



Home
Performance
Coalition

Smart Homes

ACEEE Intelligent Efficiency Conference

Boston, MA

December 7, 2015

Kara Saul Rinaldi

Vice President of Government Affairs and Policy

Home Performance Coalition

THE HOME PERFORMANCE COALITION

- **National, non-profit, 501c3 organization**
- **Supports whole-house upgrade programs through research and convening projects**
- **Addresses challenges and barriers through research and policy projects**
 - **Standards — Data Transfer and Comparability**
 - **Real Estate: Making the value of energy efficient homes visible**
 - **HEMs – Smart grid and home performance intersections**
 - **Cost-effectiveness testing and the Resource Value Framework**
 - **Weatherization and Home Performance**
 - **Residential Energy Efficiency and the Clean Power Plan**

SMART GRID AND HOME PERFORMANCE

*Making Sense of the Smart Home
Applications of Smart Grid and Smart Home Technologies for the Home
Performance Industry
2013*

<http://www.homeperformance.org/policy-research/resources/reports>

*A Policymaker's Guide to Scaling Home Energy Upgrades
SEEACTION Residential Working Group
2015*

www.seeaction.energy.gov

RECOMMENDATION - 1

Use home energy monitoring devices to promote implementation of whole-house upgrades and behavior change.

- **“Prius Effect”**



RECOMMENDATION - 2

Encourage partnerships between the energy efficiency industry/retrofit programs and telecommunications and home security firms

- **Lead generation**
- **Customer simplicity/comfort**
- **Data**

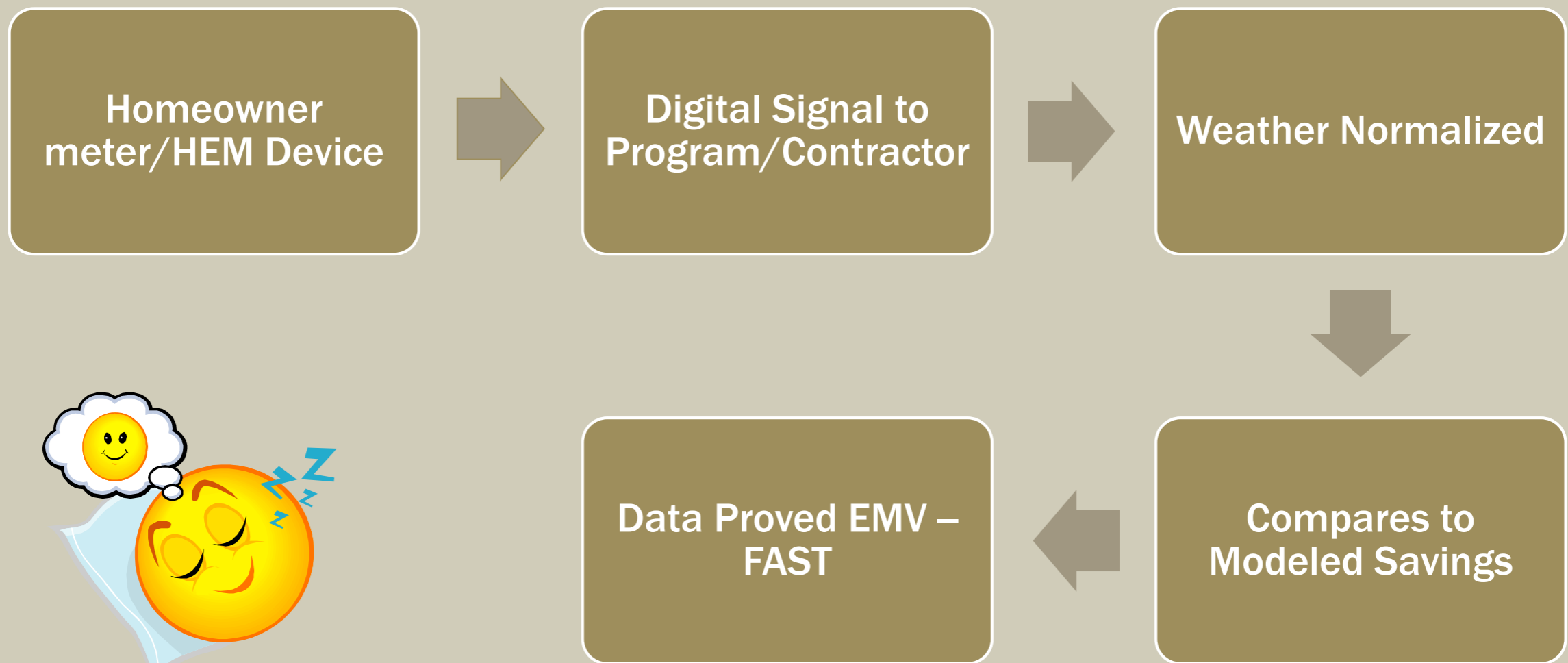
RECOMMENDATION - 3

Promote linkages between demand response and home performance programs (joint marketing and targeting). Use data for “Virtual Audit”.



RECOMMENDATION - 4

Develop EMV protocols for energy efficiency upgrades and “virtual energy monitoring”



RECOMMENDATION - 5

Utilize smart grid data (HEMs and Smart Meter) for resources through capacity and carbon markets.

Clean Air Act 111(d) Compliance

POLICY ENVIRONMENT

- Standard Protocols: EM&V, energy performance metrics.
- Data Access:
 - Develop protocols and needs profile for residential data access
 - Green Button Connect
 - Data Disclosure Policy and Best Practices

Thank you!

Home Performance Coalition

Kara Saul-Rinaldi

Vice President of Government Affairs and Policy

ksaul-rinaldi@homeperformance.org

202.276.1773