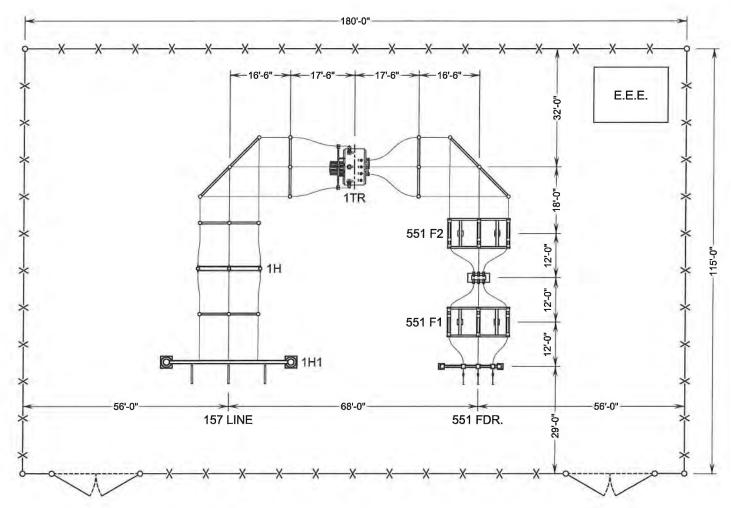
## **APPENDIX H**

**Substation Plot Plans (Preliminary)** 





STRAIGHT RIVER 115/34kV SUBSTATION PLAN

PRELIMINARY

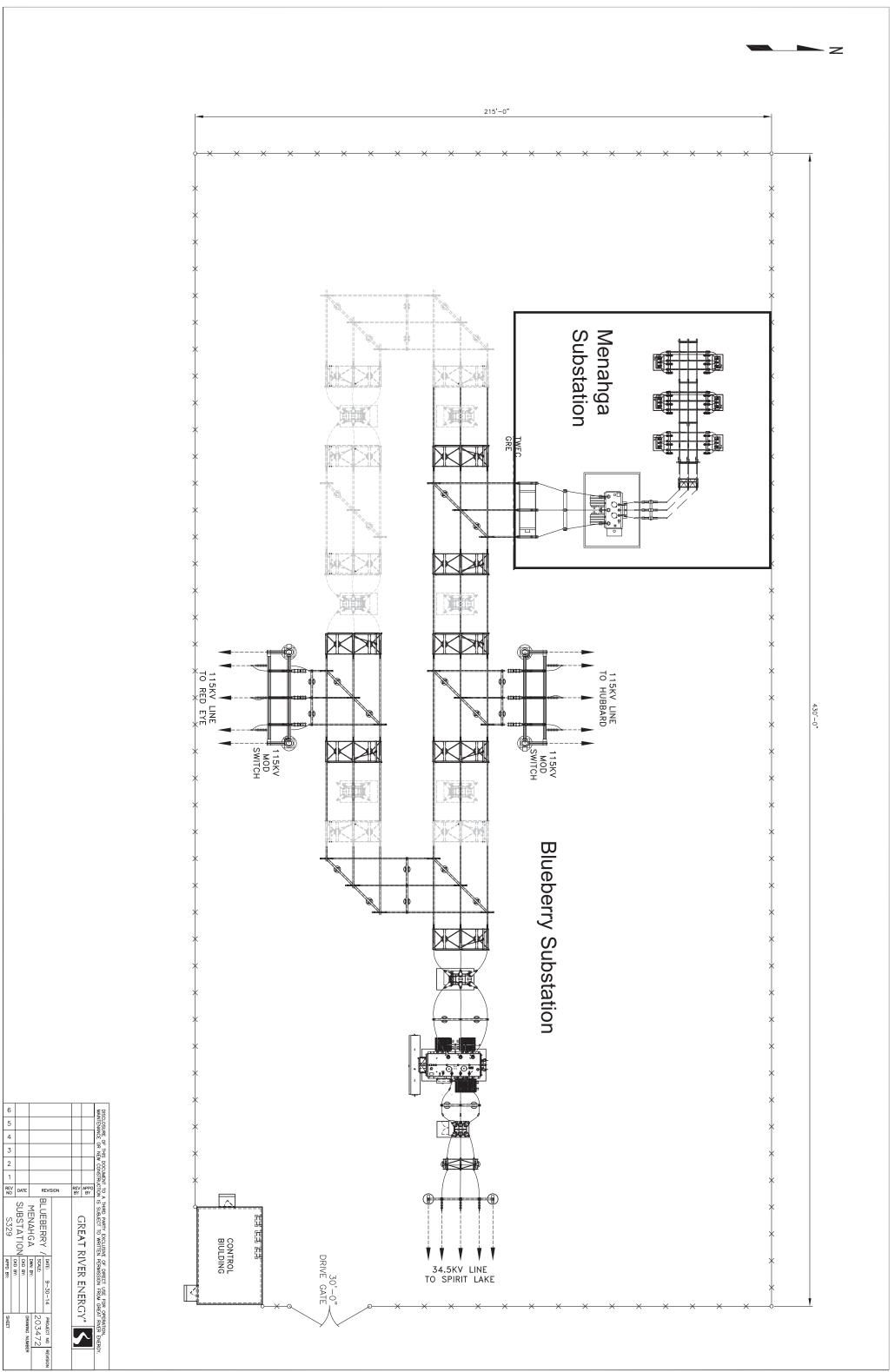
DWN: SJM APP. .

