

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: MAY 9, 2016

GENERAL MANAGERS REPORT
ITEM NO: 15

SUBJECT: MONTHLY POWER SUPPLY REPORT – March 2016

Power Usage:

Wholesale Load (Vista): – 166,943 MWH (Chart 1)

Peak Demand: – 301 MW of which 200 MW came from RVSD available resources (Chart 2)

RVSD Energy Mix (Chart 1):

<u>Resource</u>	<u>MWH</u>
a) Nuclear	9,750
b) Coal	31,216
c) Large Hydroelectric	3,434
d) Natural Gas	2,431
e) Renewables	31,027
f) Other (BPA)	2,020
g) Inter SC Trades	35,170
h) Green Inter SC Trades	-
i) CAISO Purchases	51,895
Total:	166,943

Total Green Power Supply – 31,027 MWH which yields 18.59% of the Total Wholesale Load Requirement

Resource Availability:

Nuclear: Palo Verde units 1, 2 and 3 operated at 100.00% capacity factor for the month.

Coal: IPP units 1 and 2 operated at 30.63% capacity factor for the month.

Large Hydro: Hoover, RVSD's capacity entitlement was 17 MW, with energy entitlement of 2,020 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 17.20% capacity factor for the month.
Wintec operated at 46.26% capacity factor.
WKN operated at 44.52% capacity factor.
Tequesquite Solar operated at 21.71% capacity factor.
AP North Lake Solar operated at 19.36% capacity factor.
Camelot Solar operated at 34.01% capacity factor.
Transwind operated at 16.27% capacity factor.

The attached graphical comparisons represents RPU's March:

