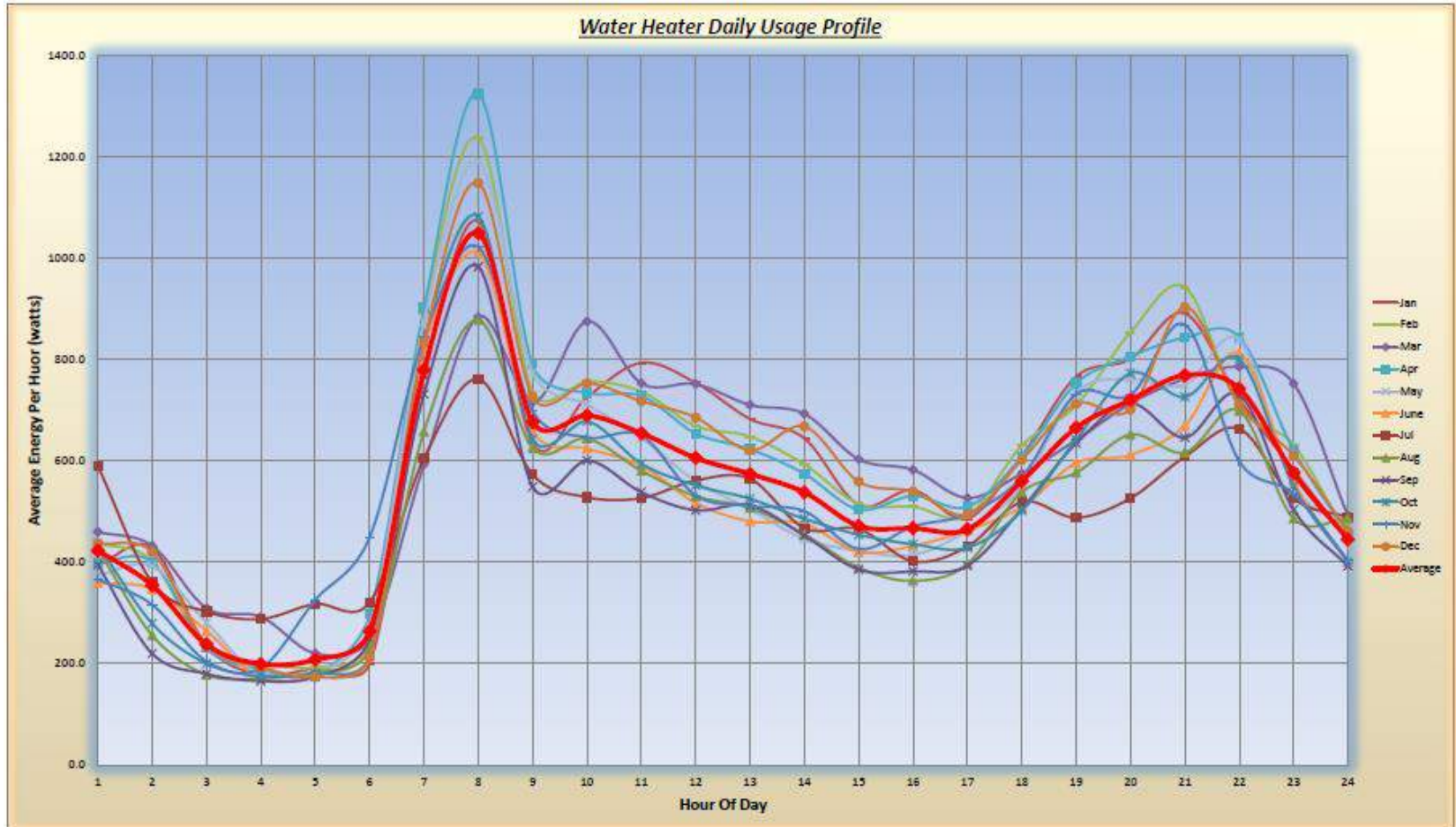


# Community Solar Big Picture – Bright Future!



**WAPA - Golden, Colorado  
