



# **Integrated Resource Plan**

Prepared for  
**Heartland Consumers Power District  
Integrated Resource Plan Cooperative**

June 2014  
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## Introduction

Heartland Consumers Power District (HCPD) is a public corporation and political subdivision of the state of South Dakota. It was created in 1969 under the Consumers Power District Law. HCPD's purpose is to supply electric energy and encourage and extend its use both within and outside the state of South Dakota. HCPD is empowered by the Consumers Power District Law to finance, own and operate anywhere, singly or jointly, any electric light and power plants, lines or systems for the generation, transmission or transformation of electric power and energy. HCPD is also authorized to sell, transmit, and deliver electric power and energy at wholesale to distributors within and outside the boundaries of South Dakota.

HCPD is governed by a ten-member board of directors. Directors are elected in the general election for terms of six years, representing a designated subdivision within the district. Directors' terms are arranged so not more than four directors are elected at one time. HCPD's original nine subdivisions include virtually all rural areas of the 36 counties in eastern South Dakota. Subdivision 10 is made up of the cities of Groton, Madison and Volga, South Dakota. These three cities elected to be annexed into the district.

HCPD entered into power sales agreements to supply firm power and energy to nineteen municipal electric systems in South Dakota, seven in Minnesota, and three in Iowa. HCPD has also contracted to provide similar service to six state institutions including South Dakota State University, University of South Dakota, Northern State University, South Dakota State Training School, South Dakota Human Services Center and Mike Durfee State Prison. HCPD also provides service to a portion of the service area of Northern Electric Power Cooperative near Frederick, South Dakota and a portion of the needs of Northern Iowa Municipal Electric Cooperative Association (NIMECA), based in Humboldt, Iowa.

The primary source of electric power and energy utilized by most HCPD customers is the hydropower generated at the six federal dams on the Missouri River. Western Area Power Administration (WAPA), an agency of the U.S. Department of Energy, markets this resource. In 1977, WAPA allocated its maximum availability of federal hydropower among its customers. Load growth of communities with WAPA resources after 1977 thereby produced a need for supplemental electric power and energy, now supplied by HCPD. Some of HCPD's customers do not have a hydropower allocation from WAPA.

New Ulm Public Utilities, a customer of HCPD and member of the HCPD IRP Cooperative, has a power supply arrangement unique to that of the other IRP Cooperative

members. New Ulm's power supply includes a fixed federal hydropower allocation from WAPA, a fixed supply of power and energy from HCPD, and then relies on its own capacity resources and market energy purchases from the Mid-Continent Independent System Operator (MISO) to meet its load requirements.

The power and energy HCPD supplies to its customers is generated by a diverse mix of resources including coal-fired, fuel oil and wind generation. This resource mix includes an ownership entitlement in the Missouri Basin Power Project (MBPP) near Wheatland, Wyoming. MBPP consists of Laramie River Station, a 1,710 MW coal-fired generating station, and associated transmission facilities. In 2011, HCPD added a new coal-fired unit to its resource mix, Whelan Energy Center Unit 2 (WEC2). HCPD, along with other members of the Public Power Generation Agency (PPGA), an interlocal agency established under Nebraska law, operate the 220 MW plant located near Hastings, Nebraska.

Other components of HCPD's resource mix include an exclusive purchased power agreement for the entire output of the 51 MW Wessington Springs Wind Energy Center (operated by NextEra Energy Resources) located near Wessington Springs, South Dakota. HCPD meets the rest of its power supply requirements through short-term purchases and power supply contracts with area utilities in the MISO and Southwest Power Pool (SPP) regions.

HCPD power, as well as WAPA power, is delivered over the Integrated Transmission System (IS). The IS is owned by WAPA, Basin Electric and HCPD. It is a high voltage grid covering a seven-state area and consists of over 9,400 miles of line.

## **Integrated Resource Plan Cooperative**

HCPD and its customers, that were also WAPA customers, formed an Integrated Resource Plan (IRP) Cooperative in 1996 as permitted in paragraph (c), section 2 of 905.12 Submittal Procedures of Part 905 – Energy Planning and Management Program. HCPD, acting as an IRP Cooperative on behalf of its customers, submitted and updated an IRP as required by WAPA. The original IRP was approved and each subsequent update has also been approved by WAPA.

HCPD submits this Cooperative Integrated Resource Plan on behalf of the customers listed below:

### **HCPD Customers in the Integrated Resource Plan Cooperative:**

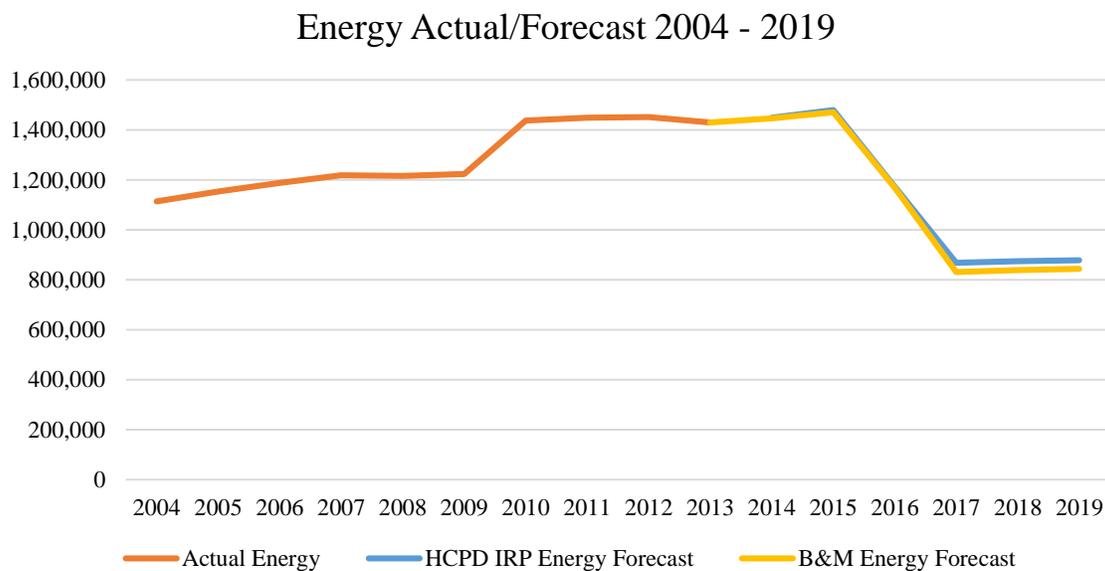
Madison, South Dakota  
Volga, South Dakota  
New Ulm Public Utilities Commission

Sioux Falls, South Dakota  
Miller, South Dakota

All customers included in the IRP Cooperative are municipal utilities. Please see Appendices A and B for detailed information on each HCPD customer included in the IRP Cooperative.

## Load Forecast

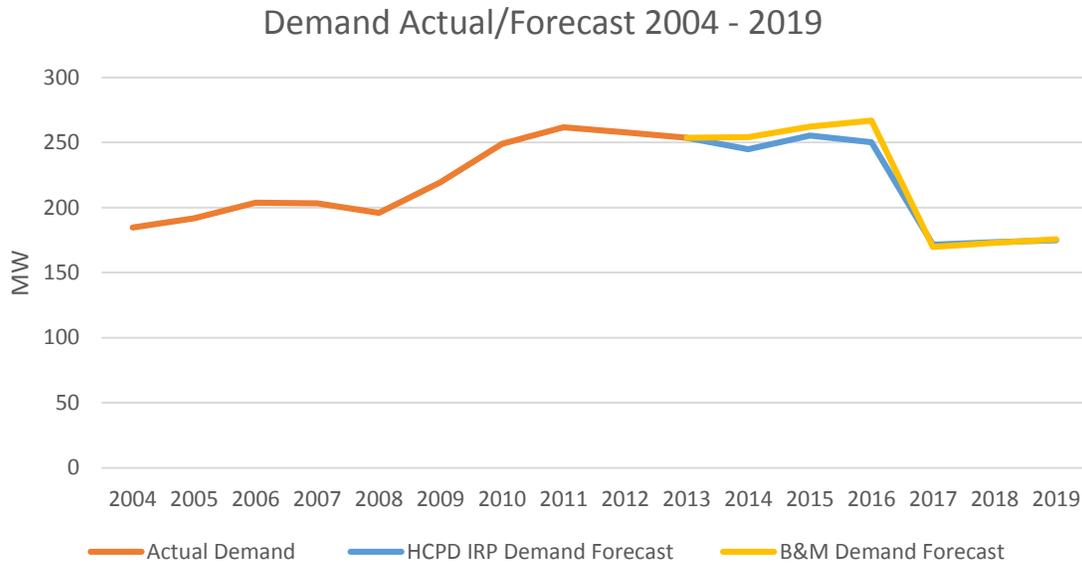
The first step in developing the resource plan is preparing a long-range demand and energy forecast. HCPD has developed and is constantly updating and refining a long-range forecast for resource planning and financial planning purposes. HCPD also periodically engages an outside expert to perform a long-range forecast for use in future resource planning along with a comparison to HCPD's internal forecasts. In 2013, HCPD contracted with Burns & McDonnell to perform a long-range forecast of HCPD customer load covering the period of 2014 – 2031. As part of the IRP, HCPD considered the results of the Burns & McDonnell forecast along with its 2014 annual budget forecast.



**Figure 1: HCPD IRP Energy History and Forecast**

Figure 1 is a plot of HCPD customers' historic energy use for the time period of 2004 – 2013 along with energy forecasts for 2014 – 2019, including both HCPD's internal forecast and Burns & McDonnell's long-range forecast. HCPD customer aggregate energy use is expected to reduce from 1,431 GWH in 2013 to 879 GWH in 2019. This significant reduction is due to the expiration of Marshall Municipal Utilities' (MMU) contract with HCPD effective 7/1/2016. Marshall Municipal Utilities is currently HCPD's largest customer, accounting for almost 625 GWH of system load. Adjusting for the loss of MMU load, this forecast results in an energy use compound annual growth rate of approximately 1.1 percent for the remaining HCPD customers throughout the IRP

planning period of 2014 - 2019.



**Figure 2: HCPD IRP Demand History and Forecast**

Figure 2 is a plot of HCPD customers' historic peak demand for the time period of 2004 – 2013 along with peak demand forecasts for 2014 – 2019, including both HCPD's internal forecast and Burns & McDonnell's long-range forecast. HCPD customer aggregate peak demand is expected to reduce from 254 MW in 2013 to 175 MW in 2019. As with the energy forecast, this reduction is the result of the expiration of HCPD's contract with MMU. MMU currently accounts for approximately 90 MW of system demand. Adjusting for the loss of MMU load, this forecast results in a compound annual growth rate in the peak demand forecast of approximately 1.3 percent for the remaining HCPD customers throughout the IRP planning period of 2014 - 2019.

HCPD's forecasting model uses a combination of a linear regression analysis and a comparative rate of growth analysis to use historical information to forecast future energy usage. Demand is forecast using a calculated average seasonal load factor for each customer and applying that to the forecasted energy usage. HCPD's forecasts are evaluated against actual usage numbers on a regular basis to ensure accuracy. HCPD's forecast has historically been very accurate, usually within +/- 2%.

