

# Super Efficient Dryer Initiative

ENERGY STAR Partners Meeting

November 10, 2011

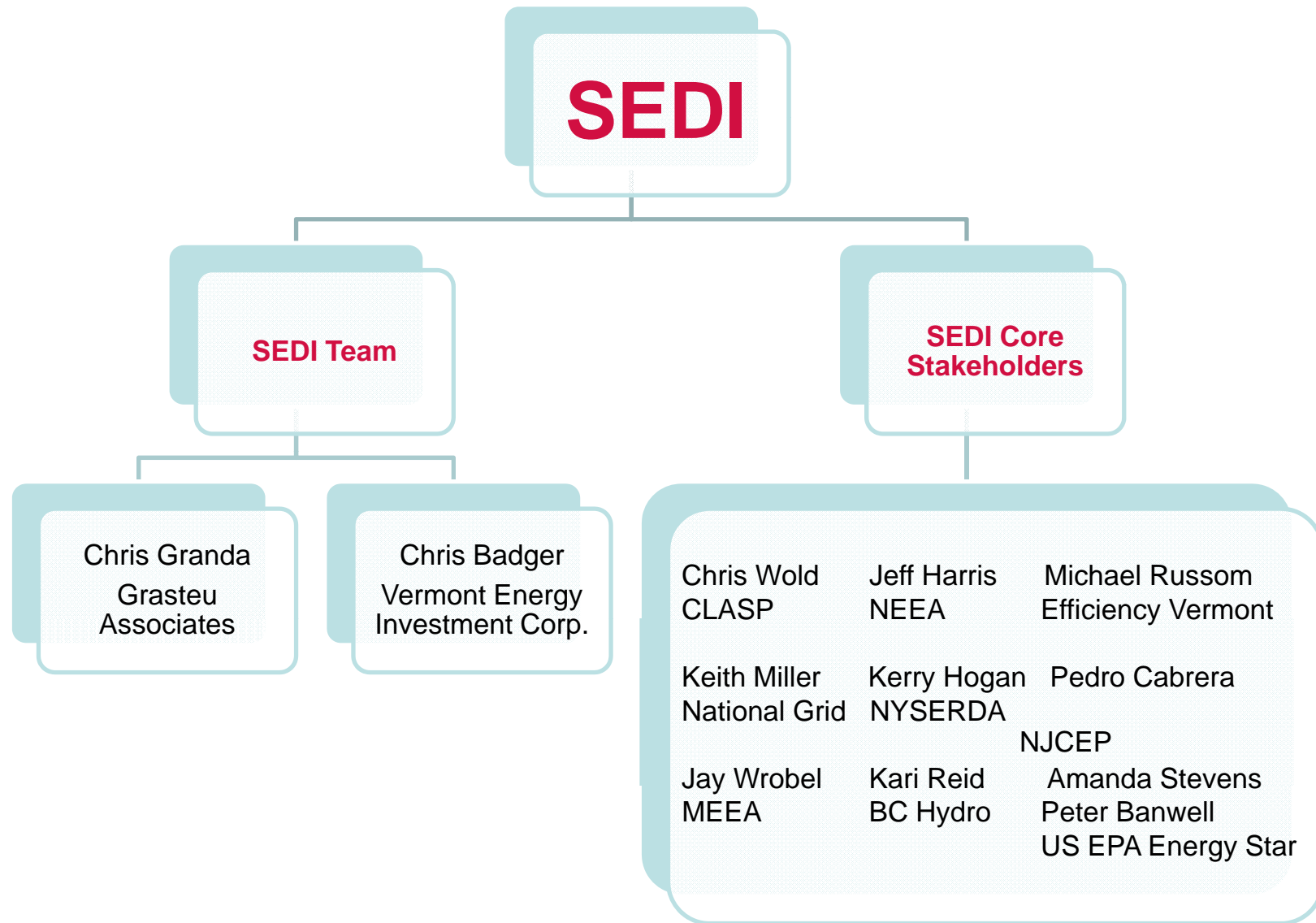
Charlotte, NC



## Agenda:

- Introduction and Background
- Status Reports
  - Standards and Labeling Programs
  - Clothes Dryer Industry
  - Energy Efficiency Program Providers
  - Clothes Dryer Research
- Proposed SEDI Road Map





# 2011 SEDI Milestones

<b>JULY</b>	<b>SEDI Partnership with CLASP</b>
<b>SEP</b>	<b>CLASP Industry Stakeholder Meeting</b>
<b>OCT</b>	<b>SEDI Core Stakeholder Meeting</b>
<b>NOV</b>	<b>ENERGY STAR Partner Meeting</b>