June 7–8, 2017**

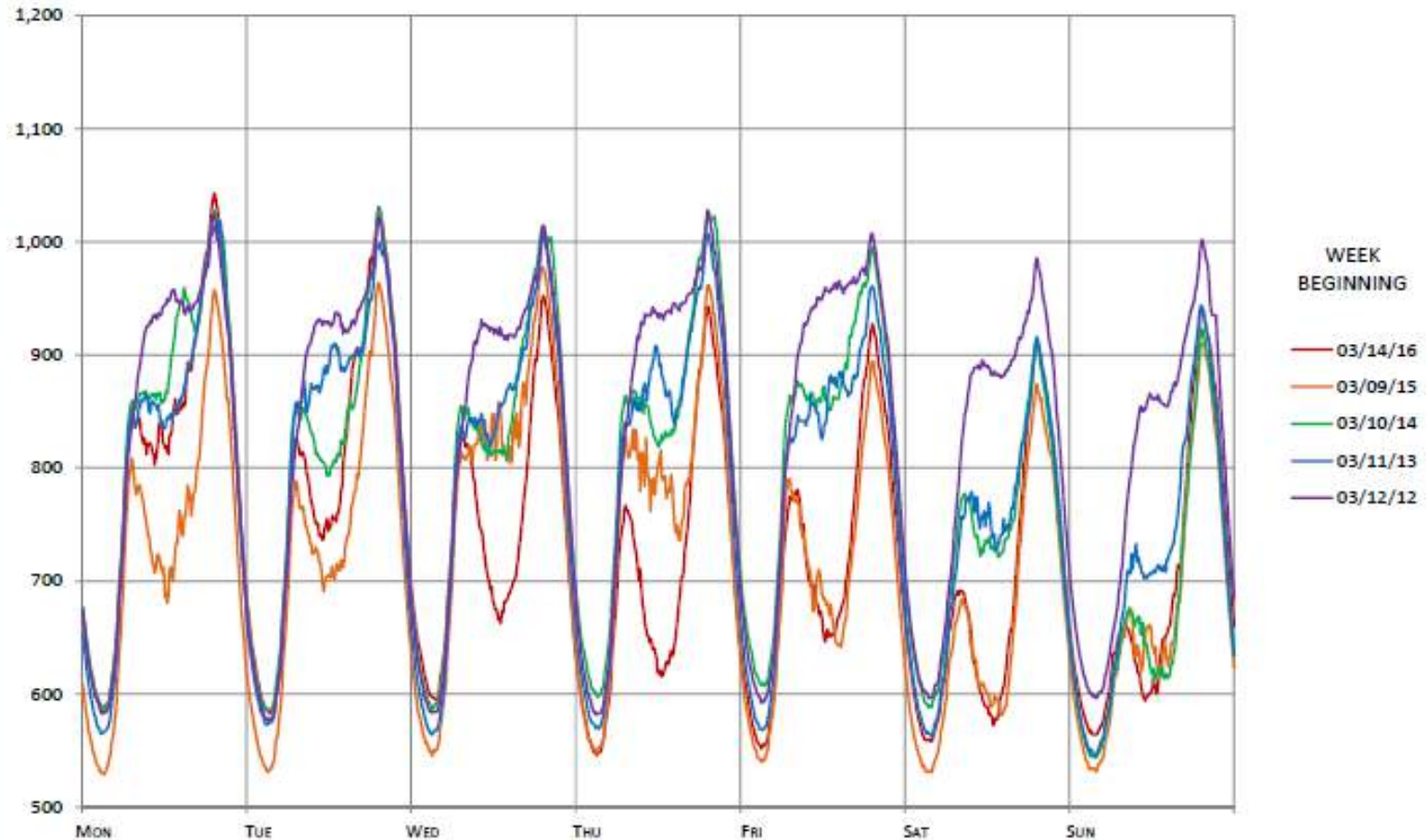
# Actual Daily WH Demand in Watts by Hour and by Month