The long-range forecast performed by Burns & McDonnell was based on an econometric

model. Burns & McDonnell created the forecasts included in this report by developing new economic equations using recent economic data and forecasts from Woods & Poole Economics, Inc. (Woods & Poole) for several cities and counties in Minnesota and South Dakota. Woods & Poole is an independent firm that specializes in long-term county economic and demographic projections. Historical data for HCPD was provided by HCPD from 1994 to 2012. The forecasts developed are class-specific and cover a period of twenty years with projections through 2031.

## Supply Side Resource Summary

Heartland Consumers Power District customers' current resources include a diverse mix of sources that include hydro-electric, coal-fired, wind, and diesel-fuel generation. A portion of our customers' load is served by Western Area Power Administration (WAPA) through customer allocations of hydro-electric power supplied by the six federal dams of the Missouri River. Customer allocations from WAPA for 2013 equal approximately 84 MW and 469 GWH. For all customers excluding New Ulm, MN, HCPD is responsible for supplying any power needed by these customers in excess of their allocations. For New Ulm, HCPD provides a fixed block of capacity and energy. In addition to the WAPA allocation and HCPD supply, New Ulm relies on local capacity and energy purchases within the Mid-Continent Independent System Operator (MISO) market to fill out its power supply needs.

HCPD continues to receive dependable, low-cost power from its ownership entitlement in the Missouri Basin Power Project (MBPP), which includes Laramie River Station (LRS), a 1,710 MW coal-fired facility located in Wheatland, Wyoming. HCPD's ownership in MBPP consists of a 51 MW share of LRS Unit 1. LRS has been consistently ranked as one of the most cost-effective facilities of its kind in the nation.

HCPD's newest baseload resource, Whelan Energy Center Unit 2 (WEC2), is a 220 MW coal-fired generating plant located near Hastings, Nebraska. WEC2 is owned by five public power utilities, including HCPD, which formed the Public Power Generation Agency (PPGA), an interlocal agency established in Nebraska for the sole purpose of constructing and operating WEC2. Heartland has an 80 MW entitlement in the output of WEC2, making it the largest generating resource in our portfolio. The plant meets all of the latest pollution control standards with an air quality control system that includes an electrostatic precipitator to remove fly ash, a scrubber to remove SO<sub>2</sub>, selective catalytic reduction to reduce NO<sub>2</sub>, and a baghouse for additional particulate removal, as well as mercury removal controls.

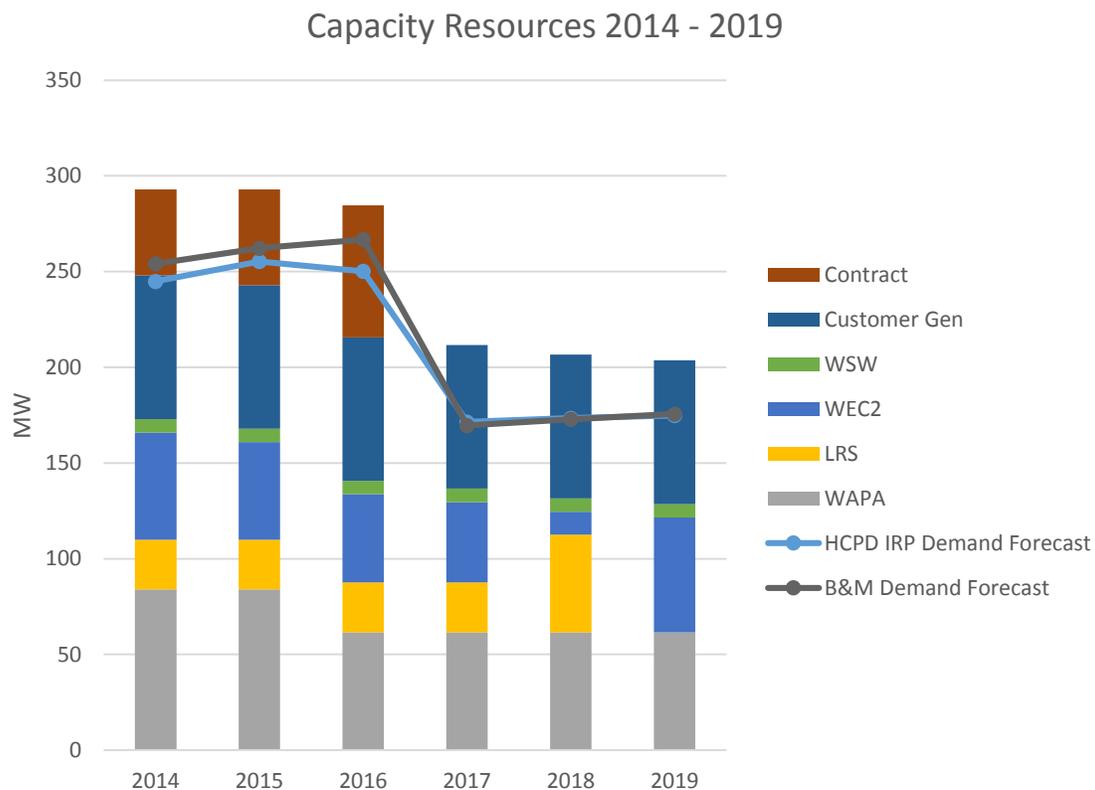
HCPD supplements its baseload resources with renewable energy supplied by the Wessington Springs Wind Energy Center (WSWEC). WSWEC is owned and operated by NextEra Energy Resources and is located in Jerauld County, South Dakota, near the community of Wessington Springs. The facility consists of 34 General Electric, 1.5 MW wind turbines, generating approximately 51 MW of clean and renewable energy. HCPD has entered into a long-term purchased power agreement (PPA) to purchase the entire output of the facility.

In addition to its baseload and renewable resources, HCPD supplements its power supply

with diesel fueled generators located in various customer communities. HCPD contracts the purchase of the capacity and energy associated with the generators from our customers. These resources are used primarily to meet regional capacity requirements, but can also provide energy in certain situations. HCPD currently purchases 28 MW of capacity from its customers through these agreements.

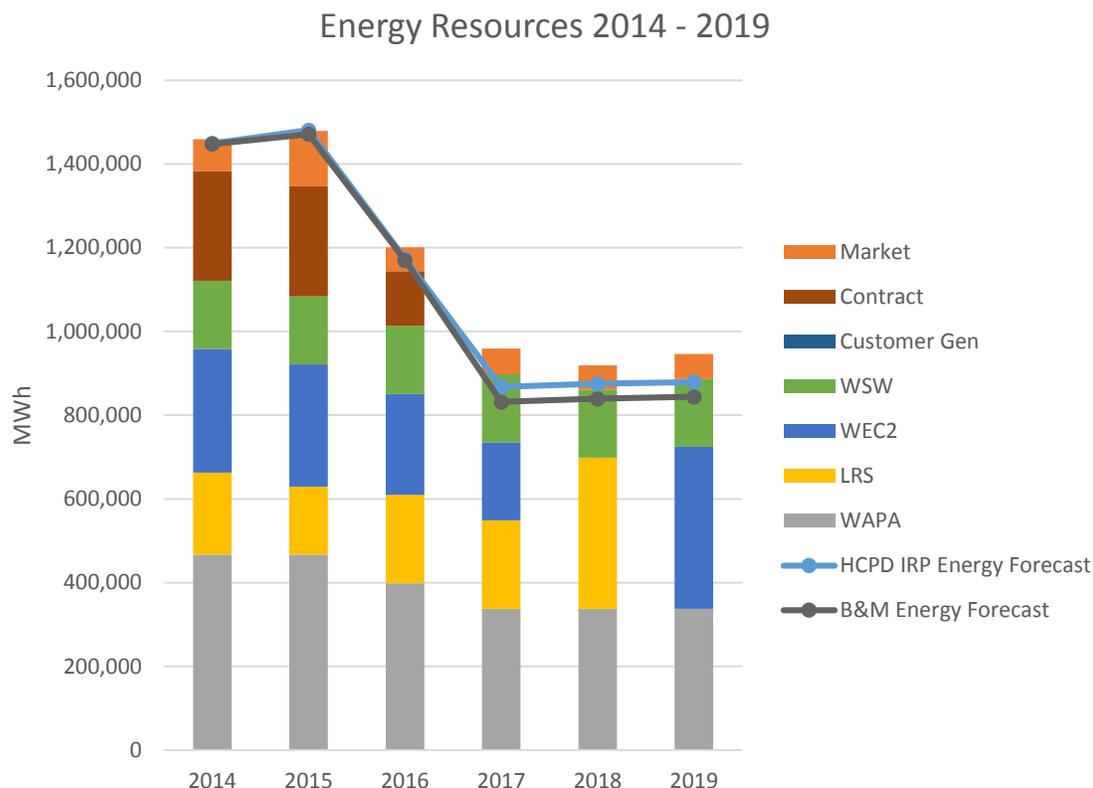
HCPD periodically makes contract purchases and sales with regional utilities to help balance its power supply portfolio. The transactions can be for the purchase or sale of capacity and/or energy. These contracts vary in term from monthly to multiple years. In addition to contract transactions, daily and hourly purchases and sales are made within regional energy markets to balance HCPD's net position on an hourly basis.

In addition to its federal hydropower allocation and supply from HCPD, New Ulm Public Utilities Commission (New Ulm) relies on its own local capacity along with energy purchases from the MISO market to complete its power supply portfolio. New Ulm's owned capacity includes 51 MW of fuel oil fired combustion turbine generation and 21 MW of natural gas fired steam turbine generation.



**Figure 3: IRP Cooperative Supply-Side Resources**

Figure 3 is a plot of IRP Cooperative’s supply side resource plan, overlaid with forecasted demand for the years 2014 – 2019. Capacity available from resources can change annually due to contract sales already in place. As seen in the plot, HCPD and the IRP Cooperative have sufficient resources to meet forecasted demand in every year of the planning period. In all of these cases, short-term market purchases will be made, if necessary, for HCPD to meet both customer demand and regional reserve requirements.

