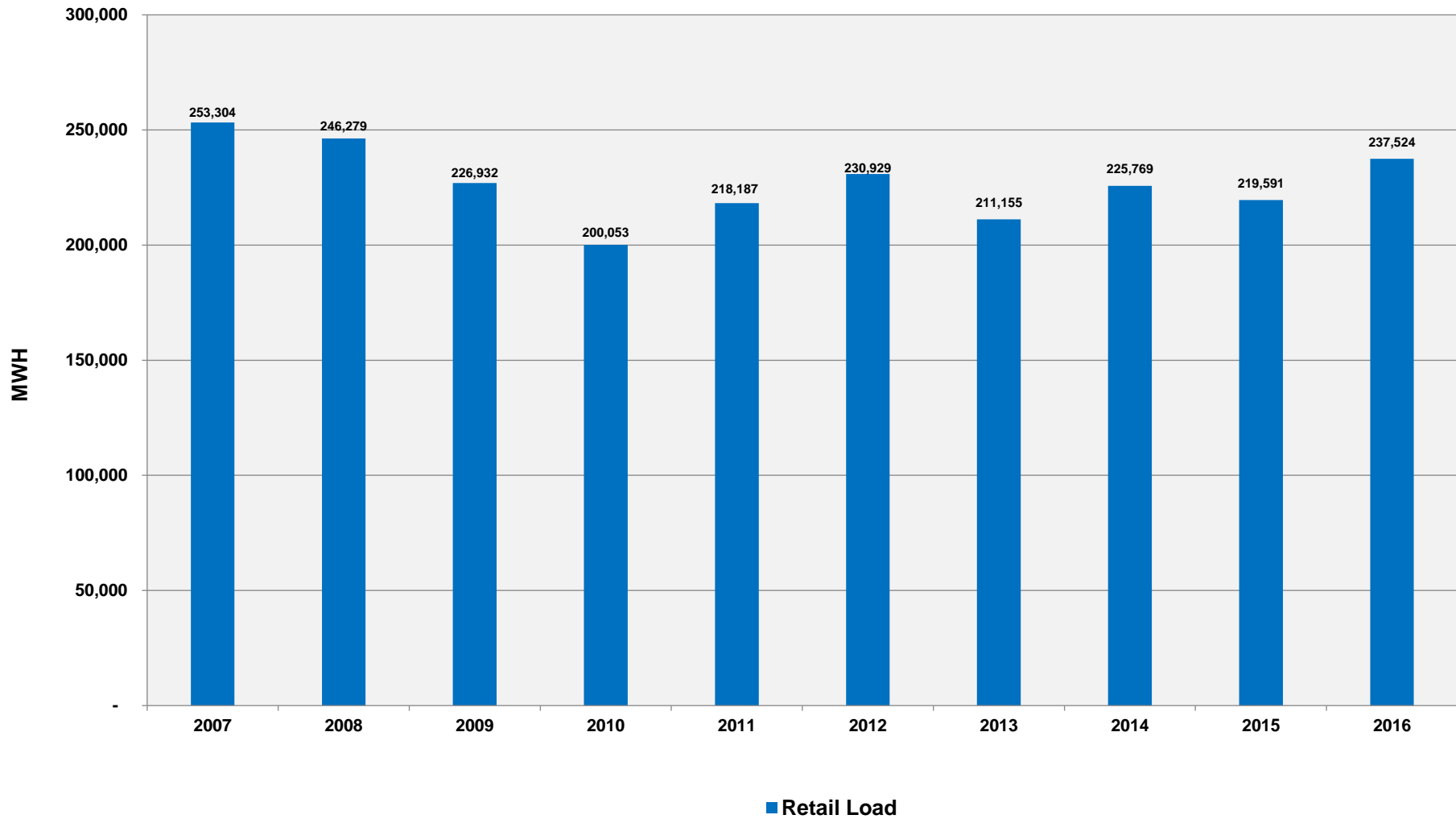


Chart 4
Daily Peak Load and Temperature Comparisons