DATE: 01.05.2015 SCALE: 1" = 300'

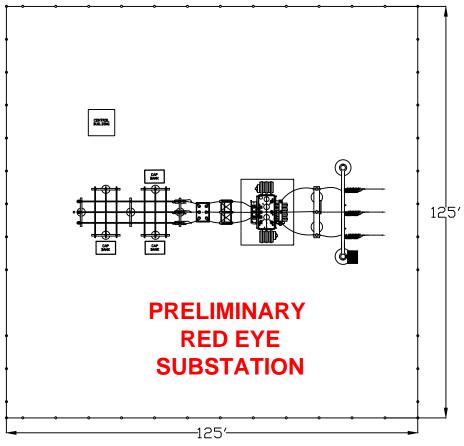
minnesota power

STRAIGHT RIVER 115/34.5kV SUBSTATION ELECTRICAL PLAN & ELEVATIONS ELECTRICAL EQUIPMENT PLAN REV. A DATE: 01.05.2015

FILE: .



PRFLIMINARY



### **APPENDIX I**

**Great River Energy Demand Side Management Programs** 

#### GREAT RIVER ENERGY DEMAND SIDE MANAGEMENT PROGRAMS

## A. The name of the committee, department, or individual responsible for the applicants energy conservation and efficiency programs, including load management;

Great River Energy's Membership and Energy Markets Division is responsible for energy conservation and load management programs.

#### B. A list of the applicant's energy conservation and efficiency goals and objectives;

- Per Minnesota Statute 216B.241, Subd. 1c. Great River Energy's 2014 energy conservation goal for its member cooperatives is equal to 165,055,348 kWh at the generator. This figure represents 1.5% of Great River Energy's members average weather normalized sales for 2011-2012, less sales to customers that have received formal CIP exemptions from the Minnesota Department of Commerce. The Minnesota Department of Commerce, Division of Energy Resources has approved Great River Energy's 2015 program plan, which includes a broad array of programs that cover the residential, commercial, industrial and agricultural sectors.
- Per Great River Energy's load management programs, the goal is to maximize the value of current load management programs by identifying new revenue streams available in a FERC approved ISO market. Opportunities include load management as market energy, regulation and/or reserves.

## A description of the specific energy conservation and efficiency programs that the applicant has considered, a list of those that have been implemented and the reasons why the other programs have not been implemented;

Great River Energy periodically conducts feasibility studies on potential programs. Programs with verifiable energy reductions and no market barriers that are found to be cost effective are implemented. Programs that are difficult to quantify with significant market barriers, or are not cost effective are not added to the program portfolio.

A brief description of each program, by program type, that allows Great River Energy to achieve its strategic conservation and load management goals is provided below.

#### INDIRECT CONSERVATION PROGRAMS

#### **Energy Education**

Member cooperatives assist residential and commercial/industrial customers to help make them aware of the available energy conservation and energy efficiency programs through brochures, bill inserts, radio advertisements, newsletters, workshops, fairs, trade shows, and one-on-one consultation.

