

Protecting South Dakota's Tomorrow ... Today

BOARD OF WATER AND NATURAL RESOURCES

March 30-31, 2016

Matthew Training Center
Joe Foss Building
523 E. Capitol Ave.
Pierre, SD

AGENDA

****Scheduled times are estimates only. Some items may be delayed due to prior scheduled items or may be moved up on the agenda.****

March 30, 2016

1:00 p.m. CDT

1. Call meeting to order
2. Approve agenda
3. Approve minutes of the January 8, 2016 meeting
4. Amendment to State Water Plan, 2016 Clean Water State Revolving Fund Intended Use Plan, and 2016 Drinking Water State Revolving Fund Intended Use Plan — Andy Bruels
5. Amendment to 2015 Clean Water State Revolving Fund Intended Use Plan — Andy Bruels
6. Tripp County Water User District Request to Amend Scope for Drinking Water State Revolving Loan C462434-04 — Eric Meintsma
7. Ellsworth Development Authority Request to Amend Scope for Consolidated Loan 2014L-107— Jim Anderson
8. Lake Poinsett Sanitary District Request to Amend Scope for Clean Water State Revolving Fund Loan C461027-04 — Claire Peschong
9. Pierre Request to Amend Solid Waste Management Loan 2016L-RLA-201 — Andy Bruels
10. Rescission of Brandon Clean Water State Revolving Fund Loan C461032-05 — Mike Perkovich
11. Waubay Request to Amend Clean Water State Revolving Fund Loan C461025-03 and/or Consolidated Grant 2016G-100 — Mike Perkovich
12. Rescission of Lake Byron Clean Water State Revolving Fund Loan C461052-01 and Consolidated Water Facilities Construction Program Grant 2015G-103 — Mike Perkovich
13. Emery Request to Amend Drinking Water State Revolving Fund Loan C462248-01 — Andy Bruels

Notice is given to individuals with disabilities that this meeting is being held in a physically accessible location. Please notify the Department of Environment and Natural Resources at least 48 hours before the meeting if you have a disability for which special arrangements must be made. The telephone number for making arrangements is (605) 773-4216.

14. Sanitary/Storm Sewer Facilities Funding Applications — Mike Perkovich
 - a. Dell Rapids (26)
 - b. Lake Poinsett SD (23)
 - c. Westport (20)
 - d. Pierre (18)
 - e. Miller (15)
 - f. Astoria (12)
 - g. Brandon (11)
 - h. Canton (10)
 - i. Dell Rapids (10)
 - j. Faulkton (8)
 - k. Prairie Meadows SD (8)
 - l. Yale (4)
15. Drinking Water Facilities Funding Applications — Andy Bruels
 - a. Midland (112)
 - b. Perkins County RWS (81)
 - c. Conde (42)
 - d. Colman (39)
 - e. Wakonda (33)
 - f. Britton (20)
 - g. Brookings Deuel RWS (18)
 - h. Chancellor (13)
 - i. Canton (11)
 - j. Dell Rapids (11)
 - k. Miller (10)
 - l. Kingbrook RWS (8)
16. Small Water Facilities Funding Application — Jim Feeney
 - a. Delmont
17. Solid Waste Management Program Funding Application — Andy Bruels
 - a. Freeman

March 31, 2016

8:15 a.m. CDT

18. Funding Decisions
 - a. Sanitary/Storm Sewer Facilities — Mike Perkovich
 - b. Drinking Water Facilities — Andy Bruels
 - c. Small Water Facilities — Jim Feeney
 - d. Solid Waste Management Program — Andy Bruels
19. Watertown State Water Resources Management System Grant Agreement — Jim Feeney
20. Sioux Falls State Water Resources Management System Grant Agreement — Jim Feeney
21. Department of Environment and Natural Resources State Water Resources Management System Grant Agreement — Jim Feeney
22. Retention of Future Use Water Permit No. 2472-2 for the Gregory County Pumped Storage Project — Jim Feeney
23. Legislative Update — Secretary Steve Pirner
24. Amendment to SRF Program Investment Advisor Agreement — Jon Peschong
25. Second Amendment to Joint Powers Agreement with East Dakota Water Development District for Aquifer Delineation Technical Assistance to Community Water Systems — Jon Peschong
26. Third Amendment to Joint Powers Agreement with Central South Dakota Enhancement District for SRF Application and Administration and Davis-Bacon Monitoring — Derek Lankford
27. Lead and Copper Monitoring in South Dakota — Mark Mayer
28. Board of Water and Natural Resources SFY 2017 Meeting Schedule — Mike Perkovich
29. June 23-24, 2016 Meeting
30. Adjourn

The audio recording for this meeting is available on the South Dakota Boards and Commissions Portal at <http://boardsandcommissions.sd.gov/bcuploads/bwnr0108.mp3>.

Board of Water and Natural Resources Meeting

Conducted via the Digital Dakota Network

Northern State University
Aberdeen, SD

Department of Transportation
Brookings, SD

Department of Transportation
Huron, SD

(This site was added the day of the meeting to accommodate a participant.)

Mitchell Technical Institute
Mitchell, SD

Capitol Building
Pierre, SD

University Center
Rapid City, SD

USD School of Medicine
Sioux Falls, SD

Department of Environment & Natural Resources
Watertown, SD

January 8, 2016
1:00 p.m. CST

CALL MEETING TO ORDER: The meeting was called to order by Chairman Brad Johnson. The roll was called, and a quorum was present.

BOARD MEMBERS PRESENT: Brad Johnson, Todd Bernhard, Jackie Lanning, Paul Goldhammer, Jerry Soholt, and Dr. Paul Gnirk.

BOARD MEMBERS ABSENT: Gene Jones, Jr.

LEGISLATIVE OVERSIGHT COMMITTEE MEMBERS PRESENT: Representative Mary Duvall and Senator Jim White.

OTHERS: See attached sign-in sheets.

APPROVE AGENDA: Mike Perkovich noted that the city of Pierre submitted a letter withdrawing its Solid Waste Management Program funding application; therefore, it was removed from the agenda. Chairman Johnson approved the agenda.

APPROVE MINUTES OF THE NOVEMBER 5, 2015, MEETING: Motion by Gnirk, seconded by Bernhard, to approve the minutes of the November 5, 2015, Board of Water and Natural Resources meeting. A roll call vote was taken, and the motion carried unanimously.

SECTION 319 APPLICATIONS: The Board of Water and Natural Resources is the designated entity that provides the state's Section 319 nonpoint source pollution project funding recommendations to EPA. The board considers recommendations from the Nonpoint Source (NPS) Task Force as part of its review process.

The 2016 Clean Water SRF Intended Use Plan authorized the use of \$1,200,000 in administrative surcharge fees to supplement the Consolidated and Section 319 programs for wastewater treatment and Total Maximum Daily Load (TMDL) implementation projects. The Section 319 funding allocation has not yet been received from EPA for FFY 2016, but staff anticipates receiving \$2,487,000, which is at the same level as last year's allocation. The DENR and NPS Task Force recommendations reflect both the anticipated FFY 2016 Section 319 federal funding allocation and \$150,000 in Clean Water SRF Water Quality grant awards.

The department proposed using \$680,000 in Section 319 grant funds for administration of the program, which leaves \$1,807,000 for pass through grants. With the \$150,000 Clean Water SRF Water Quality grant funds, the total amount for pass through grants is \$1,957,000. Based on the final allocation of Section 319 funds, whether it be an increase or decrease, awards will be adjusted on a proportional basis.

Barry McLaury presented the six applications, which requested a total of \$2,837,528 in Section 319 funding. He also presented the DENR funding recommendations.

Belle Fourche River Watershed Implementation Project - Segment 7 (Amendment)

Total Cost: \$3,546,900

Section 319 Grant Request: \$400,000

The Belle Fourche River Watershed Partnership is the project sponsor for this two-year project. This is the seventh segment that addresses seven TMDLs. The activities planned for this segment will begin implementing Best Management Practices (BMPs) that reduce E. coli and advance the BMP implementation for Total Suspended Solids pollutants to 71 percent complete. These BMPs include installing irrigation sprinkler systems, implementing grazing management

systems, installing riparian vegetation improvements, implementing clean water diversion, and relocating livestock feeding grounds.

Recommendation: \$400,000 as requested in Section 319 funds.

Upper Big Sioux River Watershed Implementation Project - Segment 7

Total Cost: \$1,152,800

Section 319 Grant Request: \$511,863

The city of Watertown is the project sponsor of this three-year project. The Upper Big Sioux River Watershed Project is designed to continue to improve water quality of the Big Sioux River, Lake Kampeska, and Lake Pelican by reducing nutrient and sediment loads originating from grazing and animal feeding operations, from crop ground and pasture lands caused by inappropriate application of manure or holding pond water, and from stream/river banks and lake shoreline erosion.

Recommendation: \$200,000 in Section 319 funds for the installation of BMPs under the project's sediment load reduction objective.

BMPs include grassed waterways, riparian area management, and sediment traps. The recommendation for a reduction in funding is based on limited available funding and local funding sources for staff. DENR acknowledges that requiring local funding to provide the staff that the local sponsors believe is necessary will reduce local funding for BMPs. DENR will work with sponsors to provide additional BMP cost share funding when needed. Options include a Watershed Restoration Project application to this board or Section 319 funds reverted during the year or from subsequent allocations.

SD Nonpoint Source Information and Education Project - Segment 4 (Amendment)

Total Cost: \$554,124

Section 319 Grant Request: \$86,700

The 2014 South Dakota Nonpoint Source Information and Education Project is sponsored by the SD Discovery Center. The project provides South Dakota's citizens with information and education opportunities about nonpoint source pollution in order to gain their support for, and participation in, nonpoint source pollution prevention and reduction practices. To achieve the goal, this project will focus on outreach to South Dakota's adults using a combination of traditional and innovative methods, support local and regional activities through a competitive mini-grants program, and increase teacher, student, and adult awareness of watersheds and watershed protection.

Recommendation: \$86,700 as requested in Section 319 funds.

South Central Watershed Implementation Project - Segment 1

Total Cost: \$13,317,530

Section 319 Grant Request: \$1,550,000

This five-year project is sponsored by the James River Water Development District and is the first segment of a locally planned multi-year (10-15 year) effort to implement BMPs in the Lewis and Clark Lake watershed, Lake Andes, Geddes, Academy, and Platte Lake Watersheds and impaired stretches of the Lower James River tributaries. The goal of the project is to restore or protect the beneficial uses through the installation of BMPs in the watersheds that target sources of sediment, nutrients, and fecal coliform bacteria. Segment I will address and target BMP installation in the entire South Dakota portion of the Lewis and Clark Lake Watershed (1.9 million acres) and the Lower James River Watershed and its tributaries (2.6 million acres).

Recommendation: \$1,081,335 (\$931,335 in Section 319 funds and \$150,000 in Water Quality grant funds).

The recommendation for a reduction in funding is based on available Section 319 funds. DENR recommended the sponsor submit future applications for Section 319 funds and continue to work with other potential funding partners to help make up the reduced Section 319 funding level.

SD School of Mines & Technology Pathogenicity Project

Total Cost: \$166,671

Section 319 Grant Request: \$100,000

This project is sponsored by the South Dakota School of Mines & Technology. The project would measure the pathogenic potential of the bacterial contamination of six sites along the Big Sioux River and Skunk Creek bi-weekly for the period of one year. Although fecal coliforms and E. coli are commonly quantified in the monitoring of water quality, the level of pathogenicity is often overlooked. The project proposes to apply a newly developed monitoring metric for pathogenic potential of contaminated water by screening bacteria for harmful traits that can be passed even among harmless bacteria, creating the possibility for severe public health risks. Through this work, the project will determine the effects of seasonal change and major weather events on the human disease potential, and help guide usage of these waterways.

Recommendation: No funding.

The recommendation for no funding is based on the South Dakota Surface Water Quality Standards not distinguishing between E. coli gene types. This research may be appropriate for another funding source, but it does not provide water quality benefits to justify consideration of Section 319 funding.

South Dakota State University Bacteria in Sediment Project

Total Cost: \$314,941

Section 319 Grant Request: \$188,965

This three-year project is sponsored by South Dakota State University and will use a combination of literature review and spatial sampling to determine a standard method for sampling E. coli in stream sediments. Using the standard method, the project will also assess the

stability of E. coli concentrations over time including the impact of stormflow, shear stress, and sediment particle sizes. Stormflows have the potential to deplete sediment stores of E. coli; therefore, this project will also evaluate the potential for E. coli recovery after such events. Outcomes from the project will provide needed insight into the risks to South Dakota waterbodies from existing in-stream E. coli stores and the potential persistence of the risks from E. coli stores over time.

Recommendation: \$188,965 as requested in Section 319 funds.

This concluded Mr. McLaury's presentation of the funding applications.

Jay Gilbertson, Chairman of the NPS Task Force, stated that the members of the task force concurred with the recommendations of DENR.

Mr. McLaury and Mr. Feeney answered questions from the board.

Motion by Gnirk, seconded by Bernhard to concur with the funding recommendations of the Department of Environment and Natural Resources and the Nonpoint Source Task Force and to authorize the department to forward the FFY 2016 Section 319 funding recommendations to EPA with adjustments to the final federal funding level. A roll call vote was taken, and the motion carried unanimously.

Motion by Gnirk, seconded by Bernhard, to authorize the department to enter into a grant agreement with the James River Water Development District in the amount of \$150,000 from Clean Water SRF administrative surcharge fees pursuant to the 2016 Clean Water SRF Intended Use Plan, contingent upon the 2016 Legislature authorizing the required budget authority for the awards. A roll call vote was taken, and the motion carried unanimously.

SOLID WASTE MANAGEMENT PROGRAM FUNDING APPLICATION: Andy Bruels discussed available funds.

A map showing the location of the applicant was included in the board packet.

The Solid Waste Management Program was established under SDCL 46A-1-83. The Board of Water and Natural Resources may award grant and loan funds for the purpose of solid waste planning and management under the program. ARSD 74:05:10:09 provides that applications for the January funding round are due by October 1.

Pursuant to ARSD 75:05:10:11, the board must make its funding decisions within 120 days after applications are presented. In accordance with SDCL 46A-1-83, a minimum of 50 percent of the Solid Waste Management Program funds must be reserved for recycling activities.

Andy Bruels presented the one application that was received by DENR for funding consideration at this meeting.

The South Dakota Solid Waste Management Association requested \$39,000 for a Manager of Landfill Operations Training Course. The application reflected an estimated total project cost of \$63,000, which included costs associated with in-kind match for staff and other expenses. It was determined that to provide the requested grant funding, the in-kind match is not necessary, so that amount was removed from the project cost.

Mr. Bruels noted that a portion of the registration fees will fund the remainder of the cost.

The South Dakota Solid Waste Management Association is planning to sponsor the Solid Waste Association of North American Manager of Landfill Operations (MOLO) course in South Dakota to certify new managers and regulators, maintain existing certifications, and train other new staff in the solid waste industry statewide. The last MOLO course was held in October 2013. The Solid Waste Management Association anticipates a minimum of 42 registrants for the training. Funds will help to defray the registration costs for South Dakota operators only.

Staff recommended awarding a Solid Waste Management Program grant for up to 80 percent of approved total project costs not to exceed \$39,000.

Carolyn Trautman, Executive Director of the SD Solid Waste Management Association, discussed the MOLO training and requested approval of funding. She answered questions from the board.

Motion by Bernhard, seconded by Lanning, to adopt Resolution #2016-01 approving Solid Waste Management Program Grant Agreement #2016G-SW-400 between the Board of Water and Natural Resources and the South Dakota Solid Waste Management Association for up to 80 percent of approved total project costs not to exceed \$39,000 for sponsoring a Manager of Landfill Operations Training Course. A roll call vote was taken, and the motion carried unanimously.

FFY 2015 CLEAN WATER SRF ANNUAL REPORT: Derek Lankford presented the FFY 2015 Clean Water SRF annual report.

The South Dakota Conservancy District is required to submit an annual report to the Environmental Protection Agency for the Clean Water State Revolving Fund (SRF) Program. The FFY 2015 report follows the same format as previous years and discusses activity from October 1, 2014, to September 30, 2015.

Mr. Lankford reported that in FFY 2015 the Board of Water and Natural Resources awarded 21 Clean Water SRF loans totaling \$61,892,657. Five loans received principal forgiveness in the aggregate total of \$3,611,900. Loan repayments totaled more than \$28.3 million, with \$20.5 million in principal, \$6.2 million in interest, and \$1.6 million in administrative surcharge.

Staff recommended the board approve the annual report for the Clean Water SRF program and authorize staff to distribute the report.

Motion by Bernhard, seconded by Gnirk, to approve the FFY 2015 Clean Water SRF annual report and authorize staff to distribute the report. A roll call vote was taken, and the motion carried unanimously.

FFY 2015 DRINKING WATER SRF ANNUAL REPORT: Mr. Lankford presented the FFY 2015 Drinking Water SRF annual report.

The South Dakota Conservancy District is required to submit an annual report to the Environmental Protection Agency for the Drinking SRF. The FFY 2015 report follows the same format as previous years and discusses activity from October 1, 2014, to September 30, 2015.

Mr. Lankford reported that in FFY 2015 the board awarded 19 Drinking Water SRF loans totaling \$32,823,750. Six loans received principal forgiveness in the aggregate total of \$3,518,940. Loan repayments totaled more than \$20.1 million, with \$16 million in principal, \$3.3 million in interest, and \$870,070 in administrative surcharge.

Staff recommended the board approve the annual report for the Drinking Water SRF program and authorize staff to distribute the report.

Motion by Goldhammer, seconded by Gnirk, to approve the FFY 2015 Drinking Water SRF annual report and authorize staff to distribute the report. A roll call vote was taken, and the motion carried unanimously.

REQUEST FOR CONSENT TO PERKINS COIE'S SIMULTANEOUS REPRESENTATION OF SOUTH DAKOTA CONSERVANCY DISTRICT AND CITY OF SIOUX FALLS: Mike Perkovich reported that Bruce Bonjour, Perkins Coie, who serves as bond counsel for the Clean Water and Drinking Water SRF programs is also working with the city of Sioux Falls on a sales tax bond issue. Sioux Falls has one outstanding Clean Water SRF loan (CW-22) secured by a pledge of sales tax revenue.

Mr. Bonjour submitted a letter to the South Dakota Conservancy District requesting its consent to undertake representation of the city of Sioux Falls in a matter in which the interests of the Conservancy District and the city are potentially adverse, while continuing its representation of the Conservancy District in other matters related to the SRF programs.