# A Postcard from the Future

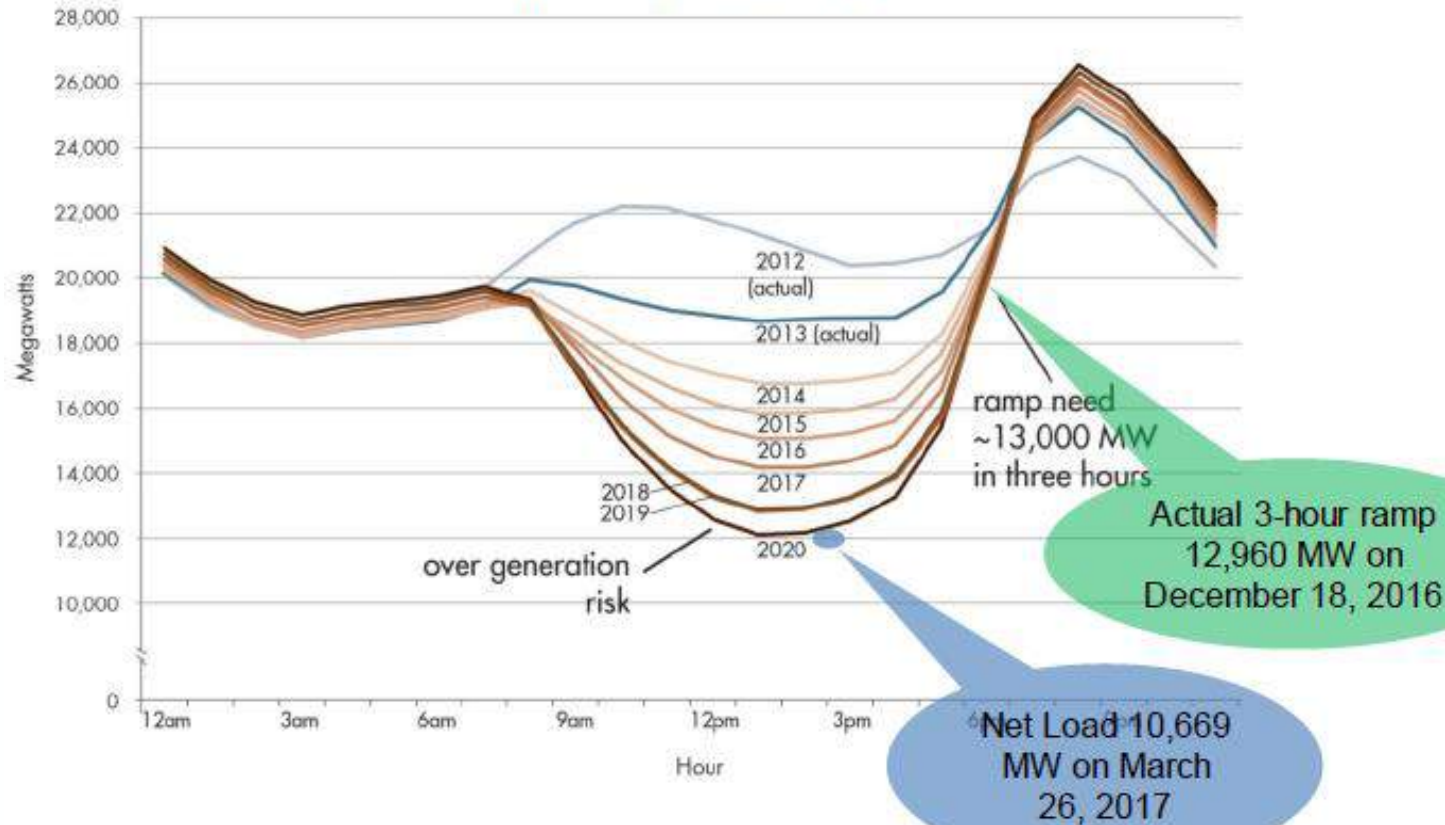


# Hawaiian Net Load by Day

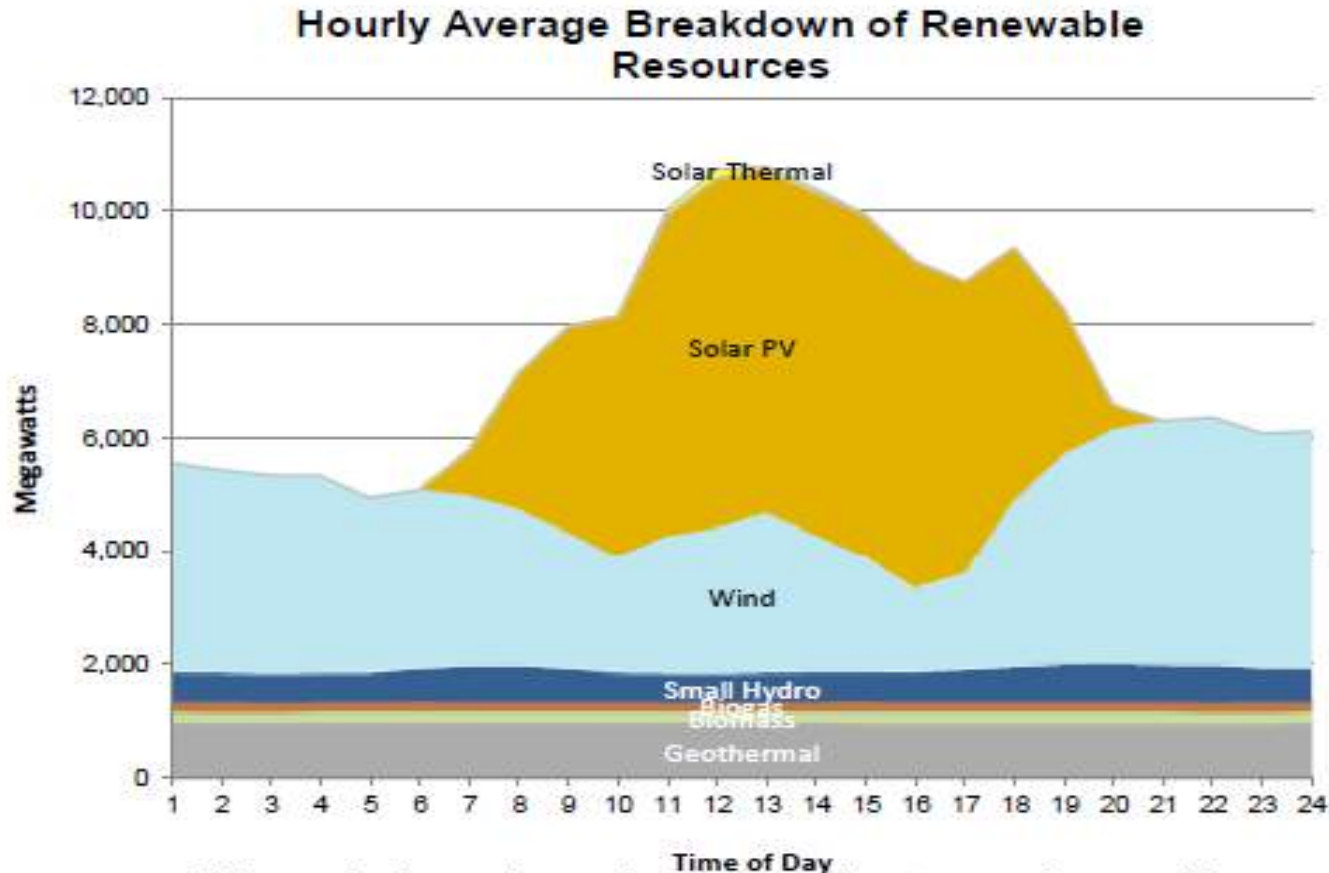


# CAISO ~ "4 Yrs Ahead of Plan"

Typical Spring Day