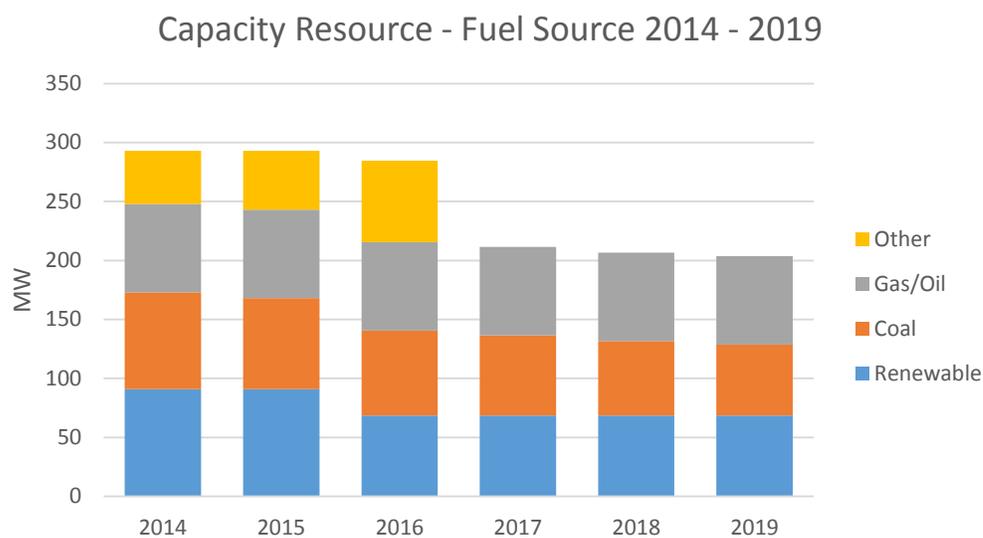


**Figure 4: IRP Cooperative Energy Resources**

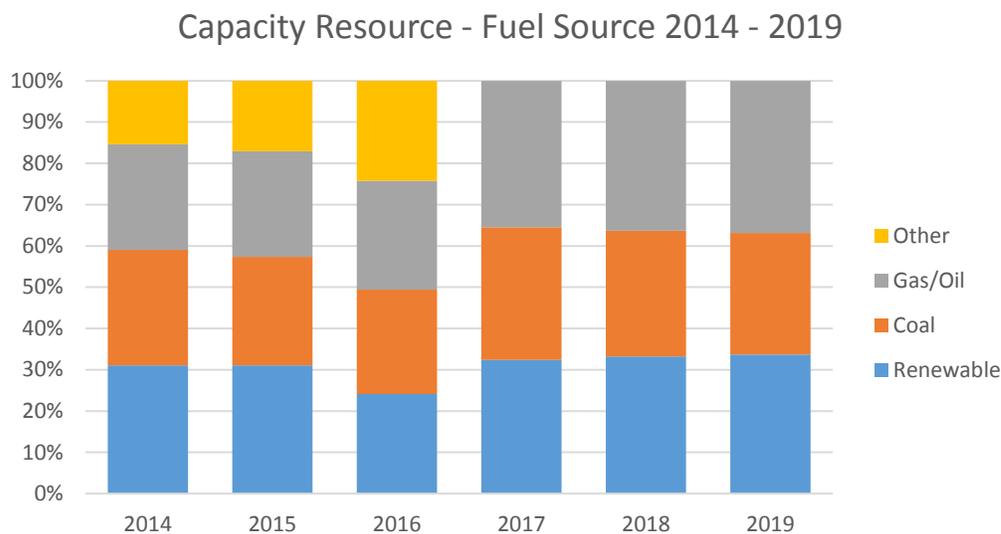
Figure 4 is a plot of the IRP Cooperative's supply side energy resource plan, overlaid with forecasted energy usage, for the years 2014 – 2019. Energy available from resources can change annually due to market dispatch of resources, scheduled maintenance outages, and contract sales already in place. As can be seen in the plot, HCPD and the IRP Cooperative have sufficient energy resources to meet customers' needs for all years in the planning period. In times when excess energy is available, it is marketed and sold in regional energy markets.

HCPD and its customers have prided themselves on being good stewards of the environment and continue to consider all adverse environmental effects of the process of generating and delivering energy to end-use customers. As part of this commitment to the environment, HCPD and its customers purchase the entire output of the Wessington Springs Wind Energy Center (WSWEC). This project contributes approximately 160,000 MWh of clean and renewable energy to HCPD's resource mix. Figure 5 is a plot that

details fuel sources as they contribute to HCPD's capacity resource mix. Figure 6 is a plot that details the same fuel source information as a percentage of HCPD's total capacity resources.



**Figure 5: Capacity Resource Mix – Fuel Type**



**Figure 6: Capacity Resource Mix – Fuel Type (%)**

The plots in Figures 5 and 6 show that as a whole the IRP Cooperative’s total renewable resources (including WAPA hydropower and WSWEC wind) equal a total capacity of 91 MW in 2014 – 2016 and 69 MW in 2017 - 2019. This reduction is due to the expiration of Marshall Municipal Utilities’ contract and the loss of their WAPA hydropower allocation in the system resource mix. The contributions of WSWEC and WAPA hydropower account for 25 – 35% of HCPD customers’ total resource mix during the planning period of 2014 - 2019. This renewable aspect of HCPD’s resource mix makes it one of the most environmentally friendly utilities in the region.

When recent resource projects, such as WSWEC and Whelan Energy Center 2 (WEC2), were evaluated, consideration was made to use renewable resources and demand management programs whenever possible. HCPD does not expect any additional resource additions in the near future (including the planning period), but expects to investigate leveraging customer demand-side management (DSM) systems currently in place to supplement supply-side resources and to meet any additional energy service needs above and beyond current resources.

## **Demand Side Resource Summary**

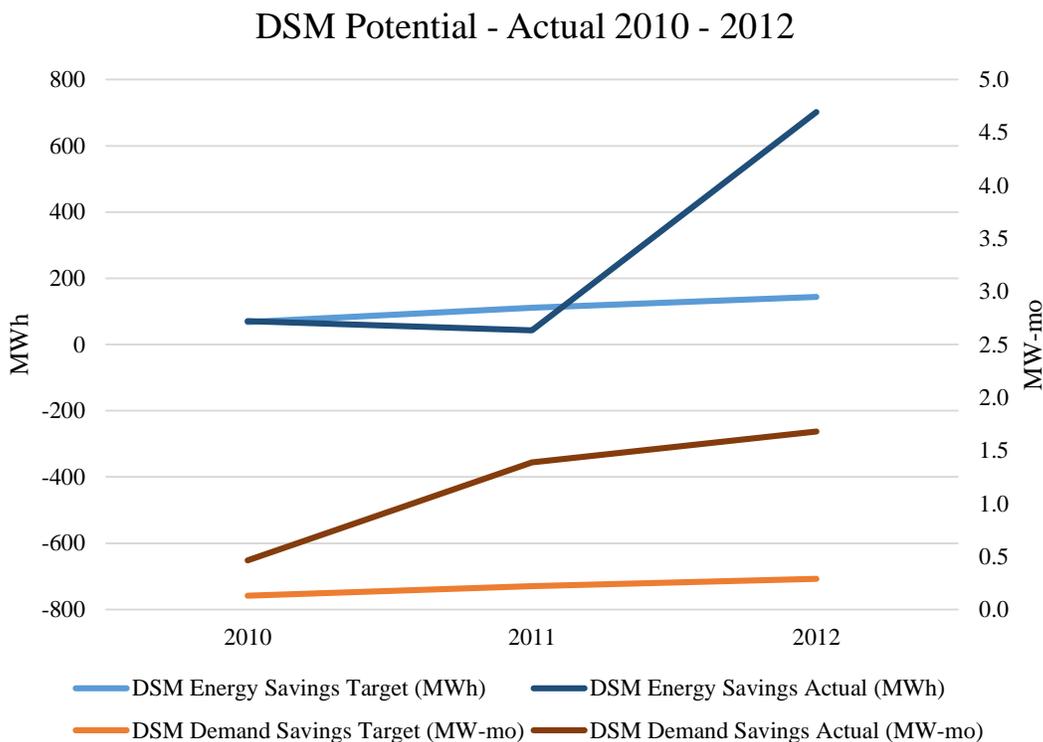
Heartland Consumers Power District and its customers have been, and continue to be, supporters and users of various types of demand side programs to promote efficient energy usage, reduce peak demand, and increase load factor. HCPD and its customers support various programs including: direct load management, energy efficient appliance and lighting rebates, energy efficiency grant opportunities, and others.

In 2008, HCPD retained a consultant to conduct a Demand Side Management (DSM) Potentials Study to help determine potential of demand side management, energy conservation and load management programs for HCPD customers. The results of the study have and will continued to be used by HCPD and its customers to help create new programs and enhance current programs to help meet the growing need for energy and energy-related services in a cost-effective, environmentally conscious manner.

In 2009, in conjunction with its customers, HCPD created the Power Forward program to facilitate a cooperative, coordinated DSM program for all of HCPD's customers. Along with cooperative planning and administration of DSM programs, Power Forward facilitates the measurement and verification of DSM programs, both cooperative and individual customer programs.

The Power Forward program is funded collectively through HCPD's rate base and thus equally funded by all customers on a pro-rata basis. Participation in individual Power Forward programs is voluntary for all customers, but based on the funding structure all customers participate monetarily. Most HCPD customers participate in some or all of the Power Forward programs.

In addition to the IRP Cooperative member's participation in HCPD's Power Forward programs, New Ulm offers a comprehensive slate of energy efficiency and education programs to its customers. Details on New Ulm's programs are included in the Action Plan.



**Figure 7: DSM Potentials Study Results vs Actual Performance**

Figure 7 is a plot that compares the results of the study to actual estimated savings realized by the IRP Cooperative members from DSM programs during the period of 2010 - 2012. The target numbers are based on the IRP Cooperative’s share of the economic potential identified in the study. Economic potential includes measures that meet technical potential requirements and pass the simple economic test of benefits outweighing costs.

As Figure 7 shows, actual results of DSM programs significantly outperformed potential savings identified in the study. This can be attributed to a number of factors, including: widespread implementation of direct load management in customer communities, implementation of certain programs that were not included in the economic potential defined in the study, and savings associated to HCPD’s energy efficiency grant program. The accuracy of estimated DSM savings has also greatly increased over the last 5 years due to increased efforts of HCPD and customers as part of the Power Forward program.

Based on the historical performance of HCPD and customer DSM programs, including Power Forward, and positive feedback from end-use customers, future DSM savings and spending targets for the IRP cooperative will be based on historical performance of current programs. Figure 8 details DSM program spending and savings targets for the IRP planning period. These targets are specific only to those customers included in the IRP cooperative.

	2014	2015	2016	2017	2018	2019
DSM Expense Target \$	\$470,000	\$470,000	\$470,000	\$470,000	\$470,000	\$470,000
DSM Demand Savings Target (MW-mo)	4.25	4.25	4.25	4.25	4.25	4.25
DSM Energy Savings Target (MWh)	3625	3625	3625	3625	3625	3625

**Figure 8: DSM Program Spending and Savings Targets**

All DSM programs administered through the Power Forward program are individually evaluated annually to determine program demand and energy savings as accurately as possible. For programs that can be directly audited, such as lighting retrofits or energy audits, program savings will be determined by a review and/or audit performed by a professional engineer, certified energy manager, or other qualified individual either on HCPD staff or independently.

For DSM programs that cannot be directly audited, such as direct load management (LM), HCPD will assist its customers in estimation and verification of energy and demand savings through other methods. These methods will include using real-time monitoring (where available) to determine the real-time effect of LM and similar systems. This data will be verified and supplemented by utilizing the Minnesota Deemed Savings Database for estimation of the effects of DSM programs, including LM systems. HCPD will work with its customers to assist in reviewing their DSM programs independent of Power Forward to determine demand and energy savings through similar methods as described above.