The South Dakota Attorney General's approval of the Consent Letter for Perkins Coie is also required.

Mr. Bonjour's request was reviewed by legal counsel and no concerns were noted.

Staff recommended the board authorize Chairman Johnson to execute the Consent Letter for Perkins Coie's simultaneous representation of the South Dakota Conservancy District and the city of Sioux Falls.

Mr. Perkovich and Mr. Feeney answered questions from the board.

Motion by Bernhard, seconded by Soholt, to authorize Chairman Johnson to execute the Consent Letter for Perkins Coie's simultaneous representation of the South Dakota Conservancy District and the city of Sioux Falls. A roll call vote was taken, and the motion carried unanimously.

MARCH 23-24, 2016, MEETING: Mr. Perkovich discussed possible agenda items for the March 23-24, 2016, meeting, which is scheduled to be held at the Matthew Training Center in Pierre.

Note: Following the board meeting, the March meeting date was changed to March 30, 2016, due to several board members having a scheduling conflict.

ADJOURN: Motion by Bernhard, seconded by Lanning, that the meeting be adjourned. A roll call vote was taken, and the motion carried unanimously.

The meeting was digitally recorded and it is available on the Boards and Commissions portal at <http://boardsandcommissions.sd.gov/bcuploads/bwnr0108.mp3>.

Approved this 30th day of March, 2016.

(SEAL)

Chairman, Board of Water and Natural Resources

ATTEST:

Secretary, Board of Water and Natural Resources

ATTENDANCE SHEET
BOARD OF WATER AND NATURAL RESOURCES MEETING

CONDUCTED VIA THE DIGITAL DAKOTA NETWORK

JANUARY 8, 2016

PIERRE
CAPITOL BUILDING

<u>NAME (PLEASE PRINT)</u>	<u>ADDRESS</u>	<u>REPRESENTING</u>
James Feeney	Pierre	DENR
Jim Putnam	Armour	SCWDD
Mike Perkovich	Pierre	DENR
Jan Peschang	Pierre	DENR
Derek Lankford	Pierre	DENR
CLAIRE PESCHONG	Pierre	DENR
Andy Bruels	Pierre	DENR
Barry McLaury	Pierre	DENR
Drew Huicken	Pierre	DENR
TODD BEENHARD	Fort Pierre	BWNR
PAUL GOLDSHAMMER	WALL	BWNR
PAUL GNIRK	NEW UNDERWOOD	BWNR
Mary Duvall	Pierre	Legis Oversight

ATTENDANCE SHEET

BOARD OF WATER AND NATURAL RESOURCES MEETING

CONDUCTED VIA THE DIGITAL DAKOTA NETWORK

JANUARY 8, 2016

WATERTOWN
DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES

NAME (PLEASE PRINT)

ADDRESS

REPRESENTING

Brad Johnson
Andrew Kopp

Watertown
Watertown

BWNR
DENR

Roger Footie

water

UBSPWP

TITLE: Amendments to 2016 State Water Facilities Plan, 2016 Clean Water State Revolving Fund and 2016 Drinking Water State Revolving Fund Intended Use Plans

EXPLANATION: Water projects which will require state funding or need state support for categorical grant or loan funding need to be on the State Water Plan. The Board of Water and Natural Resources annually approves projects for placement onto State Water Facilities Plan and provides for amendments of projects onto the plan. Placement of a project on the State Water Plan by the board provides no guarantee of funding. The projects placed onto the plan at this meeting will remain on the facilities plan through December 2017.

Projects seeking a Clean Water or Drinking Water State Revolving Fund loan must be included on the project priority list of the Intended Use Plan. The State Water Plan applications are used to determine which projects should be amended onto the State Revolving Fund Project Priority Lists.

The following is the list of State Water Plan applications received by the February 1, 2016 deadline.

- a. Big Stone City
- b. Canistota
- c. James River Water Development District
- d. Keystone - Water
- e. Keystone - Wastewater
- f. Lebanon
- g. Northwest South Dakota Regional Landfill Association, Inc.
- h. Pierre
- i. Raymond
- j. Sioux Falls – Basin 14D
- k. Sioux Falls – Primary Digester
- l. Vermillion
- m. Viborg
- n. Viewfield Rural Water Association, Inc.

To comply with provisions of the Water Resources Reform and Development Act of 2014, the narrative portion of the Clean Water Intended Use Plan concerning procurement of architectural and engineering services is proposed to be amended as follows:

Section 602(b)(14) – Procurement of Architectural and Engineering Services – The state will not provide Clean Water SRF assistance to projects for

architectural or engineering services that are identified as an equivalency project in the annual report, unless the project has complied with the architectural and engineering procurement procedures identified in 40 U.S.C. 1101 et seq.

Additionally, staff is recommending that the following projects be amended onto the 2016 Clean Water State Revolving Fund Project Priority List:

Priority Points	Loan Recipient	Estimated Loan Amount	Expected Loan Rate & Term
22	Raymond	\$1,465,850	3.25%, 30 years
21	Keystone	\$630,555	3.00%, 20 years
20	Sioux Falls – Primary Digester	\$8,115,000	2.25%, 10 years
15	Northwest SD Reg. Landfill	\$604,000	2.25%, 10 years
14	Sioux Falls – Basin 14D	\$7,700,000	2.25%, 10 years
12	Astoria	\$660,000	3.25%, 30 years
12	Vermillion	\$1,309,000	3.00%, 20 years
10	Pierre	\$1,250,000	3.25%, 30 years
10	Viborg	\$135,000	3.25%, 30 years
6	Canistota	\$431,000	3.25%, 30 years
6	Lebanon	\$1,270,641	3.25%, 30 years

To allow continued assistance for SRF loan applicants in the coming year to complete the technical, financial or managerial component of their system’s Capacity Assessment, the following changes to the narrative portion of the Drinking Water Intended Use Plan are proposed:

Local assistance and other state programs.

Up to \$75,000 will be allocated for the capacity development activities described below.

The state can fund other activities to assist development and implementation of local drinking water protection activities. Up to 15 percent of the capitalization grant may be used for the activities specified below, but not more than 10 percent can be used for any one activity. The allowable activities for this set-aside are: (1) assistance to a public water system to acquire land or a conservation easement for source water protection; (2) assistance to a community water system to implement voluntary, incentive-based source water quality protection measures; (3) to provide funding to delineate and assess source water protection areas; (4) to support the establishment and implementation of a wellhead protection program; and (5) to provide funding to a community water system to implement a project under the capacity development strategy.

~~No funds will be set aside for these activities in federal fiscal year 2016.~~

There remains \$160,402 from prior years' allocations. It is anticipated that a portion of these funds will be used by the Midwest Assistance Program (MAP) in FY 2016. Since 2008, MAP has been assisting communities that received an SRF loan and recommendations were made in the capacity assessment to improve the technical, financial, or managerial capacity of the system. In addition, the Midwest Assistance Program has assisted in the review of capacity assessments required as part of the Drinking Water SRF loan applications. The DENR and the Midwest Assistance Program will continue the partnership ~~as needed~~ in FY 2016.

In response to an EPA directive to expend prior year's federal funds, any remaining balance from prior set aside funds will be transferred to the SRF loan account at the end of June 2016. A total of \$75,000 will be set aside from the 2016 capitalization grant for the activities described above.

Disadvantaged Community Subsidies

Amount of capitalization grant to be made available for providing additional subsidies. Additional subsidy as mandated under recent capitalization grants is provided as described previously. Disadvantaged communities are eligible for additional subsidy in the form of principal forgiveness. South Dakota will utilize the option to provide 30 percent of the 2016 capitalization grant as additional subsidy in the form of principal forgiveness to disadvantaged communities. This will provide an additional \$2,493,600 of principal forgiveness funds for disadvantaged communities in FY 2016. Disadvantaged communities below 80 percent of the statewide median household income will be given priority for this subsidy.

Additionally, staff is recommending that the following projects be amended onto the 2016 Drinking Water State Revolving Fund Project Priority List:

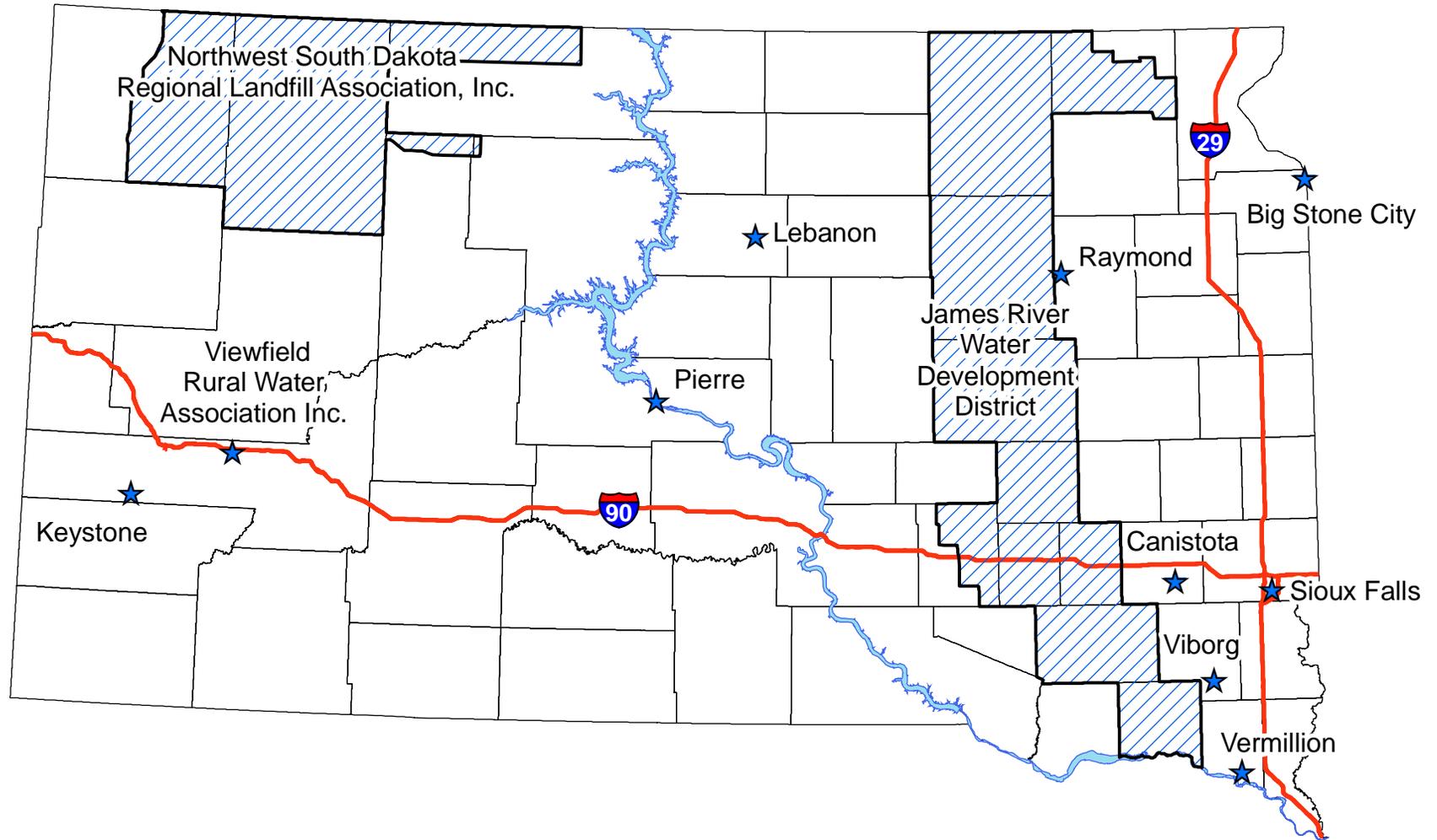
Priority Points	Loan Recipient	Estimated Loan Amount	Expected Loan Rate & Term
227	Viewfield Rural Water Assc.	\$250,000	3.00%, 30 years
53	Keystone	\$98,000	2.25%, 30 years
4	Canistota	\$99,000	3.00%, 30 years

RECOMMENDED ACTION: Approve amendment of projects on the 2016 State Water Facilities Plan, 2016 Clean Water State Revolving Fund and 2016 Drinking Water State Revolving Fund Intended Use Plans

CONTACT: Andy Bruels, 773-4216

State Water Plan Applications

March 2016



JAN 28 2016

State Water Plan ApplicationDivision of Financial
& Technical Assistance

Applicant: Big Stone City Address: PO Box 246 Big Stone City 57216-0246 Phone Number: 605-862-8121	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Projected State Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$2,000,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td>Other: _____</td> <td style="border-bottom: 1px solid black;">_____</td> </tr> <tr> <td>Other: _____</td> <td style="border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 3px double black;">\$2,000,000</td> </tr> </table>	Projected State Funding	\$2,000,000	Local Cash	_____	Other: _____	_____	Other: _____	_____	TOTAL	\$2,000,000
Projected State Funding	\$2,000,000										
Local Cash	_____										
Other: _____	_____										
Other: _____	_____										
TOTAL	\$2,000,000										

Project Title: BSC Connect to GRRWS

Description: (Include present monthly utility rate.)

Big Stone City (BSC) is proposing to connect to the Grant Roberts Rural Water System (GRRWS) to provide drinking water to the city. The proposed project will install approximately 67,000 LF of new 6" or 8" water and a master meter pit plus any other necessary appurtenances required to construct this project. BSC currently receives its drinking water from the Ortonville, MN water system. According to BSC officials, the city's water rates are going to double or triple based on some information received from Ortonville. The city feels such a large increase in water rates is not affordable for its residents. Houston Engineering Inc. provided the preliminary engineering and cost estimates. BSC's water rate for 5,000 gallons of usage is approximately \$42.50/month for community residents.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Deb Wiik, Mayor

 Name & Title of Authorized Signatory
 (Typed)



 Signature

1-27-16

 Date

State Water Plan Application

Applicant: City of Canistota Address: P.O. Box 67 Canistota, SD 57012 Phone Number: (605) 296-3551	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Projected State Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$530,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">\$1,130,000</td> </tr> <tr> <td style="text-align: right;">Other: <u>Community Access</u></td> <td style="text-align: right; border-bottom: 1px solid black;">\$400,000</td> </tr> <tr> <td style="text-align: right;">Other: _____</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$2,060,000</td> </tr> </table>	Projected State Funding	\$530,000	Local Cash	\$1,130,000	Other: <u>Community Access</u>	\$400,000	Other: _____		TOTAL	\$2,060,000
Projected State Funding	\$530,000										
Local Cash	\$1,130,000										
Other: <u>Community Access</u>	\$400,000										
Other: _____											
TOTAL	\$2,060,000										

Project Title: Main Street Clean Water and Drinking Water Improvements

Description: (Include present monthly utility rate.)

Canistota's Main Street was constructed in 1952 as a concrete street. This surfacing is still in place and is in drastic need of replacement. In 2001 the City completed a utility project that replaced the water and sewer mains but did not replace the service lines. The City would like to replace the existing water and sewer service lines and then reconstruct the entire street. In addition, the City needs to replace an existing storm sewer inlet with outlet pipe and install a new block of storm sewer. The new storm sewer will connect to the existing storm sewer on Pine Street. This storm sewer will pick up the surface flows before they exceed industry standards for the width of spread. This will also help route storm flows around the west end of Main Street and reduce the risk for flooding at the intersection of Main Street and 7th Avenue. Approximately \$431,000 of the total projected funding is Clean Water related and \$99,000 is Drinking Water related.

The City's current wastewater rate is \$40.27 for a 5,000 gallon user and the current drinking water rate is \$57.84 for a 5,000 gallon user.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Joel Weidenbach, City Council President
 Name & Title of Authorized Signatory
 (Typed)


 Signature

January 29, 2016
 Date

JAN 22 2016

Division of Financial & Technical Assistance

State Water Plan Application

Applicant: James River Water Development District Address: PO Box 849 Huron, SD 57350 Phone Number: (605) 352-0600	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Projected State Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$275,000</td> </tr> <tr> <td>Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">\$2,486,406</td> </tr> <tr> <td>Other: 319</td> <td style="text-align: right; border-bottom: 1px solid black;">\$1,250,000</td> </tr> <tr> <td>Other: Other Federal Fund</td> <td style="text-align: right; border-bottom: 1px solid black;">\$5,059,881</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$9,071,287</td> </tr> </table>	Projected State Funding	\$275,000	Local Cash	\$2,486,406	Other: 319	\$1,250,000	Other: Other Federal Fund	\$5,059,881	TOTAL	\$9,071,287
Projected State Funding	\$275,000										
Local Cash	\$2,486,406										
Other: 319	\$1,250,000										
Other: Other Federal Fund	\$5,059,881										
TOTAL	\$9,071,287										

Project Title: South Central Watershed Implementation Project- Segment I

Description: (Include present monthly utility rate.)

This project is a combination of the Lower James 319 project and the Lewis and Clark 319 watersheds. The main drainages involved are Choteau Creek, Emanuel Creek, Ponca Creek, Keya Paha River, and the tributaries of the James River, Wolf Creek, Dawson Creek, Pierre Creek, and Firesteel Creek. Best Management Practices selected for these projects in the past will be carried over to this new project. This projects main focus is restoring water quality to meet designated beneficial uses and address established TMDL's in this watershed consisting of slightly more than 5,000,000 acres.

If this State Water Plan is approved it will allow the South Central project to apply for additional Consolidated funds to aid in the construction of Ag Waste Systems in the future.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Dan Klimisch, Chairman JRWDD Board
 Name & Title of Authorized Signatory
 (Typed)

Daniel S. Klimisch 21 JAN 16
 Signature Date

State Water Plan Application Form

Applicant Northwest S.D. Regional Landfill Assoc., Inc. Address: 501 3rd St. East Lemmon, SD 57638 Phone Number: (605) 374-3246	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$604,000</td> </tr> <tr> <td>Other _____</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Other _____</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Other _____</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 1px solid black;">\$604,000</td> </tr> </table>	Requested Funding	\$604,000	Other _____		Other _____		Other _____		TOTAL	\$604,000
Requested Funding	\$604,000										
Other _____											
Other _____											
Other _____											
TOTAL	\$604,000										

Project Title: Northwest South Dakota Regional Landfill Expansion

Description: (Include present monthly utility rate and whether a reserve fund has been established for the utility to benefit from the project.)

The Northwest South Dakota Regional Landfill Association, Inc. is proposing to construct an additional landfill cell (Cell #3) in order to meet future space demand. (Refer to attached full project summary provided by the project engineer).

