Energy Week

Scott Hinson,
Pecan Street Inc.
• Facts
  – Worlds largest research energy use database (Adding Water)
    • 2,000+ devices being monitored
    • Energy monitors, electric/water/gas smart meters, smart thermostats, residential gateways
  – 1,300+ residential participants in TX, CA, & CO
  – 300 in Mueller neighborhood
    • 210 with rooftop PV averaging 5.5kW
    • 73 with Plug-in EV
    • 3 transformers monitored
  – High-resolution water monitoring across Texas
  – >130 Million data points daily....
July 31, 2012  Daily electric use: 1-hour interval smart meter

Same Day  Pecan Street Inc. Data: 1-minute interval

Source: Pecan Street Research Institute
Power Quality Measurements of a Single Home

- Current THD
- Power Factor
- kVA
Thank You

Scott Hinson
Director of Engineering
Pecan Street Inc.
shinson@pecanstreet.org