Each customer will be responsible for reporting their total annual DSM spending along with demand and energy savings each year. HCPD will assist customers in calculating these values as needed. HCPD will then collectivize these reported values for use in annual IRP/SCP reports that HCPD is responsible for submitting to WAPA. HCPD will also use these values to evaluate Power Forward programs annually to assess the effectiveness of individual programs and provide information to use in the enhancement and creation of programs in the future.

## Environmental Effects

Heartland Consumers Power District (HCPD) and its customers have been, and will continue to be active stewards of the environment. In operation of its generation resources and existing programs promoting energy efficiency and conservation, HCPD and its customers have demonstrated this commitment.

At Laramie River Station (LRS), which HCPD is an owner of through the Missouri Basin Power Project (MBPP), many upgrades have been implemented recently to improve the environmental impacts of the facility and increase plant efficiency. Over the past three years, major projects, including the addition of overfire air in the furnace and installation of low NO<sub>2</sub> burners, have been completed to reduce emissions of SO<sub>2</sub> and NO<sub>2</sub>. MBPP has also installed a Refined Coal project at LRS to further reduce emissions of SO<sub>2</sub>, NO<sub>2</sub>, and mercury.

Whelan Energy Center Unit 2 (WEC2) was designed, and is being operated using Best Available Control Technologies (BACT) to regulate emissions to meet all state and federal emissions requirements. WEC2's air quality control system includes an electrostatic precipitator to remove fly ash, a scrubber to remove sulfur dioxide, selective catalytic reduction (SCR) to reduce NO<sub>2</sub>, and a baghouse for additional particulate removal, as well as mercury removal controls. WEC2 is well-positioned to meet many existing and future rules pending with the Environmental Protection Agency.

HCPD and its customers have also made a commitment to developing and producing energy from renewable resources to provide a diverse and environmentally conscious resource mix. HCPD and its customers are fulfilling this commitment through their participation in the Wessington Springs Wind Energy Center (WSWEC). With the energy, and associated renewable attributes, produced by the WSWEC, HCPD and its customers currently meet and will continue to meet all current regional Renewable Energy Objectives (REO) and Renewable Portfolio Standards (RPS), including the 10% REO in South Dakota and the 25% RPS in Minnesota.

Along with the steps taken as part of its supply-side resources, HCPD and its customers are also administering existing and implementing new Demand Side Management (DSM) programs to reduce energy usage and increase the efficient use of energy. A detailed description of these programs and how they will be implemented can be found in the Demand Side Resource Summary and the Action Plan.

## **Action Plan**

Heartland Consumers Power District (HCPD) and its customers have developed the following Action Plan as a set of guidelines to assist in development of programs and operations for the next 5 years. To the extent that assumptions pertaining to resources, costs and any other pertinent information would change, HCPD and its customers will review and modify this plan accordingly

	Class	2015	2016	2017	2018	2019
<b>Economic Development</b>						
Large Load Incentive (Energy One)	C/I	CP	CP	CP	CP	CP
Intermediate Load Incentive	C/I	DP/IP	CP	CP	CP	CP
Growth Incentive	C/I	CP	CP	CP	CP	CP
Hiring Incentive	C/I	CP	CP	CP	CP	CP
Economic Development Grants	N/A	CP	CP	CP	CP	CP
Revolving Loan Fund	C/I	CP	CP	CP	CP	CP
<b>Energy Efficiency/DSM</b>						
Electric Water Heater Rebate Program	R	DP	IP	CP	CP	CP
Energy Star Partnership	R/C	CP	CP	CP	CP	CP
Energy Efficiency Education Program	R/C/I	CP	CP	CP	CP	CP
Direct Load Management Program(s)	R/C	ACP/DP	IP	CP	CP	CP
Lighting Program(s)	C/I	CP	CP	ACP	ACP	ACP
HVAC Program(s)	R/C	CP	CP	CP	CP	CP
Energy Star Appliance Program	R	CP	ACP	ACP	ACP	ACP
Motor/Compressor Program(s)	C/I	ACP/DP	IP	CP	CP	CP
LED Lighting Program	R	DP	IP	CP	CP	CP
Business Specialty Program	C/I	-	ACP/DP	IP	CP	CP
Energy Efficiency Grants	N/A	CP	CP	CP	CP	CP
New Ulm PUC Programs*	R/C/I	CP	CP	CP	CP	CP
<b>Operations</b>						
Real-time Metering System	N/A	CP	CP	CP	CP	CP
Market Operations	N/A	CP	CP	CP	CP	CP
Surplus Power Marketing	N/A	CP	CP	CP	CP	CP
Renewable/Green Energy Sales/Rate	N/A	CP	CP	CP	CP	CP

Residential	R
Commercial	C
Industrial	I

DP	Develop Program
IP	Implement Program
CP	Continue Program
ACP	Assess Current Program

\*See below for list and details of all New Ulm programs

**Figure 9: Action Plan**

## **Economic Development**

Large Load Incentive – Discounted energy only rate fixed for three years to qualified new or expanding businesses of 1MW or larger. No demand charge during incentive period.

Intermediate Load Incentive - Discounted energy only rate fixed for two to three years to qualified new or expanding businesses of .5MW up to 1MW. No demand charge during incentive period.

Growth Incentive – Equivalent of one year's worth of energy rebated over a three year period to qualifying businesses in HCPD customer communities (new or expanding retail loads only).

Hiring Incentive – One-time cash incentive for new or expanding businesses located in a HCPD customer community. Incentive amount determined by number of new jobs and wage paid per job.

Economic Development Grants – Grants provided to HCPD customers or their economic development corporations for the purpose of fostering economic growth and community development.

Revolving Loan Fund – Revolving loan fund administered by HCPD to finance business ownership and expansion, job creation and retention, and entrepreneurial enterprises.

## **Energy Efficiency/DSM**

Electric Water Heater Rebate Program – Provide incentives to residential customers for purchasing lifetime warranty electric water heaters.

Energy Star Partnership – Heartland has partnered with the national Energy Star program to promote the efficient use of electricity – particularly the purchase of Energy Star rated products.

Energy Efficiency Education Program – Heartland works to educate consumers about the benefits of energy efficiency and how to make more efficient choices. This is done through our website, print material and by partnering with our customers to promote efficiency in their communities.

Direct Load Management Programs – Provide assistance to customers in operation and monitoring individual direct load management system. Investigate future program

enhancement including coordinated load management for use as a collective HCPD resource.

Lighting Program(s) – Provide incentives to commercial and industrial businesses for upgrading lighting to more efficient fixtures. A variety of prescriptive rebates are available as well as custom incentives.

HVAC Program – Provide incentives for purchasing an Energy Star qualified air-source heat pump, geothermal heat pump or air conditioner.

Energy Star Appliance Program – Provide residential customers incentives for upgrading to Energy Star appliances.

Motor/Compressor Program – Provide rebates to commercial and industrial customers for upgrading certain motors and compressors to more efficient models.

LED Lighting Program – Provide incentives to residential customers for purchasing Energy Star qualified LED lights.

Business Specialty Program – Provide incentives to businesses energy efficiency improvements other than outlined in our prescriptive programs. Work will be done to quantify energy savings achieved from improvements and rebates based on those savings.

Energy Efficiency Grants – Grants are administered to Heartland customers to improve efficiencies at city facilities.

### **Energy Efficiency/DSM – New Ulm Public Utilities Commission Programs**

Air Conditioner Rebate (NU) – Provide incentive for customers purchasing energy efficient cooling equipment. Includes central air, mini-split, and ductless systems.

Air Conditioner Cleaning (NU) – Provide discount to customers who have their air conditioner inspected/serviced for efficient operation.

Furnace Cleaning Rebate (NU) – Provide discount to customers who have their furnace or boiler inspected/serviced for efficient operation.

Energy Star Appliance Rebate (NU) – Provide incentive for customers purchasing Energy Star certified appliances. Includes clothes washers, dishwashers, refrigerators, freezers, room air conditioners, and refrigerator/freezer decommission.

Furnace Rebate (NU) – Provide incentive for customers purchasing high efficiency furnaces or boilers. Incentive also offered for variable speed motor.

Programmable Thermostat (NU) – Provide incentive for customers purchasing programmable thermostats.

Residential Lighting Rebate (NU) – Provide incentive for customers purchasing Energy Star qualified lighting. Includes CFL and LED bulbs.

LED Holiday Light Rebate (NU) – Provide incentive for customers purchasing LED lighting during the months of October through December.

Releaf Tree Program (NU) – Provide incentive for customers planting tree for shade or windbreak purposes. Trees must provide an energy savings.

Education Grant (NU) – Provide funding for local organizations to facilitate education on energy efficiency or conservation topics.

Residential Home Energy Audit (NU) – Provide residential energy audits to identify deficiencies in energy performance within the home.

Gas Water Heater Rebate (NU) – Provide incentive to customers who purchase Energy Star qualified natural gas water heaters.

Energy Audit (NU) – Provide rebate for business customers who conduct an energy audit using an independent firm.

High Efficiency Lighting (NU) – Provide incentive for customers who install efficient lighting and or lighting sensors.

Motor & Variable Speed Drive Program (NU) – Provide incentive for customers who install high efficiency motors or variable speed drives.

Custom Rebate (NU) – Provide incentive based on kWh savings per year of an implemented project or measure. To be used for projects that do not fall under currently available rebates.

Solar Electric Rebate (NU) – Provide incentive for customers who install solar

photovoltaic panels. Panels must meet certain conditions to qualify.

## **Operations**

Real-time Metering System – Monitor customer loads and resource production in real-time to assist in market operations, forecasts, and power supply planning activities.

Market Operations – Perform all hourly, daily, monthly, and annual tasks associated with operating within local Regional Transmission Organizations (including MISO and SPP) and the associated organized energy markets.

Surplus Power Marketing – Market excess resource on a short- and long-term basis to optimize power supply and ensure lowest costs possible to customers.

Renewable/Green Energy Sales/Rate – Provide energy and renewable attributes for purchase by wholesale customers at a specific renewable/green energy rate.

Along with the programs and processes described in the Figure 9 Action Plan, HCPD and its customers plan on accomplishing the following tasks in all years of the plan.

- HCPD will assist its customers with meeting all reporting requirements of regional, state, and federal entities.
- HCPD will assist its customers with any studies needed to assess power delivery, infrastructure upgrades and additions, and other areas of need in their electric utilities as appropriate.
- HCPD will assist its customers with meeting all regional, state, and national renewable energy and energy conservation goals and requirements.

HCPD and its customers will review the Action Plan on an annual basis to assess the performance and effectiveness of each program/project. The DSM/EE programs will be assessed based on estimated energy impacts and calculations will be done to estimate the financial effectiveness of each program. Each program will also be evaluated based on actual estimated energy savings versus projected energy savings. HCPD and its customers will then reassess the overall Action Plan and make decisions on changes to existing programs and addition or subtraction of new programs.