Presently, the Association charges the six member municipalities at a rate of \$7.59 per capita community population on a monthly basis. Further, communities pay for individual rural commercial users at a rate of \$300 per year per user. The Association maintains reserve funds both for cell closing as well as cell expansion.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Timothy M. Hess, President

 Name and Title of Authorized Signatory (Typed)
 Application Prepared By:

Timothy M. Hess 1-20-16

 Signature Date

Bill Lass, Senior Planner (605) 394-2681

 Name and Title (Typed) Phone #

Black Hills Council of Local Governments

 Representing

Garland Erbele, P.E. (605) 222-1826

 Name of Engineer/Architect Phone #

Wenck Associates

 Representing

RECEIVED

JAN 27 2016

SD EForm - 0487LD V3

State Water Plan Application

Division of Financial
Administration

Applicant: Town of Raymond Address: PO Box 116 Raymond, SD 57258 Phone Number: (605) 487-7518	Proposed Funding Package	
	Projected State Funding	\$1,465,850
	Local Cash	
	Other:	
	Other:	
	TOTAL	\$1,465,850

Project Title: Raymond Wastewater Improvements

Description: (Include present monthly utility rate.)

\$40,000
Televising Existing Collection System

\$746,475
Collection Alternative 4: Replace Existing Pipe with CIPP & PVC

\$32,300
Lift Station Alternative 2: Wetwell Improvements

\$647,075
Wastewater Treatment Improvements Alternative 3: Synthetic Pond Liner Improvements

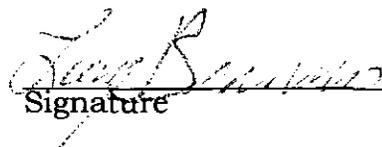
\$1,465,850 - Total

Present monthly wastewater utility rate - \$22.75/month flat fee

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Larry Brannan, Board President
Name & Title of Authorized Signatory
(Typed)



January 25, 2016
Date

State Water Plan Application

<p>Applicant: City of Sioux Falls</p> <p>Address: 224 W. 9th Street Sioux Falls, SD 57104</p> <p>Phone Number: (605) 367-8800</p>	<p>Proposed Funding Package</p> <table style="width: 100%;"> <tr> <td style="text-align: right;">Projected State Funding</td> <td style="text-align: right;"><u>\$7,700,000</u></td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right;"><u> </u></td> </tr> <tr> <td style="text-align: right;">Other: NPS - TBD</td> <td style="text-align: right;"><u> </u></td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right;"><u> </u></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right;"><u>\$7,700,000</u></td> </tr> </table>	Projected State Funding	<u>\$7,700,000</u>	Local Cash	<u> </u>	Other: NPS - TBD	<u> </u>	Other:	<u> </u>	TOTAL	<u>\$7,700,000</u>
Projected State Funding	<u>\$7,700,000</u>										
Local Cash	<u> </u>										
Other: NPS - TBD	<u> </u>										
Other:	<u> </u>										
TOTAL	<u>\$7,700,000</u>										

Project Title: Basin 14D Sanitary Sewer Extension (CW-37)

Description: (Include present monthly utility rate.)

Foundation Park, a business park located north of I-90 and west of I-29, will provide the City of Sioux Falls an 800 acre site to attract world class companies. With convenient rail and highway access, Foundation Park is a favorable location for a variety of businesses and industries. In order to service the future economic growth of Foundation Park and the northwest area of the Sioux Falls, the City proposes the installation of an 8-inch gravity sewer, a force main and a lift station to extend sanitary sewer services to the area.

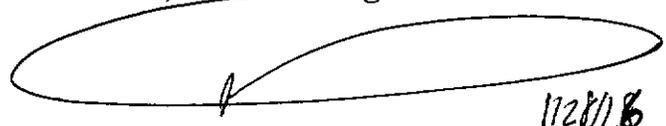
The budget in the City of Sioux Falls Capital Improvements Program is \$7,700,000.

The City's current monthly rate for 670 cubic feet of wastewater is \$28.94 for residential customers and \$45.92 for commercial customers.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Mike Huether, Mayor
 Name & Title of Authorized Signatory
 (Typed)



11/28/16
Date

CITY USE ONLY

Agreement No. 16-3096 Dept/ MOU
 Attorney [Signature] Finance [Signature]
 CIP/Project
 City Engineer Chal [Signature] SA

State Water Plan Application

Applicant: City of Sioux Falls Address: 224 W. 9th Street Sioux Falls, SD 57104 Phone Number: (605) 367-8800	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; border-bottom: 1px solid black;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Projected State Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$8,115,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: NPS - TBD</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$8,115,000</td> </tr> </table>	Proposed Funding Package		Projected State Funding	\$8,115,000	Local Cash	_____	Other: NPS - TBD	_____	Other: _____	_____	TOTAL	\$8,115,000
Proposed Funding Package													
Projected State Funding	\$8,115,000												
Local Cash	_____												
Other: NPS - TBD	_____												
Other: _____	_____												
TOTAL	\$8,115,000												

Project Title: Primary Digester Mixing Improvements (CW-39)

Description: (Include present monthly utility rate.)

In the City's wastewater treatment facility the draft tube mixing systems are not working in primary digesters #2 and #3. The mixing system in primary digester #1 was upgraded in 2010. However, this mixing system creates a foam issue that can potentially overflow the digester. The current covers for all three are approximately 30 years old and near the end of their useful life. The City proposes the construction of improvements to the mixing system of primary digesters #1, #2 and #3 and the replacement of existing floating covers with a short skirt fixed steel cover and geomembrane seal.

The Facility Plan will be completed by HDR Engineering. The City will be using the RFQ (request for quotation) process to select the engineering firm for the design and construction of the project.

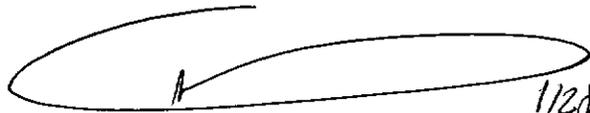
The City's current monthly rate for 670 cubic feet of wastewater is \$28.94 for residential customers and \$45.92 for commercial customers.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Mike Huether, Mayor

 Name & Title of Authorized Signatory
 (Typed)



 Signature Date 1/28/16

CITY USE ONLY

Agreement No. 16-3098 Dept/ MOU _____
 Attorney [Signature] Finance _____
 CIP/Project _____
 City Engineer [Signature] 3874

State Water Plan Application

Applicant: City of Vermillion Address: 25 Center Street Vermillion, South Dakota 57069 Phone Number: 605-677-7050	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Projected State Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$1,309,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Other:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Other:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$1,309,000</td> </tr> </table>	Projected State Funding	\$1,309,000	Local Cash		Other:		Other:		TOTAL	\$1,309,000
Projected State Funding	\$1,309,000										
Local Cash											
Other:											
Other:											
TOTAL	\$1,309,000										

Project Title: Prentis Street Lift Station

Description: (Include present monthly utility rate.)

The City of Vermillion is proposing to replace its Prentis Street Lift Station and replace a portion of the downstream sewer. The City is proposing to replace the wetwell/can-style drywell lift station, 714 feet of pipe and manholes in Clark Street from Prentis Street to Plum Street, 943 feet of pipe and manholes in Plum Street from Clark Street to 200 feet south of National Street and 382 feet of pipe and manholes in the alley approximately 200 feet south of National Street. The existing lift station is undersized; much of the equipment within the drywell has reached the end of its useful life. The upstream sewer and force main have adequate capacity; however, the downstream sewer is undersized. The project includes replacement of aging brick manholes.

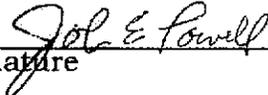
A typical residential customer with a 3/4" meter would have a sewer bill of \$37.14 for 5,000 gallons of use.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Jack Powell, Mayor

 Name & Title of Authorized Signatory
 (Typed)



 Signature

1-28-16

 Date

State Water Plan Application

Applicant: City of Viborg Address: 101 N. Main Street Viborg, SD 57070 Phone Number: 605-326-5103	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; border-bottom: 1px solid black;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Projected State Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$135,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$135,000</td> </tr> </table>	Proposed Funding Package		Projected State Funding	\$135,000	Local Cash	_____	Other:	_____	Other:	_____	TOTAL	\$135,000
Proposed Funding Package													
Projected State Funding	\$135,000												
Local Cash	_____												
Other:	_____												
Other:	_____												
TOTAL	\$135,000												

Project Title: Viborg Wastewater

Description: (Include present monthly utility rate.)

The City of Viborg is proposing to construct improvements to its sanitary sewer collection system. The City is proposing to replace sanitary sewer main clay pipe, clay pipe services, and dilapidated brick manholes. The City is also proposing to install a manhole at the end of the main where one currently does not exist to improve access for cleaning. The existing collection system has exceeded its useful life and is experiencing inflow and infiltration (I/I). The projects limits on Agnes Street include improvements from Park Avenue to 250' north of Blaine Avenue. Upgrades are needed to reduce I/I in the system, improve maintenance, and provide a reliable gravity sewer to the residents.

The City of Viborg has a reserve fund established for its utility. Its current sewer rate is \$23.83 per month for 5,000 gallons.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Steve Bendt, Mayor	<i>Steve a Bendt</i>	01-28-16
Name & Title of Authorized Signatory (Typed)	Signature	Date

State Water Plan Application

Applicant: Viewfield Rural Water Association Inc. Address: 22014 New Underwood Road New Underwood, SD 57761 Mr. Larry Gossard, President Phone Number: 605-515-3613	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Projected State Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$250,000.00</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$250,000.00</td> </tr> </table>	Projected State Funding	\$250,000.00	Local Cash	_____	Other: _____	_____	Other: _____	_____	TOTAL	\$250,000.00
Projected State Funding	\$250,000.00										
Local Cash	_____										
Other: _____	_____										
Other: _____	_____										
TOTAL	\$250,000.00										

Project Title: Viewfield Rural Water Association - Radium 226/228 Mitigation

Description: (Include present monthly utility rate.)

Present Monthly Utility Rate: \$120.00 per month (base rate for 9000 gal), + \$3.00/1000 gal.

This project adds Sodium-based water softening to both of the water well sources in the Viewfield Rural Water System, by softening approximately half of the raw production water, to bring the radium 226/228 constituents below the EPA maximum of 5 pCi/L.

The discharge from the softeners is to be routed to a clay-lined or EPDM (or similar)-lined total-containment pond, sized to provide evaporation of the incoming volume of discharge from the softeners.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Mr. Larry Gossard, President

 Name & Title of Authorized Signatory
 (Typed)

Larry Gossard

 Signature

1-27-2016

 Date

TITLE: Amendment to the FY 2015 Clean Water SRF Intended Use Plan

EXPLANATION: The FY 2015 Clean Water State Revolving Fund Intended Use Plan was approved by the Board of Water and Natural Resources in November 2014 and amended in March, June, and September 2015.

For a project to utilize principal forgiveness allowed by a specific capitalization grant it must be on the Intended Use Plan associated with that capitalization grant. In order to maximize the use of each year's capitalization grant, it is necessary to amend projects to prior years' Intended Use Plans.

It is proposed to amend Attachment I - Project Priority List of the FY 2015 Clean Water Intended Use Plan by adding the following entry:

Priority Points	Loan Recipient	Estimated Loan Amount	Expected Loan Rate & Term
12	Astoria	\$660,000	3.25%, 30 years

RECOMMENDED ACTION: Approve the proposed amendments to the 2015 Clean Water SRF Intended Use Plan

CONTACT: Andy Bruels, 773-4216

TITLE: Tripp County Water User District Request to Amend Scope for Drinking Water State Revolving Loan C462434-04

EXPLANATION: The Tripp County Water User District was awarded an \$11,750,000 Drinking Water State Revolving Fund loan on March 28, 2014. The loan is for 30 years at 2.25 percent interest. The project, as presented to the board, involves upgrades including installation of more than 195 miles of new and parallel mains, booster station improvements, replacing about 85 existing meter pits with pull up style pits, providing water service for up to 94 new users, and constructing new water towers at Burke and Fairfax.

In February 2016, the Tripp County Water User District submitted a letter to the Board of Water and Natural Resources requesting an amendment to the project scope to expand the project with similar type work in other parts of the service area. The original project is nearly complete, and it is anticipated that final costs will be about \$10,110,000, which is about \$1,640,000 less than the available funding.

The district decided that it would be prudent to use the remaining DWSRF funds, plus an estimated \$427,000 of local funds, to make additional improvements to the system that had been planned for future projects. The additional work is essentially the same as work in the current construction contract and can be added to the current construction contract by change order.

RECOMMENDED ACTION: Authorize change to the project scope

CONTACT: Eric Meintsma, 773-4216

**Tripp County Water User District
1052 West 1st Street
Winner, South Dakota 57580**

Telephone: (605) 842-2755

Fax: (605) 842-1621

February 24, 2016

DENR
Attn: Mike Perkovich
PMB 2020
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

RE: Tripp County Water User District Request for Project Scope Amendment

Dear Board of Water and Natural Resources,

Tripp County Water User District is respectfully requesting the Board of Water and Natural Resources to approve an amendment to the project scope to expand our current project with similar type work in other parts of the service area. The original project is nearly complete and it is anticipated that final costs will be about \$10,110,000 which is about \$1,640,000 less than the available funding.

The Board decided that it would be prudent to use the remaining DWSRF funds plus an estimated \$427,000 of local funds to make additional improvements to the system that had been planned for future projects. The additional work is essentially the same as work in the current construction contract and can be added to the current construction contract by change order.

If you have any questions regarding the continuation of work, please feel free to call our office at 842-2755 and visit with Russ Phillips.

Thank you for your consideration.

Sincerely,

Craig Covey
Chairman

Cc: File

March 30-31, 2016

Item 7

TITLE: Ellsworth Development Authority Request to Amend Scope for Consolidated Loan 2014L-107

EXPLANATION: On August 14, 2012, the Ellsworth Development Authority received a \$16,000,000 State Revolving Fund loan for the construction of a regional wastewater treatment facility. On March 28, 2013, the Authority received another State Revolving Fund loan for \$6,812,000 for a sanitary sewer interceptor and outfall line. The Authority also received a Consolidated Water Facilities Construction Fund loan of \$1,469,000 for water system improvements.

The Department has recently received a request from the Ellsworth Development Authority that the project description for the 2012 Consolidated loan (2014L-107) be changed by adding the following description: SDEDA Regional Wastewater Treat Facility to meet the needs of both Box Elder and Ellsworth Air Force Base as outlined in the facilities plan dated March 2008.

RECOMMENDED

ACTION: Approval of the project description change to the 2012 Consolidated Loan.

CONTACT

PERSONS: Jim Anderson (773-4216)



Ellsworth Development Authority

PO Box 477 • Rapid City, SD 57709 • Tel 605-719-3844

March 1, 2016

To: South Dakota Department of Environment and Natural Resources
Subject: Request a change in the Description of the Project for Bonds 2013 C and D.

The South Dakota Ellsworth Development Authority (SDEDA) requests a change to the Consolidated Loan Agreement EXHIBIT A - DESCRIPTION OF THE PROJECT for Revenue Bond Series 2013C and Revenue Bond Series 2013D.

Add the following to the description in The DESCRIPTION OF THE PROJECT for each of the Revenue Bonds:

SDEDA Regional Wastewater Treatment facility to meet the needs of both Box Elder and Ellsworth Air Force Base as outlined in the facilities plan dated March 2008.

A handwritten signature in blue ink, appearing to read "Scott Landguth".

Scott Landguth, Executive Director
South Dakota Ellsworth Development Authority

TITLE: Lake Poinsett Sanitary District Request to Amend Scope for Clean Water State Revolving Fund Loan C461027-04

EXPLANATION: On March 28, 2014, the Lake Poinsett Sanitary District received a \$1,917,000 State Revolving Fund loan, \$812,000 Water Quality grant, and \$1,000,000 Consolidated grant for the construction of a sewer collection and wastewater treatment facility.

The Department has recently received a request from the Lake Poinsett Sanitary District to change the project description from a grey-water sewer system, which utilizes onsite septic tanks, to a conventional sewer system.

RECOMMENDED ACTION: Approval of the change in scope for the Wastewater Expansion Project on Northeast and East Lake Drives, Lake Poinsett.

CONTACT PERSONS: Claire Peschong (773-4216)



RESOLUTION NO. 2015-12-13

RESOLUTION APPROVING A CHANGE IN SCOPE FOR THE EXPANSION PROJECT ON NORTHEAST AND EAST LAKE DRIVES, LAKE POINSETT, AUTHORIZING LPSD TO PURSUE INSTALLATION OF A CONVENTIONAL SEWER SYSTEM INSTEAD OF A GREY-WATER SEWER SYSTEM

WHEREAS, the Lake Poinsett Sanitary District (the "District") has determined it is necessary to proceed with installation of a conventional sewer system instead of the grey-water sewer system originally planned,

WHEREAS, the District has determined that installation of a conventional sewer system is in the best interest of the Lake Poinsett community,

NOW THEREFORE BE IT RESOLVED by the District as follows:

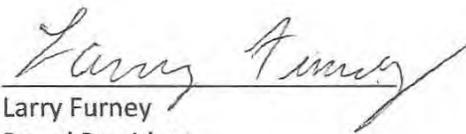
1. The District hereby approves installation of a conventional sewer system for Northeast and East Lake Drives,
2. The District authorizes Banner Engineering to make the necessary changes to the plans for the system,
3. The District hereby requests the Department of Environment and Natural Resources and the South Dakota Board of Water and Natural Resources to recognize the change in scope of the project,
4. The District hereby notifies DENR and the SDBWNR that no change in the financial packages previously awarded is requested or intended,

Adopted at the Lake Poinsett Sanitary District Board Meeting, South Dakota, this 12th day of December 2015.

APPROVED:

(SEAL)

Attest: 
Bradylee McGeough
Business Manager and Clerk of District


Larry Furney
Board President
Lake Poinsett Sanitary District

TITLE: Pierre Request to Amend Solid Waste Management Loan 2016G-RLA-201

EXPLANATION: On June 25, 2015, the city received a Regional Landfill Assistance loan for \$245,000 and Regional Landfill Assistance grant for 40 percent, not to exceed \$330,000, to replace the baler at the regional landfill. The city has had a change in the available cash to finance the remainder of the project and has requested the \$250,000 planned from local cash be funded by increasing the loan amount.

RECOMMENDED ACTION: Approve the amendment request.