#### Residential Electrical Evaluation and Consultation

The residential electrical evaluation and consultation program is targeted at customers who contact their member cooperative and express concern over their electrical usage. When a customer contacts their cooperative representative, the representative reviews general appliance

usage and costs with the customer. The review provides an overview of the customer's energy usage and provides suggestions on various means by which the customer can conserve energy.

#### DIRECT CONSERVATION PROGRAMS - RESIDENTIAL

#### Energy Assessments/Audits

Members offer free or reduced cost energy audits for residential and commercial customers. Cooperatives have staff specifically trained to conduct basic audits. In addition to the basic audits, participating members work with local Community Action Programs (CAP) agencies to target low-income households that could benefit from energy conservation education.

Commercial consumers are provided with either a walk-through energy audit performed by cooperative staff or a more comprehensive audit performed by a professional consultant. Costs for the comprehensive audit are typically shared 50 percent by Great River Energy, through the distribution cooperative, and 50 percent by the customer.

#### **Residential Cooling**

Residential air conditioning is a critical load to Great River Energy and its member distribution cooperatives. High-efficiency air conditioners improve system load factor, reduce peak capacity requirements, improve system efficiencies, and lower customer's cooling costs. Great River Energy, through its member cooperatives, provides a rebate for central air conditioners that have a Seasonal Energy Efficiency Ratio (SEER) of 14 or greater. This increased efficiency results in energy and demand savings during Great River Energy's critical summer period.

#### Residential Air Source Heat Pump (ASHP)

ASHPs provide summer cooling and spring/fall heating in residential or commercial installations. ASHPs are sized for cooling. In the cooling mode, the ASHP functions as a central air conditioner and is load managed during the summer per Great River Energy's cycled air conditioning control strategy. In the heating mode, the ASHP provides very efficient space heating to a temperature of approximately 20 degrees F. At this temperature the ASHP automatically shuts off and the secondary heating system (typically a natural gas or liquid propane furnace) heats the home. If conditions should require load control, Great River Energy also has the ability to control ASHPs during the heating season. ASHPs help Great River Energy improve load factor, reduce peak capacity requirements, and improve system efficiencies.

#### Quality Installation Program for Central Air Conditioners and Air Source Heat Pumps

In addition to offering equipment rebates, Great River Energy and its member cooperatives provide additional incentives for quality installation of high-efficient central air conditioners and air-source heat pumps. In order to generate maximum electric energy savings, it is essential that the equipment is installed correctly and according to manufacturer's specifications. The quality installation program seeks to validate four components of the installation:

- 1) Air flow
- 2) Duct sealing
- 3) Proper sizing
- 4) Refrigerant charge

New central air conditioners and air source heat pumps with an overall efficiency of 13 SEER or higher are eligible. The system must be matched, which means the outdoor condenser unit and the indoor evaporator coil are designed by the manufacturer to work together to provide top performance and maximum efficiency.

#### Residential HVAC Tune-Up

Rebates are available to members who hire a registered and/or professional Heating Ventilation and Air Conditioning (HVAC) contractor to perform a tune-up of an existing, working Cycled Air Conditioner (CAC) or ASHP. This program is designed to improve the efficiency and maintain the operation of CACs and ASHPs.

#### Residential Cycled Air Conditioning and ASHP

The cycled air conditioning program provides customers with an incentive to allow Great River Energy to cycle (15 minutes on, 15 minutes off) their central air conditioner during periods of high peak demand. The cycling provides approximately one kilowatt (kW) of demand reduction per air conditioner. Air conditioning is a critical load to the member distribution cooperatives and to Great River Energy. The program helps improve system load factor, reduce peak capacity requirements, and improve system efficiencies.

#### Residential Geothermal

Ground Source Heat Pumps (GSHPs) have proven to be one of the most efficient space conditioning options with the added potential of significant energy savings. Acceptance of this technology continues to grow nationwide. GSHPs use the latent heat in the earth as a heat sink and a heat source. By utilizing a series of buried heavy-duty plastic pipes filled with a food-grade antifreeze solution as the heat transfer medium, GSHPs are highly efficient in both heating and cooling modes. This high efficiency results in reduced kWh usage in the cooling season and can also significantly reduce the total energy used to heat a home when compared to alternative heating systems. Along with the kilowatt hour (kWh) savings, there is capacity savings when the GSHP is part of the load management program.

