

Utility Collaborative Forum:

Minnesota's Conservation Improvement Program

Jessica Burdette
CIP Supervisor

Today's Agenda

- CIP: Overview and Updates
- Special Topic Presentations:
 - Low Income Weatherization
 - Multi-Family Case Study
 - Agricultural Efficiency
- ESP and TRM: Updates and Changes
- Conservation Applied Research and Development (CARD)



Who we are..

- **Minnesota Department of Commerce**
 - **Division of Energy Resources**
 - State Energy Office
 - **Providing energy information for over 35 years...**
 - Energy conservation, efficiency, & renewables
 - Through technology, analysis, grants, programs, & public outreach
 - Data, reports, publications, presentations, website, call center, training, public events

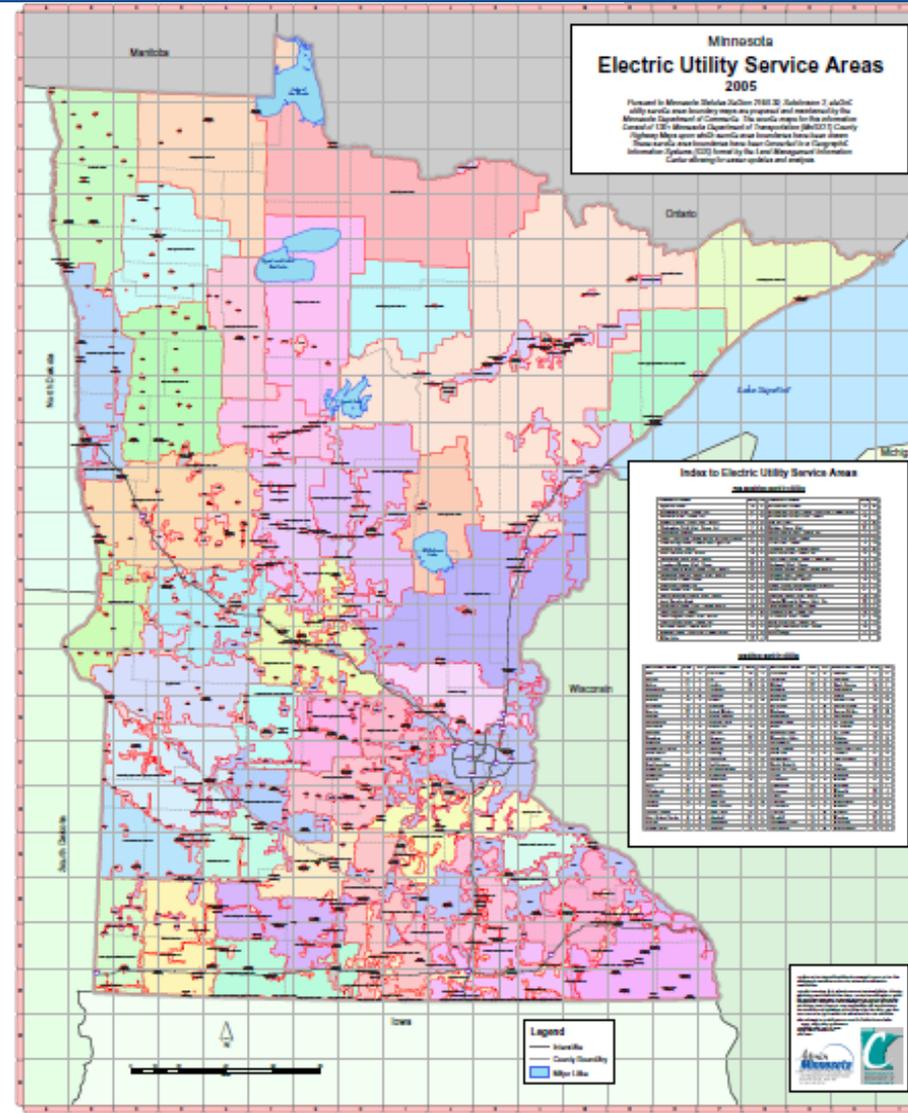
CIP Team



- **Jessica Burdette** - Supervisor
- **Joe Plummer** – Engineering Support and Analysis
- **Laura Silver** – Senior Program Administrator
- **Mary Sue Lobenstein** – CARD Program Administrator
- **Ann Zechbauer** – Grants and Contracts Specialist

Wide array of utilities

- **11 investor owned utilities**
 - 66 % of electricity sales, majority of gas sales
- **44 distribution cooperatives**
 - 20% of electricity sales (6 G &Ts)
- **130 municipal utilities**
 - 14% of electricity sales