CONTACT: Andy Bruels (773-4216)

January 20, 2016



SD Department of Environment and Natural Resources
Andy Bruels, Engineering Manager
Water & Waste Funding Program
523 E Capitol Ave
Pierre, SD 57501

RE: Solid Waste Baler Replacement 2016G-RLA-201

Dear Mr. Bruels –

Please accept this letter as a request to amend the Solid Waste Management Program Loan amount from \$245,000 to \$495,000. The City of Pierre applied for Funding in March of 2015 for replacement of the Solid Waste Baler estimated to cost \$825,000. At the time of application, the City indicated local cash provided would be \$250,000. The City was awarded a grant for 40%, up to \$330,000 of the project, and a loan for \$245,000. After the City completed the 2016 budget process, there was not adequate funding available for the \$250,000 to be provided by the City. As a result, we are requesting to amend our loan to fully fund the amount of the project not funded by the grant award of 40% of the project cost not to exceed \$330,000. I appreciate your consideration of this request to increase the loan award amount from \$245,000 to \$495,000. If you have any questions, feel free to contact me.

Sincerely,

Leon Schochenmaier
City Administrator



TITLE: Rescission of Brandon Clean Water State Revolving Fund Loan C461032-05

EXPLANATION: In March 2015, Brandon was awarded a \$3,000,000 Clean Water SRF loan to address environmental concerns and continue with design and land acquisition for a project to construct a new wastewater treatment facility and major collection system improvements.

Brandon has abandoned the plan to construct its own wastewater treatment facility and has put the collection system improvements on hold. The city has requested the board rescind Clean Water State Revolving Fund Loan C461032-05.

RECOMMENDED ACTION: Rescind Resolution #2015-30 approving Clean Water State Revolving Fund Loan C461032-05 to the city of Brandon.

CONTACT: Mike Perkovich
773-4216



CITY OF BRANDON
304 Main Avenue, P.O. Box 95, Brandon, SD 57005
Telephone: (605) 582-6515 FAX: (605) 582-6831
E-mail: bread@cityofbrandon.org

March 10, 2016

Andrew Bruels
Engineering Manager
Water and Waste Funding Program
South Dakota DENR
523 E. Capitol
Pierre, SD 57501

Re: Brandon CWSRF Loan Application

Dear Mr. Bruels:

The City of Brandon does not plan to proceed with engineering for the trunk line sewer work at the present time. Therefore, the City of Brandon respectfully requests that the funding for the engineering work for this project be rescinded at this time.

If you have any questions, feel free to contact me at your convenience.

Sincerely,

Larry D. Beesley
Mayor

TITLE: Waubay Request to Amend Clean Water State Revolving Fund Loan C461025-03 and/or Consolidated Grant 2016G-100

EXPLANATION: In March 2015, Waubay was awarded a \$1,080,000 Clean Water SRF loan and a Consolidated grant for \$700,000 to construct a new wastewater treatment facility. The total project cost was estimated to be \$2.2 million. The town is under a compliance order to construct a total retention treatment system after a portion of the existing facility was inundated by Bitter Lake and is no longer functional.

The landowner is no longer willing to sell the land originally identified for the expansion. The town opted to find a new location rather than pursue eminent domain. The cost of the relocated project is \$4,235,000.

Waubay has requested additional funds to complete the project. The community intends to apply for Community Development Block Grant by the April 1, 2016 deadline.

RECOMMENDED ACTION: Approve/disapprove the amendment request.

CONTACT: Mike Perkovich
773-4216

THE CITY OF WAUBAY

Phone: 605-947-4261

PO BOX 155

Fax: 605-947-4272

Waubay, SD 57373

February 1, 2016

DENR-Andrew Bruels
Joe Foss Building
523 East Capitol
Pierre, SD 57501

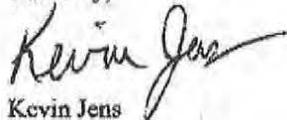
Dear Mr. Bruels:

In March 2015, the City of Waubay received funds from the Clean Water State Revolving Fund (CWSRF) loan program in the amount of \$1,080,000 and the Consolidated Water Facilities Program (CWFCP) in the amount of \$700,000 for lagoon improvements. Since the time of application there have been changes to the project which have affected the total estimated cost of the project.

The project design has changed from an artificial wetland and stabilization pond to a total retention facility because discharge to Bitter Lake is no longer acceptable with its revised fishery beneficial use designation. The opinion of probable cost in 2014 was for a stabilization pond with constructed wetland and had a total estimated cost of \$2,193,700. The new project estimate for total retention ponds has increased to \$4,325,000. The difference leaves the City with a funding shortfall of \$2,131,300. Additional funding is needed for construction of the new treatment ponds due to the new proposed site and design, therefore the City is requesting an amendment to the DENR funding awards to increase the funding by \$2,131,000 to cover the additional cost of the project.

Waubay is committed to the lagoon improvements project and your consideration in regards to this matter is greatly appreciated. If you have any questions, please contact either Jennifer Sietsema with NEOCG at 605-626-2595, or the City of Waubay at 605-947-4261.

Sincerely,



Kevin Jens
Mayor

"In the Heart of the Lake Region"

TITLE: Rescission of Lake Byron Clean Water State Revolving Loan C461052-01 and Consolidated Water Facilities Construction Program Grant 2015G-103.

EXPLANATION: In March 2014, the Lake Byron Watershed District was awarded a \$1,843,000 Clean Water State Revolving Fund loan and \$500,000 Consolidated Water Facilities Construction Program grant to construct a centralized wastewater collection and treatment facility. The total project cost was \$3,693,000, and the remaining \$1,350,000 was to come from assessments placed on landowners in the district. The awards were contingent upon the Lake Byron Watershed District amending its General Improvement Plan and holding an election to approve the loan and the levying of a special assessment of \$6,000 per landowner by April 1, 2015.

Due to the unique challenges involving the powers and authorities of a watershed district, staff recommended consideration be given to forming a sanitary district. The Lake Byron Sanitary District was incorporated in April 2015. With the formation of the sanitary district, the elections needed to satisfy the contingencies were not conducted.

Since the formation of the sanitary district, little progress has been made to move the project forward. Due to the limited grant funds available for the upcoming year, staff is seeking to rescind the award to Lake Byron.

RECOMMENDED ACTION: Rescind Resolution #2014-24 that approved the Clean Water State Revolving Fund loan and Resolution #2014-25 that approved the Consolidated Water Facilities Construction Program grant

CONTACT: Mike Perkovich
773-4216



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

February 12, 2016

Tim Ketcham, Chairman
Lake Byron Sanitary District
40469 North Shore Road
Huron, SD 57350

Reinhold Fuerst, Board President,
Lake Byron Watershed District
40388 South Shore Drive
Huron, SD 57350-8118

Dear Mssrs. Ketcham and Fuerst:

In March 2014, the Lake Byron Watershed District was awarded a \$1,843,000 Clean Water State Revolving Fund loan and \$500,000 Consolidated grant to construct a centralized wastewater collection and treatment facility. The awards were contingent upon the Lake Byron Watershed District amending its General Improvement Plan and holding an election to approve the loan and the levying of a special assessment of \$6,000 per landowner by April 1, 2015.

At that time, we suggested that a sanitary district would be a more appropriate entity to construct, own, and operate a wastewater treatment facility. The funding could be transferred from the watershed district to the sanitary district when requested. We commend you for forming the Lake Byron Sanitary District; however, there appears to be no progress being made to move the project forward. It further appears that even with the funding offered by the Board two years ago, you still need to obtain additional funds to make this project viable.

We are currently reviewing the funding applications that will be acted upon at the March 30-31, 2016 Board of Water and Natural Resources meeting. We have 24 applications for water and wastewater projects seeking more than \$63 million in funding. Several of these projects need considerable grant funds to proceed. Unfortunately, sufficient grant funds are not available to address the needs of all the applicants.

In order to provide grant assistance to projects that are ready to proceed, we will recommend to the board at its March meeting that the grant funding awarded to the Lake Byron Watershed District be rescinded. Because your project would not be viable without that grant funding we will also recommend that the Clean Water State Revolving Fund loan be rescinded as well.

We encourage the Lake Byron Sanitary District to continue its efforts to construct a centralized wastewater collection and treatment facility. When a tangible plan to finance the project is developed, the district can resubmit its project for consideration.

Please feel free to contact me if you would like discuss this matter further.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael A. Perkovich". The signature is fluid and cursive, with a prominent loop at the end.

Michael A. Perkovich, P.E.
Water Resources Assistance Program
Email: mike.perkovich@state.sd.us
Telephone: 605-773-4216

cc: Ted Dickey, Northeast Council of Governments, Aberdeen
Terry Helms, Helms and Associates, Aberdeen

TITLE: Emery Request to Amend Drinking Water State Revolving Fund Loan C462248-01.

EXPLANATION: On June 25, 2015, the city of Emery received a \$1,585,000 Drinking Water SRF loan (DW-01) and a \$615,000 Consolidated grant for the replacement of the water distribution system that has outlived its useful life. At the time of the staff recommendation, it was noted that Emery's rates would need to be over \$74.00 to provide coverage on the loan. Staff acknowledged the high rates; however, additional subsidy was not available at that time, and it was suggested Emery request an amendment for consideration of additional subsidy at the March 2016 meeting.

An updated cost estimate of the project by Johnson Engineering indicates that the current drinking water funding package will have a project shortfall of approximately \$155,000. To account for this shortfall, the city requests to amend its Drinking Water funding package for an additional \$155,000.

RECOMMENDED ACTION: Approve the amendment request.

CONTACT: Andy Bruels (773-4216)

City of Emery

PO Box 38 560 SD Hwy 262
Emery, SD 57332
605.449.4455
emerycity@friotel.net



December 28, 2015

DENR

Attn: Mike Perkovich

Joe Foss Building

523 E Capitol

Pierre, SD 57501

RECEIVED

JAN 08 2016

Division of Financial
& Technical Assistance

Board of Water and Natural Resources,

The City of Emery is requesting the Board consider providing additional subsidy for the drinking water portion of the improvement project. This request is based on DENR's staff recommendation to request additional subsidy for their March meeting.

This project will have a total customer impact of an increase of \$61.71 per month per customer which is very significant. As part of the application process in an effort to qualify for more grant dollars we conducted a survey of the residents and found that more than 50% of our residents fell below the median household income of \$39,272. The City is striving to keep rates as low as possible for our customers and additional subsidy would put us in the right position to accomplish this.

Sincerely,

A large, handwritten signature in black ink, appearing to read "Joshua Kayser", is written over the word "Sincerely,".

Joshua Kayser

Mayor

City of Emery

TITLE: Sanitary/Storm Sewer Facilities Funding Applications

EXPLANATION: The following applications have been received by DENR for funding consideration at this meeting. The projects are listed in priority point order as shown in the Intended Use Plan, and the points are listed in parentheses.

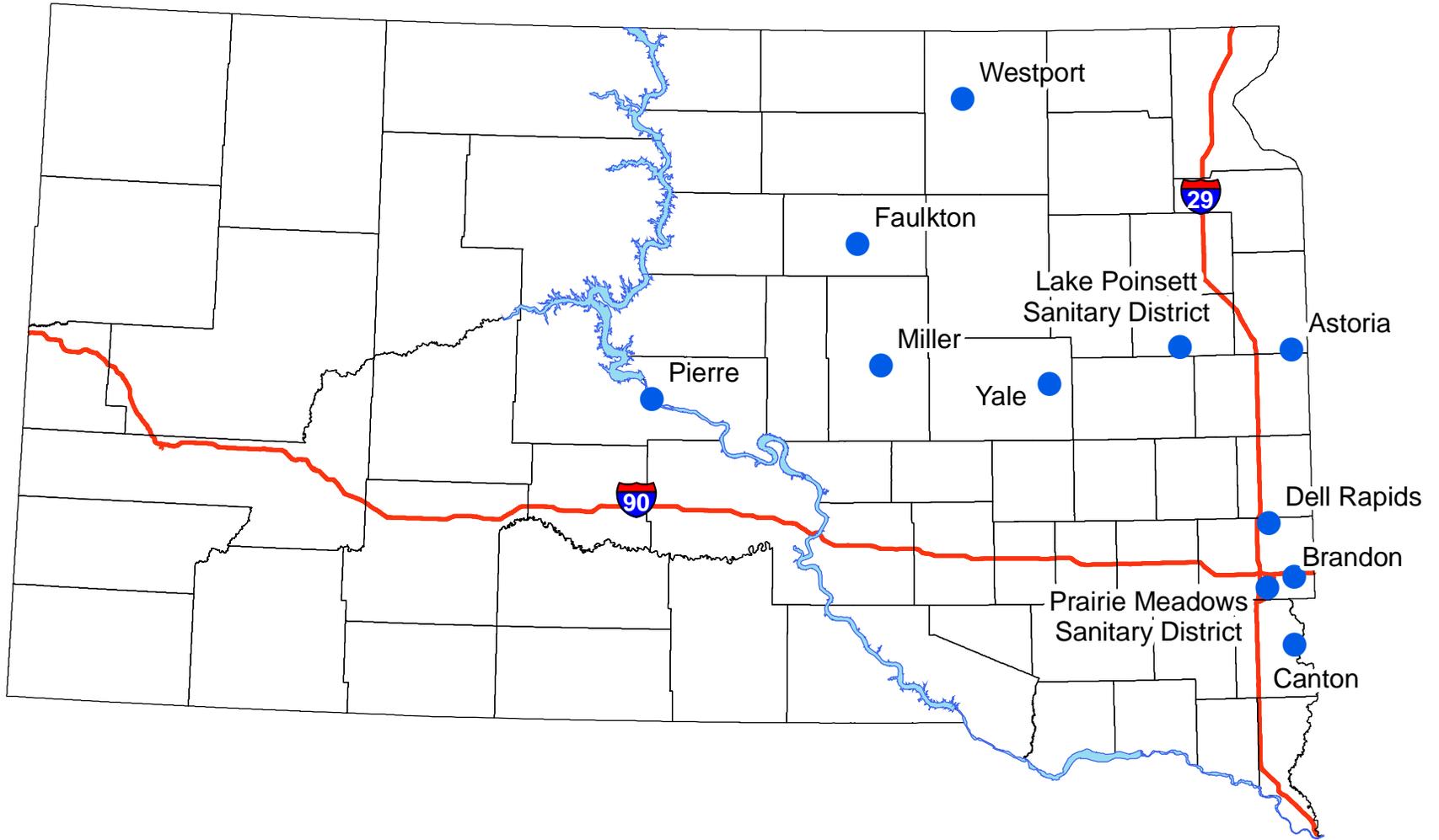
- | | |
|--------------------------|---------------------------|
| a. Dell Rapids (26) | g. Brandon (11) |
| b. Lake Poinsett SD (23) | h. Canton (10) |
| c. Westport (20) | i. Dell Rapids (10) |
| d. Pierre (18) | j. Faulkton (8) |
| e. Miller (15) | k. Prairie Meadows SD (8) |
| f. Astoria (12) | l. Yale (4) |

COMPLETE APPLICATIONS: Application cover sheets and WRAP summary sheets with financial analysis have been provided as part of the board packet. Complete applications are available online and can be accessed by typing the following address in your internet browser:

<http://denr.sd.gov/bwnrapps/BWNRappsssf0316.pdf>

If you would like hard copies of the applications, please contact Mike Perkovich at (605) 773-4216.

Sanitary / Storm Sewer Facilities Applications March 2016



Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Dell Rapids Address: PO Box 10 Dell Rapids, SD 57022 Subapplicant: DUNS Number: 170381602	Proposed Funding Package <div style="text-align: right;"> Requested Funding <u> \$5,758,000 </u> Local Cash <u> </u> Other: <u> </u> Other: <u> </u> Other: <u> </u> <div style="text-align: right;"> TOTAL <u> \$5,758,000 </u> </div> </div>
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Project Title: 2016 Wastewater Treatment Facility Improvement Project

Description:

Dell Rapids' wastewater treatment facility was built as a two cell system in 1974. In 2000, cell three was added and the depth of cell two was increased. The City was issued a new surface water discharge permit on November 1, 2014, and because the City has had multiple ammonia limit violations, the permit included a compliance schedule to meet effluent limits.

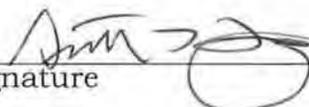
The City is proposing that a sequencing batch reactor (SBR) system be constructed on the existing wastewater treatment site to allow the City to bring the system into compliance and meet ammonia limits that will be implemented in 2017 by SD DENR. The SBR system will also meet the City's future wastewater treatment needs.

The City has a wastewater reserve fund. The City's current rate for 5,000 gallons of wastewater is \$36.38. This rate will increase to \$43.64 in 2016.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Scott Fiegen, Mayor
 Name & Title of Authorized Signatory
 (Typed)


 Signature Date 12-30-15

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF DELL RAPIDS

Project Title:	2016 Wastewater Treatment Facility Improvement Project
Funding Requested:	\$5,758,000
Total Project Cost:	\$5,758,000
Project Description:	<p>Dell Rapids is proposing to construct a sequencing batch reactor (SBR) system on the site of existing wastewater treatment facility. The SBR system would consist of a splitter box structure, pre-treatment unit, sequencing batch reactor, UV disinfection, SCADA system, stand-by generator and equalization basin lift station. The project would also include approximately 3,300 feet of 12-, 16- and 24-inch gravity sewer and appurtenances.</p>
Alternatives Evaluated:	<p>The “No Action” alternative was rejected because the city has had numerous ammonia limit violations. As a result of the violations, the new surface water discharge permit issued on November 1, 2014 included a compliance schedule to meet effluent limits.</p> <p>The city evaluated eight alternatives for wastewater treatment in the original Facilities Plan. They included 180-day storage with aeration, Submerged Attached Growth Reactor (SAGR), 210-day storage with irrigation, mechanical treatment, regionalization with Sioux Falls, SAGR/ANSAGR system with nutrient removal and total retention ponds. The SAGR/ANSAGR system was recommended because it allowed the owner to construct the SAGR portion of the facility now to meet ammonia limits and the nutrient removal system at a later time to comply with nutrient removal requirement if necessary.</p> <p>Later in 2015, the city requested that a more thorough review of the mechanical treatment options be completed and compared to the SAGR/ANSAGR system that was originally selected. An amended Facilities Plan was submitted to the city that evaluated conventional activated sludge, extended aeration, trickling filters/rotating biological contactors, membrane bioreactor, sequencing batch reactor and moving bed bioreactor (MBBR). The city narrowed the evaluation to the SAGR/ANSAGR, MBBR and SBR systems. The SBR system has been selected and will be constructed in two phases. The first phase will bring the city into compliance with current</p>

ammonia limits and the second phase would be for nutrient removal.

