



# 1 Energy RCA

*Austin Energy Utility Oversight Committee  
September 24, 2015*

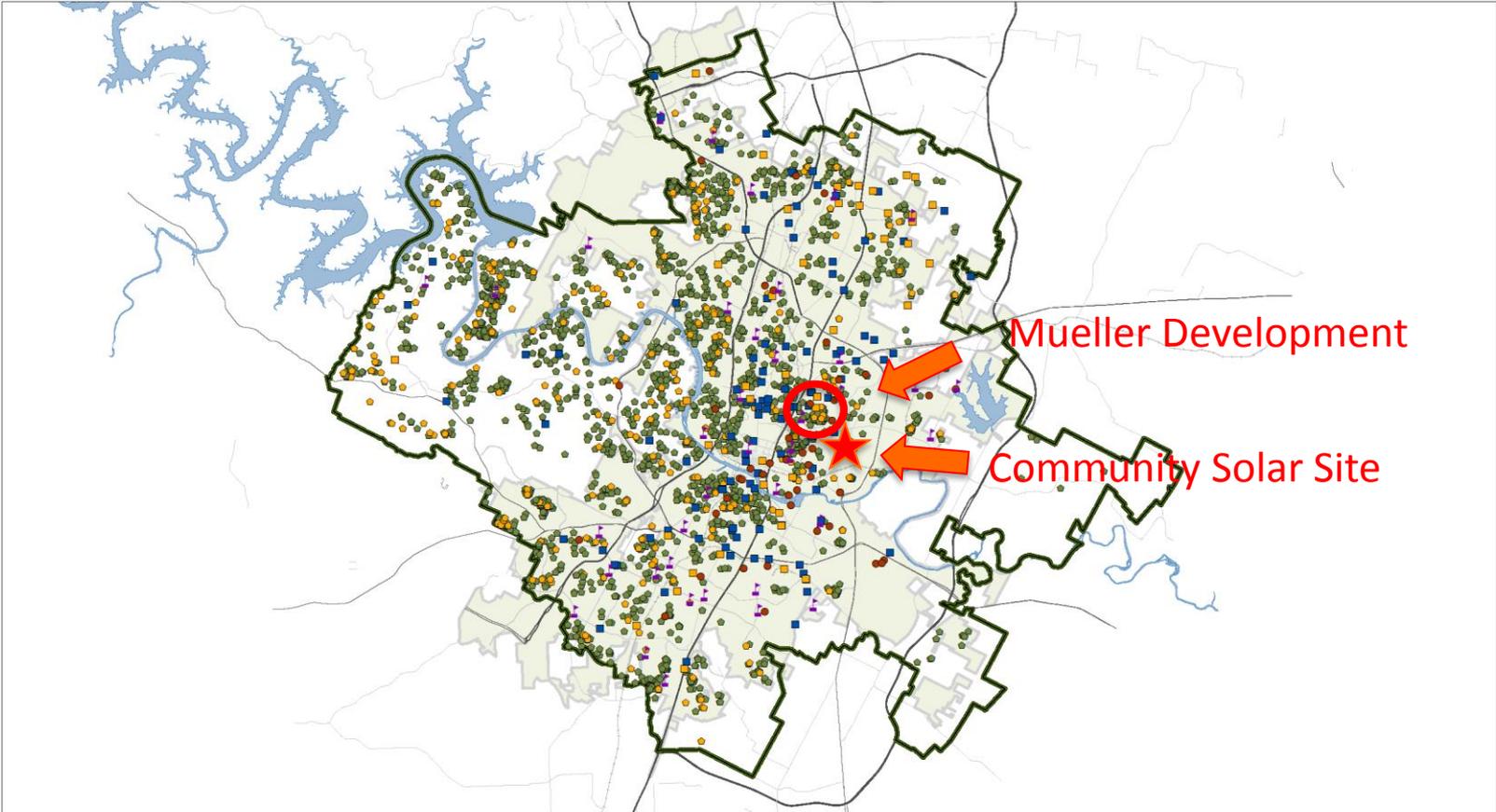
# Austin Energy's Goals - 2025



Plan Attribute	2025 Goal
Renewable (as % of total annual demand)	55%
Energy Efficiency	900 MW
Solar Power – Utility-Scale	750 MW
Solar Power – Local (contingent upon affordability)	200 MW
Local Storage	10 MW
Competitive	Lower 50 <sup>th</sup> percentile in ERCOT
Affordability	2% limit in annual increases