Current CIP Responsibilities

- Technical Assistance and Outreach
- Regulatory Filings (CIP Plans, Modifications, Status Reports, etc.)
- Evaluation, Measurement & Verification
- Policy Development
- Conservation Applied R&D

CIP Policy Updates

1.5% Energy Efficiency Solutions Policy Guidance:

- Low Income Guidelines
- Delivered Fuels Guidance
- Behavioral Programs – Gathering Multi-Program Data
- Codes – 90% Compliance Study
- EUI – PUC Docket #DI-12-1342



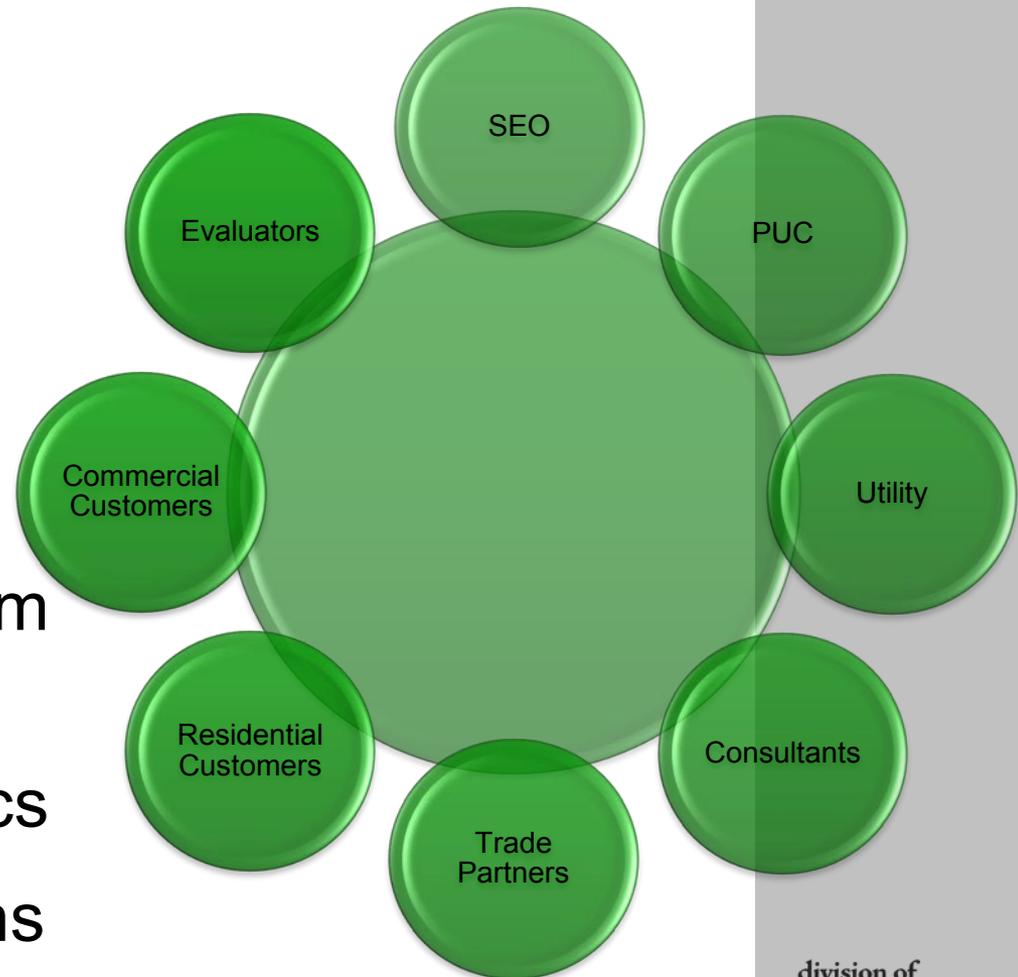
Additional Areas of Focus

Current Areas of Analysis in CIP:

