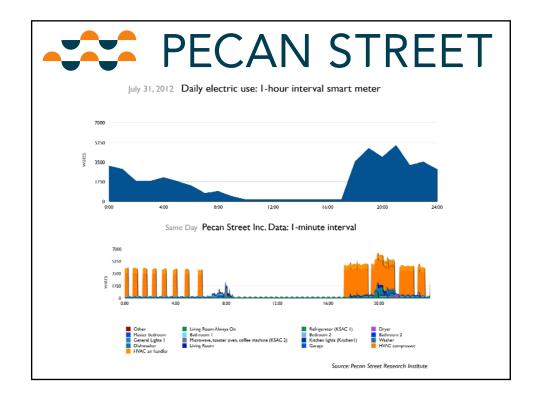


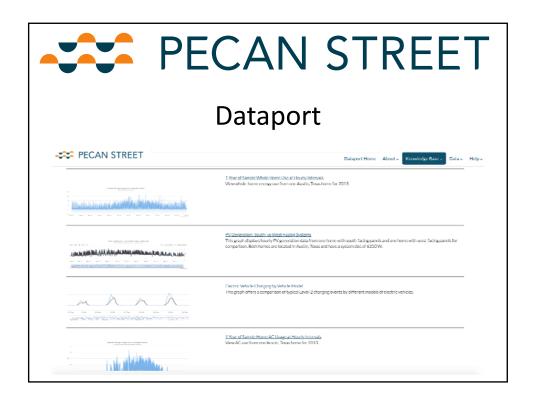


- Pecan Street Inc. Non-Profit
  - Public Interest Research in Water and Energy
  - Texas Municipal Water Consortium
  - OpenARMS Alliance (Energy)
  - Dataport energy and water data portal
- Pecan Street Labs For-Profit
  - Product development
  - Product field trials
  - Corporate and Start-up



- Facts
  - Worlds largest high-resolution residential energy use database
    - 2,000+ devices being monitored
    - Energy monitors, electric/water/gas smart meters, smart thermostats, residential gateways
  - 1,100+ residential participants in TX, CA, & CO
  - 300 in core test-bed at Mueller neighborhood, Austin,TX
    - 210 with rooftop PV averaging 5.5kW
    - 73 with Plug-in EV
    - 3 transformers monitored
  - Over 20,000 IoT sensors deployed, measuring high-resolution energy and water consumption







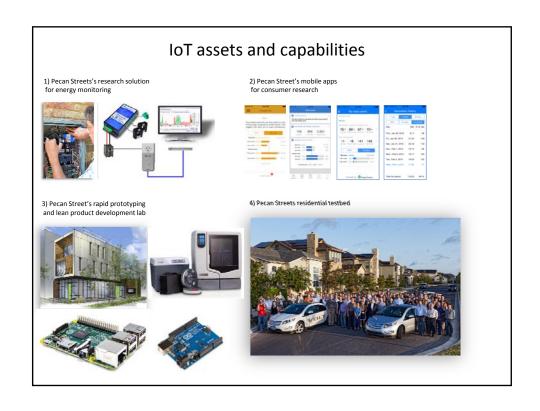
## **Research Reports**

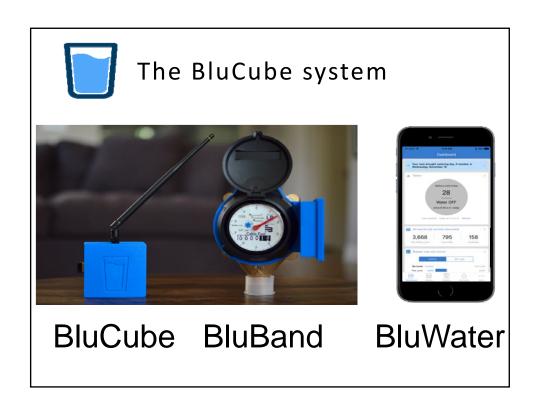
- Value of South vs. West facing PV arrays
- Electric utility behavior and demand management programs
- Rooftop solar panel generation compared to home electric use
- Net impacts of rooftop solar panel generation on home grid demand
- Portion of home electricity use devoted to heating and cooling
- Residential Water Use Index First Edition

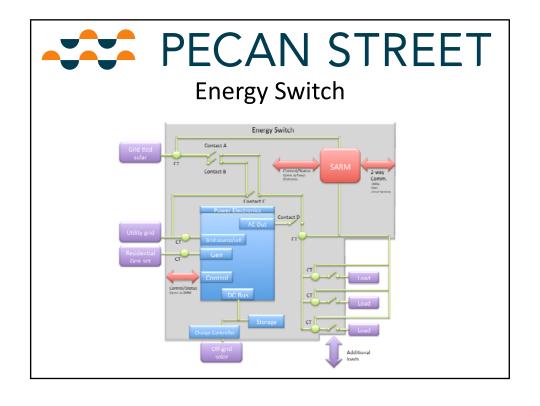














- Connectivity issues related to IoT
  - Highly distributed infrastructure
  - Resilience is paramount
    - Autonomous systems
    - Redundant backhauls
    - QoS variability
    - Cloud back-up
    - Cloud optimization