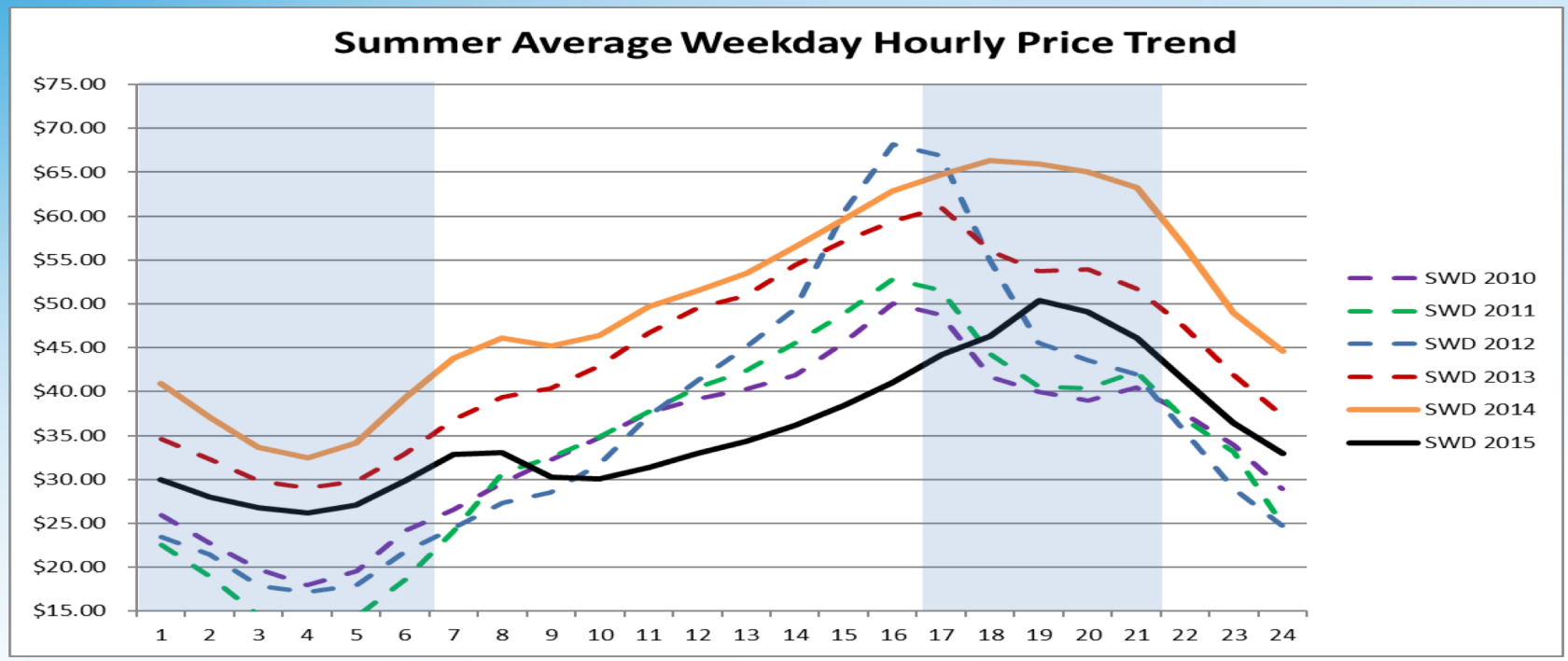
DEER Peak Period Workshop

Peak Period Shift Overview

April 3, 2018

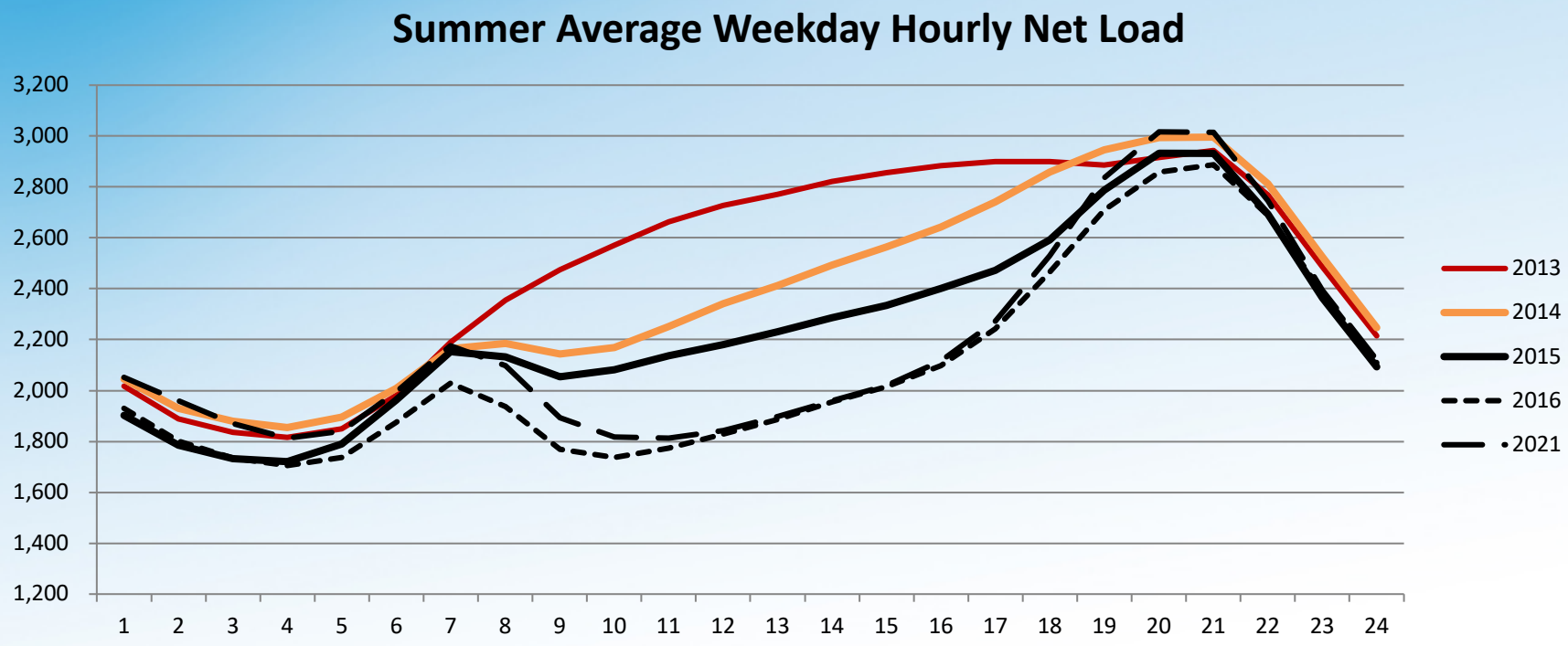
Changes to TOU periods are driven by fundamental changes in the market



The hours with the highest market prices has shifted from late afternoon hours to evening hours

* Prices for the SDG&E DLAP

The need for capacity is now driven by "net load" - load minus renewables



Net loads are highest in the evenings when loads are relatively high but renewable supply is minimal

Data based on SDG&E system but is very similar to CAISO wide data

EE is most valuable in the evening when prices are highest and capacity need is greatest

- Benefits of change
  - Energy is most expensive in the evenings, not afternoons
  - Capacity is most valuable in the evenings, not afternoons, due to the loss of supply from renewables
- SDG&E is using the same data to:
  - Recognize GHG savings from changes in TOU driven load shift
  - Support EV charging programs to discourage charging in the evenings.
  - Evaluate supply side resource options based on capacity contributions during evening hours
- EE and other demand side resources should be aligned with this approach