#### Income Eligible: AC Tune-UP

Participating member distribution cooperatives offer air conditioning tune-ups to low-income customers in conjunction with local CAP agencies. The role of a CAP agency is to help identify customers that would benefit from this service and to provide instruction to local HVAC service vendors authorized under this program to provide tune-ups. The tune-up service includes:

- Cleaning condenser coil
- Checking Freon level and pressures
- Checking indoor filter
- Testing all controls
- Blowing out drain line
- Visually inspecting the entire system
- Educating homeowner on operation

The low-income air conditioner tune-up program improves air conditioner efficiency, which in turn lowers the customer's energy bill.

#### Income Eligible

Participating member distribution cooperatives provide renters or rental property owners with help to improve the energy efficiency of the property. Programs include high efficiency space heating and cooling, lighting retrofit, appliance replacement, energy saving water kits, Habitat for Humanity, and air conditioner tune-ups.

#### Residential Lighting

Lighting makes up ten percent of a typical home's electricity consumption. The home lighting program is an energy conservation program in the form of a rebate that encourages the conversion from incandescent lighting to more energy efficient lighting – particularly compact fluorescent lighting (CFLs) and light emitting diodes (LEDs). Promotions are also offered throughout the year at major retailers for instant in-store savings (Wal-Mart and Target).

#### **Bulb Recycling**

This program is designed to support Minn. Stat. §115A.932 to encourage residential members to properly recycle CFLs. Great River Energy offers \$0.50 per lamp rebate through local retailers. Free recyling was available in 2008-2009 through participating Menards stores.

#### High Efficiency Water Heat

Customers replacing old inefficient electric water heaters with new high efficiency electric water heaters receive a cash rebate from a participating distribution cooperative. The minimum acceptable water heater has insulation of R16 or greater, and an energy efficiency factor of 0.92. The average water heater replaced has an efficiency factor of 0.82 or less.

#### Residential Dual Fuel and Pool Heat

Dual fuel space heating is a heating option for the conditioned living space in residential customers' homes that use only electric heat as the primary heat source. Cooperative members must have a backup heat source (propane or fuel oil) to provide heat to the entire living area or pool. Member incentives may include all or a portion of the costs to install load controls on equipment.

#### Hot Water Savings

This program offers an opportunity for residential members to purchase and install a variety of energy saving water equipment at a significantly reduced price. The kit includes shower head, kitchen aerator, bathroom aerators, hot water temperature card, and teflon tape to assist with the installation. Kits are provided at no cost to income-eligible members and CAP agencies for installation in income-eligible properties.

#### Electric Vehicle and ChargeWise<sup>SM</sup>

Great River Energy provides a specific rate for charging on and off-road electric vehicles such as Plug-in Hybrid Electric Vehicles (PHEV), golf carts, forklifts, etc., which can operate "around-the-clock" from a nightly eight hour charge. Great River Energy will rebate up to \$500 of the installation cost for the ChargeWise<sup>SM</sup> kit. The ChargeWise<sup>SM</sup> program requires the program participant be a residential customer of an all requirements member.

## DIRECT CONSERVATION PROGRAMS – COMMERCIAL, INDUSTRIAL, and AGRICULTURE (CI&A)

#### Agriculture

Agricultural prescriptive and custom rebates are available to members for the installation of various typs of high efficiency agricultural equipment. Rebates are offered for the following applications:

- Ventilation
- Dairy-Free Heater
- Dairy Plate Cooler
- Hog Farrowing
- Compressor Heat Recovery Systems
- Scroll Compressors for Bulk Tank
- Low Pressure Irrigation Systems
- Livestock Water Heaters

#### Compressed Air

This program rebates members for installing compressed air systems, equipment updates or system improvements that result in lower energy usage.

#### Custom

The CI&A energy grant and rebate program provides cash incentives to qualified applicants for energy efficiency improvements to their business, industry, or farm. Interested customers must complete a grant application form, which describes the intended energy efficiency improvement measures and calculates the expected energy and demand savings. The individual member cooperative evaluates the proposal for viability and cost effectiveness, and those that rank the highest are awarded grants to help offset the cost of their project. Grant funds are typically used for the installation of high efficiency lighting, motors, adjustable speed drives, refrigeration compressors, high efficiency air conditioning, and other energy-conserving equipment. The program also includes a New Construction Rebate for Lighting and Motors. This rebate is on a per fixture basis or on the horsepower rating of the motor.