Implementation Schedule: Design of the project will begin in the summer of 2016 with construction starting in the fall of 2016 and continuing through 2017.

Service Population: 3,700

Current Domestic Rate: \$43.64 per 5,000 gallons usage

Interest Rate: 3.25% Term: 30 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Dell Rapids would have to establish a surcharge of approximately \$20.70. When added to current rate of 43.64/5,000 gallons residents would be paying \$64.34/5,000 gallons. However, Dell Rapids has a second funding application which will require rates of approximately \$40.40/5,000 gallons to provide the required 110% coverage if no subsidy is provided on the second loan. This would bring the water rate to \$61.10-\$64.34/5,000 gallons.

25% Funding Subsidy: \$1,439,500 subsidy with a loan of \$4,318,500.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$4,318,500 Dell Rapids would have to establish a surcharge of approximately \$15.55. However, due to the second funding application Dell Rapids would have rates between \$55.95-\$58.79/5,000 gallons.

50% Funding Subsidy: \$2,879,000 subsidy with a loan of \$2,879,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$2,879,000 Dell Rapids would have to establish a surcharge of approximately \$10.35. However, due to the second funding application Dell Rapids would have rates between \$50.75-\$54.00/5,000 gallons.

75% Funding Subsidy: \$4,318,500 subsidy with a loan of \$1,439,500.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$1,439,500 Dell Rapids would have to establish a surcharge of approximately \$5.25. However, due to the second funding application Dell Rapids would have rates between \$45.65-\$48.89/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: JIM ANDERSON

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

WRAP REVIEW SHEET
Sanitary/Storm Sewer Facilities Funding Application
APPLICANT: LAKE POINSETT SANITARY DISTRICT

Project Title: West and Northwest Lake Drive Wastewater Expansion

Funding Requested: \$8,580,000

Total Project Cost: \$8,580,000

Project Description: The Lake Poinsett Sewer Improvements project is a multi-phase project that involves constructing three new total retention stabilization ponds and a wastewater collection system to replace or remove the existing on-site septic systems.

In order to make the proposed plan financially feasible, the planning/service area was broken up into three project areas. Each project area was broken into segments.

- Project area 1 = 3 segments
- Project area 2 = 1 segment
- Project area 3 = 5 segments

The current funding application will construct all five segments in project area 3. This project will connect the northwest portion of the lake to a community sewer line and construct a new wastewater treatment pond. Wastewater collection and treatment has been installed for project area 1 and is under design for project area 2.

Alternatives Evaluated: The No Action alternative is not considered a feasible alternative for the Lake Poinsett Sanitary District. The use of existing septic systems that are possibly leaking or to near the lake will continue to be a problem if not corrected.

Project Area 3 will be constructed in two phases. At the completion of these two phases, construction will include approximately 30,000 feet of gravity sewer, 24,000 feet of force main, 14 lift stations, 40 grinder pump stations, and the construction of a new wastewater treatment pond system on the northwest side of Lake Poinsett. Approximately 167 new users will be connected to the Lake Poinsett Sanitary District wastewater collection system as a result of this project.

Implementation Schedule: The Lake Poinsett Sanitary District anticipates bidding and constructing the first phase by summer 2017 with completion in fall 2018. The second phase will be bid in summer 2018 with completion in fall 2019.

Service Population: 754

Current Domestic Rate: \$59.33 flat rate

Interest Rate: 3.25% Term: 30 years Security: Surcharge Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Lake Poinsett Sanitary District would have to establish a surcharge of approximately \$55.30. When added to current rate of \$59.33 residents would be paying a flat rate of \$114.63.

25% Funding Subsidy: \$2,145,000 subsidy with a loan of \$6,435,000.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$6,435,000 Lake Poinsett Sanitary District would have to establish a surcharge of approximately \$41.47. Thereby paying a flat rate of \$100.80.

50% Funding Subsidy: \$4,290,000 subsidy with a loan of \$4,290,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$4,290,000 Lake Poinsett Sanitary District would have to establish a surcharge of approximately \$27.65. Thereby paying a flat rate of \$86.98.

75% Funding Subsidy: \$6,435,000 subsidy with a loan of \$2,145,000.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$2,145,000 Lake Poinsett Sanitary District would have to establish a surcharge of approximately \$13.82. Thereby paying a flat rate of \$73.15.

ENGINEERING REVIEW COMPLETED BY: CLAIRE PESCHONG

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Town of Westport Address: PO Box 18 Westport, SD 57481 Subapplicant: DUNS Number: 011414755	Proposed Funding Package <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right;">\$617,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>Other:</td> <td>_____</td> </tr> <tr> <td>Other:</td> <td>_____</td> </tr> <tr> <td>Other:</td> <td>_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right;">\$617,000</td> </tr> </table>	Requested Funding	\$617,000	Local Cash	_____	Other:	_____	Other:	_____	Other:	_____	TOTAL	\$617,000
Requested Funding	\$617,000												
Local Cash	_____												
Other:	_____												
Other:	_____												
Other:	_____												
TOTAL	\$617,000												

Project Title: Westport Wastewater and Storm Sewer Improvement Project

Description:

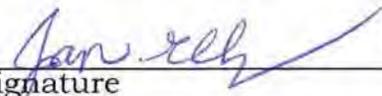
The Town of Westport is proposing to replace the lift station and add additional storm sewer lines in town.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Jan Ellefson, Town President

 Name & Title of Authorized Signatory
 (Typed)



 Signature

December 29, 2015

 Date

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: TOWN OF WESTPORT

Project Title: Wastewater and Storm Sewer Improvements

Funding Requested: \$617,000

Total Project Cost: \$617,000

Project Description: This project includes replacing the existing lift station with a duplex submersible lift station and installing 2,800 feet of PVC storm sewer line.

Alternatives Evaluated: “No Action Alternative” is not recommended as it does not correct the deteriorating condition of the lift station or address the undersized storm sewer system.

“Submersible Lift Station Alternative” includes replacing the existing lift station and installing a duplex submersible lift station, backup generator, alarms, and new air release valves. This alternative also includes utilizing the new pumps in the existing lift station and purchasing an additional pump to have on standby.

“Storm Sewer System Alternative” includes installing 2,800 feet of storm sewer line to replace the existing undersized lines. The existing system contains 6- and 8-inch vitrified clay pipe that was once part of the sanitary sewer system and is undersized and deteriorating.

Implementation Schedule: The town of Westport plans to advertise bids for this project in August of 2016 with a completion date of May 2017.

Service Population: 133

Current Domestic Rate: \$30.00 flat rate

Interest Rate: 3.25% Term: 30 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan the town of Westport would have to establish a surcharge of approximately \$54.80. When added to current rate of \$30.00 residents would be paying a flat rate of \$84.80.

25% Funding Subsidy: \$154,250 subsidy with a loan of \$462,750.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$462,750 the town of Westport would have to establish a surcharge of approximately \$41.15 thereby paying a flat rate of \$71.15.

50% Funding Subsidy: \$308,500 subsidy with a loan of \$308,500.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$308,500 the town of Westport would have to establish a surcharge of approximately \$27.40 thereby paying a flat rate of \$57.40.

75% Funding Subsidy: \$462,750 subsidy with a loan of \$154,250.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$154,250 the town of Westport would have to establish a surcharge of approximately \$13.75 thereby paying a flat rate of \$43.75.

ENGINEERING REVIEW COMPLETED BY: CLAIRE PESCHONG

FINANCIAL REVIEW COMPLETED BY: JON PESCHONG

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF PIERRE

Project Title:	Wastewater Treatment Facility Improvements - 2016
Funding Requested:	\$3,821,100
Total Project Cost:	\$3,821,100
Project Description:	<p>The project includes improvements to the grit removal system, primary clarifier, air piping to the air lift pump station and aeration basins. This will involve replacing the grit mechanisms and controls, primary clarifier mechanisms and weirs, and rerouting the aeration piping. The proposed project also includes modifications to the disinfection process. This will include replacing the existing chlorine disinfection system with ultraviolet disinfection.</p> <p>The project also involves upgrading the aeration basin compressed air piping system by modifying the supply air piping and upgrading the blowers. The wastewater facility control system will be upgraded to accommodate these changes as well as other miscellaneous updates to enhance plant operations.</p>
Alternatives Evaluated:	<p>Grit Removal Rehabilitation Alternatives:</p> <ol style="list-style-type: none">1. No Action Alternative – The current system equipment is wearing out and in need of replacement. Grit removal provides protection of machinery throughout the treatment process and is considered important in the operation and maintenance of that equipment. This alternative was not selected.2. Vortex Grit Removal Alternative – This alternative replaces the existing equipment with the same equipment currently in place except stainless steel will be used for better corrosion protection. This is the chosen alternative because of the reduced operation and maintenance costs as well as a longer service life of the equipment.3. Grit Separator Alternative – This alternative replaces the vortex system with a new technology similar to the vortex system. Installing this grit removal system would require the addition of a lift station and major modifications to the grit chamber so it is not the chosen alternative.

Primary Clarifier Rehabilitation Alternatives:

1. No Action Alternative – The current system equipment is badly corroded and needs to be replaced before it fails. This alternative was not selected.
2. Stainless Steel Mechanisms Alternative – The mechanisms and drives will be replaced with stainless steel under this alternative. This is the chosen alternative because of the reduced operation and maintenance costs as well as a longer service life of the equipment.
3. Carbon Steel Mechanisms Alternative – Replace the mechanisms with carbon steel. This alternative has a lower initial cost but was rejected due to the higher maintenance cost and reduced life span due to corrosion.

Compressed Air Pipeline Replacement Alternatives:

1. No Action Alternative – The existing pipe has developed holes and is no longer efficient. This alternative was not selected.
2. Below Ground Piping Alternative – Replace air piping below grade. The existing pipe has developed holes and is no longer efficient. This is the chosen alternative due to the lower cost.
3. Above Ground Piping Alternative – Replace air piping with new stainless steel pipe above grade. This was not chosen due to the higher cost.

Disinfection Alternatives:

1. No Action Alternative – The current system equipment is inadequate to consistently meet permit required treatment.
2. Replace with New Chlorine System Alternative – This alternative replaces the chlorine based disinfection system equipment with the same process currently in place. This was rejected due to the difficulties with the storage and usage of chlorine gas and it's not the least cost alternative.
3. Ultraviolet Disinfection Alternative – This alternative replaces the current chlorine based system with an ultraviolet process. This is the chosen alternative.
4. Ozone Disinfection Alternative – This alternative replaces chlorine based disinfection with ozone. Ozone generation involves high electrical capabilities since ozone would need to be generated on site. This alternative was rejected due to the high cost of

equipment and operation.

Aeration Basin Air Piping Replacement Alternatives:

1. No Action Alternative – The current piping that provides air to the aeration basins is underground and has developed numerous leaks. The system is operational but not efficient. This alternative was not selected.
2. Replace Piping in place with Underground Piping Alternative – This alternative was rejected due to the difficulties in monitoring and repairing leaks.
3. Replace Piping with Above Ground Piping Alternative – This alternative was chosen because it resolves the maintenance issues.

Control System Improvements Alternatives:

1. No Action Alternative – Parts of the current control system are not operational requiring manual review and control of the system. This is inefficient and causes systems to be out of range for periods of time jeopardizing the treatment. This alternative was not selected.
2. Control System Upgrade Alternative – This alternative was chosen so the system can be efficiently operated.

Implementation Schedule:	City of Pierre anticipates bidding the project in April 2016 with a project completion date of December 2017.
Service Population:	13,984
Current Domestic Rate:	\$40.84 per 5,000 gallons usage
Interest Rate: 3%	Term: 20 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Pierre would have to establish a surcharge of approximately \$3.60. When added to current rate of \$40.84/5,000 gallons residents would be paying \$44.44/5,000 gallons.

25% Funding Subsidy: \$955,250 subsidy with a loan of \$2,865,750.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$2,865,750 would have to establish a surcharge of approximately \$2.70 thereby paying a rate \$43.54/5,000 gallons.

50% Funding Subsidy: \$1,910,500 subsidy with a loan of \$1,910,500.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$1,910,500 Pierre would have to establish a surcharge of approximately \$1.80 thereby paying a rate \$42.64/5,000 gallons.

75% Funding Subsidy: \$2,865,740 subsidy with a loan of \$955,250.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$955,250 Pierre would have to establish a surcharge of approximately \$0.90 thereby paying a rate \$41.74/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: ERIC MEINTSMA

FINANCIAL REVIEW COMPLETED BY: DAVID RUHNKE

Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Miller Address: 120 West 2nd St. Miller, SD 57362-1316 Subapplicant: DUNS Number: 071365993	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; border-bottom: 1px solid black;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$4,541,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">USDA-RD \$1,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">Storm Sewer \$1,958,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">TOTAL</td> <td style="text-align: right; border-bottom: 3px double black;">\$6,500,000</td> </tr> </table>	Proposed Funding Package		Requested Funding	\$4,541,000	Local Cash	_____	Other: _____	USDA-RD \$1,000	Other: _____	Storm Sewer \$1,958,000	Other: _____	_____	TOTAL	\$6,500,000
Proposed Funding Package															
Requested Funding	\$4,541,000														
Local Cash	_____														
Other: _____	USDA-RD \$1,000														
Other: _____	Storm Sewer \$1,958,000														
Other: _____	_____														
TOTAL	\$6,500,000														

Project Title: Miller Wastewater and Stormwater Improvement Project- Phase I

Description:

The City of Miller has experienced problems with their wastewater system. The city has cleaned and televised the sewer system, separating storm and sanitary sewer main and made improvements to the wastewater treatment facility. The results of the televising show severe deficiencies which need to be addressed. In order to address and fix those problems, the City is proposing to replace the sanitary sewer main and make improvements to the storm sewer system.

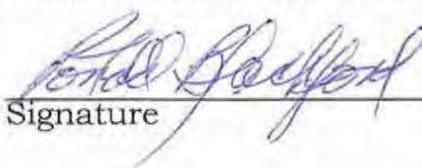
The City of Miller's residents currently pay a monthly flat fee of \$31.65 for sewer services. A reserve fund has not been set up for this project at this point in the planning process.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Ron Blachford, Mayor

 Name & Title of Authorized Signatory
 (Typed)



 Signature

12/29/2015

 Date

WRAP REVIEW SHEET
CLEAN WATER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF MILLER

Project Title: Wastewater and Stormwater Improvement Project – Phase I

Funding Requested: \$6,499,000

Other Proposed Funding: \$1,000 – USDA Rural Development

Total Project Cost: \$6,500,000

Project Description: The city of Miller is experiencing problems with its wastewater system. The city is proposing to replace its aging infrastructure in consecutive phases. Phase I sewer main work includes the lowest elevation area near the city’s east lift station. This project includes replacement of over 10,000 linear feet of sanitary sewer, 3,930 feet of service pipe, manholes and appurtenances, and surfacing costs. Other improvements to the wastewater system include the repair of the West Lift Station, East Lift Station Replacement, and installation of a SCADA system at both lift stations.

Phase I stormwater improvements include spot repairs and upstream improvements to the central stormwater system and an extension to the Northeast drainage system. Stormwater system improvements will be completed in conjunction with Phase I sewer and water work in order to decrease road surfacing costs.

Alternatives Evaluated: “Do Nothing” is not recommended as it does not correct the deteriorating conditions that face the City’s storm and wastewater systems.

“Priority 3 Sanitary Sewer” alternative replaces infrastructure that is not in critical condition. This alternative was not chosen in favor of addressing the Priority 1 and 2 sewer improvements.

“WWTF Expansion” alternative proposes to increase hydraulic capacity at the city’s wastewater treatment facility. This alternative was not chosen in favor of addressing inflow and infiltration issues in the distribution system first.

“West Drainage System” would completely replace the underground storm sewer in that section of the city. This alternative was not chosen in order to address higher priority work.

“Southeast Drainage System” involves installing a storm water system capable of handling a five-year storm event. This alternative was not recommended until Phase 1 work is completed.

“West Second Street Drainage System” proposes replacing deteriorated pipe along West Second Street and the nearby area. This alternative is not recommended until the higher priority Phase 1 and 2 work has been completed.

Implementation Schedule: The city of Miller plans to advertise bids for this project in January 2017 with a completion date of November 2017.

Service Population: 1,461

Current Domestic Rate: \$31.65 flat rate

Interest Rate: 3.25% Term: 30 years Security: Stormwater Fees - \$1,958,000

Interest Rate: 3.25% Term: 30 years Security: Project Surcharge - \$4,541,000

DEBT SERVICE CAPACITY – Stormwater Fees - \$1,958,000

Coverage at \$1,958,000 Loan	If \$1,958,000 is provided as loan, the city of Miller would have to establish stormwater fees at \$0.0069 per square foot to have 110 percent debt coverage. Example: a 9,000 square foot lot would have an annual payment of \$62.10 or \$5.18 per month.
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DEBT SERVICE CAPACITY – Wastewater Surcharge - \$4,541,000

Coverage at Maximum Loan Amount:	If all funding is provided as loan the city of Miller would have to establish a surcharge of approximately \$26.21. When added to current rate of \$31.65 residents would be paying a flat rate of \$57.87.
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25% Funding Subsidy:	\$1,135,250 subsidy with a loan of \$3,405,750.
Coverage at 25% Subsidy:	Based on a 25% subsidy and a loan of \$3,405,750, the city of Miller would have to establish a surcharge of approximately \$19.65 thereby paying a flat rate of \$51.30.

50% Funding Subsidy:	\$2,270,500 subsidy with a loan of \$2,270,500.
Coverage at 50% Subsidy:	Based on a 50% subsidy and a loan of \$2,270,500, the city of Miller would have to establish a surcharge of approximately \$13.10 thereby paying a flat rate of \$44.75.

75% Funding Subsidy:	\$3,405,750 subsidy with a loan of \$1,135,250.
Coverage at 75% Subsidy:	Based on a 75% subsidy and a loan of \$1,135,250, the city of Miller would have to establish a surcharge of approximately \$6.76 thereby paying a flat rate of \$38.41.