## Public Participation

While developing the Integrated Resource Plan, Heartland Consumers Power District and its customers have taken special care to assure ample opportunity for public participation was provided throughout the process. The following is a list of the steps taken to provide the opportunity for public participation in the IRP process:

- Multiple correspondence sent to HCPD customers defining the IRP, its timeline and process.
- A newspaper advertisement, example seen below, was placed in the following publications to advertise for written comments pertaining to the IRP process in all IRP Cooperative member communities: the Madison Daily Leader, the Argus Leader (Sioux Falls), the Volga Tribune, Miller Press, and the New Ulm Journal.
- Responses received were reviewed and considered in development of the IRP plan. Copies of responses were sent to the individual IRP customers for their review. Copies of responses can be seen in Appendix D.
- Official agenda notice of IRP discussions and formal Commission or Council action “approval” was noted in all established legal publications.

## Example of Newspaper Advertisement Seeking Public Comment



# NOTICE OF SOLICITATION OF WRITTEN COMMENTS

NOTICE is hereby given that Heartland Consumers Power District, on behalf of the Northern Electric Cooperative, is requesting written comments from the Customers of Northern Electric Cooperative.

Comments can relate to:

- Current electric conservation measures that are being used by Northern Electric Cooperative
- Both power supply and energy conservation options for meeting the future electric needs of Northern Electric Cooperative
- Offer ideas and promote the efficient use of electricity by Northern Electric Cooperative

This public solicitation for written comments is being conducted to comply with a federal regulation, which requires Northern Electric Cooperative to seek public participation regarding the implementation of an Integrated Resource Plan (IRP). Northern Electric Cooperative must adopt an IRP in order to continue to receive its allocation of electric hydropower from Western Area Power Administration. Heartland Consumers Power District, one of Northern Electric Cooperative's power suppliers, is assisting with this project and will accept comments for 10 days following this notice.

Please send written comments to Heartland Consumers Power District, PO Box 248, Madison, SD 57042; Attn: Adam Graff. Heartland will also be accepting comments electronically via the email address, [IRP@hcpd.com](mailto:IRP@hcpd.com).

## Appendix A: Customer Information

City of Madison, South Dakota  
116 W. Center St.  
P.O. Box 308  
Madison, SD 57042-0308

Ph: (605) 256-7521  
Email: [utilites@cityofmadisonsd.com](mailto:utilites@cityofmadisonsd.com)  
Contact: Dennis Poppen, Electric Supt.

City of Volga, South Dakota  
226 Kasan Ave.  
P.O. Box 217  
Volga, SD 57071-0217

Ph: (605) 627-9101  
Email: [brent@volgacity.com](mailto:brent@volgacity.com)  
Contact: Brent Brown, Light Supt.

New Ulm Public Utilities  
310 First North St.  
New Ulm, MN 56073

Ph: (507) 359-8264  
Email: [jim.mccabe@ci.new-ulm.mn.us](mailto:jim.mccabe@ci.new-ulm.mn.us)  
Contact: Jim McCabe, Utility Director

City of Sioux Falls, South Dakota  
224 W. 9<sup>th</sup> St.  
P.O. Box 7402  
Sioux Falls, SD 57117-7402

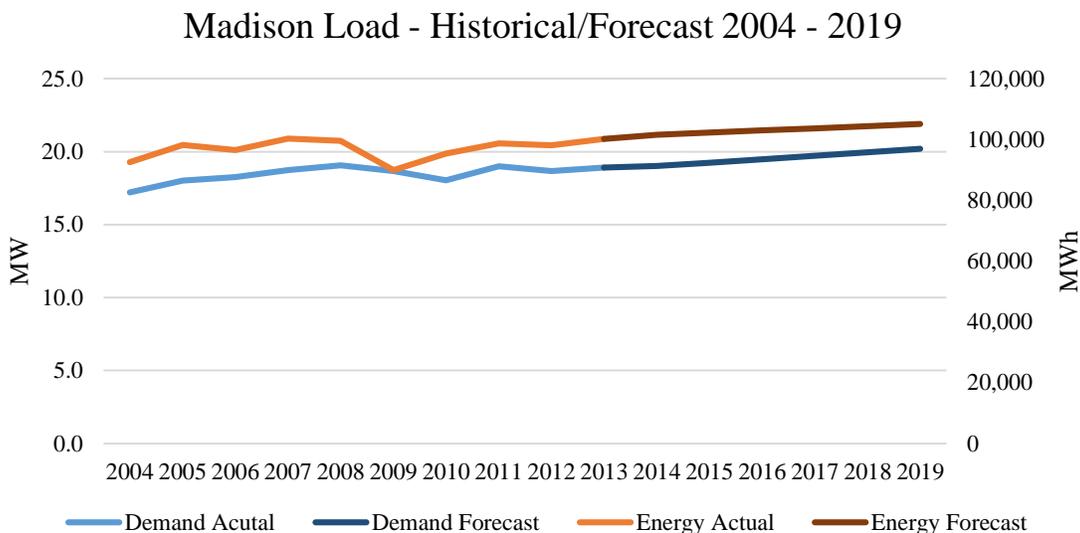
Ph: (605) 367-8698  
Email: [tlubbers@siouxfalls.org](mailto:tlubbers@siouxfalls.org)  
Contact: Trent Lubbers, Utility  
Operations Administrator

City of Miller, South Dakota  
120 W. 2<sup>nd</sup> St.  
Miller, SD 57362

Ph: (605) 853-2705  
Email: [bill.lewellen@cityofmiller.com](mailto:bill.lewellen@cityofmiller.com)  
Contact: Bill Lewellen, Electric Supt.

## **Appendix B: Customer Load Information – Historical/Forecast**

**Madison, SD – Load History/Forecast**



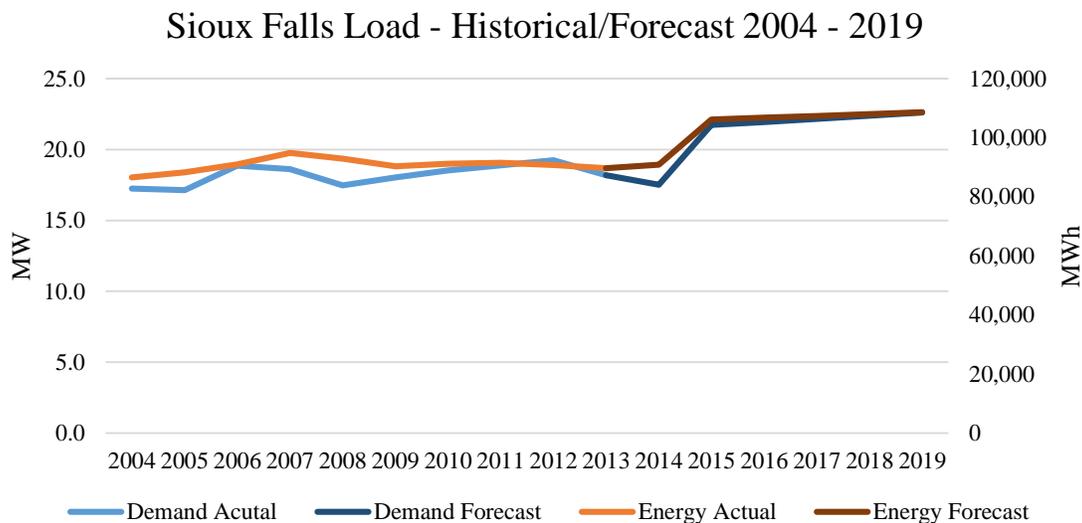
**Madison Load - Historical 2004 - 2013**

	Demand (MW)	Energy (MWh)
2004	17.2	92,541
2005	18.0	98,186
2006	18.3	96,522
2007	18.7	100,309
2008	19.1	99,575
2009	18.7	89,943
2010	18.0	95,426
2011	19.0	98,702
2012	18.7	98,066
2013	18.9	100,227

**Madison Load - Forecast 2014 - 2019**

	Demand (MW)	Energy (MWh)
2014	19.0	101,600
2015	19.2	102,291
2016	19.5	102,987
2017	19.7	103,687
2018	19.9	104,392
2019	20.2	105,102

**Sioux Falls, SD – Load History/Forecast**



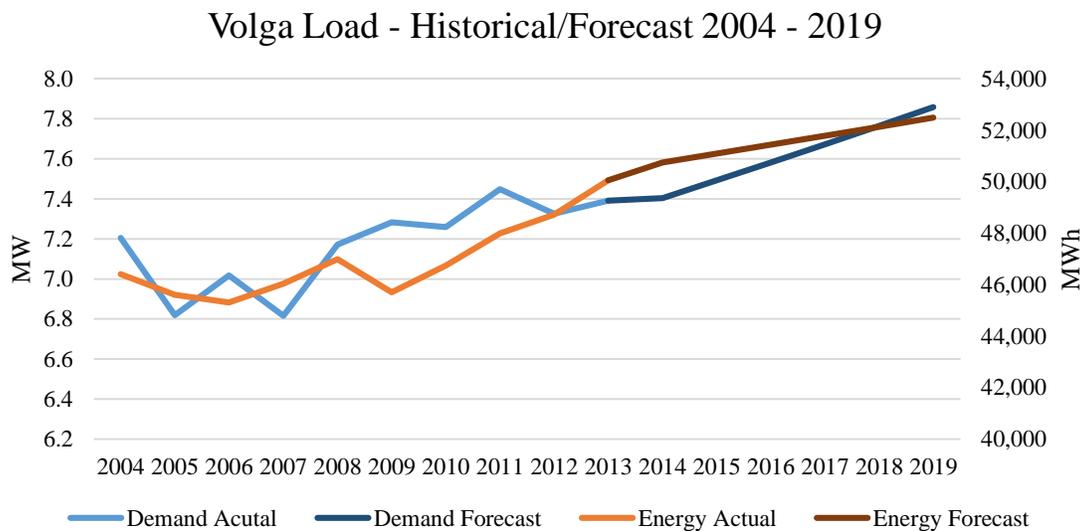
**Sioux Falls Load - Historical 2004 - 2013**

	<b>Demand (MW)</b>	<b>Energy (MWh)</b>
<b>2004</b>	17.2	86,532
<b>2005</b>	17.1	88,284
<b>2006</b>	18.9	90,999
<b>2007</b>	18.6	94,826
<b>2008</b>	17.5	92,957
<b>2009</b>	18.0	90,307
<b>2010</b>	18.5	91,238
<b>2011</b>	18.9	91,515
<b>2012</b>	19.2	90,826
<b>2013</b>	18.2	89,678

**Sioux Falls Load - Forecast 2014 - 2019**

	<b>Demand (MW)</b>	<b>Energy (MWh)</b>
<b>2014</b>	17.5	90,913
<b>2015</b>	21.7	106,145
<b>2016</b>	22.0	106,810
<b>2017</b>	22.2	107,394
<b>2018</b>	22.4	108,025
<b>2019</b>	22.6	108,660