- 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 - March

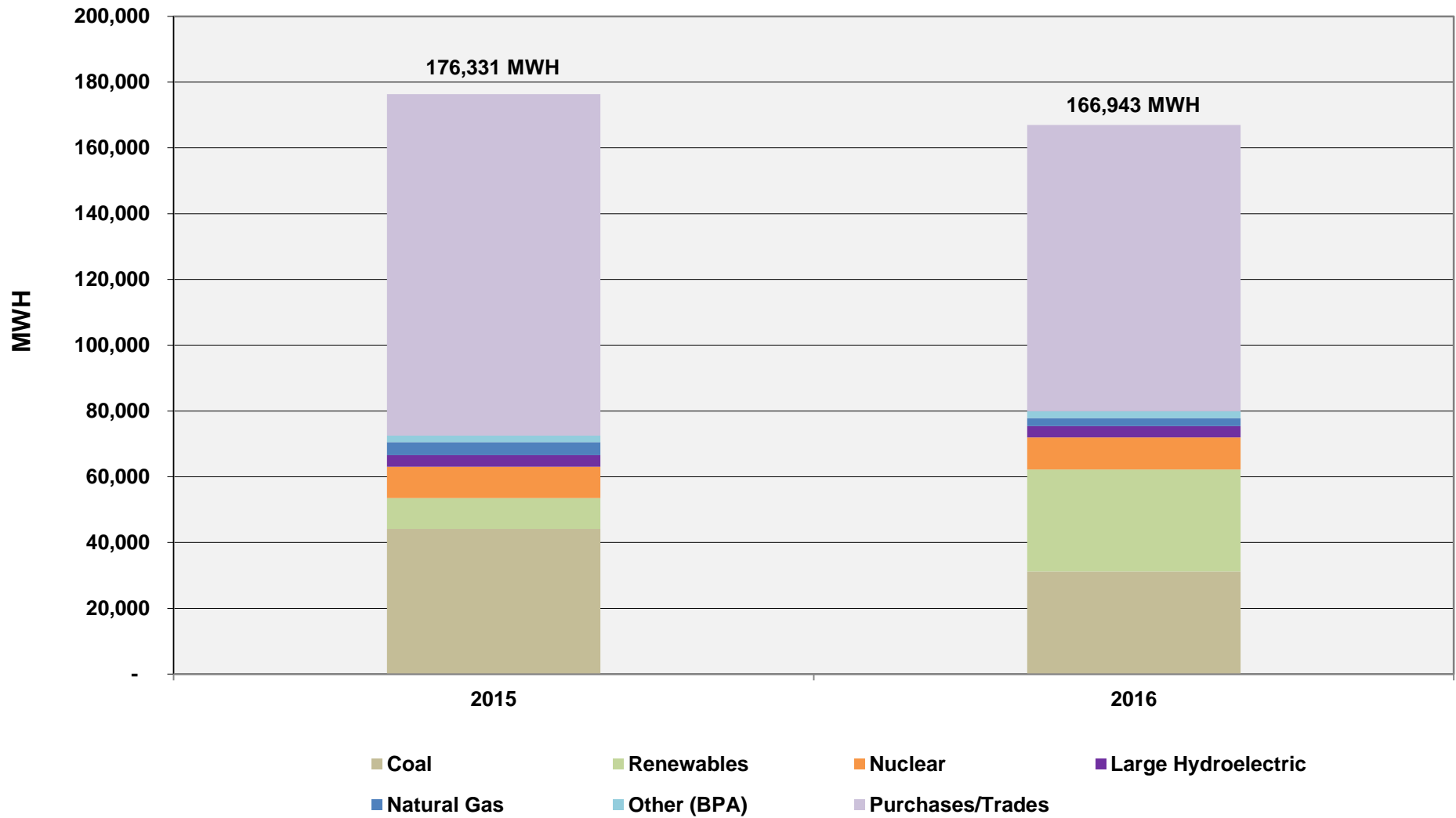


Chart 2
Peak Hour Total Capacity - March