ENGINEERING REVIEW COMPLETED BY: DREW HUISKEN

FINANCIAL REVIEW COMPLETED BY: JON PESCHONG

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF ASTORIA

Project Title:	Wastewater System Improvements
Funding Requested:	\$660,000
Total Project Cost:	\$744,400
Project Description:	<p>The project consists of expanding the existing wastewater treatment facility, rehabilitating a diversion channel on the west side of the wastewater treatment facility, and cleaning and televising the city's wastewater collection system.</p> <p>Expanding the existing wastewater treatment facility will provide adequate storage and treatment of wastewater by constructing a new pond. The diversion channel work will redirect stormwater and prevent damage to the berms of the storage ponds. Cleaning and televising the collection system will provide information regarding inflow and infiltration problems within the collection system.</p>
Alternatives Evaluated:	The "Do Nothing" alternative was not chosen as it would not correct any of the problems the city is experiencing.
Implementation Schedule:	Astoria anticipates bidding the project in June, 2016 with a project completion date of October 2016.
Service Population:	139
Current Domestic Rate:	\$22.00 flat rate
Interest Rate: 3.25%	Term: 30 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan, Astoria would have to enact a surcharge of approximately \$53.50. When added to current rate of \$22/month, residents would be paying \$75.50/month. However based on projected O&M costs, Astoria could reduce its base rate to \$10 reducing overall monthly rate to \$63.40.

25% Funding Subsidy: \$186,100 subsidy with a loan of \$558,300.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$558,300, Astoria would have to enact a surcharge of approximately \$40/month thereby paying a rate of \$50/month.

50% Funding Subsidy: \$372,200 subsidy with a loan of \$372,200.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$372,200, Astoria would have to enact a surcharge of approximately \$26.75 thereby paying a rate of \$36.75/month.

75% Funding Subsidy: \$558,300 subsidy with a loan of \$186,100.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$186,100, Astoria would have to enact a surcharge of approximately \$13.40 thereby paying a rate of \$23.40/month.

ENGINEERING REVIEW COMPLETED BY: NICK NELSON

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Brandon Address: PO Box 95 Brandon, SD 57005-0095 Subapplicant: DUNS Number: 556300200	Proposed Funding Package <div style="text-align: right;"> Requested Funding <u> \$2,598,400 </u> Local Cash <u> </u> Other: <u> </u> Other: <u> </u> Other: <u> </u> TOTAL <u> \$2,598,400 </u> </div>
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Project Title: Lift Station

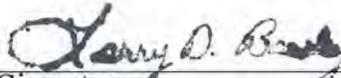
Description:

The City of Brandon plans to construct a new pump station that is to be utilized for pumping raw sewage to the City of Sioux Falls WWTF. The project will utilize the existing 12" force main until 90% capacity is met. At that point, design would begin on an upsized force main to parallel the existing 12" force main. This would allow for redundancy. The proposed lift station will be expandable to accommodate additional pump capacity to meet future growth of the City of Brandon.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Larry Beesley, Mayor
 Name & Title of Authorized Signatory
 (Typed)


 Signature

12/24/15
 Date

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF BRANDON

Project Title:	Lift Station to Sioux Falls
Funding Requested:	\$2,598,400
Total Project Cost:	\$2,598,400
Project Description:	<p>The existing WWTP was built in 1982 when the population in Brandon was 2,589. Brandon’s population increased significantly after that, and the city chose to pump its partially treated wastewater to the Sioux Falls water reclamation facility rather than upgrade its own wastewater treatment facilities. This project will construct a new lift station to pump raw wastewater to the Sioux Falls water reclamation facility. The project includes the construction of a wet/dry well lift station, pump building, standby generator, and SCADA system.</p>
Alternatives Evaluated:	<p>“No Action Alternative” does not address the demand for additional hydraulic capacity and treatment.</p> <p>“Build New Treatment System Alternative” will construct a treatment plant at a new site south of Brandon on approximately 40 acres. The WWTP system includes continuous treated discharge, two aeration cells followed by three aeration rock beds, and possible UV disinfection.</p> <p>“Add Aerated Rock Beds Alternative” will add aeration to cell three at the current WWTP and construct three aerated rock beds followed by a possible UV disinfection system. This alternative would have continuous discharge and eliminate the need to pump to Sioux Falls. This alternative is not recommended. It is anticipated that expansion at the current site will create negative feedback with the adjacent residential areas.</p> <p>“Rehabilitate the Existing Site Alternative” proposes that the existing WWTP site be modified to add aeration to cells one and two and convert cell three to aerated rock bed. This system would have continuous discharge and eliminate the need to pump to Sioux Falls and is a viable alternative if the City is unable to purchase land for a new site or expand the current footprint.</p>

“Aeration Expansion with Sioux Falls Pumping Alternative” would divide cell one into two aeration cells and pump water to Sioux Falls to handle the hydraulic loading. This alternative can’t provide enough treatment to get the partial treatment credit from the City of Sioux Falls or guarantee the City will always be able to meet the discharge limits. Costs to pump to Sioux Falls include a system development charge and charge per thousand gallons received.

“Pumping Only to Sioux Falls Alternative” will construct a new lift station for pumping raw sewage to the Sioux Falls wastewater treatment facility. The project includes the construction of a wet/dry well lift station, pump building, standby generator and tank, and SCADA system. This is the recommended alternative.

“Mechanical Treatment Alternative” proposes that a mechanical plant be built on a new site. This alternative is not recommended due to the large capital cost and high O&M.

Implementation Schedule: The city of Brandon plans to advertise bids for this project in February of 2017 with a completion date of May 2017.

Service Population: 9,779

Current Domestic Rate: \$51.50 per 5,000 gallons usage

Interest Rate: 3.0%

Term: 20 years

Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Brandon would have to enact a surcharge of approximately \$4.95. When added to current rate of \$51.50/5,000 gallons residents would be paying \$56.45/5,000 gallons. Brandon also has a CW-04 loan which is being paid from the General Fund although wastewater revenue was pledged for repayment of the loan. If this wastewater debt is paid out the sewer fund it would require an additional \$1.10 to the rate.

25% Funding Subsidy: \$649,600 subsidy with a loan of \$1,948,800.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$1,948,800 Brandon would have to enact a surcharge of approximately \$3.70 thereby paying a rate of \$55.20/5,000 gallons.

50% Funding Subsidy: \$1,299,200 subsidy with a loan of \$1,299,200

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$1,299,200 Brandon would have to enact a surcharge of approximately \$2.50 thereby paying a rate of \$54.00/5,000 gallons.

75% Funding Subsidy: \$1,948,800 subsidy with a loan of \$649,600.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$649,600 Brandon would have to enact a surcharge of approximately \$1.25 thereby paying a rate of \$52.25/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: CLAIRE PESCHONG

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Canton Address: 210 N. Dakota Street Canton, SD 57013 Subapplicant: DUNS Number: 556447019	Proposed Funding Package <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right;">\$1,648,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right;">_____</td> </tr> <tr> <td style="text-align: right;">Other: _____</td> <td style="text-align: right;">_____</td> </tr> <tr> <td style="text-align: right;">Other: <u>Community Access</u></td> <td style="text-align: right;">\$200,000</td> </tr> <tr> <td style="text-align: right;">Other: _____</td> <td style="text-align: right;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right;">\$1,848,000</td> </tr> </table>	Requested Funding	\$1,648,000	Local Cash	_____	Other: _____	_____	Other: <u>Community Access</u>	\$200,000	Other: _____	_____	TOTAL	\$1,848,000
Requested Funding	\$1,648,000												
Local Cash	_____												
Other: _____	_____												
Other: <u>Community Access</u>	\$200,000												
Other: _____	_____												
TOTAL	\$1,848,000												

Project Title: Dakota Street Project-Phase 1

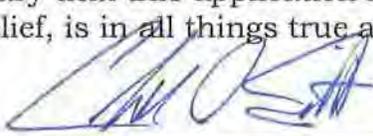
Description:

The City of Canton is proposing to construct the first phase of the Dakota Street Improvements Project which consists of improvements to the water distribution system, wastewater collection system and storm water system. The project area extends approximately one-half mile along Dakota Street beginning at US Hwy 18 (5th Street) and proceeding north to Lynn Avenue. The City proposes (1) to replace the existing water distribution system (comprised of aging smaller diameter cast-iron, ductile iron, asbestos cement and PVC pipe) with new larger-diameter PVC mains, (2) to replace the existing sanitary sewer collection system (comprised mainly of aging vitrified clay pipe exhibiting multiple joints, cracking, root intrusions, service line intrusions, and infiltration/exfiltration) with new gravity PVC sewer mains, and (3) to replace and expand upon the existing storm sewer collection system (comprised mainly of undersized RCP, VCP and PVC mains and laterals) using reinforced concrete pipe and concrete junction boxes/inlets. A Community Access Grant of \$400,000 was received for this project with \$200,000 applied to the Clean Water portion and \$200,000 applied to the Drinking Water portion.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Charles Smith, Mayor
 Name & Title of Authorized Signatory
 (Typed)


 Signature

1/15/16
 Date

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF CANTON

Project Title: Dakota Street Utilities Improvement

Funding Requested: \$1,648,000

Other Proposed Funding: \$200,000 - Community Access Grant

Total Project Cost: \$1,848,000

Project Description: The city of Canton is planning to reconstruct approximately 2,700 feet of Dakota Street to improve the underground utility infrastructure. The existing water distribution system, sanitary sewer system, and storm sewer system are in need of replacement due to the age and condition of the existing system. The new sanitary sewer collection system will include replacing approximately 2,700 feet of 8-inch PVC mains and eight manholes, and lowering the depth of the collection system. This project will also replace the storm sewer system by installing 3,100 feet of reinforced concrete pipe, 11 junction boxes and 33 inlets.

Alternatives Evaluated: “No Action Alternative” is not recommended as it does not correct the deteriorating conditions of the sanitary sewer system and the undersized storm sewer system.

“Open Trench Construction Alternative” is the recommended type of construction for this project due to the presence of multiple underground utilities, both public and private, within the street corridor.

“Trenchless Technology Construction Alternative” includes horizontal directional drilling or boring/jacking trenchless techniques which are not recommended methods because of the numerous unknown conflicts with various utilities within the project corridor.

Implementation Schedule: The city of Canton plans to advertise bids for this project in January 2017 with a completion date of November 2017.

Service Population: 3,317

Current Domestic Rate: \$39.30 per 5,000 gallons usage

Interest Rate: 3.25% Term: 30 years Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan, Canton would have 119% debt coverage based on system revenue generated with the current rate of \$39.30 for 5,000 gallons usage.

50% Funding Subsidy: \$824,000 subsidy with a loan of \$824,000.

Coverage at 50% Subsidy: Based on 50% subsidy and \$824,000 loan, Canton would have 238% debt coverage based on system revenue generated with the current rate of \$39.30 for 5,000 gallons usage.

ENGINEERING REVIEW COMPLETED BY: CLAIRE PESCHONG

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Dell Rapids Address: PO Box 10 Dell Rapids, SD 57022 Subapplicant: DUNS Number: 170381602	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$1,037,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">TOTAL</td> <td style="text-align: right; border-bottom: 3px double black;">\$1,037,000</td> </tr> </table>	Proposed Funding Package		Requested Funding	\$1,037,000	Local Cash	_____	Other:	_____	Other:	_____	Other:	_____	TOTAL	\$1,037,000
Proposed Funding Package															
Requested Funding	\$1,037,000														
Local Cash	_____														
Other:	_____														
Other:	_____														
Other:	_____														
TOTAL	\$1,037,000														

Project Title: 2016 10th Street and Highway 115 Improvements Project

Description:

The City of Dell Rapids is proposing improvements to its sanitary and storm sewer system in two locations in the community. At the intersection of Highway 115, Old Highway 77 and 4th, Street a 12" PVC sanitary sewer will be installed to replace aging infrastructure that has outlived its useful life. SD DOT plans to reconstruct SD Highway 115 through Dell Rapids in 2017, and replacement of the utilities prior to the SD DOT will result in cost savings since most surfacing repairs will be addressed with the SD DOT project. The Highway 115 portion of this project will cost approximately \$617,000.

The 10th Street portion of the project consists of the replacement of brick manholes and approximately 1,000 feet of vitrified clay sanitary sewer pipe as well as drainage improvements in the area. The 10th Street portion of this project will cost approximately \$420,000.

The City has a wastewater reserve fund. The City's current rate for 5,000 gallons of wastewater is \$36.38. This rate will increase to \$43.64 in early 2016.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Scott Fiegen, Mayor
 Name & Title of Authorized Signatory
 (Typed)


 Signature _____
 Date 12-30-1

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF DELL RAPIDS

Project Title: 10th Street and Highway 115 Improvements Projects

Funding Requested: \$1,037,000

Total Project Cost: \$1,037,000

Project Description: Dell Rapids is proposing to replace 1,400 feet of sanitary sewer at the intersection of SD Highway 115, Old Highway 77 and 4th Street with 12-inch PVC lines. The city is also proposing to replace approximately 1,000 feet of vitrified clay sewer pipe with 8-inch PVC on a portion of 10th Street near the hospital. Brick manholes will also be replaced along with providing storm sewer improvements as needed in this area.

Alternatives Evaluated: The “No Action” alternative was rejected because the existing sanitary sewer mains are very old and in poor condition. The SD DOT plans to reconstruct Highway 115 during the 2016 and 2017 construction seasons, and the city plans to replace these utilities prior to that construction.

Alternative 2 proposes to replace the sanitary sewer lines and appurtenances in the Highway 115 area by open cut methods. Blasting and rock excavation may be required due to bedrock.

Alternative 3 proposes to replace sewer lines and appurtenances on a portion 10th Street. Storm sewer improvements will also occur where necessary. The city selected Alternatives 2 and 3.

Implementation Schedule: Design of the project would begin in the summer of 2016 with construction starting in the fall of 2016 and continuing through 2017.

Service Population: 3,700

Current Domestic Rate: \$43.64 per 5,000 gallons usage

Interest Rate: 3.25% Term: 30 years Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If funding is provided as all loan, Dell Rapids would have 126% coverage based on the current rate of \$43.64/5,000 gallons. Dell Rapids could reduce rates by 7.5% to provide 110% coverage resulting in rates of \$40.40/5,000 gallons. However, Dell Rapids has a second funding application which will require a surcharge of \$20.70 if funded as all loan. This would bring the wastewater rate to \$61.10-\$64.34/5,000 gallons.

25% Funding Subsidy: \$259,250 subsidy with a loan of \$777,750.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$777,750, Dell Rapids would have 132% coverage based on the current rate of \$43.64/5,000 gallons. Dell Rapids could reduce rates by 10% to provide 110% coverage resulting in rates of \$39.30/5,000 gallons. However, Dell Rapids has a second funding application which will require a surcharge of \$20.70 if funded as all loan. This would bring the wastewater rate to \$60-\$64.34/5,000 gallons.

50% Funding Subsidy: \$518,500 subsidy with a loan of \$518,500.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$518,500, Dell Rapids would have 139% coverage based on the current rate of \$43.64/5,000 gallons. Dell Rapids could reduce rates by 12.5% to provide 110% coverage resulting in rates of \$38.20/5,000 gallons. However, Dell Rapids has a second funding application which will require a surcharge of \$20.70 if funded as all loan. This would bring the wastewater rate to \$58.90-\$64.34/5,000 gallons.

75% Funding Subsidy: \$777,750 subsidy with a loan of \$259,250.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$259,250, Dell Rapids would have 146% coverage based on the current rate of \$43.64/5,000 gallons. Dell Rapids could reduce rates by 14.8% to provide 110% coverage resulting in rates of \$37.20/5,000 gallons. However, Dell Rapids has a second funding application which will require a surcharge of \$20.70 if funded as all loan. This would bring the wastewater rate to \$57.90-\$64.34/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: JIM ANDERSON

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Faulkton Address: PO Box 21 Faulkton, SD 57438 Subapplicant: DUNS Number: 111630500	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right;">\$2,000,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right;">_____</td> </tr> <tr> <td style="text-align: right;">Other: CDBG</td> <td style="text-align: right;">\$515,000</td> </tr> <tr> <td style="text-align: right;">Other: USDA-RD</td> <td style="text-align: right;">\$2,636,000</td> </tr> <tr> <td style="text-align: right;">Other: _____</td> <td style="text-align: right;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right;">\$5,151,000</td> </tr> </table>	Requested Funding	\$2,000,000	Local Cash	_____	Other: CDBG	\$515,000	Other: USDA-RD	\$2,636,000	Other: _____	_____	TOTAL	\$5,151,000
Requested Funding	\$2,000,000												
Local Cash	_____												
Other: CDBG	\$515,000												
Other: USDA-RD	\$2,636,000												
Other: _____	_____												
TOTAL	\$5,151,000												

Project Title: Faulkton Wastewater Improvements-Phase II

Description:

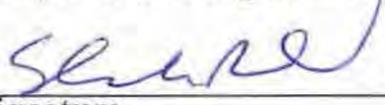
The City of Faulkton has experienced problems with their wastewater system. In order to address and fix those problems, the City is proposing to replace the sanitary sewer main. The city has cleaned and televised the sewer system, separating storm and sanitary sewer main and made improvements to the wastewater treatment facility. The results of the televising show severe deficiencies which need to be addressed.

The City of Faulkton's residents currently pay a monthly flat fee of \$26.20 for sewer services. A reserve fund has not been set up for this project at this point in the planning process.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Slade Roseland, Mayor
Name & Title of Authorized Signatory
(Typed)


Signature

12/28/2015
Date

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF FAULKTON

Project Title: Wastewater Improvements-Phases I & II

Funding Requested: \$2,000,000

Other Proposed Funding: \$515,000 - Community Development Block Grant
\$2,636,000 - USDA Rural Development

Total Project Cost: \$5,151,000

Project Description: The project will reduce Faulkton's stormwater infiltration into the sanitary sewer by replacing the city's aging sanitary sewer collection system. This will consist of the replacement of 17,000 feet of pipe with PVC pipe using open trench methods and 7,400 feet of pipe with cast in place pipe (CIPP) lining.

Alternatives Evaluated: "Do Nothing Alternative" was evaluated but not recommended as this alternative would do nothing to address the deficiencies of the collection system.

"Televising, Mapping, and Storm Sewer" alternative would televise and map the entirety of the storm sewer system and would disconnect the storm sewer from the sewer system. This alternative was evaluated, selected, and has since been completed.

"Replace Vitrified Clay Pipe (VCP) with PVC" alternative would replace all VCP (and PVC under the minimum recommended size) with PVC pipe. This alternative was evaluated but not selected as it was not the most cost effective alternative.