## Volga, SD – Load History/Forecast



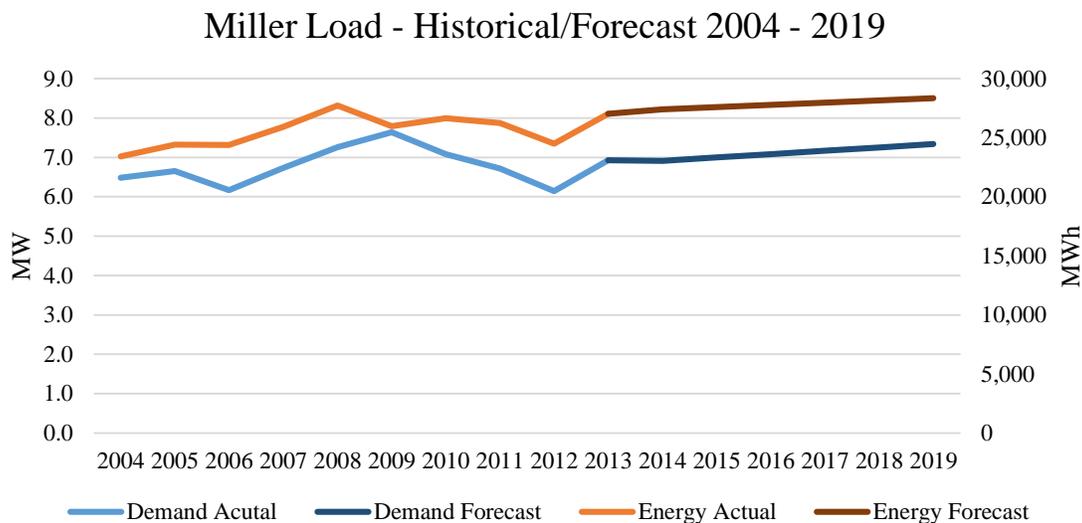
**Volga Load - Historical 2004 - 2013**

	Demand (MW)	Energy (MWh)
<b>2004</b>	7.2	46,409
<b>2005</b>	6.8	45,601
<b>2006</b>	7.0	45,310
<b>2007</b>	6.8	46,034
<b>2008</b>	7.2	46,986
<b>2009</b>	7.3	45,707
<b>2010</b>	7.3	46,741
<b>2011</b>	7.4	47,996
<b>2012</b>	7.3	48,715
<b>2013</b>	7.4	50,060

**Volga Load - Forecast 2014 - 2019**

	Demand (MW)	Energy (MWh)
<b>2014</b>	7.4	50,742
<b>2015</b>	7.5	51,088
<b>2016</b>	7.6	51,435
<b>2017</b>	7.7	51,785
<b>2018</b>	7.8	52,137
<b>2019</b>	7.9	52,491

**Miller, SD – Load History/Forecast**



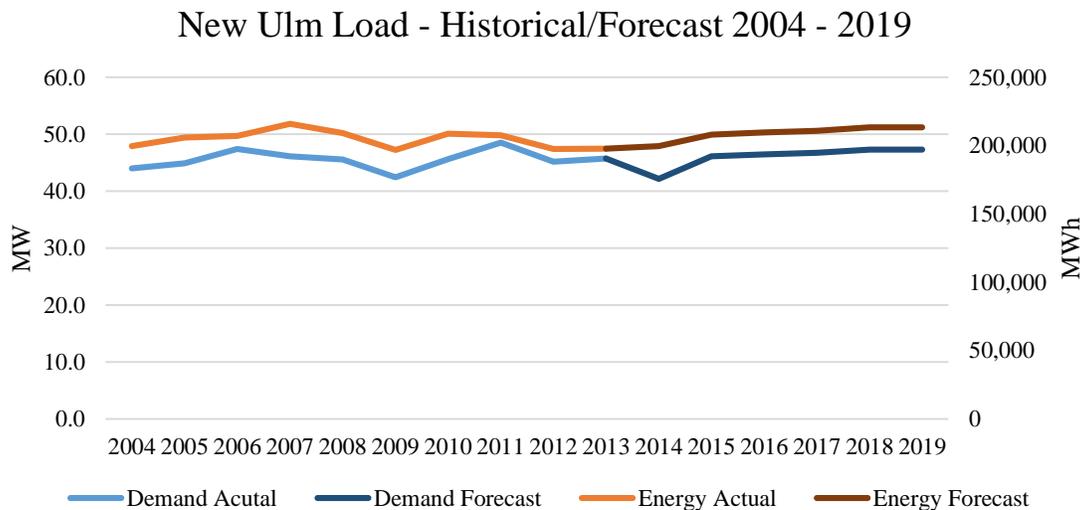
**Miller Load - Historical 2004 - 2013**

	Demand (MW)	Energy (MWh)
<b>2004</b>	6.5	23,408
<b>2005</b>	6.7	24,407
<b>2006</b>	6.2	24,400
<b>2007</b>	6.7	25,934
<b>2008</b>	7.3	27,731
<b>2009</b>	7.6	25,987
<b>2010</b>	7.1	26,642
<b>2011</b>	6.7	26,251
<b>2012</b>	6.1	24,489
<b>2013</b>	6.9	27,034

**Miller Load - Forecast 2014 - 2019**

	Demand (MW)	Energy (MWh)
<b>2014</b>	6.9	27,398
<b>2015</b>	7.0	27,584
<b>2016</b>	7.1	27,772
<b>2017</b>	7.2	27,961
<b>2018</b>	7.3	28,151
<b>2019</b>	7.3	28,342

## New Ulm, MN – Load History/Forecast



**New Ulm Load - Historical 2004 - 2013**

	Demand (MW)	Energy (MWh)
<b>2004</b>	44.0	199,557
<b>2005</b>	44.9	205,976
<b>2006</b>	47.4	207,120
<b>2007</b>	46.1	216,070
<b>2008</b>	45.6	209,314
<b>2009</b>	42.5	196,800
<b>2010</b>	45.7	208,695
<b>2011</b>	48.5	207,497
<b>2012</b>	45.2	197,546
<b>2013</b>	45.7	197,866

**New Ulm Load - Forecast 2014 - 2019**

	Demand (MW)	Energy (MWh)
<b>2014</b>	42.2	199,619
<b>2015</b>	46.1	208,020
<b>2016</b>	46.5	209,691
<b>2017</b>	46.7	210,829
<b>2018</b>	47.3	213,408
<b>2019</b>	47.3	213,310

## **Appendix C: Governing Body Approvals**

Appendix C contains copies of the resolutions/minutes of the IRP Cooperative Governing Bodies that document the passage of approval for the Integrated Resource Plan and confirmation that all requirements of the IRP process have been met.

**RESOLUTION NO. 2014-01**

**WHEREAS**, the Energy Policy Act of 1992 requires the Heartland Consumers Power District (Heartland) customers to file and submit an Integrated Resource Plan (IRP) every 5 years, and

**WHEREAS**, the Energy Planning and Management Program, paragraph (c) of section 2 of 905.12 submittal procedures of part 905 of the Code of Federal Regulations authorizes the formation of IRP cooperatives, and

**WHEREAS**, Heartland and the City of Madison, SD; City of Miller, SD; City of Sioux Falls, SD; and the City of Volga, SD, have formed a IRP cooperative for the purpose of submitting an IRP, and

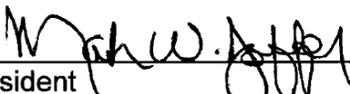
**WHEREAS**, Heartland and the IRP cooperative members above named have developed the IRP under the revised guidelines of the Energy Planning and Management Program, and

**WHEREAS**, the Heartland Board of Directors has reviewed the 2014 IRP prepared by the cooperative, and

**WHEREAS**, Heartland desires to support the IRP, but only to the extent that the IRP is not inconsistent with the terms and conditions of the Power Sales Agreements between Heartland and its customers.

**NOW, THEREFORE, BE IT RESOLVED**, that the IRP cooperative IRP dated June 2014 be, and it is hereby approved and adopted.

Dated at Madison, SD, this 13<sup>th</sup> day of May, 2014.

vice  President  
Heartland Consumers Power District

**CERTIFICATE**

I, Kay Anderson, being Secretary of the HEARTLAND CONSUMERS POWER DISTRICT, do hereby certify that the foregoing Resolution was adopted by the Board of Directors of the HEARTLAND CONSUMERS POWER DISTRICT at its regular meeting on May 13, 2014, and that said Resolution has not been rescinded, and remains in full force and effect.

  
Secretary  
Heartland Consumers Power District

**CITY OF MADISON  
BOARD OF COMMISSIONERS PROCEEDINGS  
MADISON, SD 57042**

9 June  
2014  
Regular

The Board of Commissioners of the City of Madison met in regular session the 9<sup>th</sup> day of June with the following members present on roll call: Mayor Lindsay and Commissioners Abraham, Corbin, Johnson and Waldner.

Motion by Commissioner Abraham to approve and publish the minutes from June 2<sup>nd</sup>, second by Commissioner Corbin. Motion carried unanimously.

Motion by Commissioner Waldner to approve the agenda for June 9<sup>th</sup>, second by Commissioner Corbin. Motion carried unanimously.

Ann Hyland of Heartland Consumers Power District reviewed the latest Integrated Resource Plan as submitted on behalf of its customers in Madison, Volga, Sioux Falls and Miller. Said plan is updated every five years and reviews the load forecast, supply and demand side resource summaries, environmental effects and an action plan. Motion by Commissioner Abraham to approve the Integrated Resource Plan, second by Commissioner Waldner. Motion carried unanimously.

Motion by Commissioner Corbin to acknowledge the May Building Permit Report, second by Commissioner Waldner. Motion carried unanimously.

Ed Fiegen and Todd Laube of Roosevelt Avenue were present to ask for reconsideration of the two sidewalk variance appeals acted upon the previous week. Attorney David Jencks outlined the necessary procedure to allow their requested reconsideration. After much discussion of existing landscaping, aesthetic and recreational purposes, snow removal issues, past variance approvals and the ordinance reference to extraordinary hardship, motion made by Commissioner Corbin to reconsider the appeals for sidewalk variances. Motion seconded by Commissioner Johnson. Motion carried with Commissioner Abraham casting a Nay vote. Further discussion entailed, until Commissioner Waldner made the motion to follow the Sidewalk Committee's recommended approval of the variances, with sidewalk to be placed three feet behind the back of the curb as initially requested. Motion seconded by Commissioner Johnson. Motion carried with Commissioners Abraham and Corbin casting Nay votes.

Motion by Commissioner Abraham to authorize the Mayor to sign the 2014-15 Fuel Agreement with Lake County, which sets this year's administrative fee at \$.14/gallon, second by Commissioner Waldner. Motion carried unanimously.

Motion by Commissioner Johnson to authorize the Mayor to sign the Employer's Subscription Agreement with the Health Pool of South Dakota to provide group health insurance for plan year July 1, 2014 through June 30, 2015. As recommended by the employee Insurance Committee, the plan deductible will move from \$250.00 to \$1,000.00. Motion seconded by Commissioner Abraham. Motion carried unanimously.

Motion by Commissioner Waldner to approve Change Order #5 – Water Treatment Plant Improvements 2013. Said change order, in the amount of \$26,366.00, adds a gate valve and valve box, replaces filter

effluent pipe and replaces two air release valves. The project has exceeded the \$3,500,000.00 limit so this change and future changes will be funded by Well Treatment Reserves. Motion seconded by Commissioner Abraham. Motion carried unanimously.

