From our strategic imperatives:

Grow and Integrate – Promote electrification that enables revenue growth in concert with environmental, efficiency and quality-of-life benefits.
Empowers us to:

- Meet conservation goals
- Increase revenue through selling of strategic programs
- Engage in efforts widely supported by stakeholders
  - Water heating
  - Community solar
  - Electric Vehicles
A juggling act

The needs of the new grid requires a juggling act of...

- Variable resources
- Variable load
- Variable pricing
Water heating

A Thermal Storage “Battery”

- Industry seeking a battery to store renewable energy
- Think of a 105 gallon water heater as a 26 kWh battery
  - Nominal two day supply of hot water
- GRE stores 1 GWH each night, every night, in water heaters
“Smart” water heaters

- Grid-Interactive control technology
  - Allows more renewable energy to be utilized
    - Enhances the value of renewable energy
    - Reduces water heater carbon footprint
  - Lowers member operating costs
  - Can provide ancillary services to wholesale markets
Real Time Prices - MISO NSP.Buffr
Total of 24 Solar projects
11 are community solar
21 kW to 276 kW in size
1.84 MW total
Matching community solar with load management
Buy a 410 watt panel in the SUNNA project and get a free electric thermal storage water heater

- $170 panel cost to consumer
- No sighting issues
- No maintenance issues
- Hedge against future energy hikes
Steele-Waseca Electric Cooperative
Announces New Community Solar Model with Off-Peak Water Heating
JANUARY 13, 2015

Small Co-op, Big Idea

Why one electric co-op is offering their solar customers free water heaters
In Steele-Waseca's territory in Minnesota, community solar comes with a "catch."
By Robert Walton | February 10, 2015
EMBRACE ELECTRIC VEHICLES
Why electric vehicles?

WIN
Our Members

WIN
Our Business

WIN
The Environment

WIN
The Local Economy
Our offer

- Purchase or lease a plug-in electric vehicle and you qualify for renewable energy at ZERO additional cost (above standard electric rates) for lifetime of the vehicle.

  - You may also qualify for a $500 electric charger rebate too!
Electricity

Vibrates a phone, or shakes a nation.