"Replace VCP with CIPP" alternative would replace all the VCP with CIPP. This alternative alone would not be able to correct the issues of pipe sags or less than recommended size pipe and was not recommended.

"Replace VCP using a combination of PVC and CIPP" alternative would replace the VCP and undersized pipe with a combination of PVC and CIPP where appropriate. This alternative was evaluated and selected as it was the most cost effective alternative.

Implementation Schedule: The city of Faulkton anticipates bidding the project in December 2016 with a project completion date of July 2018.

Service Population: 736

Current Domestic Rate: \$26.20 flat rate

Interest Rate: 3.25% Term: 30 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Faulkton would have to establish a surcharge of approximately \$22.83. When added to current rate of \$26.20 residents would be paying a flat rate of \$49.03.

25% Funding Subsidy: \$500,000 subsidy with a loan of \$1,500,000.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$1,500,000 Faulkton would have to establish a surcharge of approximately \$17.12 thereby paying a flat rate of \$43.32.

50% Funding Subsidy: \$1,000,000 subsidy with a loan of \$1,000,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$1,000,000 Faulkton would have to establish a surcharge of approximately \$11.42 thereby paying a flat rate of \$37.62.

75% Funding Subsidy: \$1,500,000 subsidy with a loan of \$500,000.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$500,000 Faulkton would have to establish a surcharge of approximately \$5.71 thereby paying a flat rate of \$31.91.

ENGINEERING REVIEW COMPLETED BY: NICK NELSON

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
 Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Prairie Meadows Sanitary District Address: 4401 S. Ellis Road Sioux Falls, SD 57106 Subapplicant: DUNS Number: 078711733	Proposed Funding Package <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$1,388,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$1,388,000</td> </tr> </table>	Requested Funding	\$1,388,000	Local Cash	_____	Other:	_____	Other:	_____	Other:	_____	TOTAL	\$1,388,000
Requested Funding	\$1,388,000												
Local Cash	_____												
Other:	_____												
Other:	_____												
Other:	_____												
TOTAL	\$1,388,000												

Project Title: Wastewater Collection System Improvements

Description:

Prairie Meadows Sanitary District's existing wastewater collection system consists primarily of aging clay pipe that is nearing the end of its useful life. During rainfall events, the system experiences an increase in wastewater flows from infiltration and inflow (I/I) and because the District pumps the wastewater to Sioux Falls for treatment, the I/I increases the amount the District pays to the City each month. The District proposes the rehabilitation of the clay pipe with PVC and cured-in-place-pipe and the replacement of service lines to houses. The improvements will upgrade the system to meet current DENR and City of Sioux Falls' standards in anticipation of the area being annexed by the City in the near future.

The Prairie Meadows Sanitary District has a wastewater reserve fund. The District's flat rate charge for wastewater is \$100.00.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Ken Sutter, President

 Name & Title of Authorized Signatory
 (Typed)

Ken Sutter 12/22/15

 Signature Date

WRAP REVIEW SHEET
SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: PRAIRIE MEADOWS SANITARY DISTRICT

Project Title:	Wastewater Collection System Improvements				
Funding Requested:	\$1,388,000				
Total Project Cost:	\$1,388,000				
Project Description:	The project involves replacing or rehabilitating the district's wastewater collection system and service lines. The collection system must meet city of Sioux Falls standards in anticipation of annexation.				
Alternatives Evaluated:	The "No Action" alternative was rejected due to the poor condition of the collection system and the excessive inflow and infiltration. System Rehabilitation alternative is the chosen alternative. This includes replacement with PVC pipe and rehabilitation using cured in place pipe.				
Implementation Schedule:	Prairie Meadows anticipates bidding the project in May 2016 with a project completion date of October 2016.				
Service Population:	188				
Current Domestic Rate:	\$100.00 flat rate				
Interest Rate:	3.25%	Term:	30 years	Security:	System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan, Prairie Meadows would have to establish a debt service rate component of \$88/month to provide 110% coverage. Once connected to Sioux Falls, residents will pay approximately \$35/month for 5,000 gallon of usage. When combined, residents of Prairie Meadows will be paying approximately \$123/month.

25% Funding Subsidy: \$347,000 subsidy with a loan of \$1,041,000.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$1,041,000, Prairie Meadows would need a debt service rate component of \$67/month to provide 110% coverage. When combined with the \$35/month Sioux Falls usage rate, residents of Prairie Meadows will pay \$102/month.

50% Funding Subsidy: \$694,000 subsidy with a loan of \$694,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$694,000, Prairie Meadows would need a debt service rate component of \$44/month to provide 110% coverage. When combined with the \$35/month Sioux Falls usage rate, residents of Prairie Meadows will pay \$79/month.

65% Funding Subsidy: \$902,200 subsidy with a loan of \$485,800.

Coverage at 65% Subsidy: Based on a 65% subsidy and a loan of \$485,800, Prairie Meadows would need a debt service rate component of \$31/month to provide 110% coverage. When combined with the \$35/month Sioux Falls usage rate, residents of Prairie Meadows will pay \$66/month.

ENGINEERING REVIEW COMPLETED BY: ERIC MEINTSMA

FINANCIAL REVIEW COMPLETED BY: DAVID RUHNKE

Sanitary/Storm Sewer Facilities Funding Application

Clean Water State Revolving Fund Program (CWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Town of Yale Address: 104 Main Ste. A Yale, SD 57386 Subapplicant: DUNS Number: 833105120	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right;">\$327,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right;">_____</td> </tr> <tr> <td style="text-align: right;">Other: Previous CWSRF</td> <td style="text-align: right;">\$16,569</td> </tr> <tr> <td style="text-align: right;">Other: JRWDD</td> <td style="text-align: right;">\$100,000</td> </tr> <tr> <td style="text-align: right;">Other: _____</td> <td style="text-align: right;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right;">\$443,569</td> </tr> </table>	Proposed Funding Package		Requested Funding	\$327,000	Local Cash	_____	Other: Previous CWSRF	\$16,569	Other: JRWDD	\$100,000	Other: _____	_____	TOTAL	\$443,569
Proposed Funding Package															
Requested Funding	\$327,000														
Local Cash	_____														
Other: Previous CWSRF	\$16,569														
Other: JRWDD	\$100,000														
Other: _____	_____														
TOTAL	\$443,569														

Project Title: Yale Lagoon Project

Description:

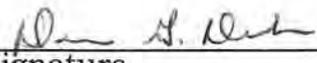
The Town of Yale is proposing to place rip-rap at the lagoon.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Dennis Decker

 Name & Title of Authorized Signatory
 (Typed)



 Signature

12-22-15

 Date

WRAP REVIEW SHEET
SANITARY/STROM SEWER FACILITIES FUNDING APPLICATION
APPLICANT: TOWN OF YALE

Project Title: Wastewater Treatment Facility Riprap

Funding Requested: \$327,000

Other Proposed Funding: \$100,000 – James River WDD Grant
\$16,000 – Remaining amount from CWSRF-01 loan

Total Project Cost: \$443,000

Project Description: In June of 2011, the Board awarded the town of Yale a Clean Water SRF loan to construct a 5-acre, two-cell total retention stabilization pond and repair the collection system and lift stations. At that time, there was not enough funding to riprap the new wastewater treatment cells. Since then there has been considerable erosion of the berms. This project will regrade the inner pond embankment and install geotextile fabric and riprap.

Alternatives Evaluated: No additional alternatives were considered for this project. This project will regrade the inner pond embankment and install geotextile fabric and riprap.

Implementation Schedule: The town of Yale plans to advertise bids for this project in July 2016 with a completion date of December 2016.

Service Population: 108

Current Domestic Rate: \$40.00 flat rate

Interest Rate: 3.25% Term: 30 Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If funding is provided as 100% loan, Yale would have to enact a surcharge of approximately \$29.25. When added to current rate of \$40/month residents would be paying \$69.25/month.

25% Funding Subsidy: \$81,750 subsidy with a loan of \$245,250.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$245,250, Yale would have to enact a surcharge of approximately \$21.80 thereby paying a rate of \$61.80/month.

50% Funding Subsidy: \$163,500 subsidy with a loan of \$163,500.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$163,500, Yale would have to enact a surcharge of approximately \$14.55thereby paying a rate of \$54.55/month.

75% Funding Subsidy: \$245,250 subsidy with a loan of \$81,750.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$81,750, Yale would have to enact a surcharge of approximately \$7.30thereby paying a rate of \$47.30/month.

ENGINEERING REVIEW COMPLETED BY: CLAIRE PESCHONG

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

TITLE: Drinking Water Facilities Funding Applications

EXPLANATION: The following applications have been received by DENR for funding consideration at this meeting. The projects are listed in priority point order as shown in the Intended Use plan, and the points are listed in parentheses.

- | | |
|----------------------------|-----------------------------|
| a. Midland (112) | g. Brookings Deuel RWS (18) |
| b. Perkins County RWS (81) | h. Chancellor (13) |
| c. Conde (42) | i. Canton (11) |
| d. Colman (39) | j. Dell Rapids (11) |
| e. Wakonda (33) | k. Miller (10) |
| f. Britton (20) | l. Kingbrook RWS (8) |

COMPLETE APPLICATIONS: Application cover sheets and WRAP summary sheets with financial analysis have been provided as part of the board packet. Complete applications are available online and can be accessed by typing the following address in your internet browser:

<http://denr.sd.gov/bwnrapps/BWNRappsdfw0316.pdf>

If you would like hard copies of the applications, please contact Andy Bruels at (605) 773-4805.

Drinking Water Facilities Funding Applications March 2016



WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: TOWN OF MIDLAND

Project Title: Water Distribution and Storage Improvements Project

Funding Requested: \$715,000

Total Project Cost: \$715,000

Project Description: The town of Midland has had haloacetic acid (HAA5) violations. Installing a new water storage facility with a new mixing system and looping the watermains will help correct water quality issues. The project consists of a new 53,000-gallon ground storage facility with a new mixing system as well as the construction of 3,220 feet of 6-inch main to loop the system.

Alternatives Evaluated:

“74,000-Gallon Ground Storage Reservoir” alternative proposes to construct a 74,000-gallon ground storage reservoir and mixing system to replace the existing one. This alternative was considered but not recommended due to the size of the tank and the concern that thermal stratification may be affecting HAA5 levels.

“53,000-Gallon Ground Storage Reservoir” alternative proposes to construct a 53,000-gallon ground storage reservoir and mixing system to replace the existing one. This alternative was considered and selected as it was the most cost effective and practical.

“New Meter Vault and Multiple Control Valves” alternative would remove the reservoir and tie Midland’s system directly into the rural water system without the means of storage. This alternative was considered but not selected as it did not leave Midland with the one-day demand should the system be disconnected from the rural water system due to repairs or breaks.

“Distribution Improvements” alternative would loop Midland’s distribution system, eliminating the dead ends in the system.

Implementation Schedule: The town of Midland anticipates bidding the project in June 2016 with a project completion date of November 2016

Service Population: 123

Current Domestic Rate: \$25.00 per 5,000 gallons

Interest Rate: 2.25%

Term: 30 years

Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Midland would have to establish a surcharge of approximately \$30.25. When added to current rate of \$25/5,000 gallons residents would be paying \$55.15/5,000 gallons. However projected operation and maintenance costs indicate that approximately \$33/month is required to cover operation and maintenance costs. Midland needs to increase its water rate approximately \$8/month to cover operation and maintenance costs. Total rates will be \$63.25/5,000 gallons.

25% Funding Subsidy: \$178,750 subsidy with a loan of \$536,250.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$536,250 Midland would have to establish a surcharge of approximately \$22.60 thereby paying a rate \$55.60/5,000 gallons.

50% Funding Subsidy: \$375,500 subsidy with a loan of \$375,500.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$375,500 Midland would have to establish a surcharge of approximately \$15.85 thereby paying a rate \$48.85/5,000 gallons.

75% Funding Subsidy: \$536,250 subsidy with a loan of \$178,750.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$178,750 Midland would have to establish a surcharge of approximately \$7.55 thereby paying a rate \$40.55/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: NICK NELSON

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Perkins County Rural Water System, Inc. Address: 104 West Main Street Bison, SD 57620 Subapplicant: N/A DUNS Number: 011012205	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$1,722,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 3px double black;">\$1,722,000</td> </tr> </table>	Requested Funding	\$1,722,000	Local Cash	_____	Other:	_____	Other:	_____	Other:	_____	TOTAL	\$1,722,000
Requested Funding	\$1,722,000												
Local Cash	_____												
Other:	_____												
Other:	_____												
Other:	_____												
TOTAL	\$1,722,000												

Project Title: Highways 12 & 73 Waterline Realignment & Booster Station Improvements

Description:

Perkins County Rural Water System (PCRWS) is proposing a system improvement project that consists of the relocation of waterlines; installation of a SCADA system at the Highway 20 booster station; and, construction of a security fence at the Highway 75 booster station. The waterline realignment is necessary due to a South Dakota Department of Transportation (SDDOT) project that will widen the existing right-of-way at Highway 12 and modify the road elevations at both Highway 12 and Highway 73. The change in road elevation will impact the ground cover over existing waterlines leaving the lines susceptible to freezing. As part of the SDDOT project, PCRWS will be required to relocate existing waterlines located within the right-of-way. PCRWS will also be installing a SCADA system at the Highway 20 booster station in order to monitor and preempt any issues with the station and fencing will be installed at the Highway 75 booster station to provide security.

PCRWS consists of 846 miles of pipe supplying water to 876 metered accounts and the cities of Lemmon and Bison. The system supplies water to approximately 2,000 individuals.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Donald Melling Jr., President
Name & Title of Authorized Signatory
(Typed)

Donald Melling
Signature

11-12-15
Date

WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: PERKINS COUNTRY RURAL WATER SYSTEM, INC.

Project Title: Water Line Realignment and Booster Station Improvements Project

Funding Requested: \$1,722,000

Total Project Cost: \$1,722,000

Project Description: Perkins County Rural Water System must change the vertical alignment or insulate existing watermain along Highways 12 and 73 near the city of Lemmon that will lose minimum cover due to grade elevation changes as a result of an upcoming DOT project. Without a minimum cover, watermains are susceptible to freezing or breaking, resulting in a loss of service. Approximately two miles of watermain will be realigned and an additional two miles will be insulated as a result of this project. A SCADA system will also be added to the Highway 20 Booster station.

Alternatives Evaluated: “Do Nothing” alternative was evaluated but not selected as it would not address the need for this project

“Excavate and Insulate Impacted Pipes” alternative will either realign the vertical alignment or insulate existing pipe to meet the minimum cover for future grades. This alternative was evaluated and selected as it was the most practical alternative.

“SCADA System” alternative will add a SCADA system to Highway 20 Booster station. This alternative was evaluated and selected as it was the most cost effective alternative.

Implementation Schedule: Perkins County RWS anticipates bidding the project in March 2016 with a project completion date of October 2016.

Service Population: 2,000

Current Domestic Rate: \$105.02 per 7,000 gallons usage

Interest Rate: 2.25% Term: 30 years Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: In 2020, Perkins County RWS has a State Water Resources Management loan that goes from interest only payments to principal and interest payments. This debt service capacity analysis is based on annual rate increases of 3.25%, which results in rates of \$122.77/7,000 gallons in 2020. If funding is provided as all loan, Perkins County RWS would have 99% coverage in 2020 based on rates of \$122.77/7,000 gallons.

25% Funding Subsidy: \$430,500 subsidy with a loan of \$1,291,500.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$1,291,500, Perkins County RWS would have 102% coverage in 2020 based on rates of \$122.77/7,000 gallons.

50% Funding Subsidy: \$861,000 subsidy with a loan of \$861,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$861,000, Perkins County RWS would have 110% coverage in 2020 based on rates of \$122.77/7,000 gallons.

75% Funding Subsidy: \$1,291,500 subsidy with a loan of \$430,500.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$430,500, Perkins County RWS would have 118% coverage in 2020 based on rates of \$122.77/7,000 gallons.

ENGINEERING REVIEW COMPLETED BY: NICK NELSON

FINANCIAL REVIEW COMPLETED BY: JON PESCHONG

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Conde Address: PO Box 113 Conde, SD 57434 Subapplicant: DUNS Number: 005467751	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; border-bottom: 1px solid black;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$2,795,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$2,795,000</td> </tr> </table>	Proposed Funding Package		Requested Funding	\$2,795,000	Local Cash	_____	Other:	_____	Other:	_____	Other:	_____	TOTAL	\$2,795,000
Proposed Funding Package															
Requested Funding	\$2,795,000														
Local Cash	_____														
Other:	_____														
Other:	_____														
Other:	_____														
TOTAL	\$2,795,000														

Project Title: Conde Drinking Water Distribution & Storage System Improvements

Description:

The Town of Conde is experiencing water loss estimated at 30.9 percent and poor water pressure throughout town. The water tower has outlived its useful life and is in need of significant repairs or replacement. The City has considered several alternatives as outlined in the facility plan completed by Helms and Associates. The Town of Conde is proposing to apply for funding to replace all of the four and six inch diameter pipe and replacing it with PVC as well as looping lines in the system that are currently dead ends. The town is also considering making improvements to the water storage which includes replacing it with a new 50,000 gallon ground storage tank.

The City currently charges \$30.50 per 5,000 gallons.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Cindy L. Smith President

 Name & Title of Authorized Signatory
 (Typed)

Cindy L. Smith

 Signature

December 21, 2015

 Date

WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: TOWN OF CONDE

Project Title: Distribution and Storage System Improvements

Funding Requested: \$2,795,000

Total Project Cost: \$2,795,000

Project Description: This project will replace existing 6-inch ductile iron pipe and 4-inch PVC pipe throughout the town with 6-inch PVC pipe, and new 6-inch PVC pipe to loop the system would be installed. The project also includes replacing the existing water tower with a 50,000-gallon ground storage tank and booster pumps.

Alternatives Evaluated: No Action Alternative: This alternative was evaluated for both storage and distribution and rejected due to the problems associated with aging infrastructure.

Water Storage: Two water storage alternatives were evaluated. These included 50,000-gallon elevated tank and ground storage tank with pumps. The ground storage tank with booster pumps is the chosen alternative due to its lower equivalent annual cost.

Water Distribution: Two water distribution alternatives were evaluated. Both of these alternatives include replacing all ductile iron and PVC pipe in the community with 6-inch PVC pipe. The chosen alternative includes additional pipe to loop the system.

Implementation Schedule: The town of Conde anticipates bidding the project in July 2016 with a project completion date of October 2017.