Motion by Commissioner Corbin to adopt Resolution No. 2014-12 – Dedicate City Owned Property as Public Right of Way, second by Commissioner Waldner. Motion carried unanimously.

**RESOLUTION NO. 2014-12**

**A RESOLUTION TO DEDICATE CITY OWNED PROPERTY AS PUBLIC RIGHT OF WAY**

WHEREAS, the City of Madison owns certain real property within the City limits; and

WHEREAS, the City Commission deems it to be in the best interests of the City to dedicate the property as public right of way to assure that the appropriate right of way width has been provided or will be provisionally provided along Second Street North from Highland Avenue to Washington Avenue by this instrument;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF MADISON, SOUTH DAKOTA:

That the City hereby dedicates the following real property as public right of way:

Lot 4 and the East 14 Feet of Lot 5 thereof, in Block 2 of Town Proprietor's First Addition to Madison, Lake County, South Dakota

Lot 7 and the East 20 Feet of Lot 8 in Block 1 of Town Proprietor's First Addition to Madison, Lake County, South Dakota

Lot 18, the East 14 Feet of Lot 19, all in Block 3 of Town Proprietor's First Addition to Madison, Lake County, South Dakota

The West 12 and Three-tenths Feet of Lot 24, all of Lot 25, and the East 3 and Three-tenths Feet of Lot 26, all in Block 3 of Town Proprietor's First Addition to Madison, Lake County, South Dakota

The West 14.45 Feet of Lot 10, all of Lot 11, and the East 14 Feet of Lot 12 in Block 3 of Town Proprietor's First Addition to Madison, Lake County, South Dakota

Dated this 9<sup>th</sup> day of June, 2014.

CITY OF MADISON

/s/Roy Lindsay, Jr.  
Mayor

ATTEST: /s/Jennifer Eimers  
Finance Officer

Motion by Commissioner Corbin to appoint Jordan Youngberg to the Water Advisory Committee, second by Commissioner Johnson. Motion carried unanimously.

Motion by Commissioner Abraham to approve the following bills for June:

Bahr/Francis Insurance 69.75; Bergheim/Sue Refund 55.00; Bob's Electric Inc Lamp 36.82; Border States Electric Supply Supplies 1,959.75; Borns Group Utility Billing 1,752.31; Butler Machinery Co Parts 45.50; Campbell Supply Supplies 306.28; Carquest of Madison Parts 55.63; Cecil Plumbing & Heating Repair 103.06; Christiansen Complete Water Salt 421.05; Classic Corner Fuel 1,387.47; Coca Cola Bottling Co Drinks 96.00; Cole's Petroleum Inc Fuel 13,831.03; Colonial Research Chem Corp Supplies 280.19; Comes/Chad A Reimb 26.48; Community Welcome Service Advertising 15.00; Craig's Welding Service Metal 27.00; D&T Ventures LLC Support 350.00; Dakota State University Repair 654.65; Dakota Supply Group Parts 11,750.39; Department of Revenue Testing 117.00; DPC Industries Chemicals 465.20; Fastenal Company Supplies 40.18; Fitzgerald/Barb Insurance 100.00; Fox/Don Insurance 69.75; Graybar Electric Company Supplies 2,991.46; Great Northern Environmental Parts 1,885.89; HD Supply Waterworks Parts 1,664.00; Heartland Consumers Power Dist Power 206,454.04; Heiman Fire Equip Inc Inspections 278.00; Heyer/Bill Insurance 100.00; Hillyard Floor Care Supply Supplies 528.95; Infotech Solutions LLC Maint 2,047.00; Irby Tool Co/Stuart C Bracket 200.15; Jones Ace Hardware Supplies 85.65; Kolorworks Supplies 85.97; Krug Products Inc Parts 83.73; Lake County International Blade 175.14; Lake County Register of Deeds Easements 510.00; Lake County Treasurer Fuel 289.52; Lake News/The Ad 845.00; Lake Veterinary Clinic Frontline 46.00; Lemme/Wayne Insurance 69.75; Lewis Drug Stores Supplies 350.52; Lien & Sons Inc/Pete Chemicals 4,466.11; Loopy's Pins 5.00; Madison Daily Leader Publications 415.83; Madison Lawn Care Lawn Aeration 419.00; Madison Nursery Plants 39.95; Matheson Tri-Gas Inc Welding Cylinder 46.08; Mikel/Jerry Insurance 162.00; Neve's Uniforms Firefighter Badges 701.44; Newton Manufacturing Co Decals 226.47; Northern States Supply Inc Tools 96.85; Office Peeps Inc Supplies 172.39; Petri/Carol Insurance 121.68; PKG Contracting Inc WTP #11 74,120.00; Pointguard Controller 2,040.00; Power Promotions T-shirts 1,527.21; Pro-Build Marking 11.98; Resykle Iron 47.60; Riley/Charles Insurance 69.75; Silva/Connie Insurance 100.00; Sioux Valley Energy Utilities 47.00; Sirchie Finger Print Labs Supplies 140.54; Specter Support 395.00; Sturdevant's Auto Parts Supplies 20.97; Sunshine Foods Groceries 322.64; Timmer Supply Vent 5.96; Toshiba Financial Services Copier 551.80; Walter/Aaron Reimb 13.68; Wegener/Dave Reimb 58.24; WESCO Distribution Inc Primary Wire 16,020.00; WOW Business Billing 2,263.33.

Motion for approval of June bills was duly seconded by Commissioner Waldner. Motion carried unanimously.

Motion by Commissioner Waldner to ratify the following bills for June:

Central United Life Insurance 96.44; City of Madison-Flex One Deduction 2,529.38; Office of Child Support Deduction 259.39; SD Retirement System Retirement 15,076.10; SDSRP Retirement 2,843.00.

Motion for ratification of June bills was duly seconded by Commissioner Johnson. Motion carried unanimously.

Motion by Commissioner Abraham to approve the following personnel: Grant Lanning \$17.00/hour, Kelsey Dawson \$7.75/hour and \$10.50/hour, Brenna Johnson \$7.50/hour, Emily Weatherill \$7.50/hour,

second by Commissioner Waldner. Motion carried unanimously.

Motion by Commissioner Johnson to adjourn, second by Commissioner Abraham. Motion carried unanimously.

The Board of Commissioners adjourned at 6:27pm.

/s/Jennifer Eimers  
Finance Officer

RESOLUTION NO. 64-14

A RESOLUTION APPROVING THE COOPERATIVE'S INTEGRATED RESOURCE PLAN ("IRP") AS REQUIRED BY THE ENERGY POLICY ACT OF 1992.

WHEREAS, the Energy Policy Act of 1992 requires the City of Sioux Falls, SD, (Sioux Falls) to file and submit an Integrated Resource Plan (IRP) every five years; and

WHEREAS, the Energy Planning and Management Program, Paragraph (c) of Section 2 of 905.12 submittal procedures of part 905 of the Code of Federal Regulations authorizes the formation or IRP cooperatives, and

WHEREAS, the Energy Planning and Management Program, paragraph (c) of section 2 of 905.12 submittal procedures of part 905 of the Code of Federal Regulations authorizes the formation of IRP cooperatives, and

WHEREAS, Sioux Falls and the Heartland Consumers Power District; and the City of Madison, SD; and the City of Miller, SD; and the City of Volga, SD, have formed a IRP cooperative, and

WHEREAS, the City of Sioux Falls, SD and the IRP cooperative members have developed the IRP under the revised guidelines of the Energy Planning and Management Program, and

WHEREAS, the Sioux Falls City Council has reviewed the 2014 IRP prepared by the cooperative, and

WHEREAS, Sioux Falls desires to support the IRP, but only to the extent that the IRP is not inconsistent with the terms and conditions of the Power Sales Agreements between Sioux Falls and its suppliers.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY OF SIOUX FALLS, SD:

That the Cooperative's IRP reference above be and it hereby is approved and adopted.

Date adopted: 06/03/14 .

*[Handwritten signature in blue ink]*

Mayor



ATTEST:  
*[Handwritten signature]*  
City Clerk

**RESOLUTION NO. 2014-28****RESOLUTION APPROVING COOPERATIVE INTEGRATED RESOURCE PLAN**

**WHEREAS**, the Energy Policy Act of 1992 requires the City of Volga, SD to file and submit an Integrated Resource Plan (IRP) every 5 years, and

**WHEREAS**, the Energy Planning and Management Program, paragraph (c) of section 2 of 905.12 submittal procedures of part 905 of the Code of Federal Regulations authorizes the formation of IRP cooperatives, and

**WHEREAS**, Volga and the Heartland Consumers Power District ; and the City of Madison, SD; City of Miller, SD; and the City of Sioux Falls, SD, have formed a IRP cooperative for the purpose of submitting an IRP, and

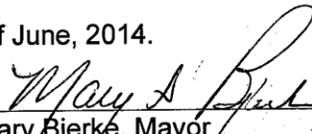
**WHEREAS**, Akron and the IRP cooperative members above named have developed the IRP under the revised guidelines of the Energy Planning and Management Program, and

**WHEREAS**, the Volga City Council has reviewed the 2014 IRP prepared by the cooperative, and

**WHEREAS**, Volga desires to support the IRP, but only to the extent that the IRP is not inconsistent with the terms and conditions of the Power Sales Agreements between Volga and its suppliers.

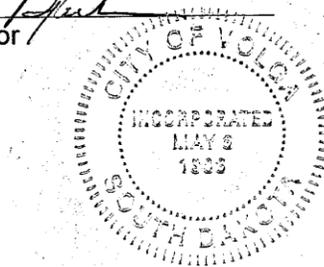
**NOW, THEREFORE, BE IT RESOLVED**, that the cooperative IRP dated June 2014 be, and it is hereby approved and adopted.

Passed and approved this 2<sup>nd</sup> day of June, 2014.

  
Mary Bjerke, Mayor

Attest:

  
Nicole Rawden, Finance Officer



**UNAPPROVED MINUTES  
CITY OF MILLER  
CITY COUNCIL MEETING  
JUNE 2, 2014**

The City Council met in regular session at City Hall at 7:00 p.m. on Monday, June 2, 2014.

**MEMBERS PRESENT:** Mayor Ron Blachford, Aldermen Tony Rangel, Jim Odegaard, Joe Zeller, and Tom Winsell. Alderwomen Mary Johnson and Kristin Hargens.

**CALL TO ORDER:** Mayor Blachford called the meeting to order.

Pledge of Allegiance was said by all present.

**MINUTES:** Motion by Alderman Zeller, seconded by Alderwoman Johnson to approve the minutes for the regular meeting held on May 19, 2014. All members voted aye. Motion carried.

**AGENDA:** Motion by Alderman Odegaard, seconded by Alderwoman Hargens to approve the agenda. All members voted aye. Motion carried.

**APPROVAL OF BILLS:** Our auditor, Emily Schaefer with KBA, recommends that we approve bills at every meeting. Motion by Alderman Zeller, seconded by Alderwoman Johnson to approve the bills. All members voted aye. Motion carried.