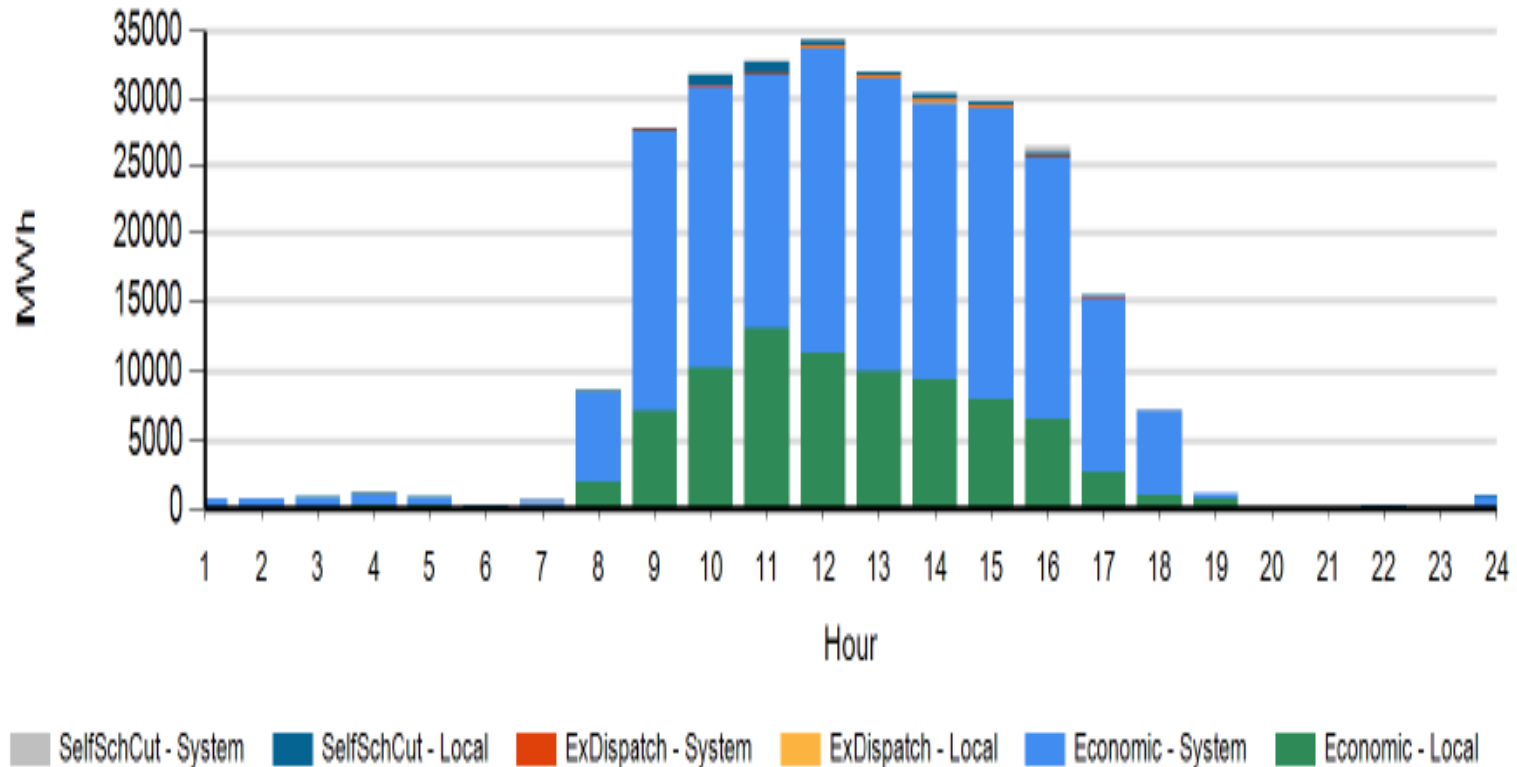
# CAISO – Re E May 31<sup>th</sup> 2017



This graph shows the production of various types of renewable generation across the day.

