



U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



The Future Role of Energy Provider Delivered Energy Efficiency in National Energy Policy

April 19, 2012

AnnaMaria Garcia

Acting Program Manager

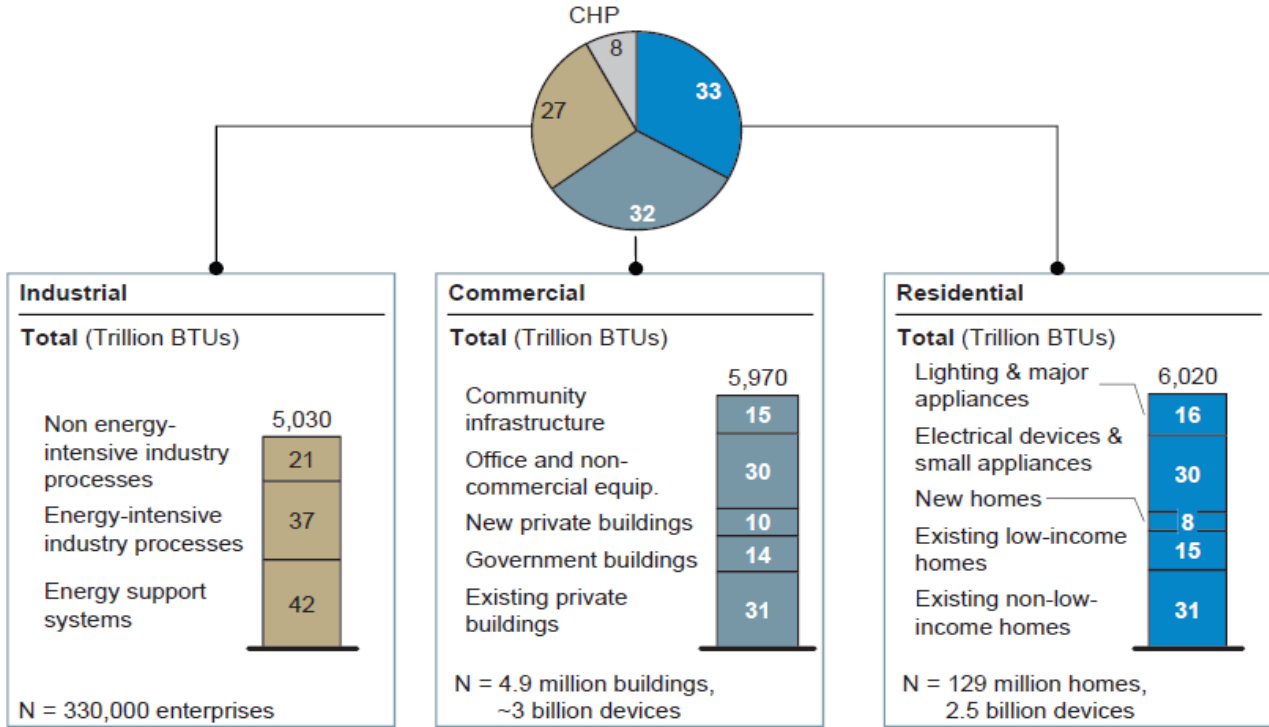
U.S. Department of Energy

Weatherization & Intergovernmental
Program

Cost-effective Opportunities for EE



Percent, 100% = 18,410 trillion BTUs of primary energy



Source: EIA AEO 2008, McKinsey analysis

Blueprint for a Secure Energy Future

Develop and Secure America's Energy Supplies

- Expand Safe and Responsible Domestic Oil and Gas Development and Production
- Lead the World Towards Safer, Cleaner, and More Secure Energy Supplies

Provide Consumers with Choices to Reduce Costs and Save Energy

- Reduce Consumer Costs at the Pump with More Efficient Cars and Trucks
- Cut Energy Bills with More Efficient Homes and Buildings

Innovate Our Way to a Clean Energy Future

- Win the future through Clean Energy Research and Development
- Lead by Example: The Federal Government and Clean Energy
- *Harness America's Clean Energy Potential*

*Clean Energy Standard Act of 2012
introduced last month*



Replicable Business Models

Better Buildings, Better Plants Challenge

Goals:

- 20% savings in commercial and industrial buildings by 2020
- Replicable, demonstrated models across different organization types / ownership types / building types

Challenge:

- Leadership opportunity
- Challenge partners commit to:
 - Set public energy savings goals
 - Announce innovative strategies
 - Share implementation strategies and results
- Financial allies commit to provide financing
- **Utility allies commit to providing data access and achieving 5% savings by 2020**
- Program administrators commit energy use data and multimeasure programs
- DOE supports and recognizes partners



Program launched Dec 2:

- 60+ Partners and Allies to date

Commitments Made:

- 1.6 Billion sq ft commercial space
- \$2 Billion in financing through allies
- 300 manufacturing facilities
- Federal facility goal: \$2 Billion in energy investment

Full list of partners and allies at

<http://www4.eere.energy.gov/challenge/>

Growing Access to EE Financing Critical to Achieving Goals

- Recovery Act funding - \$550 million in 50 revolving loan funds (35 states)
- Next step: build on Recovery Act through private sector partnerships

DOE technical assistance:

- Transitioning RLFs to investment authorities
- Design public private partnerships
- Attract institutional investors
- Standardize financing products and develop secondary markets

Examples

- **On-Bill Finance** (utility bill/utility capital): Utility lends capital, originates and services all loans.
- **On-Bill Invoice:** (private capital, bonding) Utility invoices, provides no capital and may not originate loan
- **Investment Authority/State Agency** (bonding, QECCB, ARRA, state, rate payer capital): Originates and services loans directly or through 3rd Party Bill
- **Power Purchase Agreements:** Allow Federal agencies to fund on-site renewable energy projects with no up-front capital costs incurred. A developer installs an energy system on agency property with agreement that the agency will purchase power generated by system.

Resources for State and Local Decision Makers: State and Local Energy Efficiency Action Network

- **Goal: Achieve all cost-effective energy efficiency by 2020**
- 200+ Leaders: State/local governments, utilities, NGOs, businesses – in eight working groups
- State- and local-led; EPA/DOE facilitated
- Provide model policies, best practices, and recommendations - based on past success
- Detailed Technical Assistance on many programs/policies



www.eere.energy.gov/seeaction

The Future Is Here

You ARE national policy...

States set policy direction to meet our shared goals.

Energy providers execute to deliver the savings benefits.

QUESTIONS?



THANK YOU

AnnaMaria Garcia

AnnaMaria.Garcia@ee.doe.gov