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Agenda

- About WECC
- Ratepayer Funded Energy Efficiency Programs
- Energy Efficiency Program Technical Resources
- Emerging Technology Programs
- Plug Load Measures In Energy Efficiency Programs



About WECC

- Proving the value of energy efficiency and renewable energy since 1980
- National leader in administering, implementing, and designing energy programs
- Anticipate and understand trends that affect the marketplace



How WECC is Helping Save Energy

CALIFORNIA

Bay Area Regional Energy Network

Innovative financing

CONNECTICUT

Clean Energy Finance and Investment Authority

Innovative financing

COLORADO

Xcel Energy

- Retail
- Residential Prescriptive
- Recycling

ILLINOIS

Nicor Gas, MidAmerican Energy Company

- Planning
- Retail

INDIANA

Citizens Energy Group, Indianapolis Power & Light Company, Indianapolis Neighborhood Housing Partnership

- Residential Retrofit
- Residential Prescriptive
- Residential New Construction
- Commercial and Industrial Prescriptive
- Commercial and Industrial Custom
- Multifamily
- Residential Kits
- Residential HVAC
- Online Assessment

IOWA

Iowa Association of Municipal Utilities, Corn Beit Energy Coop, MidAmerican Energy Company, Alliant Energy, Central Iowa Power Cooperative, Cedar Falls Utilities, Other Muni and Coops

- Retail
- Residential New Construction Quality Assurance and Control

KENTUCKY

Duke Energy

Residential Audit and Direct Install

MICHIGAN

Michigan Electric Cooperative Association, Lansing Board of Water and Light

 Comprehensive Residential, Commercial, and Industrial Portfolio Management

MINNESOTA

Xcel Energy, Minnesota Power, Alliant Energy, Southern Minnesota Municipal Power Agency, Otter Tall Power Company, Other Muni and Coops Retail

- Residential Prescriptive
- Residential HVAC
- Residential Home Energy Analysis
- Recycling

NEW JERSEY

Financing Solutions for New Jersey's Clean Energy Program

Residential Efficiency Financing

NEW MEXICO

Xcel Energy

- Retail
- Residential Prescriptive
- Recycling

NEW YORK

Financing Solutions for New York State Energy Research and Development Authority

Residential Efficiency Financing

NORTH CAROLINA

Duke Energy

Residential Audit and Direct Install

OHIO

Duke Energy, Vectren

- Residential Prescriptive
- Residential Audit and Direct Install
- Commercial and Industrial Custom
- Commercial and Industrial Prescriptive

SOUTH CAROLINA

Duke Energy

Residential Audit and Direct Install

SOUTH DAKOTA

Xcel Energy

■ Retail

WISCONSIN

Focus on Energy, U.S. Department of Energy, Wisconsin Department of Administration

- Residential New Construction
- Residential Retrofit
- Commercial and Industrial Prescriptive
- Commercial and Industrial Custom
- Community Based
- Low Income
- Innovative Financing
- Contractor Training
- Residential Renewables



In our last fiscal year, WECC helped save: 16million 630million \$85million therms of natural gas kilowatt-hours of electricity

In other words, over the last year, WECC has helped save enough energy to:









Adoption of New Energy-Efficient Technologies

Bad

 Customer resistance to paying incremental costs for energy efficiency

Good

 \$8 Billion available annually to fund energy efficiency

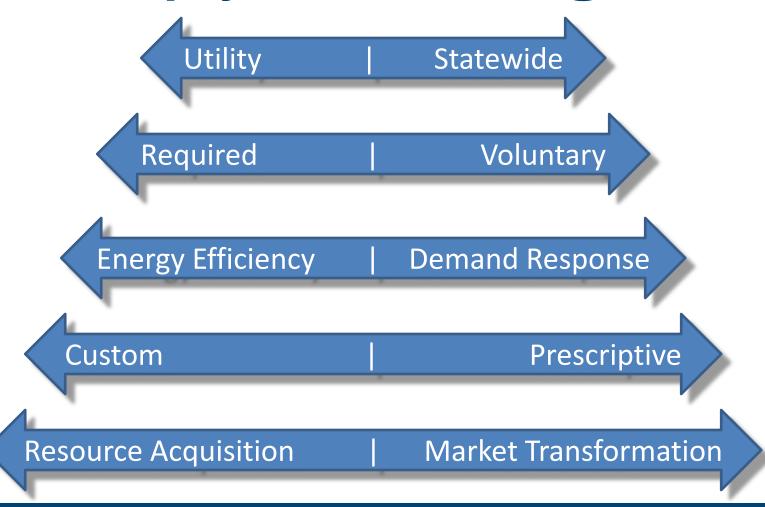
Ugly

 The barriers to getting funding for new technologies





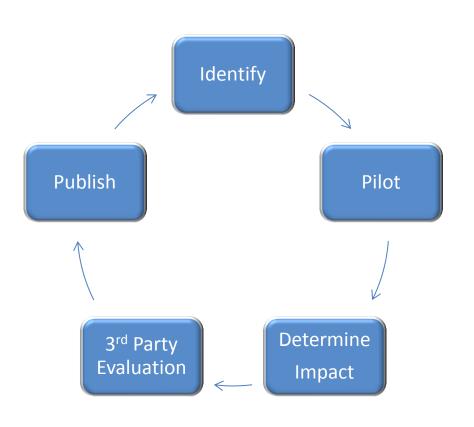
Ratepayer Funded Programs





Ratepayer Funded Programs

Adding New Measures (technologies)



- Identify
 - Program participant or vendor
 - Paper or presentation
- Pilot
 - Limited trial within a program
 - New program pilot
- Impact
 - Energy savings calculation
 - Net savings (- free ridership)
- Evaluation
 - Independent 3rd party
- Publish
 - Program measure list
 - Prescriptive program
 - Technical resource manual
 - Program evaluation report



Ratepayer Funded Programs Technical Resource Examples













- California DEER.....http://www.energy.ca.gov/deer
- NW Regional Technical Forum......http://rtf.nwcouncil.org
- Cal TR.....http://www.caltf.org
- Focus on Energy TRM.....http://www.focusonenergy.com
- Illinois TRM.....http://www.ilsag.info
- USDOE DSIRE.....http://dsireusa.org



Emerging Technology Programs

- Ratepayer funded
 - Ongoing programs
 - Industrial and commercial technologies
 - Mass market technologies
 - Periodic RFPs
 - New technologies
 - Existing technologies with low adoption rates
 - New approaches
- Grant programs
 - Federal and state programs





Plug Load Measures In Energy **Efficiency Programs**

Retail Programs







Energy Efficiency Kits

Direct Install Programs





Questions?

For more information, please contact:

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