# Distributed Solar In AE Territory

(As of February 2014)



**Approx. 20 MW of PV in pipeline**



- School, Application Complete
- Commercial, Application Complete
- Residential, Application Complete
- Municipal, Application Complete
- Commercial, Work Completion Pending
- Residential, Work Completion Pending



Austin Energy

February 2014

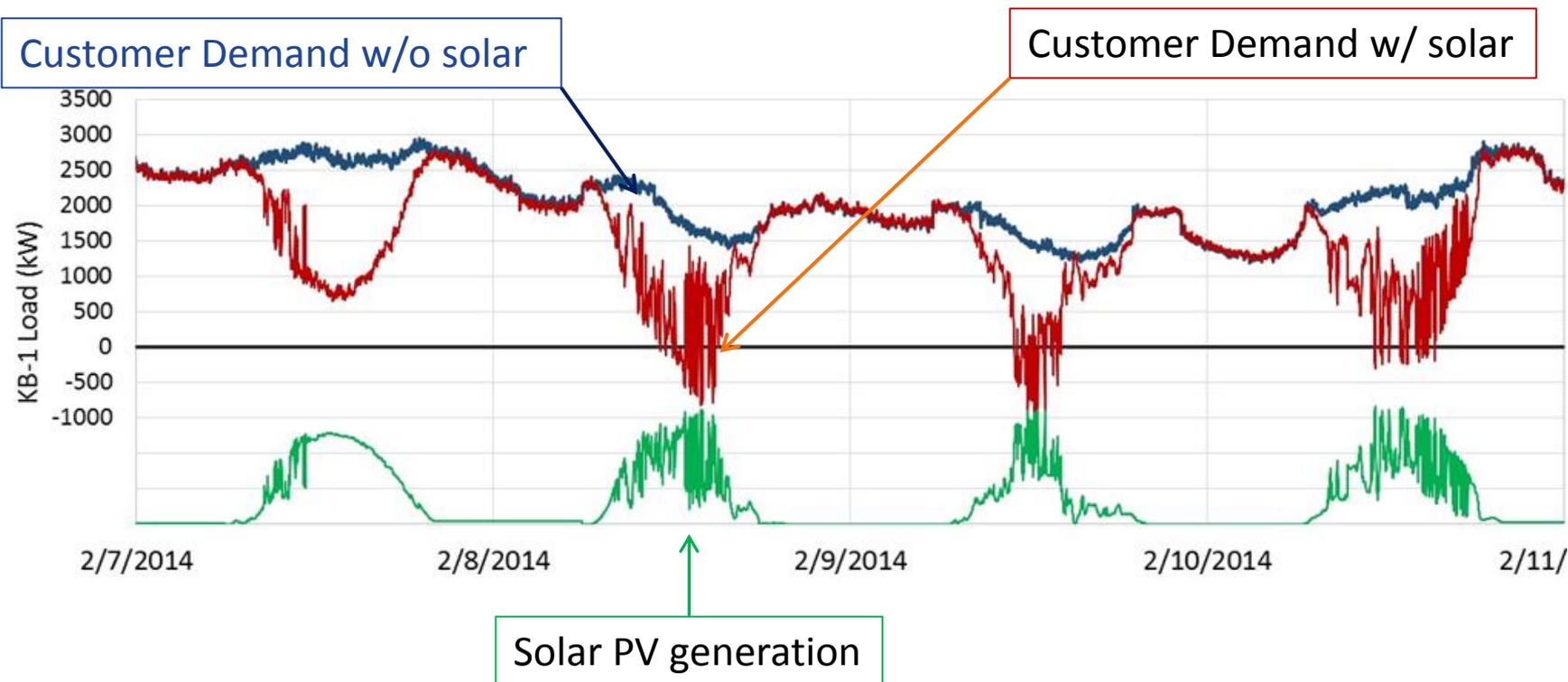
**Solar Locations**

Map by: Tim Harvey

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# Solar PV Variability Challenges

- Intermittency
  - Example below models the impact of a 2.3MW solar PV array on a 12 kV distribution feeder.