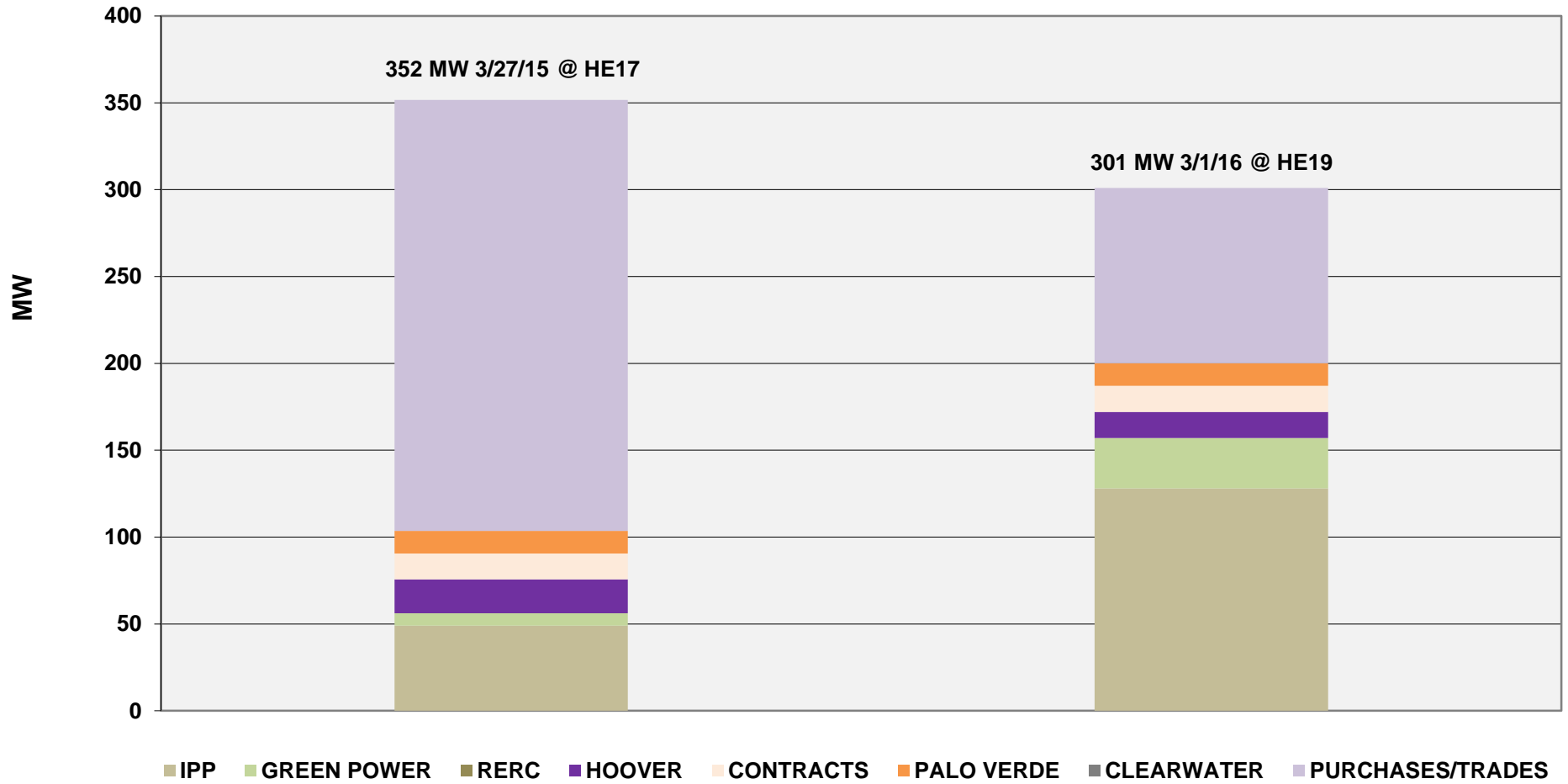


Chart 3
Retail Customer Load - March

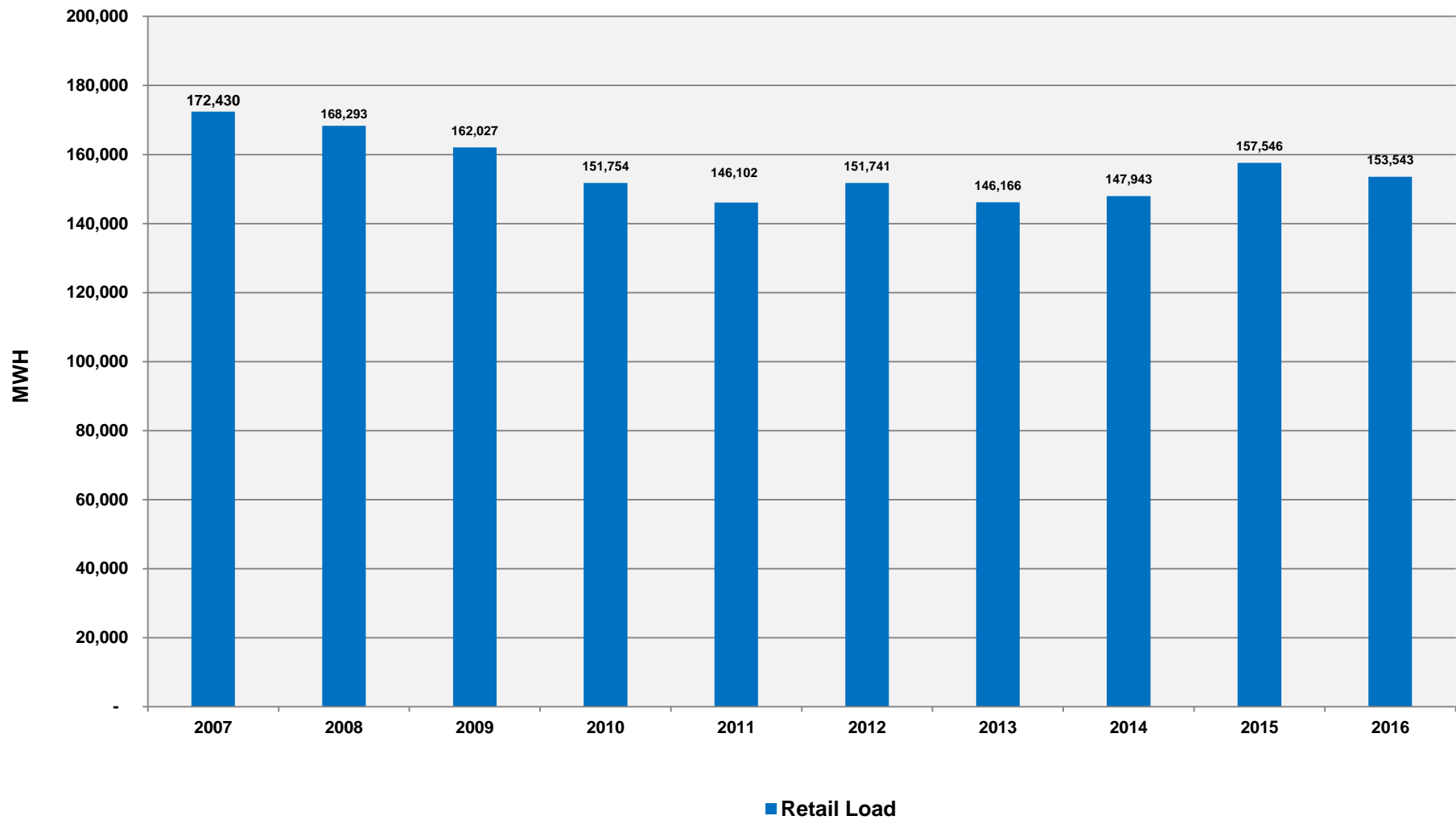