# STATUS REPORTS



# Standards & Labeling

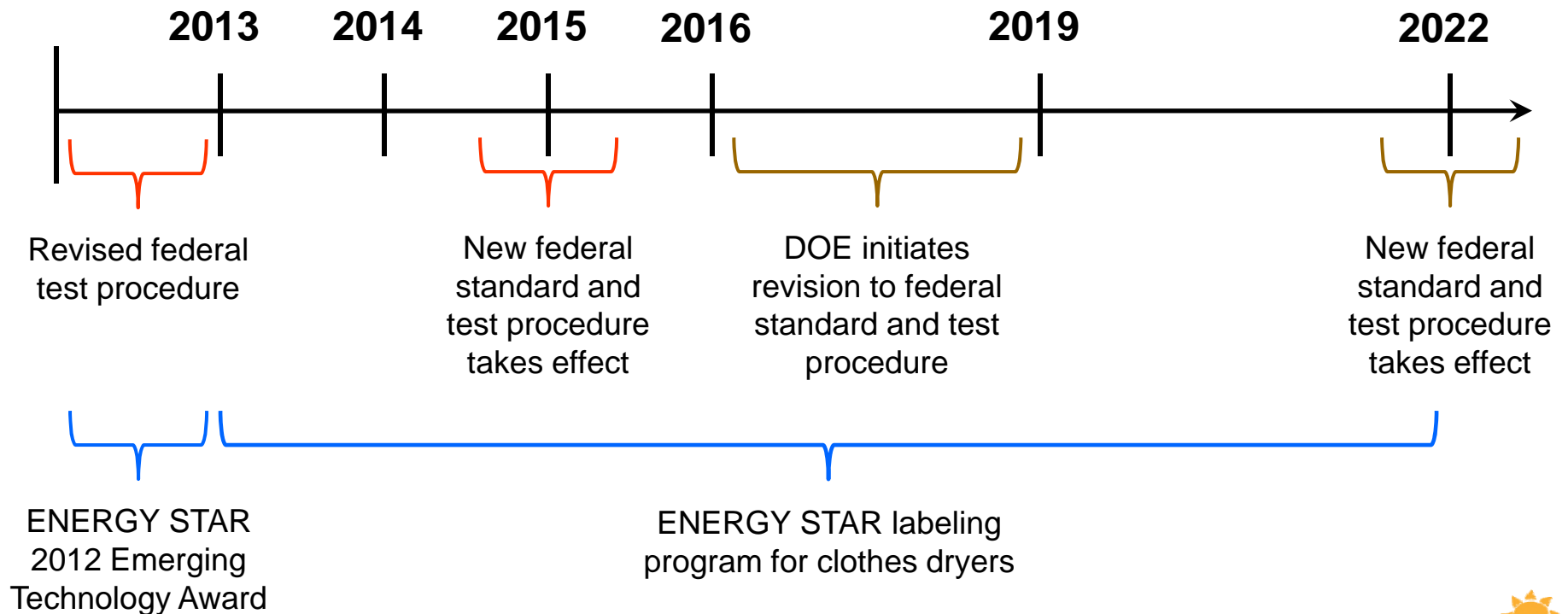
## Recent Activity:

- DOE finalizes a new federal clothes dryer standard and test procedure
- DOE publishes a request for information on a proposed amendment to the federal test procedure
- ENERGY STAR announces Heat Pump Clothes Dryers for the 2012 Emerging Technology Award
- ENERGY STAR engages in scoping activity for a clothes dryer label
- Canadian Standards Association initiates test procedure development activity



# Standards and Labeling

## Timeline of Future Activity:



# Industry

## 2011 Interviews with Manufacturers:

- SEDI has held private meetings with:
  - Arcelik
  - Bosch Siemens
  - LG
  - Miele
  - Samsung
  - Whirlpool
- Pursuing meetings with others over the next month





# Program Providers

## SEDI Stakeholder 2012 Program Support:



# Program Providers

## Continued Support from the New Jersey Clean Energy Program:

- 2012 Residential EE Program Filing (*Pending*)

“Continue its leadership role in SEDI by supporting these manufacturers and providing upstream incentives for field testing heat pump clothes dryers in New Jersey.”
- Potential Impact of Super Efficient Clothes Dryers on Fiscal and Energy Savings in New Jersey:
  - 1.1M NJ households use electric dryers
  - Annual electric load of 705 GWh
  - Annual replacement of 86,000 electric dryers
  - Potential annual savings of 17,000 MWh
  - Annual savings of \$2.8M for NJ ratepayers



# Technical Research

## New Technical Research:

- NEEA field study
- Ecova clothes dryer testing
  - Test full compliance with 3 DOE test versions
  - European heat pump clothes dryers
  - Conventional North American clothes dryers
  - Prototype ETA winner (possible)



# Technical Research

## Additional Research Needs:

1. Expand samples sizes for both European heat pump and North American conventional dryers
2. Expand clothes dryer testing
3. Expand NEEA field research
4. Research the HVAC impact of clothes dryers

Other EEPS research needs?