August

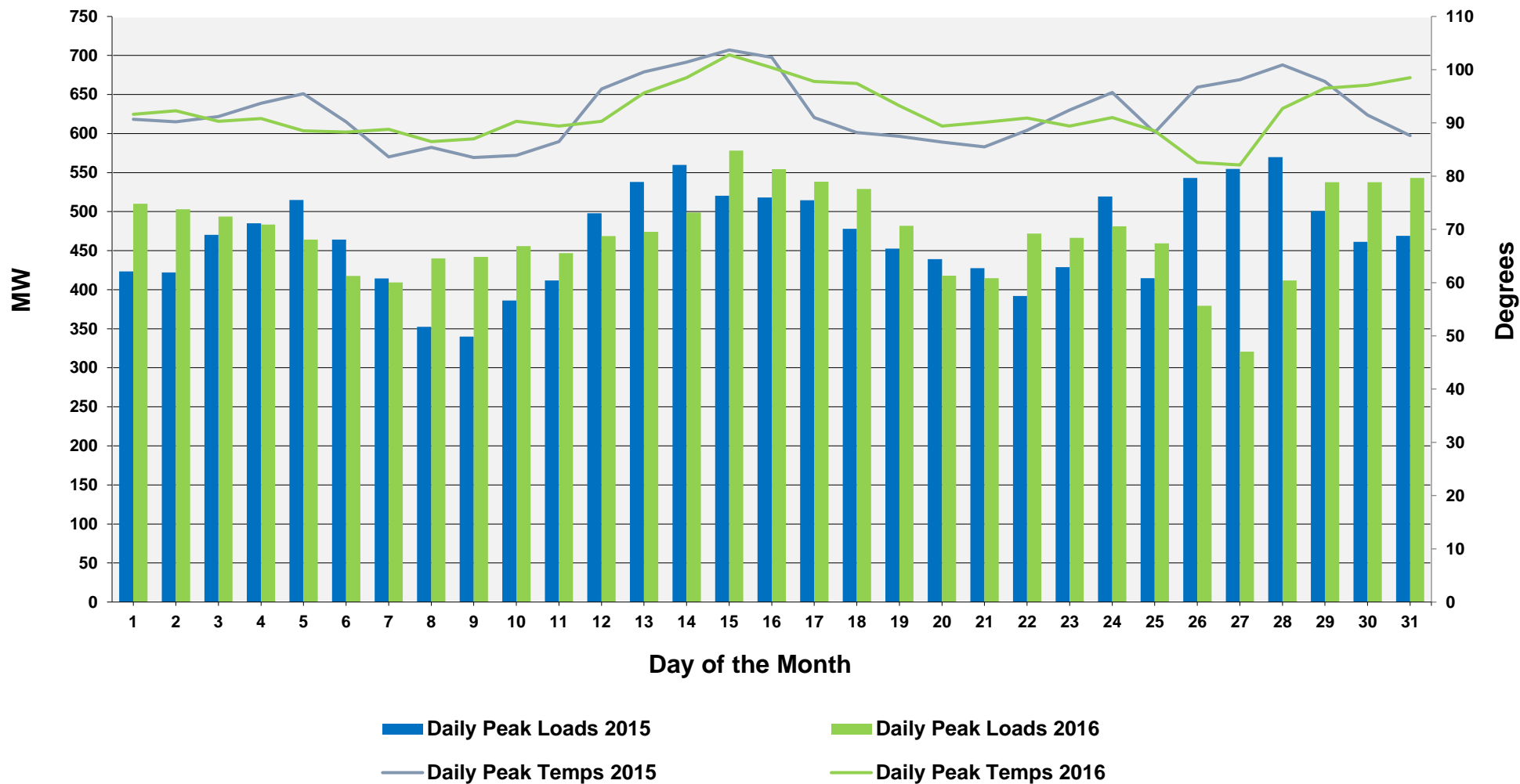


Chart 5
Monthly Peak Load & Temperature

