

Energy Efficiency

Tom Sagstetter
Great River Energy

CERTS 2009
Saint Cloud, Minnesota
February 11, 2009

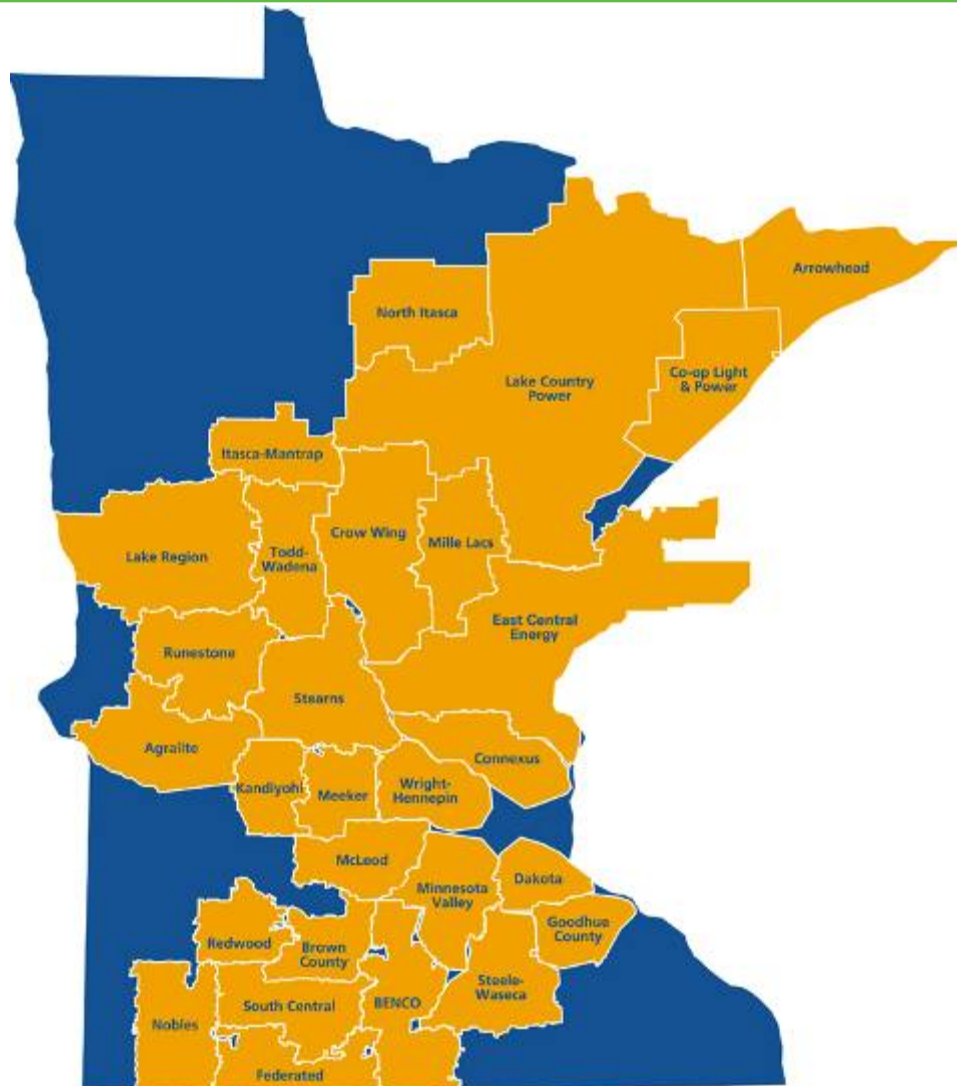


Great River Energy

- Generation & Transmission (G&T) Cooperative
- 28 member distribution cooperatives
 - 630,000 members
- Sales - 60% residential; 40% C&I
- 2,600 MW summer peak
- 2010 energy savings goal 1% equal 111,700,000 kWh
- 2008 estimated energy savings 122,900,000 kWh



Great River Energy



GT RIVER ENERGY®
A Touchstone Energy® Cooperative



CIP Goals

- Promote consumer and industry awareness of energy efficient technologies, conservation, and the positive effects on the environment
- Reduce retail utility bills
- Generate innovations to develop energy efficient products and technology
- Promote new efficient resource development



Energy Policy Act 2007

Changes in CIP Programs

- Each utility will have an annual energy savings goal equivalent to 1.5% of retail energy sales based on most recent 3-year average of weather normalized sales.
- Minimum 1% savings from core conservation programs and .5 % from infrastructure, indirect programs, or waste heat to electricity projects
- Energy savings must be cost effective and be available to all customer classes.
- Income Eligible Spending Requirements
 - 2009 .1% of GOR equal to \approx \$555,000 (GRE)
 - 2010 .2% of GOR equal to \approx \$1,200,000 (GRE)
- Office of Energy Security
 - Applied Research and Development Grants
 - Facilities (1,000 Energy Star and 100 LEED)
 - Deemed Programs (Standardized Energy Savings)

Installation Based CAC/ASHP

- Partnered with Xcel Energy in 2006
 - SEER 13 minimum required program changes
- Program entering third year with minor differences and changes coming in 2010
- Good fit for utilities, HVAC contractors, and retail customers



Installation Based CAC/ASHP

- Contractor registration requirements
 - Company information, tax ID number
 - Number of technicians and installations annually
- HVACReducation.net
 - Standard assessment available 24 hours a day
 - 50 questions (sizing, airflow, refrigerant charge, duct leakage)
 - Host website for assessment, training, and public search for registered contractors
 - Manage database



Benefits of Common Program

- Contractors register once with HVACReduction.net
- One free assessment provided to all technicians
- Assessments and training provided by HVACReduction.net
- Rebate forms and required information similar
- 10% of installations measured and verified
- Rebate forms only available to registered contractors
- Consistent rebate amounts for similar equipment (some deviations)



Residential Lighting

- Learn and Earn
 - Partner with Minnesota Power and local school districts
 - Seamless delivery to schools and customers
 - MP and GRE work out funding and marketing prior to start
 - Marketing co-branded with MP and cooperative information
 - Schools can earn \$1 to \$5 per qualifying product (\$5,000 Maximum) for student education
 - Increase efficiency awareness in the community and school
 - Leverage dollars to increase energy savings
- Energy Star® Change a Light Change the World
 - National program with all major utilities in Minnesota and MOES



Organizations for Success

- Collaboration on Conservation and Efficiency Stakeholders
 - Utilities
 - State and local governments
 - Retailers (local and big box)
 - Trade associates (plumbers, electricians, builders, developers, real estate, etc.)
 - Regulators
 - Community organizations
 - Schools and educators
 - Customers