**PUBLIC INPUT**

Mike Mitchell was present to state that there is an old trailer house on his property that he would like to have removed. He cannot get a removal permit from the Hand County Treasurer because he does not have a title. The title was never transferred to his uncle, Steve Wellner, and the current owner is deceased. The council will look into what he can do to proceed with removing the trailer.

Parents of swim club members were present with concerns about when the pool would open. James Bonebright explained that the winter cold was very hard on the pool and there were substantial cracks that needed repaired making it take longer to prepare the pool. Neighboring cities are also not open yet. The parents asked if they could start fundraising for a new pool.

Attorney Clay Anderson was present. He is in the process of moving back to Miller and wanted to introduce himself.

### **OLD BUSINESS**

**Dilapidated Houses:** We have received notification from most of the home owners that received letters regarding their houses. The majority will have the houses removed this summer. A few have said that they will get the property in living condition again.

**One Way Alley:** It was recommended by the Safety Committee that the alley behind Quoin bank be a one way going from north to south. A decision will be made at the next meeting.

### **NEW BUSINESS**

**Katie Eschenbaum – Fireworks Permit:** Motion by Alderwoman Johnson, seconded by Alderman Rangel to approve the Fireworks Permit for July 4, 2014, presented by Katie Eschenbaum on behalf of C & C. All members voted aye. Motion carried.

**Helms & Associates Pay Request:** Motion by Alderman Rangel, seconded by Alderman Odegaard to approve a pay request from Helms & Associates for \$8,188.20 for the airport runway design. All members voted aye. Motion carried.

**Airport Expansion Land Exchange:** Motion by Alderman Zeller seconded by Alderman Odegaard to do a land exchange to purchase additional airport property, have it appraised by the DOT, and have it reimbursed 95% through the Airport Expansion Grant. This process could take six to eight months. All members voted aye. Motion carried.

**Tigh Rombough – No Building Permit:** Motion by Alderman Rangel, seconded by Alderwoman Hargens to have a letter sent to Tigh Rombough to remove a structure in his front yard as it violates Ordinances #644 and #651. All members voted aye. Motion carried.

**Summer Employee Wages:** Motion by Alderman Odegaard, seconded by Alderwoman Johnson to approve the following wages for summer employees:

Park Manager	Jasper Shaw	12.00/hour
Pool Manager	Amanda Taylor	15.00/hour
Lifeguards	Cassie Beckett	7.83/hour
	Jeremy Coss	7.83/hour
	Kirstyn Fiala	7.83/hour
	Jacob Heezen	7.25/hour
	Christina Koeck	7.54/hour

	Joel Pedersen	7.54/hour
	Lucas Simpson	7.25/hour
	Emma Steers	7.54/hour
	Trey Waldrop	7.25/hour
	Shay Werdel	7.25/hour
Street	Caitlynd Krosch	7.25/hour
	Brady Coss	7.25/hour
Ballpark	Marisa Blackwell	8.70/hour
	Mallory Fischer	8.12/hour
Park	Aaron Zeller	8.41/hour

All members voted aye. Motion carried.

**Public Hearings – Family Way Restaurant, LLC – Malt Beverage License; Rangel – Variance; Harvey – Variance:** Motion by Alderwoman Hargens, seconded by Alderman Odegaard to approve the license application from Family Way Restaurant, LLC for Malt Beverage and Wine as well as Sunday sales. Roll call vote: Alderman Rangel – aye, Alderman Odegaard – aye, Alderman Zeller – aye, Alderwoman Johnson – aye, Alderman Winsell – aye, Alderwoman Hargens - aye. Motion carried. Motion by Alderwoman Hargens, seconded by Alderwoman Johnson to adjourn as the Common Council and reconvene as the Board of Adjustments at 8:04 p.m. for a public hearing. All members voted aye. Motion carried. Motion by Alderman Zeller, seconded by Alderman Rangel to approve a variance for Roberta Harvey to build a garage beyond the allowed lot lines. Roll call vote: Alderman Rangel – aye, Alderman Odegaard – aye, Alderman Zeller – aye, Alderwoman Johnson – aye, Alderman Winsell – aye, Alderwoman Hargens – aye. Motion carried. Motion by Alderwoman Hargens, seconded by Alderman Odegaard to approve a variance for Anthony Rangel to build a garage beyond the allowed lot lines. Roll call vote: Alderman Rangel – abstain, Alderman Odegaard – aye, Alderman Zeller – aye, Alderwoman Johnson – aye, Alderman Winsell – aye, Alderwoman Hargens – aye. Motion carried. Motion by Alderwoman Hargens, seconded by Alderwoman Johnson to adjourn as Board of Adjustments and reconvene as the Common Council at 8:09 p.m. All members voted aye. Motion carried.

**Investment Policy:** Motion by Alderwoman Johnson, seconded by Alderwoman Hargens to approve the investment policy as presented. All members voted aye. Motion carried.

**Building Permits:** Motion by Alderwoman Johnson, seconded by Alderman Rangel to approve the following building permits: Dale & Tammy Lichty – remove garage, Anthony Rangel – garage, Roberta Harvey – garage, Steve Ford – deck & roof. All members voted aye. Motion carried.

**WAPA IRP:** Motion by Alderwoman Johnson, seconded by Alderman Winsell to approve the WAPA Integrated Resource Plan presented by Heartland Consumers Power District. All members voted aye. Motion carried.

Motion by Alderman Zeller, seconded by Alderman Winsell to adjourn the meeting. There being no further business, the meeting was adjourned at 8:15 p.m. All members voted aye. Motion carried.

\_\_\_\_\_  
Ronald Blachford, Mayor

\_\_\_\_\_  
Sheila Coss, Finance Officer

**LEGAL NOTICE OF RECEIPT:**

Copy of the official proceedings  
was received on: \_\_\_\_\_  
By: \_\_\_\_\_

**PUBLIC UTILITIES COMMISSION  
FEBRUARY 24, 2015 ~ 5:00 P.M.**

The **REGULAR MEETING** of the Public Utilities Commission of the City of New Ulm, Brown County, Minnesota was duly called and held in the City Hall Council Chambers, on the 24<sup>th</sup> day of February 2015 at 5:00 p.m. Present at said meeting was Commissioners Beranek, Fingland, Swan and President Steinke. Also present at said meeting were Utilities Director McCabe, City Manager Gramentz, City Attorney Hippert and Assistant Finance Director Jorgensen. Absent was Commissioner Heine.

Commissioner Beranek moved to approve the minutes from the Annual Public Utilities Commission Meeting held on January, 2015. The motion was duly seconded by Commissioner Fingland and passed by the unanimous vote of all members present.

A public hearing was then held on the PROPOSED AMENDMENT TO PUC REGULATION NO. 110 in regards to bad credit deposits. The Assistant Finance Director presented affidavit of publication showing the "Notice of Hearing" had been duly published in *The Journal*, the official newspaper of the City, which affidavit was ordered filed. The Public Utilities Commission then proceeded to consider and examine said proposal and duly heard any and all objections made thereto. No one appeared and no written comments were received regarding the project. The following action was taken:

**RESOLUTION 15 - 01** adopted to close the public hearing and approve to amend PUC Regulation No. 110 in regards to bad credit deposits.

Commissioner Beranek moved to receive and order filed the report from the Utilities Director regarding utility operations during the month of February 2015. Utilities Director McCabe highlighted the most significant events included in the utility department reports. He also noted on page 4 of Directors Report the date should be January 26<sup>th</sup> not December. Some discussion ensued regarding the removal of the water tower and the possibility of moving the road. President Steinke recognized the following individual as "Employee of the Month":

- ***Ken Sutherland, Electric Systems Tech.      Electric      Distribution  
Department***

The motion was duly seconded by Commissioner Beranek and passed by the unanimous

vote of all members present.

Utilities Director McCabe and Electric Distribution Supervisor Soukup gave a presentation regarding the 2014 New Ulm Public Utilities Electric System Reliability indices report. Commissioner Swan moved to receive and order filed the 2014 New Ulm Public Utilities Electric System Reliability indices report. The motion was duly seconded by Commissioner Fingland and passed by unanimous vote of all members present.

Commissioner Beranek moved to receive notice from the Minnesota Municipal Utilities Association regarding the Tom Bovitz Memorial Scholarship Award program. The motion was duly seconded by Commissioner Fingland and passed by unanimous vote of all members present.

Commissioner Fingland moved to approve New Ulm Public Utilities' participation in the Heartland Consumers Power District Integrated Resource Plan (IRP) Cooperative of 2015. The motion was duly seconded by Commissioner Beranek and passed by unanimous vote of all members present.

Commissioner Fingland moved to approve the year-end carryovers for the year ended December 31, 2014. The motion was duly seconded by Commissioner Swan and passed by unanimous vote of all members present.

Commissioner Beranek moved to approve utility liens against the following properties:

1. Lot 12, Block 143 South of Center, City of New Ulm, Brown County, Minnesota;
2. Front A ½ of Lot 1, Block 152 North of Center, City of New Ulm, Brown County, Minnesota; and
3. Lot 13, Block 15 South of Center, City of New Ulm, Brown County, Minnesota.

The motion was duly seconded by Commissioner Swan and passed by unanimous vote of all members present.

Commissioner Fingland moved to declare various PUC Department equipment as surplus property and authorize disposition pursuant to the requirements of the City Code and Charter. The motion was duly seconded by Commissioner Beranek and passed by unanimous vote of all members present.

Commissioner Beranek moved to declare Unit #52 2004 Chevrolet Venture Extended minivan VIN #1GNDX03EX4D221602 from the Meter Department as surplus property and authorize disposition pursuant to the requirements of the City Code and Charter. The motion was duly seconded by Commissioner Fingland and passed by



## **Appendix D: Public Comments**

Appendix D contains copies of the comments received during the public participations portion of the Integrated Resource Planning process.



# *New Ulm Public Utilities*

## City of New Ulm

*Energy Services Representative*

*310 First North Street*

*New Ulm, Minnesota 56073*

*Email: [william.swanson@ci.new-ulm.mn.us](mailto:william.swanson@ci.new-ulm.mn.us)*

*Fax: (507)-354-7318*

*Telephone: (507) 359-8264*

*Web Site: [www.ci.new-ulm.mn.us](http://www.ci.new-ulm.mn.us)*

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Date: February 16, 2015

To: Adam Graff, Director of Power Supply

From: William Swanson, Energy Services Representative

Re: New Ulm Public Utilities Integrated Resource Plan (IRP) Public Comment Submissions

The New Ulm Public Utilities did not receive any letters or emails after posting notice in the New Ulm Journal on Tuesday February 3, 2015 with an end date of Thursday February 12, 2015.

The Energy Awareness Commission (EAC) discussed the IRP at the February 10, 2015 meeting. The EAC expressed interest in HCPD's existing energy mix with a focus on current energy sources including solar or biomass and HCPD's future plans to include renewable resources. It was suggested to submit this question on behalf of the EAC.

Please contact me with any questions.

Sincerely,

William Swanson