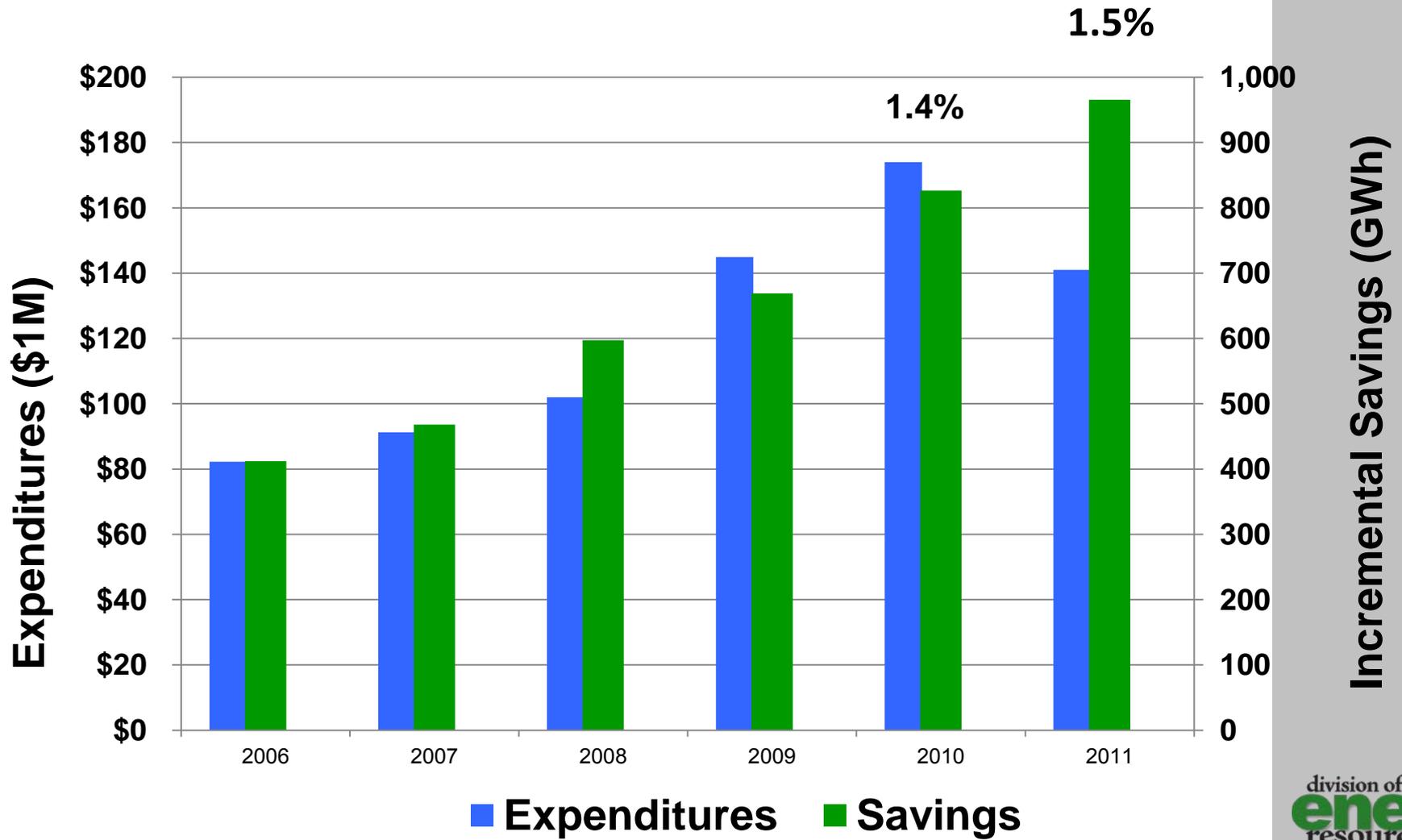
- Ongoing technical assistance and support
- ESP development and maintenance
- Ongoing TRM development and review
- CARD RFP Development
- Access to and use of utility data
- Large customer exemption impact analysis
- Rulemaking – update, refine CIP rules
- Auditor Qualifications – Residential, Commercial and Multi-Family