# YTD Curtailment – Hey - Familiar!

## Curtailed MWh YTD



# GETS - Oahu, Hawaii





# 14 Buildings – 499 Units - Oahu

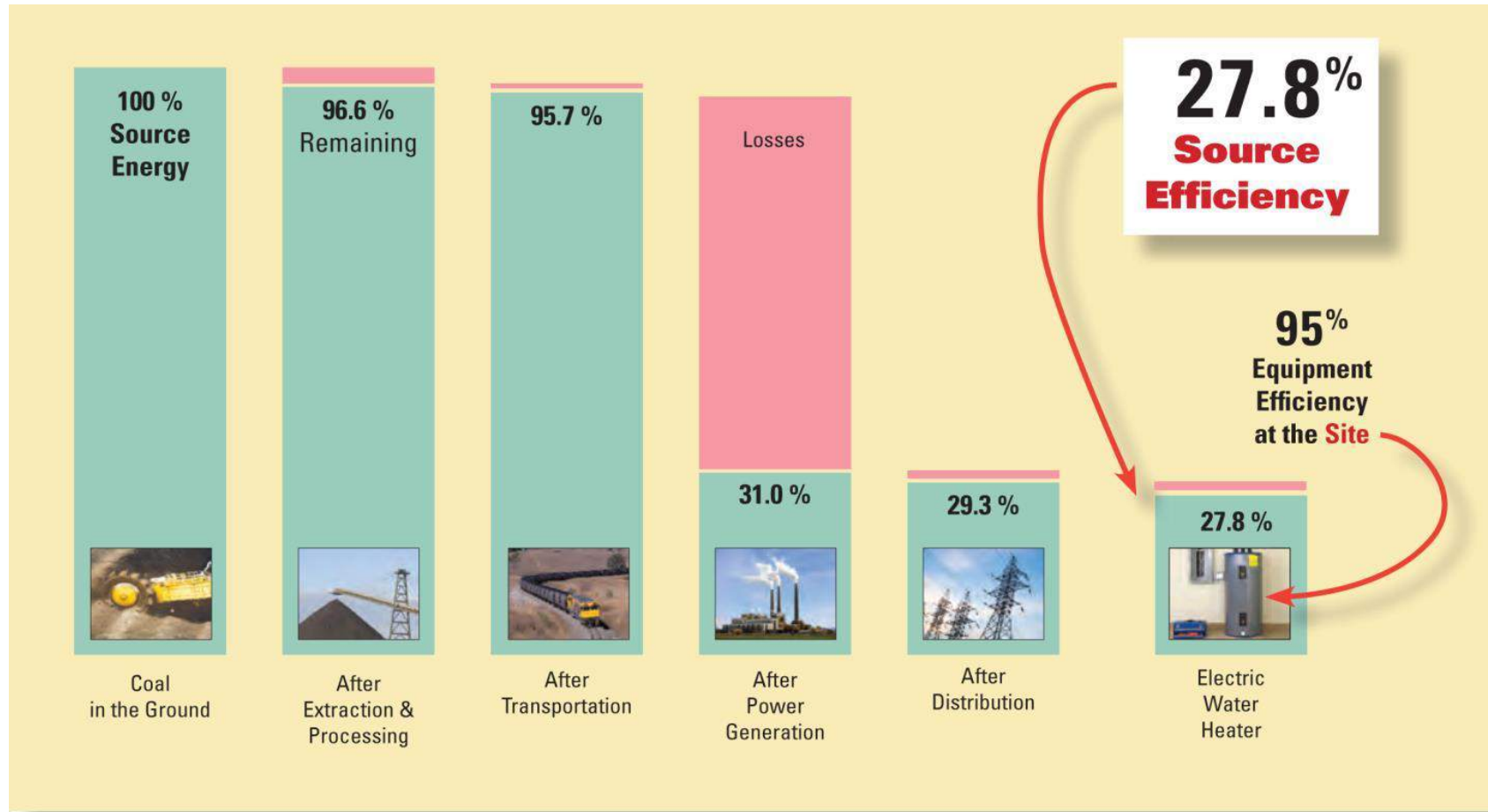


Murphy – CSVP - Big Picture – Bright Future!

