

Utilities and Incentives Panel

16 June 2016



New Opportunities for Natural Refrigerants

Utilities & Incentives Panel

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ATMO America 2016
16 June 2016



About EPRI

Together...Shaping the Future of Electricity

Three Key Aspects

Independent

Objective, scientifically based results address reliability, efficiency, affordability, health, safety and the environment

Nonprofit

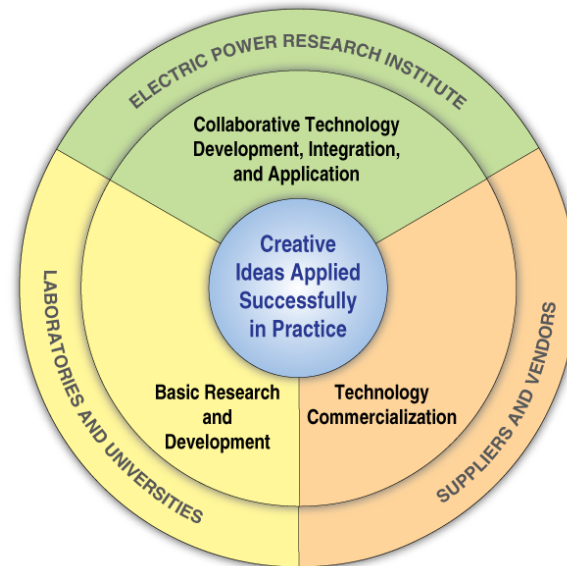
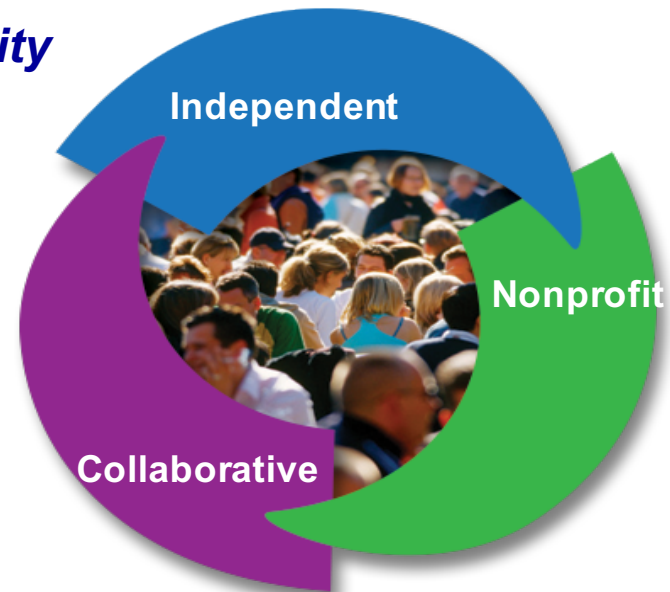
Chartered to serve the public benefit

Collaborative

Bring together scientists, engineers, academic researchers, industry experts

Our Role

Stimulate innovation and help accelerate technology to commercial development



Energy Efficiency & Demand Response at EPRI: *Applying Customer Focus to Emerging End-Use Technologies*

Advance **Energy Efficiency**
Emerging Technologies

Scout Test Demo Deploy Program

Extend **Demand Response**
Applications (“DR 2.0”)