Program – Reporting and Management

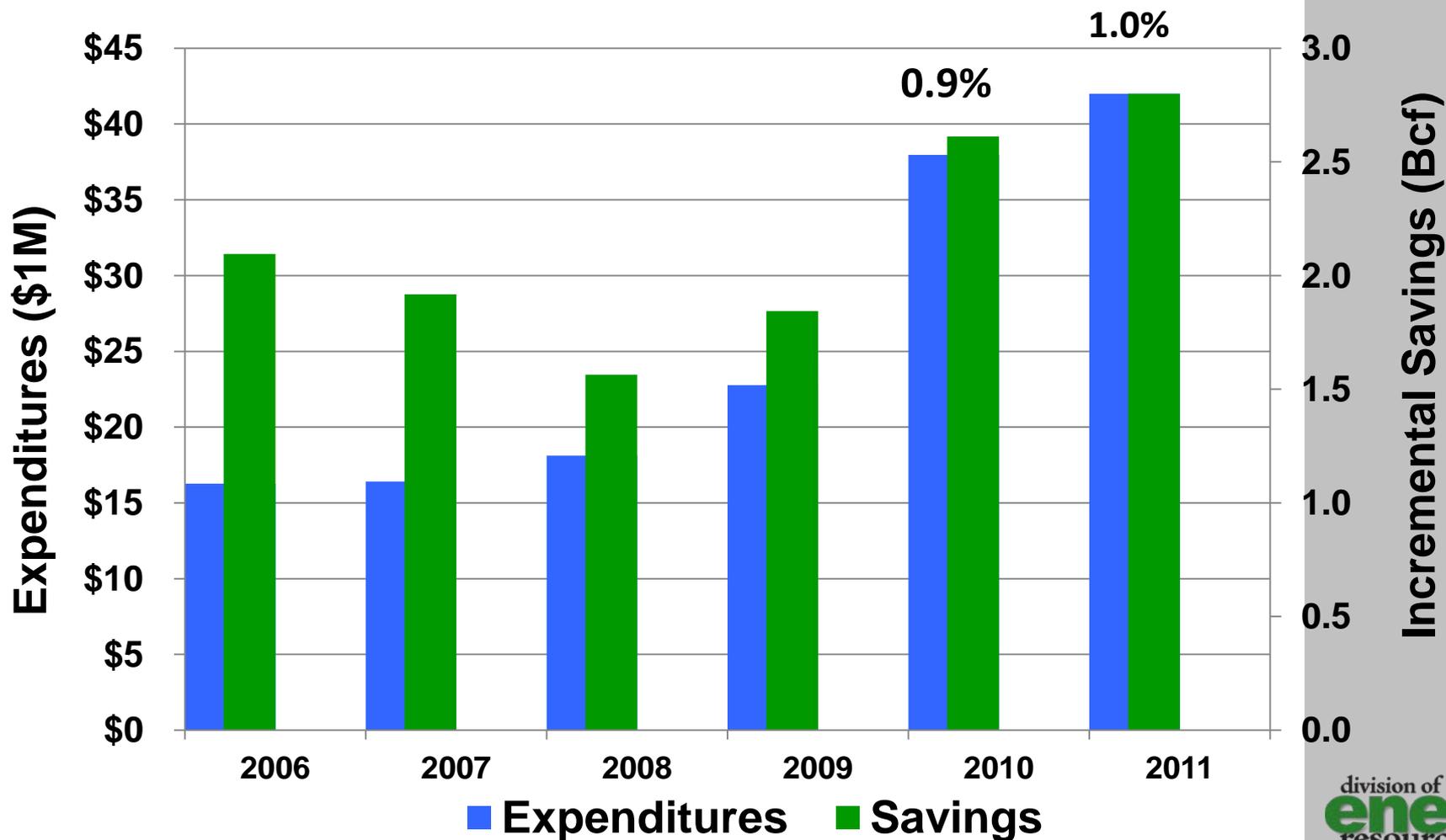
- **Energy Savings Platform (ESP®)**
 - Centralized, Accessible Data
 - Standardized Reporting
 - Measure and Program Design Tools
 - Comparative Analytics
 - Data Driven Decisions



Performance - Electric



Performance – Natural Gas



CIP Performance 2009-2011

- **2.5 million MWh** and **7.3 million Dth** saved from 2009 through 2011.
- Enough energy savings to heat, cool and power **46,203 homes** annually.
- **Over 40 million tons** of CO2 emissions avoided over life of the projects.
- Enough CO2 emissions avoided to take **169,017 cars** for one year on average.
- Avoided **two 500 MW combined cycle plants** since 2007.

Nationwide Context: ACEEE Exemplary Programs

- **One-Stop Efficiency Shop** (Xcel and CEE)
- **Custom Rebate Program** (CenterPoint Energy)
- **Self Direct Custom Efficiency** (Xcel Energy)
- **Home Energy Squad** (CenterPoint, Xcel, CEE & NEC)
- **Energy Efficient Cities** (Austin, Owatonna, Rochester Public Utilities, MERC and CEE)



In Summary...

- Long standing **commitment** to energy efficiency in Minnesota
- National **recognition** for energy efficiency work in Minnesota
- **Evolving** regulations keep programs current
- Successful **partnerships** with industry stakeholders
- Achievement of real **results**

Contact Information

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Questions