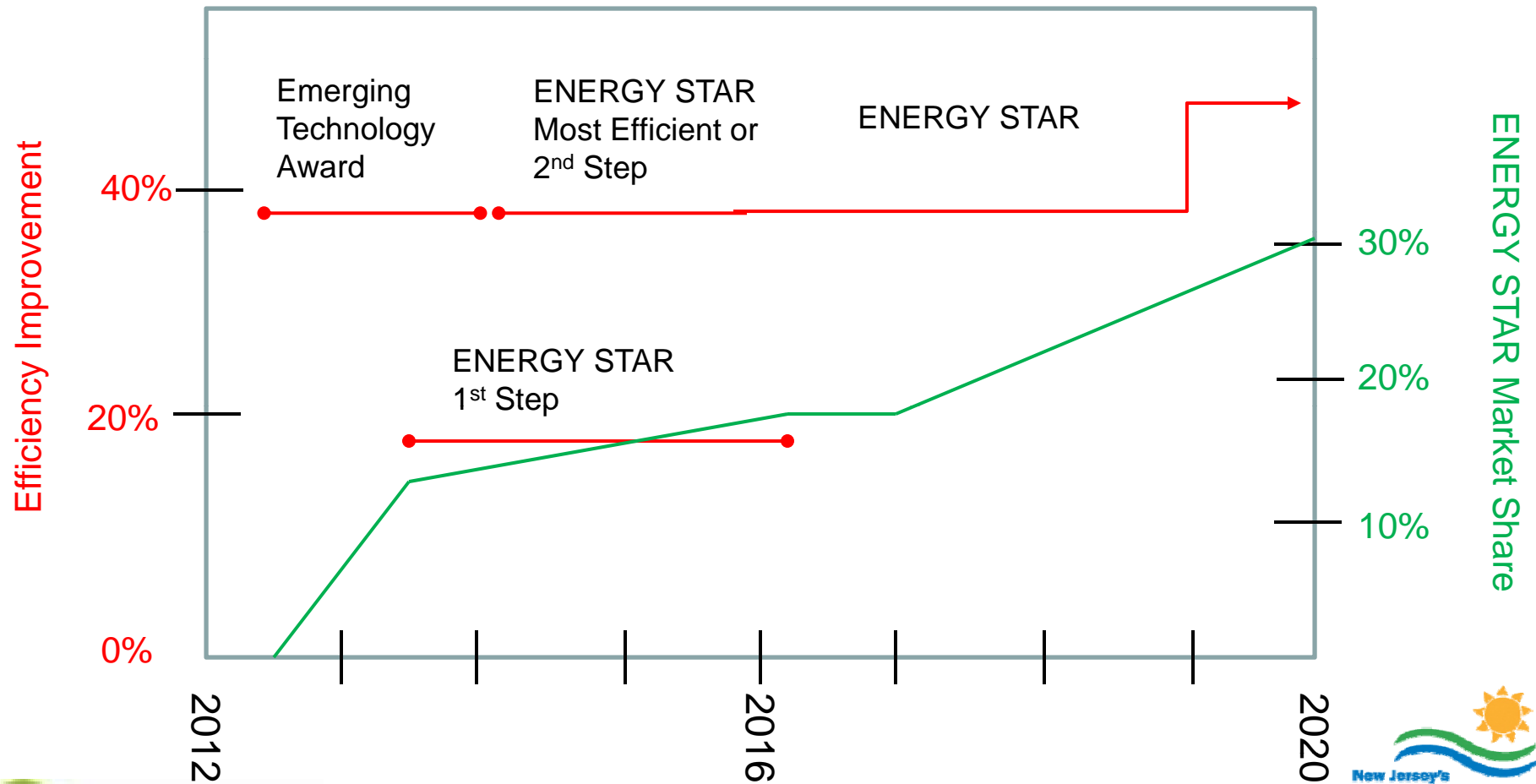
# Proposed SEDI Road Map

- Goals

- Define path from no label and no efficient products to ENERGY STAR label on super efficient products
- Significant market share for ENERGY STAR labeled clothes dryers



# Projected Changes ENERGY STAR for Clothes Dryer Requirements and Market Share



# SEDI 2012-2013 Road Map

## SEDI Objectives:

- One or more dryers qualify for the ENERGY STAR Emerging Technology Award, available in major markets
- EE programs offer significant incentives for Emerging Technology Award models
- High profile marketing support
- Develop ENERGY STAR labeling program
- DOE test procedure improved
- CSA adopt harmonized specs and standards



# SEDI 2012-2013 Road Map

## SEDI Activities:

### SEDI Core Stakeholders:

- Budget substantial incentives for ETA winners
- Provide marketing support
- Budget contributions to SEDI activities
- Budget funds for additional research

### SEDI Team:

- Coordinate marketing for Emerging Technology Award winners
- Participate in US and Canadian specifications/standards processes
- Recruit additional core stakeholders
- Support EE provider cost/benefit analysis
- Report on research





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