#### Energy Assessments/Audits

Members offer free or reduced cost energy audits for residential and commercial customers. Cooperatives have staff specifically trained to conduct basic audits. In addition to the basic audits, participating members work with local CAP agencies to target low-income households that could benefit from energy conservation education.

Commercial consumers are provided with either a walk-through energy audit performed by cooperative staff or a more comprehensive audit performed by a professional consultant. Costs for the comprehensive audit are typically shared 50 percent by Great River Energy, through the distribution cooperative, and 50 percent by the customer.

#### COMMERCIAL HEATING VENTILATION AND AIR CONDITIONING (HVAC)

Program rebates are offered to members for qualifying commercial cooling equipment installation. Only new and complete central air conditioning units and remote condensing unit retrofits qualify.

#### Commercial GSHPs

GSHPs have proven to be one of the most efficient space conditioning options with the added potential of significant energy savings. This high efficiency results in the reduction of kWh usage in the cooling season and can also significantly reduce the total energy used to heat a building when compared to alternative heating systems. A number of building types are able to take advantage of the benefits of heating and cooling with GSHPs and the program targets schools, churches, and other commercial and industrial buildings where appropriate.

#### Commercial New Construction Lighting

Prescriptive and custom rebates are available for lighting projects in retrofit, new construction and LED traffic signal retrofit applications. Specific dollar amounts, per fixture, vary based on the type of luminaries installed, lamp wattage, length and number of lamps per fixture.

#### Commercial Retrofit Lighting

Rebates are offered for retrofit lighting projects in existing structures. They are determined individually, based on equipment being removed and replaced with more efficient lighting or controls. For projects not covered by the perscriptive rebate application form, a custom rebate will calculate the energy savings and determine the rebate amount.

#### Commercial Motors and Drives

This program offers rebates for new or existing retail businesses. Rebates are determined on an individual basis using the perscriptive rebate forms for the motors and drives being installed. Motors that meet the National Electrical Manufacturers Association (NEMA) Premium Efficiency Motor Standards for retrofit applications are eligible.

#### Commercial Whole Building Energy Efficiency

Member cooperatives provide energy efficient educational materials and speakers for little or no cost to members at community meetings, key account meetings and other public informational gatherings. Member cooperatives also offer design assistance, building commissioning, building recommissioning, and audits that are specific for the commercial, industrial, or agricultural members needs.

#### **Vending Controls**

Rebates are available for control devices that are either occupancy or moisture sensor-based installed on beverage vending machines, glass-front beverage machine coolers or glass-front refrigerated display case doors.

#### DIRECT LOAD CONTROL PROGRAMS

#### Interruptible CI&A Loads

The Interruptible CI&A Loads Program provides a reduced electric rate to CI&A customers that can reduce their demand by a minimum of 25 kW during periods of high demand.

#### **Interruptible Air Conditioning**

The interruptible air conditioning program is available to residential, commercial, and industrial members annually from May through September. During these months members agree to have their air conditioning systems interrupted for up to six (6) hours on event days.

#### **Interruptible Irrigation**

Interruptible commercial irrigation systems, generally agricultural, turf growers, or golf courses, can be interrupted once per day for up to four hours.

#### **Dual Fuel Space Heating**

Dual fuel space heating systems are a combination of interruptible electric and non-electric space heating. Both the primary and secondary heating systems are sized for the entire heating load of the home. During periods of high electric demand, the interruptible electric heating system is shut off and the secondary (non-electric) heating system heats the home.

#### Electric Thermal Storage (ETS) Space Heating

The ETS space heating program uses off-peak electric energy to provide 100% of a home's heating requirements. During the nightly eight-hour ETS charge time, heat is stored in a water or ceramic medium. There are three commonly available storage heating configurations: central furnaces, room or dispersed heaters, and slab. Customers receive a special off-peak rate in return for allowing Great River Energy to control their systems each day during the on-peak hours.