# GETS Begins -July 2015



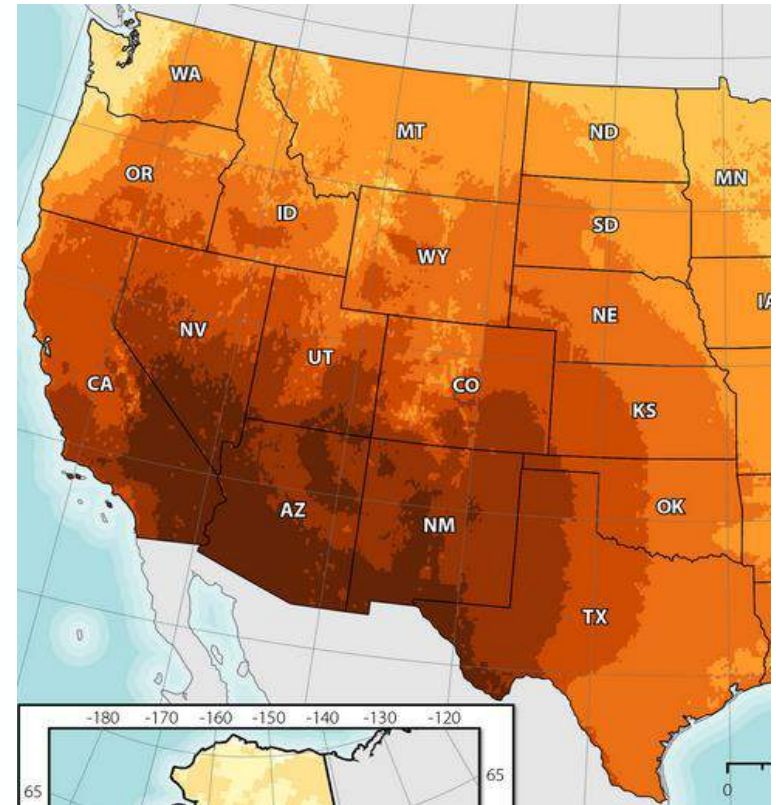
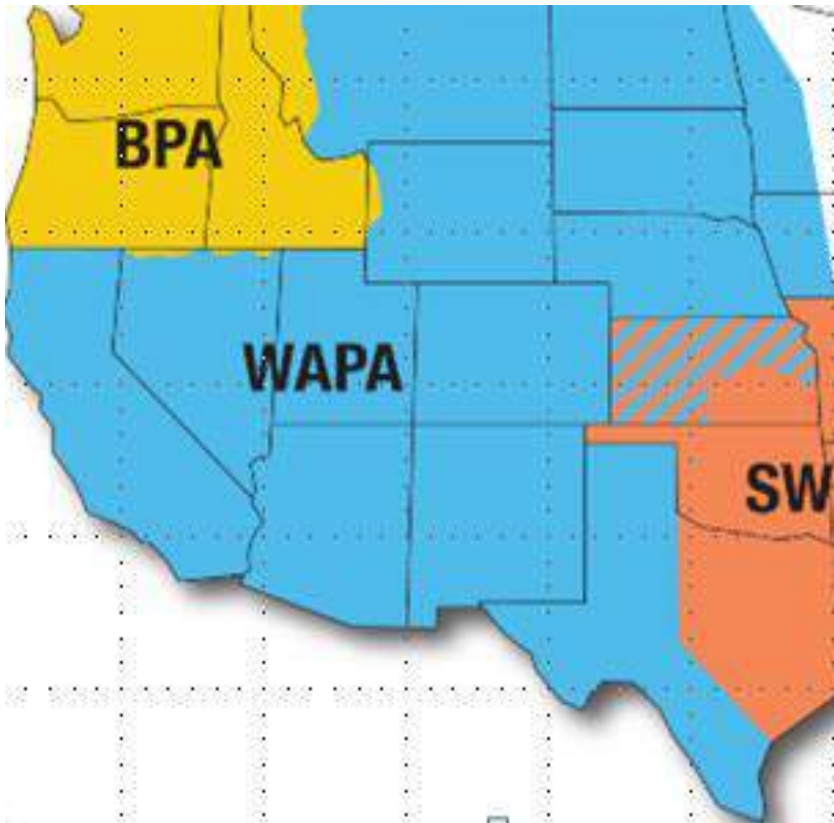
# “Source” Electric WH EE Downgrade



# California – Important Remarks From California Thought Leaders

- CPUC President Michael Picker 3/9/17  
<http://www.ustream.tv/recorded/100815491>
  - At 02:30 - the challenge now is GHG emissions – making **the system** the most important piece
  - At 22:20 he talked about the possibility of fuel switching NG WH to Electric WH ~ it may “confound (current) strategies” to deal with GHG impacts