EPRI

Expand Insights into
Customer Behavior
& **Power Quality**

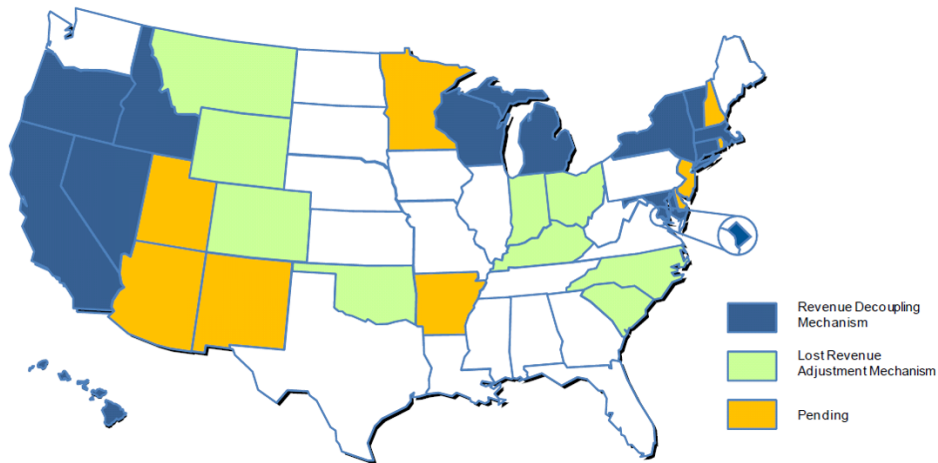


Enhance Productivity
through **Electrification**

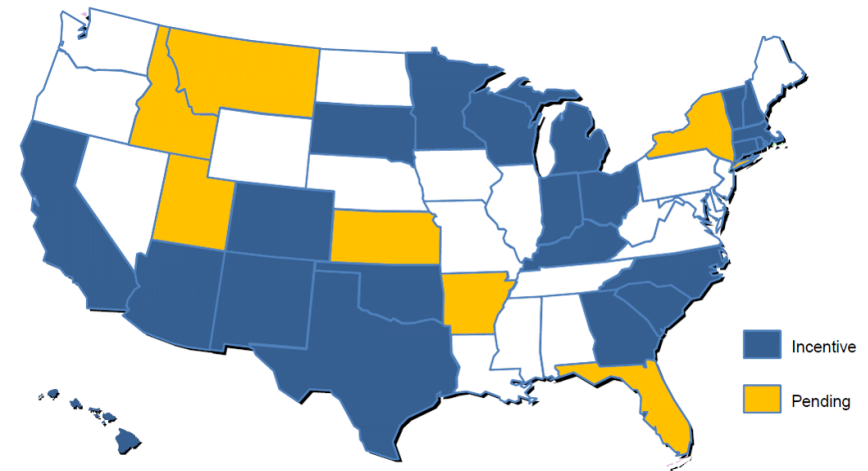


Utility Business Models for Energy Efficiency

Revenue Recovery Mechanisms

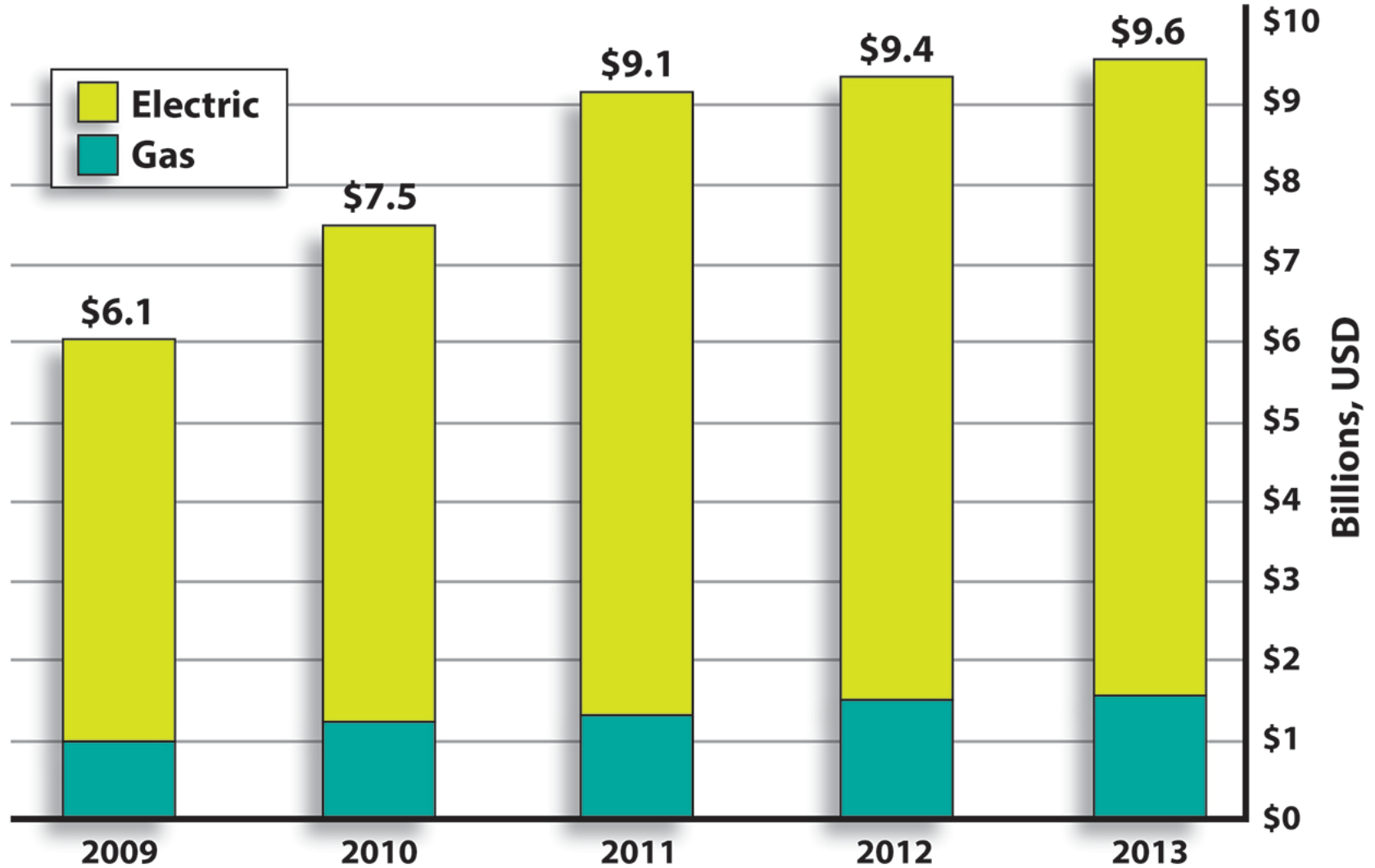


Performance Incentives Mechanisms



Ref: Edison Institute for Electric Efficiency, "State Electric Efficiency Regulatory Frameworks". June 2011

Utilities have Funds to Promote Energy Efficiency



Ref: US and Canadian Utilities' Budget, CEE Annual Industry Report, 2014 (EPRI Adapted)

Natural Refrigerants: Why Should the Utilities Care?

- Energy Efficiency is Important
 1. HVAC&R is an important segment
 - Utilities have key EE programs in this sector
 2. Environmental Impact
 - Utilities have a vested interest in preserving the health of the atmosphere
 3. Emerging Technology
 - Changes (including regulatory) will push natural refrigerants into a bigger role
 4. Can new technologies provide efficient and sustainable loads?



Discussions with Panelists

- Panelists will focus on:
 - Regulatory Environment in California
 - Utility Energy Efficiency Programs
 - Incentive programs related to HVAC&R
 - Energy Efficiency and Natural Refrigerants



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