Chart 4
Daily Peak Load and Temperature Comparisons
March

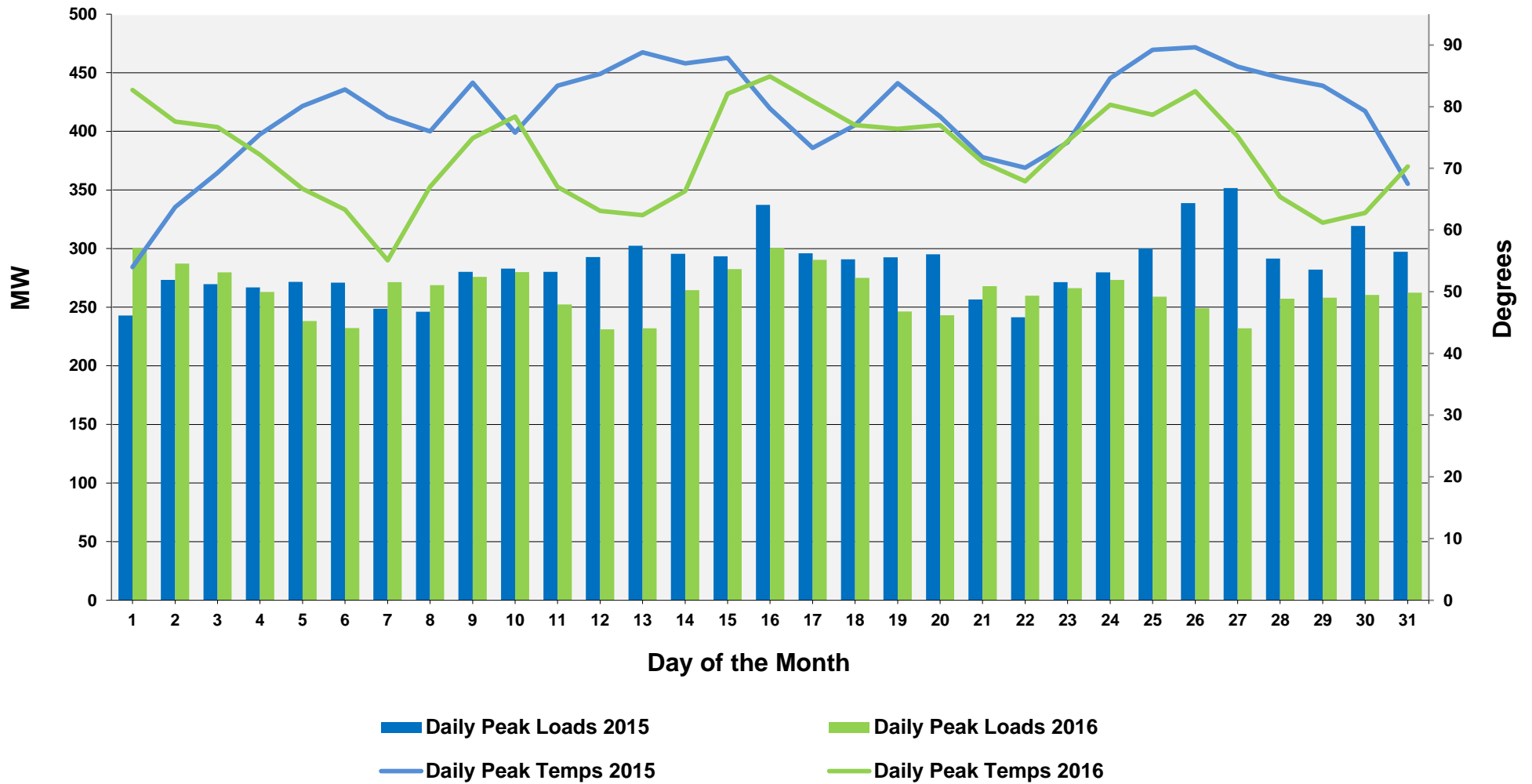


Chart 5
Monthly Peak Load & Temperature