#### Electric Thermal Storage (ETS) Water Heating

The ETS water heating program uses off-peak electric energy coupled with a high efficient water heater with sufficient storage capacity to supply the user's hot water needs. The water heaters are charged between 11:00 p.m. and 7:00 a.m. each evening.

#### **Interruptible Water Heating**

Interruptible water heaters can be interrupted during periods of high electric demand for up to eight hours per day. Customers receive a special interruptible rate in return for allowing Great River Energy to control their water heaters during peak periods.

#### Electric Thermal Storage (ETS) Pool Heating

The ETS pool heating program uses off-peak electric energy to heat water for swimming pools. Swimming pools can be sufficiently heated during the nightly eight-hour off-peak charge time. Member distribution cooperatives provide participants a reduced electric rate for the ability to interrupt this load during the on-peak hours.

Off Peak Electric Vehicles and "ChargeWiseSM"
The Electric Vehicle and "ChargeWise<sup>SM</sup>" program charges electric vehicle batteries using only off-peak energy between 11:00 p.m. and 7:00 a.m. nightly. Examples of qualifying vehicles are electric forklifts, golf carts, and residential PHEVs and EVs.

#### WELLSPRING RENEWABLE ENERGY PROGRAM

The Wellspring renewable wind energy program is a voluntary "green pricing" program that offers wind-generated electricity to cooperative members. Great River Energy was the first utility in the five-state region to offer such a program. Green pricing is a voluntary service that allows members the opportunity to purchase 100 kWh blocks of renewable energy and pay a premium on their electric bill to cover the incremental cost.

#### **EVALUATED PROGRAMS**

#### Pool Pump

The Pool Pump program is currently available on a pilot basis. The program is available to members that have an in-ground swimming pool. Members replacing an old inefficient pump with a new high efficiency pump can receive a rebate from their participating distribution cooperative.

#### PC Power Management

Connexus Energy, Dakota Electric, and Minnesota Valley Electric Cooperative are currently evaluating PC Power Management based on the recommendations provided in a report titled, "Electricity Savings Opportunities for Home Electronics and Other Plug-In Devices in Minnesota Homes". The report was completed in 2010 by the Energy Center of Wisconsin. The program allows a member to download an internet application that manages the energy used by a home PC based on an energy use profile that automatically switches the computer to a hibernate mode when it is not used for a predetermined length of time.

#### **Data Centers**

Data center rebates are not a specific program, rather they are covered under the custom grant program or by individual measures done at the site (HVAC, Lighting, Controls, etc.)

#### Battery Energy Storage

The intent of the program was to store off-peak energy in lead acid batteries to be discharged during the on-peak hours. Great River Energy's analysis showed that the cost of the units and the kWh capacity was not able to yield a positive return on investment, via energy arbitrage, over the life of the unit.

#### Ice Energy Storage

The potential to store off-peak energy in large insulated vessels to be discharged during on-peak hours was investigated. The units are deployed in conjunction with existing commercially packaged HVAC rooftop units. When the HVAC unit calls for cooling, a pump circulates coolant through coils in the ice and transfers the cold fluid to a separate condenser installed in the HVAC unit. The program was not found to be cost effective.

## C. A description of the major accomplishments that have been made by the applicant with respect to energy conservation and efficiency;

#### **Conservation and Efficiency**

Great River Energy has met the CIP goals outlined since 2010 when the legislation regarding the Minnesota Energy Conservation Goals took effect. Prior to 2010, Great River Energy successfully met the internally established goals for 2008 and 2009. Additional information on the success of the conservation and load management programs is provided in the tables on the following pages.

**2008:** 78,000,000 kWhs saved (0.7% of member sales)

**2009:** 94,000,000 kWhs saved (0.85% of member sales)

**2010 All Requirements Members\*:** 117,226,945 kWh saved at the generator equaling 1.34% of member sales.

**2011 All Requirements Members:** 110,152,388 kWh saved at the generator equaling 1.27% of member sales.

**2012 All Requirements Members:** 83,744,605 kWh saved at the generator equaling 1.0% of member sales.

**2013 All Requirements Members:** 99,134,162 kWh saved at the generator equaling 1.17% of member sales.

\* Twenty (20) all-requirements members purchase all of the power and energy needed to satisfy their electricity sales from Great River Energy, with limited exceptions for amounts historically supplied by the Western Area Power Administration ("WAPA") or from renewable generation facilities directly interconnected at a distribution level. Great River Energy has the responsibility and obligation to plan for and supply all of the future power and energy needs of the all-requirements member rate class.

