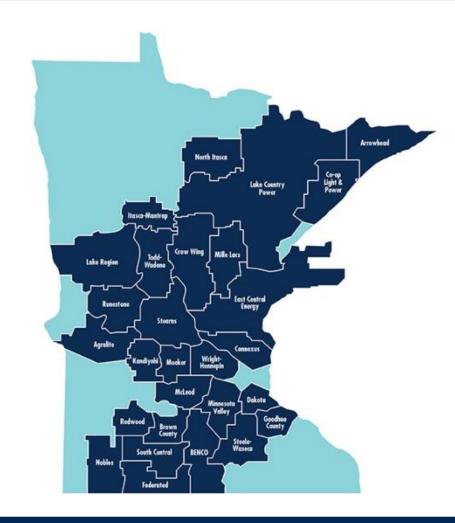
Great River Energy Member Assessments

Jeff Haase

Strategic Energy & Efficiency Programs

Great River Energy

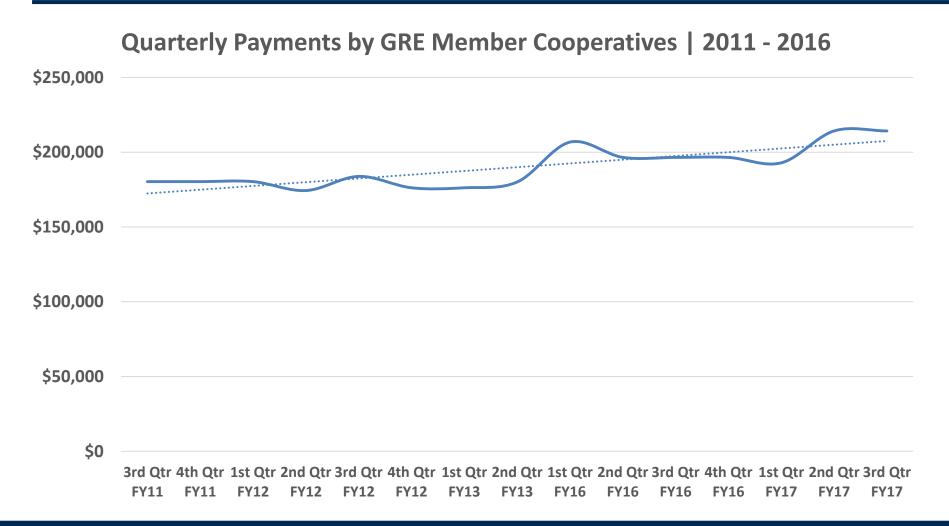
- Generation & Transmission cooperative providing wholesale electricity to 28 distribution cooperatives in Minnesota and into Wisconsin.
- Second largest utility in Minnesota, our member cooperatives distribute electricity to families, farms and businesses servings almost 1.7 million people.



Types of Assessments

- Paid Only by our Retail Members
 - CIP Assessments
 - R&D
 - Technical Assistance
 - Facilities Energy Efficiency
 - Total \$817,860 in 2016
- Assessments Paid by GRE and GRE Members
 - Reliability Administrator
 - PUC Dockets (CON, Siting, IRP)
 - LEC Assessments

GRE Member CIP Assessments

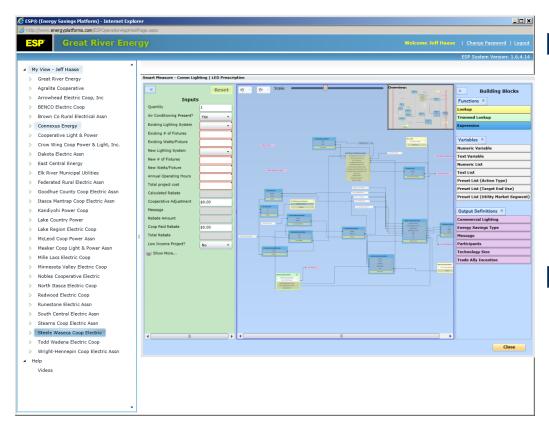




Other R&D Efforts

- Electric Power Research Institute (EPRI)
 - We are full members of EPRI, and participate in a variety of research endeavors.
 - Advance Energy Communities
 - End Use Efficiency Research (EE, Electrification)
- Cooperative Research Network (CRN)
 - National Rural Electric Association (NRECA)
- Department of Energy

Energy Savings Platform



- GRE's 28 member cooperatives track energy efficiency activities through the ESP tool.
- We continue to explore operational enhancements that would better serve our members.

R&D Participation

- Current efforts
 - Cold Climate ASHP Field Study
 - CEE, ACEEE, GRE & EPRI
- Past efforts
 - Behavioral Program Development with OPOWER
 - Lake Country Power, Connexus Energy
- General R&D Efforts vs. Utility Specific R&D

CIP Budget Challenges

- 2017 has been a banner year for member participation in CIP.
- We operate on a budget of \$6.2 million in rebate dollars.
 - Through June many members had used or nearly used their entire budget allocation.
- In the face of tight budgets, the assessment invoices become particularly troublesome and there are concerns about member value.

Thank You

Jeff Haase, P.E., C.E.M jhaase@grenergy.com