# Lots of Solar Energy Opportunities



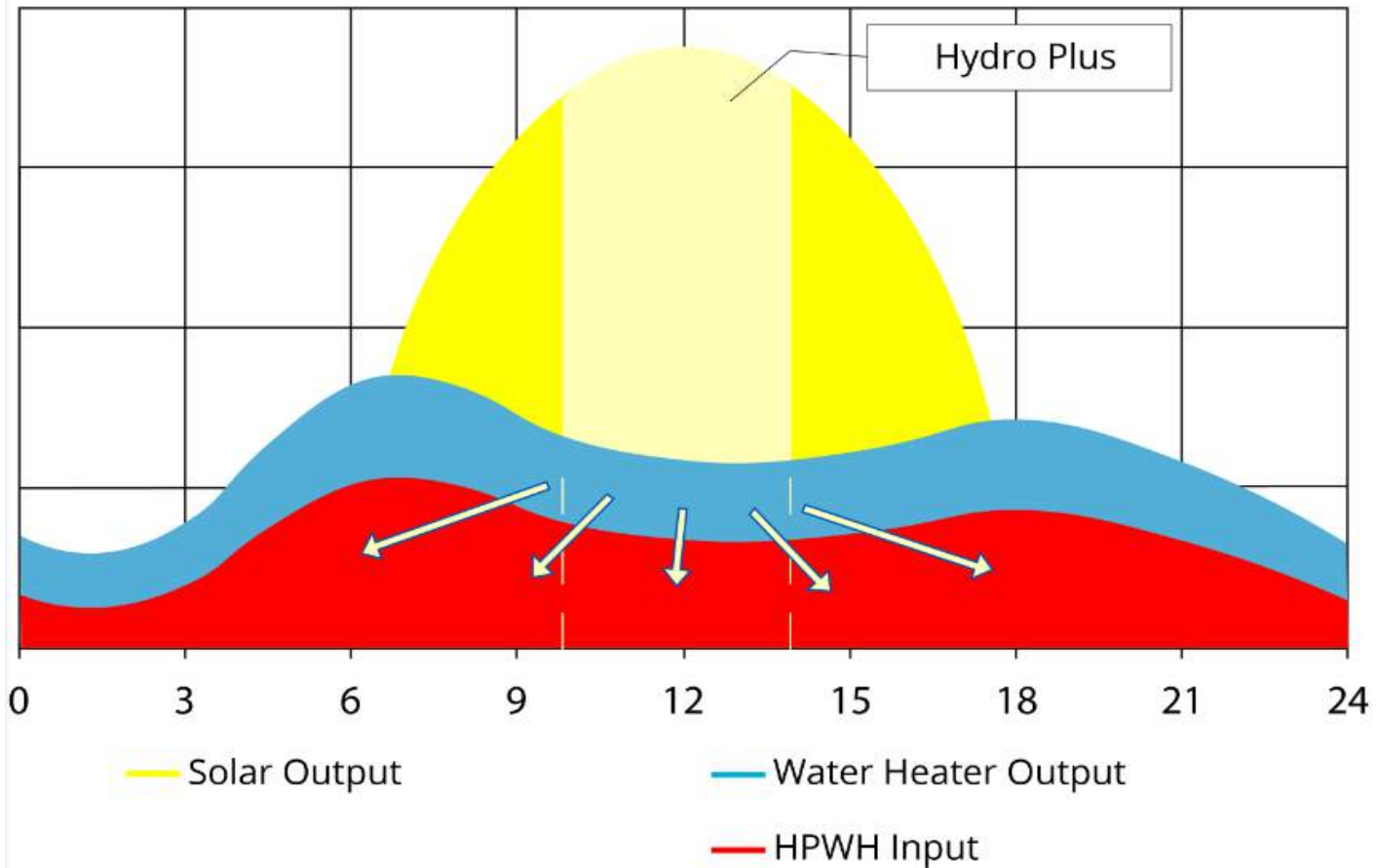
# 1<sup>st</sup> Place that Energy Should Go