Eight (8) fixed members purchase a finite contractual amount of power and energy from Great River Energy that does not change based on their current actual use or need. As such, the energy conservation savings achieved by the fixed members does not reduce Great River Energy's power supply obligations or impact its need for future generation resources. Some fixed members purchase power and energy historically supplied by WAPA or from renewable generation facilities directly interconnected at the distribution level. The fixed members have made arrangements for other wholesale suppliers to assume responsibility and obligation to plan for and supply all of their future power and energy needs.

Total kWh saved does not include kWh savings generated through supply side investments. In 2010 Great River Energy and its member cooperatives realized an additional 431,900,000 kWh in savings associated with improvements to generation and cooperatives distribution assets.

Generator kWh savings add 11.5% to the energy savings that are realized at the end use member. This amount is an average reflecting the line-losses that occur through the Transmission and Distribution of electricity to end use members.

CIP Savings and Expenditures – All Requirements Members Only Great River Energy 2008-2013									
CIP Year	Annual kWh	Lifetime kWh (based on average measure lifetime)	Annual KW	Aggregate KW	Annual CIP Spending	Aggregate CIP Spending			
2008	70,432,275	880,403,438	125,825	125,825	\$16,248,830	\$16,248,830			
2009	79,467,727	998,114,651	77,418	203,243	\$18,759,091	\$35,007,921			
2010	117,226,945	1,441,891,424	41,634	244,877	\$20,598,092	\$55,606,013			
2011	110,152,388	1,371,764,400	35,400	280,277	\$18,306,921	\$73,912,934			
2012	83,744,605	1,042,899,483	20,189	300,466	\$16,274,707	\$90,187,638			
2013	99,134,162	1,524,683,411	38,598	339,064	\$15,575,524	\$105,763,162			
Total	560,158,102	7,259,756,807	339,064	339,064	\$105,763,162	\$105,763,162			

#### **Demand Side Management**

Additional Controlled Load Great River Energy									
2011-2013									
Additional Controlled Load Installed by Customer Class (kW)									
	2011	2012	2013						
Residential	9,000	8,700	9,000						
Commercial	1,000	6,000	1,000						
Total*	10,000	14,700	12,013						
Total Controlled Load Installed by Load Type (MW)									
	2011	2012	2013						
Dual Fuel	137	140	143						
Cycled Air Conditioning	104	106	108						
Interruptible Water Heating	38	39	36						
Irrigation	31	31	30						
Interruptible C&I	165	170	176						
Total MW	475	486	493						

<sup>\*</sup> The effect of energy conservation and load management programs on load is implicit in Great River Energy's forecasts. The forecast is calculated using raw load data, and does not make any adjustments that attempt to measure the impact of energy efficiency or load management activities. DSM and conservation programs do have a significant effect in reducing the need for new resource additions. In aggregate, Great River Energy's load management programs are capable of reducing summer and winter peak loads by 15%.

## D. A description of the applicant's future plans through the forecast years with respect to energy conservation and efficiency.

Great River Energy and its Members have developed a robust portfolio of energy efficiency programs that provide measureable value for member-consumers in Minnesota. These programs are a dynamic and active part of Great River Energy's planning and daily operations and provide member-consumers with options for managing their energy use and associated costs.

The key to maintaining success hinges on the ability to promote current programs while developing new programs that find a sustainable balance between reducing energy and maintaining member-consumer satisfaction. Success can be seen not only in the achievement of conservation goals but also in the creation of new programs. An ongoing goal at Great River Energy is to create new programs that provide more opportunities for member-consumer participation. On average, Great River Energy creates two new energy efficiency programs each year. Recent goals have been achieved by reaching out and partnering with large retailers such as Wal-Mart and Target. Continuing to reach out to local retailers and others across the industry will enable Great River Energy to identify new opportunities that will lead to successful achievement of its strategic conservation goals.

# E. A quantification of the manner by which these programs affect or help determine the forecast provided in response to part 7849.0270 subpart 2, a list of their total costs by programs, and a discussion of their expected effects in reducing the need for new generation and transmission facilities.