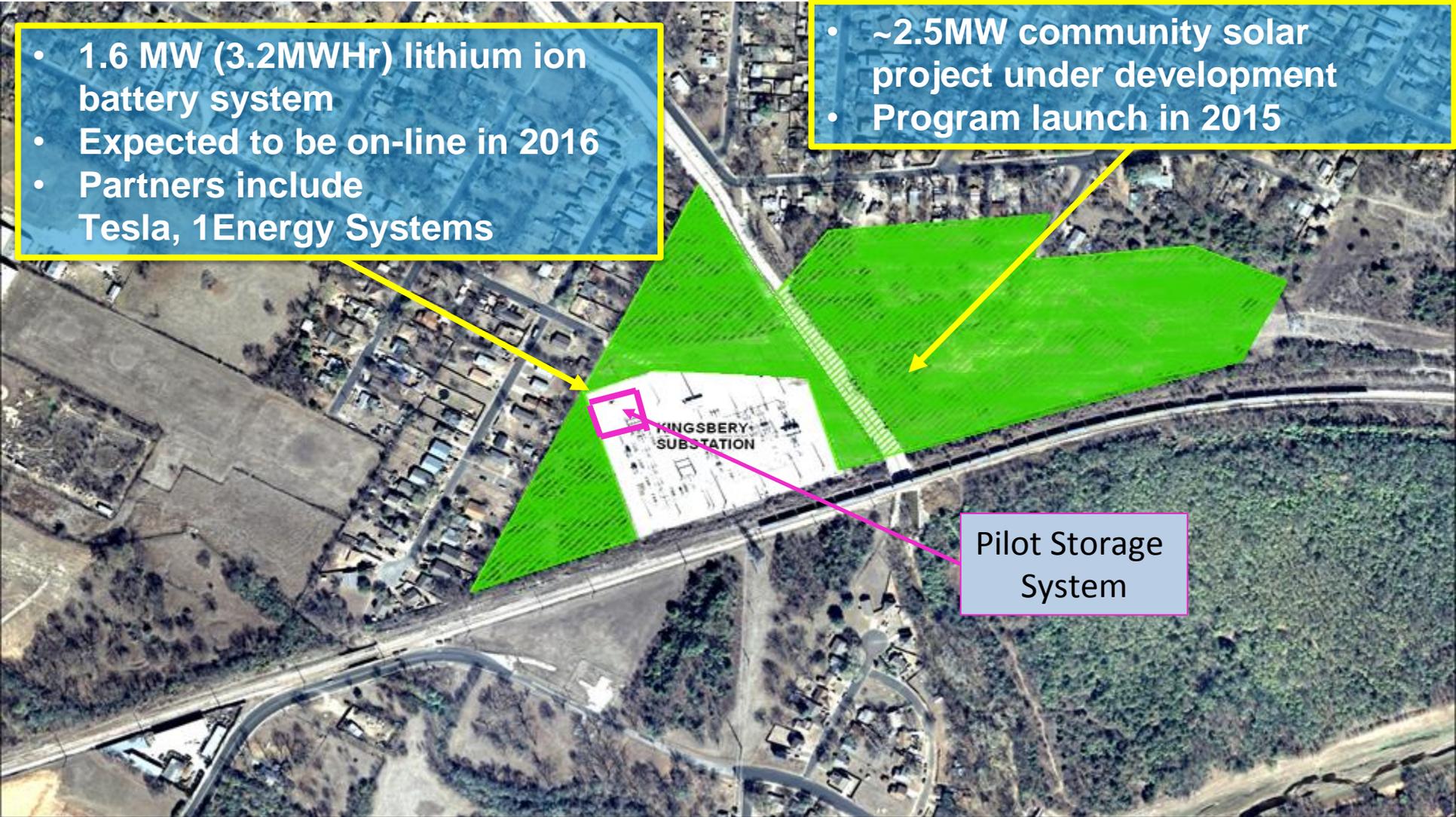


# Kingsbery Site Overview



- 1.6 MW (3.2MWhr) lithium ion battery system
- Expected to be on-line in 2016
- Partners include Tesla, 1Energy Systems

- ~2.5MW community solar project under development
- Program launch in 2015



Pilot Storage System



# Questions