## Cost-Effective Solar Storage

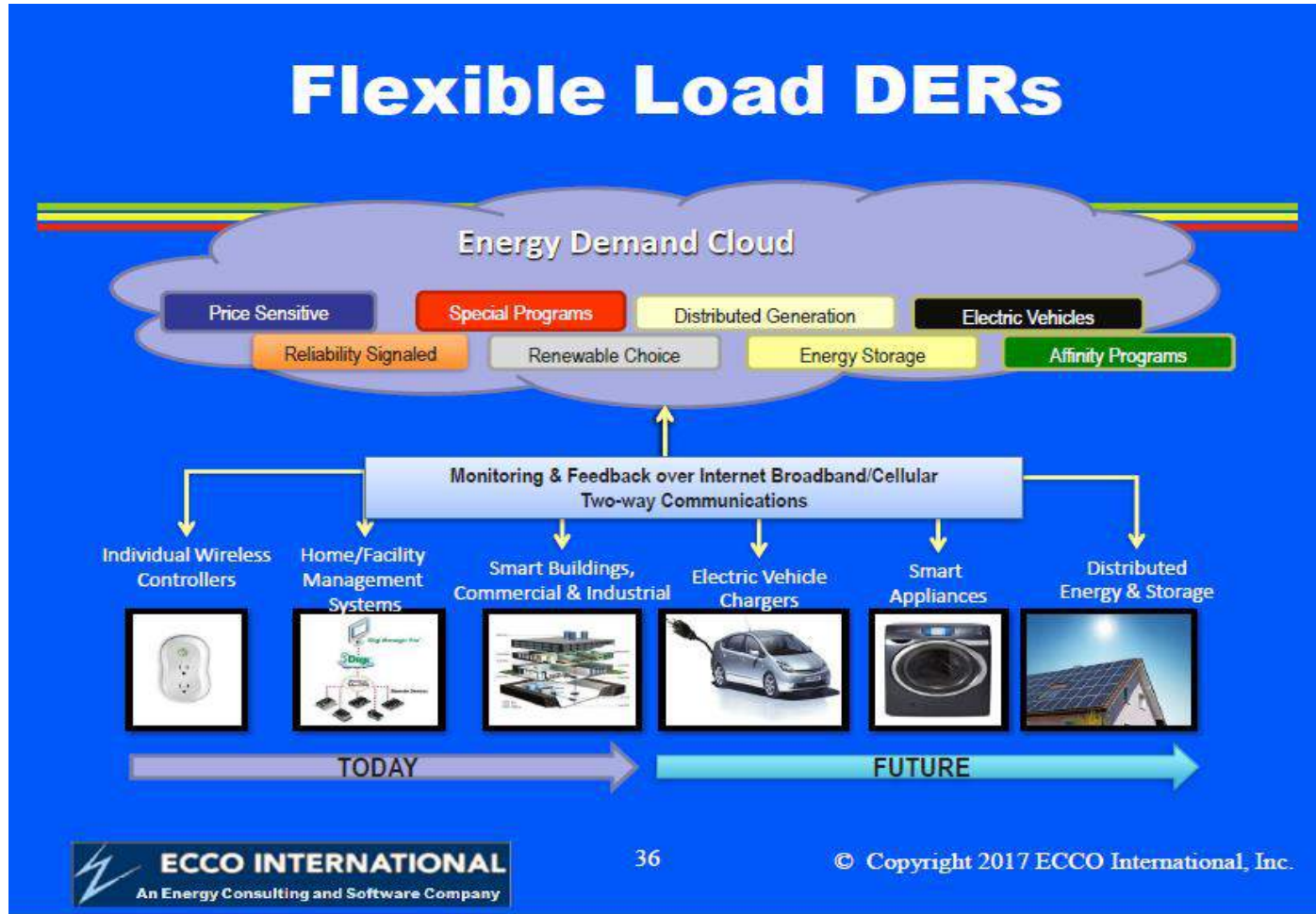


# Combining the Curves

## Hourly Average Breakdown



# Aggregated Trading Market Vision





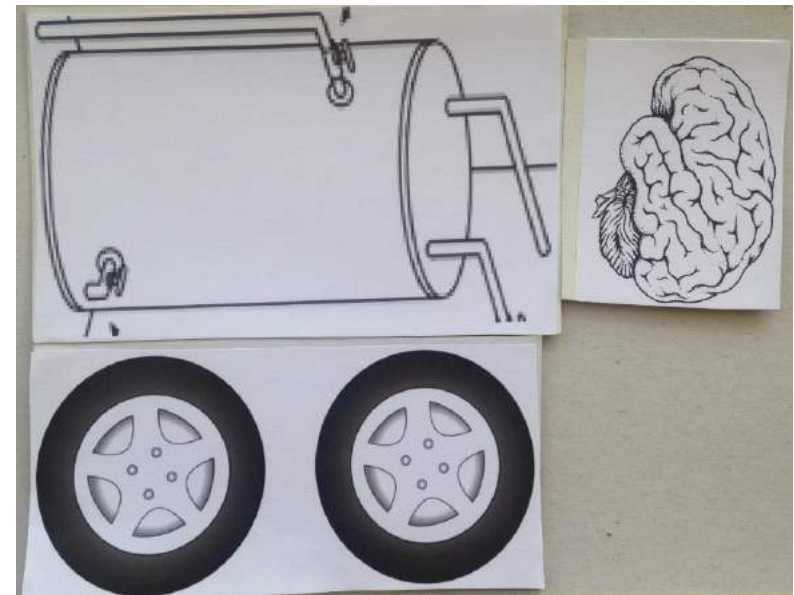
# Ride the Solution

## EV and GETS = Identical Storage

EV's --  
BMW, Leaf, Tesla



“GETS-Mobile”



# Community Solar Value Big + Bright!



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## Steffes

*“Commitment to Innovation”*