Energy Conservation and Demand Side Management Budgets 2014-2016							
	2014 Approved Budget	2015 Proposed	2016 Proposed				
<b>Energy Conservation</b>							
Residential	\$6,394,148	\$5,894,148	\$5,894,148				
Commercial	\$2,605,852	\$2,605,852	\$2,605,852				
Income Eligible	\$1,189,076	\$1,189,076	\$1,189,076				
Total	\$10,189,076	\$9,689,076	\$9,689,076				
<b>Demand Side Management</b>							
Residential	\$6,178,798	\$5,569,688	\$5,569,688				
Commercial	\$388,839	\$288,839	\$288,839				
Total	\$6,567,638	\$5,858,527	\$5,858,527				
Total Budget*	\$16,756,714	\$15,547,603	\$15,547,603				

<sup>\*2014-2016</sup> Budget projections are based on the statutory mandated spending requirements and will change with changes in subsequent annual revenues. Currently Minnesota Statutes §216B.241, Subd. 1b. requires that cooperative associations spend a minimum of 1.5% of their gross operating revenues from service provided in the state, excluding gross operating revenues from service provided to large electric customer facilities indirectly through a distribution cooperative electric association. Cooperatives are allowed to use 50% of this minimum spending requirement on load management program expenditures.

## **APPENDIX J**

## **List of Landowners within Proposed Route**

ALLEN M & JANICE L MARJAMAA

ANDREW MARJAMAA

**BRADLEY & MARLENE SNYDER** 

**BRENDA SEXTON & LANITA SEXTON** 

**BRUCE & MARY & JACOB BURKMAN** 

**BRUCE H & MARY E BURKMAN** 

CARL O BENSON TR

CATHRYN J & RICHARD E KARI

**CHARLES & LISA DORMANEN** 

CHRISTOPHER S & LISA MICKELSON

**COOPERATIVE POWER ASSOC** 

DALE L & CAROL K ANDERSON

DALE R & DEBRA A FISHER

DAVID & DOROTHY HAATAJA TRUST

DAVID C & LINDA J BENSON

DAVID F & DONNA L MARJAMAA

DAVID G & JEANNE HILGENDORF

DAVID G & JEANNE M HILGENDORF

**DNR-FORESTRY-OTHER** 

**DONNA J ANDERSEN TRUST** 

**DULSKI FAMILY TR** 

**GARY L DAY ETAL** 

**GARY MARJAMA** 

GEORGE C HALVORSON JR SEP PROP

**GERALD & JOY BENJAMIN** 

GERALD P & JOY R BENJAMIN CD

**GREGORY A & JOANN C PETERSON** 

**GREGORY P & LINDA J GIESE** 

**HENDRI ERNST & SARAH ERNST** 

JAMES D PETERSON

JAMES W & DIANE K GILMER

JEFFREY A & YALONDA K FIX

JOEL S & JENNIFER A GREWE

JOHN B & REBECCA M TORMANEN

JOHN C & ROBERTA L ROGAHN

JOSEPH A WUOLLETT

KELLY J & LAURIE M ELSNER

**KEVIN D & JANE I URVIG** 

LARRY J MCKEEVER

**LEON A MAGER** 

LEVI R YLINIEMI

LOWELL & MELISSA KOEBERNICK

LOWELL S & M J KOEBERNICK

**LUANN M HINTON** 

MARC A & CYNTHIA R SIMPSON

MARJORIE KNOWLES ETAL

MICHAEL & ANDREA MAKELA

MILO J & JULIE A HUGHES

MINN PIPE LINE CO

MINNESOTA POWER & LIGHT

PETER J MARJAMAA & JEFFREY A MARJAMAA

PHILLIP E & JENORA J PIKE

POTLATCH MN TIMBERLANDS LLC

POTLATCH OPERATING CO

RICHARD & DARLAYNE YLINIEMI

**RUSSELL & CAROL SCHWARTZ** 

**RUSSELL D & VICKIE L KNOWLES** 

**RUSSELL D KNOWLES ETAL** 

SHIRLEY J HUNKINS

STEVEN O & JANET M APPEL

TFL-COUNTY

TROY D KINNUNEN

WESLEY G RENNEBERG REVOCABLE TRUST

WILLIAM & BONITA FERGUSON CD