Service Population: 140

Current Domestic Rate: \$30.50 per 5,000 gallons usage

Interest Rate: 2.25% Term: 30 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Conde would have to enact a surcharge of \$113.15. When added to current rate of \$30.50/5,000 gallons residents would be paying a rate of \$143.65/5,000 gallons.

25% Funding Subsidy: \$698,750 subsidy with a loan of \$2,096,250.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$2,096,250 Conde would have to enact a surcharge of \$84.86 thereby paying a rate of \$115.36/5,000 gallons.

50% Funding Subsidy: \$1,397,500 subsidy with a loan of \$1,397,500.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$1,397,500 Conde would have to enact a surcharge of \$56.57 thereby paying a rate of \$87.07/5,000 gallons.

75% Funding Subsidy: \$2,096,250 subsidy with a loan of \$698,750.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$698,750 Conde would have to enact a surcharge of \$28.29 thereby paying a rate of \$58.79/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: ERIC MEINTSMA

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

Drinking Water Facilities Funding Application

Consolidated Water Facilities Construction Program (CWFCP) Drinking Water State Revolving Fund Program (DWSRF)

Applicant City of Colman Address PO Box 54 Colman, SD 57017	Proposed Funding Package CWFCP / DWSRF \$1,200,000 Local Cash _____ Other _____ Other _____ Other _____
Subapplicant None	Other _____ Other _____
DUNS Number 832619675	TOTAL \$1,200,000

Project Title: Phase 3 - Highway 34 Watermain Replacement

Description:

The City of Colman proposed to replace approximately 4,430 linear feet of watermain along Highway 34 inside of the corporate boundaries of the City. Estimated cost for this project is \$730,000 and the City is seeking to fund the project with funding from SD DENR. This phase of construction is a proposed continuation of the work already completed throughout the community that was recently funded by SD DENR. Increases in construction costs experienced during the previous phases have resulted in a funding shortfall of that funding package and the City of Colman is requesting to complete the final phase of the proposed projects.

The City of Colman is also seeking additional funding to address a funding shortfall in the current water tower project in the amount of \$400,000.

The City of Colman is also seeking \$70,000 in expenses previously incurred for an emergency repair that was associated with the above mentioned Highway 34 watermain replacement.

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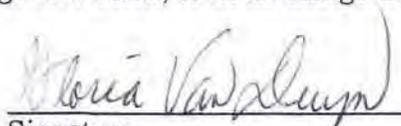
Division of Financial
& Technical Assistance

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Gloria Van Duyn, Mayor

Name & Title of Authorized Signatory (Typed)

 12/14/15
 Signature Date

WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF COLMAN

Project Title: Phase 3 – Highway 34 Water Main Replacement

Funding Requested: \$1,200,000

Total Project Cost: \$1,200,000

Project Description: The City of Colman is proposing to replace approximately 4,430 linear feet of water main along Highway 34. This phase of construction is a proposed continuation of line replacement work that has already been completed in the community and funded by the Board of Water and Natural Resources. The cost of this work is estimated at \$730,000. The requested funding includes an additional \$400,000 to address a funding shortfall in the current water project and another \$70,000 to recoup expenses from an emergency repair on the Highway 34 water main.

Alternatives Evaluated: “No Action Alternative” is not recommended as it does not correct the deteriorating conditions of the Highway 34 water main or address other funding shortfalls.

“Entire Distribution System Replacement” alternative would replace the full 43,000 feet of watermain distribution lines within the city. This is not necessary as many of the lines do not need to be replaced at this time. This alternative is not recommended.

Implementation Schedule: The City of Colman would utilize some funding almost immediately after award to address the funding shortfall on Phase 2. The Highway 34 water main work is anticipated to be bid in the spring of 2016 with completion in the fall of 2016.

Service Population: 594

Current Domestic Rate: \$42.00 per 5,000 gallons usage

Interest Rate: 3.0% Term: 30 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Colman would have to establish a surcharge of approximately \$18.58. When added to current rate of \$42.00/5,000 gallons residents would be paying \$60.58/5,000 gallons.

25% Funding Subsidy: \$300,000 subsidy with a loan of \$900,000.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$900,000 Colman would have to establish a surcharge of approximately \$13.93 thereby paying a rate of \$55.93/5,000 gallons.

50% Funding Subsidy: \$600,000 subsidy with a loan of \$600,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$600,000 Colman would have to establish a surcharge of approximately \$9.29 thereby paying a rate of \$51.29/5,000 gallons.

75% Funding Subsidy: \$900,000 subsidy with a loan of \$300,000.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$300,000 Colman would have to establish a surcharge of approximately \$4.64 thereby paying a rate of \$46.64/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: DREW HUISKEN

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Town of Wakonda Address: PO Box 265 Wakonda, SD 57073 Subapplicant: DUNS Number: 109270293	Proposed Funding Package <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$2,836,710</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$2,836,710</td> </tr> </table>	Requested Funding	\$2,836,710	Local Cash	_____	Other:	_____	Other:	_____	Other:	_____	TOTAL	\$2,836,710
Requested Funding	\$2,836,710												
Local Cash	_____												
Other:	_____												
Other:	_____												
Other:	_____												
TOTAL	\$2,836,710												

Project Title: Drinking Water Systems Improvements Project

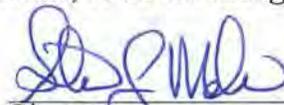
Description:

The Town of Wakonda is proposing to complete the Drinking Water Systems Improvement Project. A new meter pit is proposed to replace the old pit which has failing steel surfaces and is in need of bypass piping and larger pipe. The water tower will be rehabilitated by sandblasting and recoating. The Town's old wells have not been used for many years so they will be properly abandoned. Approximately 42 percent of the existing water distribution system is composed of cast iron pipe which is becoming problematic and is suspected of at least partially being the source of the average 28 percent water loss that the community is experiencing. The replacement of the cast iron pipe is proposed as part of this project. Additional piping will be installed to eliminate dead ends and to replace small diameter water mains which are under-sized for their use. A leak detection survey is also included in the project to detect any minor leaks upon completion of the proposed water main installation.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Steve Mohr, Town Board President
Name & Title of Authorized Signatory
(Typed)


Signature

12-23-2015
Date

WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: TOWN OF WAKONDA

Project Title: Drinking Water Systems Improvements Project

Funding Requested: \$2,836,710

Total Project Cost: \$2,836,710

Project Description: The Town of Wakonda is proposing several improvements to its water system. The Town is proposing to replace the existing meter pit and rehabilitate the water tower. The Town also has three unused wells that will be abandoned. Cast iron lines accounting for 42 percent of the water distribution system will be replaced. Looping and replacement of undersized water mains is also included.

Alternatives Evaluated: “Do Nothing” is not recommended as it does not correct the deteriorating conditions that face the Town’s water system.

“Rehabilitate Meter Pit” alternative would rehabilitate the existing structure by including a new coating of the existing surfaces and an installation of an exterior bypass. This alternative was not recommended in favor of Meter Pit Replacement.

“Water Tower” and “Ground Storage with Booster Station” alternatives propose to construct new storage tanks to increase the Town’s water storage. These alternatives were not chosen in favor of prioritizing the water distribution system replacement. Water storage alternatives will be considered in the future.

“Rural Water Takeover” alternative would fully delegate control of supplying the Town’s drinking water to their rural water provider. The Town rejected this alternative because they believed it was not in their best interest.

Implementation Schedule: The Town of Wakonda plans to advertise bids for this project in July of 2016 with a completion date of December 2017.

Service Population: 313

Current Domestic Rate: \$38.25 per 5,000 gallons usage

Interest Rate: 3.0% Term: 30 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Wakonda would have to establish a surcharge of approximately \$81/month. When added to current rate of \$38.25/5,000 gallons residents would be paying \$119.25/5,000 gallons. However, based on cash flow projections, Wakonda needs to raise its current rate structure to approximately \$41/5,000 gallons to cover operating costs. With the required increase in current rate the monthly rate would go up to \$122/5,000 gallons.

25% Funding Subsidy: \$709,200 subsidy with a loan of \$2,127,510.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$2,127,510 Wakonda would have to establish a surcharge of approximately \$60.70 thereby paying a rate of \$101.70/5,000 gallons.

50% Funding Subsidy: \$1,418,355 subsidy with a loan of \$1,418,355.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$1,418,355 Wakonda would have to establish a surcharge of approximately \$40.50 thereby paying a rate of \$81.50/5,000 gallons.

75% Funding Subsidy: \$2,127,510 subsidy with a loan of \$709,200.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$709,200 Wakonda would have to establish a surcharge of approximately \$20.25 thereby paying a rate of \$61.25 /5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: DREW HUISKEN

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Britton Address: 803 8th Street Britton, SD 57430 Subapplicant: DUNS Number: 46-6000062	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$4,656,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 3px double black;">\$4,656,000</td> </tr> </table>	Requested Funding	\$4,656,000	Local Cash	_____	Other:	_____	Other:	_____	Other:	_____	TOTAL	\$4,656,000
Requested Funding	\$4,656,000												
Local Cash	_____												
Other:	_____												
Other:	_____												
Other:	_____												
TOTAL	\$4,656,000												

Project Title: Britton Drinking Water Improvements

Description:

The city is proposing to update and paint the existing 250,000 gallon storage, and constructing a new pump house with new booster pumps.

The city is also proposing to replace all 4" cast iron pipe and all cement 4" pipe with 6" PVC pipe and add additional valves to help isolate sections of the City. This will help increase water flows and allow the City to isolate sections of town when repairs are needed. Existing valves that are not working will be replaced and valves will be added to fire hydrants so servicing can be completed without disrupting service.

The City's monthly water rate for 5,000 gallons is \$31.25. (Flat fee of \$18.75/mo plus \$2.50 per 1,000 gallons).

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Clyde Fredrickson, Mayor Name & Title of Authorized Signatory (Typed)	 Signature	December 14, 2015 Date
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WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF BRITTON

Project Title:	Drinking Water Improvements
Funding Requested:	\$4,656,000
Total Project Cost:	\$4,656,000
Project Description:	Britton is proposing to replace all 4-inch cast iron, asbestos cement, PVC and 6-inch cast iron pipes with 6-inch PVC lines and additional valves. The city is also proposing to paint and update the existing 250,000-gallon ground water and 150,000-gallon elevated storage tanks plus construct a new pump house.
Alternatives Evaluated:	<p>The city evaluated several alternatives for each project. The “No Action” alternative was considered for each project and rejected. The storage tanks are nearing 50 years of service and the city determined they need to be painted to add additional service life and upgraded to meet OSHA standards. The current booster pumps are in poor condition and need replacing. Britton is proposing to construct a new pump house with booster pumps. The pump station would be below ground to provide easier access and maintenance.</p> <p>The city evaluated three alternatives for the waterline replacement. The “No Action” alternative was rejected because the existing mains and valves are undersized and in poor condition. The city also wants to add additional valves to assist in isolating smaller sections of the city when emergencies occur in the system.</p> <p>Alternative 2 proposes to replace all 4-inch cast iron and asbestos cement pipe with 6-inch PVC lines.</p> <p>Alternative 3 proposes to replace all 4-inch cast iron, asbestos cement and PVC lines and 6-inch cast iron pipes with 6-inch PVC water mains.</p>
Implementation Schedule:	Design of the project would begin in the summer of 2016 with construction starting in the spring of 2017 and continuing through the fall of 2017.
Service Population:	1,241
Current Domestic Rate:	\$31.25 per 5,000 gallons usage

Interest Rate: 3.0%

Term: 30 years

Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan Britton would have to establish a surcharge of approximately \$29.67. When added to current rate of \$31.25/5,000 gallons residents would be paying \$60.92/5,000 gallons.

25% Funding Subsidy: \$1,164,000 subsidy with a loan of \$3,492,000.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$3,492,000 Britton would have to establish a surcharge of approximately \$22.25 thereby paying a rate \$53.50/5,000 gallons.

50% Funding Subsidy: \$2,328,000 subsidy with a loan of \$2,328,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$2,328,000 Britton would have to establish a surcharge of approximately \$14.83 thereby paying a rate \$46.08/5,000 gallons.

75% Funding Subsidy: \$3,492,000 subsidy with a loan of \$1,164,000.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$1,164,000 Britton would have to establish a surcharge of approximately \$7.42 thereby paying a rate \$38.67/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: JIM ANDERSON

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Brookings Deuel Rural Water System Address: 47602 SD Highway 28 Toronto, SD 57268 Subapplicant: DUNS Number:	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$250,000</td> </tr> <tr> <td style="text-align: right;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">0</td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: right;">Other:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$250,000</td> </tr> </table>	Requested Funding	\$250,000	Local Cash	0	Other:		Other:		Other:		TOTAL	\$250,000
Requested Funding	\$250,000												
Local Cash	0												
Other:													
Other:													
Other:													
TOTAL	\$250,000												

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Division of Financial
& Technical Assistance

Project Title: Automatic Meter Reading System Installation

Description:

Brookings Deuel Rural Water System (BDRWS) is considering improvements to their current metering system. Automatic Meter Reading (AMR) devices will be installed at each service with a Badger Beacon Cellular network. The AMR system allows usage data to be automatically recorded, transmitted, and stored for easy online access by the utility and the user. AMR systems greatly increase the ease and accuracy of measuring water use. The increased frequency of meter reading and transmission can help identify service line leaks and abnormal usage patterns, therefore reducing the water demand on the utility and preventing an unidentified leak from causing a spike in the user's bill. The instantaneous usage data also allows the utility to more easily analyze patterns to determine which areas of the system may require improvement. BDRWS plans to use a SRF loan to pay for the project. The loan will be repaid over a ten year period by increasing the minimum monthly fee for each of about 2,600 metered users by \$2. The monthly utility rate for farms and rural residences is a minimum of \$33 + \$3.20/1,000 gal and \$2.75/1,000 gal over 20,000 gal.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Gene Wilts - General Manager
 Name & Title of Authorized Signatory
 (Typed)

Gene P. Wilts
 Signature

12-17-15
 Date

WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: BROOKINGS DEUEL RURAL WATER SYSTEM

Project Title: Automatic Meter Reading System Installation Project

Funding Requested: \$250,000

Total Project Cost: \$250,000

Project Description: The project includes installation of a meter data transmission unit on existing water meters. These will store and transmit meter readings to the Brookings Deuel office using the existing cellular network.

Alternatives Evaluated: The No Action alternative was evaluated and rejected due to the issues with manually reading the meters.

Three manufacturer's systems were evaluated and the Badger AMI System was determined to be the best fit for the Brookings Deuel system.

Implementation Schedule: Brookings Deuel anticipates purchasing the units and beginning installation in 2016 with a project completion in 2017.

Service Population: 8,500

Current Domestic Rate: \$55.40 per 7,000 gallons usage

Interest Rate: 2.25% Term: 10 years Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If funding is provided as all loan, Brookings Deuel Rural Water System would have 1,406% coverage based on the current rate of \$55.40/7,000 gallons.
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50% Funding Subsidy: \$125,000 subsidy with a loan of \$125,000.

Coverage at 50% Subsidy:	Based on a 50% subsidy and a loan of \$125,000 Brookings Deuel Rural Water System would have 2,812% coverage based on the current rate of \$55.40/7,000 gallons.
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ENGINEERING REVIEW COMPLETED BY: ERIC MEINTSMA

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
 Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Town of Chancellor Address: PO Box 106 Chancellor, SD 57015-0106 Subapplicant: DUNS Number: 079134857	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; border-bottom: 1px solid black;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$180,415</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other:</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">TOTAL</td> <td style="text-align: right; border-bottom: 3px double black;">\$180,415</td> </tr> </table>	Proposed Funding Package		Requested Funding	\$180,415	Local Cash	_____	Other:	_____	Other:	_____	Other:	_____	TOTAL	\$180,415
Proposed Funding Package															
Requested Funding	\$180,415														
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TOTAL	\$180,415														

Project Title: Water Meter Replacement Project

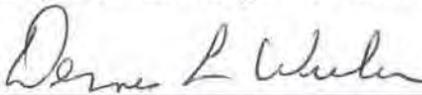
Description:

The Town of Chancellor proposes to convert approximately 131 existing water meters to an automatic meter reading system. The existing water meters are over 20 years old. All meters require a complete replacement. The Town also proposes to purchase the required computer system and software associated with the new meters. The proposed water metering system will allow the Town to more efficiently gather water usage data and improve the overall accuracy of the data collected.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Dennis Wieker, Town Board President
 Name & Title of Authorized Signatory
 (Typed)


12-14-15

Signature Date

WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: TOWN OF CHANCELLOR

Project Title:	Water Meter Replacement Project
Funding Requested:	\$180,415
Total Project Cost:	\$180,415
Project Description:	This project will replace 131 existing water meters that are over 20 years old with an automatic meter reading system.
Alternatives Evaluated:	No other alternatives were evaluated. However, a do nothing alternative would not address the replacement of the 20-year old water meters.
Implementation Schedule:	Chancellor anticipates bidding the project in July 2016 with a project completion date of October 2016.
Service Population:	263
Current Domestic Rate:	\$37.00 per 5000 gallons usage
Interest Rate: 2.25%	Term: 10 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan town of Chancellor would have to establish a surcharge of approximately \$15.30. When added to current rate of \$37.00/5,000 gallons residents would be paying \$52.30/5,000 gallons.

25% Funding Subsidy: \$45,000 subsidy with a loan of \$135,000.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$135,000 the town of Chancellor would have to establish a surcharge of approximately \$11.50 thereby paying a rate \$48.50/5,000 gallons.

50% Funding Subsidy: \$90,000 subsidy with a loan of \$90,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$90,000 the town of Chancellor would have to establish a surcharge of approximately \$7.70 thereby paying a rate \$44.70/5,000 gallons.

75% Funding Subsidy: \$135,000 subsidy with a loan of \$45,000.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$45,000 the town of Chancellor would have to establish a surcharge of approximately \$3.90 thereby paying a rate \$40.90/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: NICK NELSON

FINANCIAL REVIEW COMPLETED BY: JON PESCHONG

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Canton Address: 210 N. Dakota Street Canton, SD 57013 Subapplicant: DUNS Number: 033541236	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; border-bottom: 1px solid black;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$760,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: <u>Community Access</u></td> <td style="text-align: right; border-bottom: 1px solid black;">\$200,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">TOTAL</td> <td style="text-align: right; border-bottom: 1px solid black;">\$960,000</td> </tr> </table>	Proposed Funding Package		Requested Funding	\$760,000	Local Cash	_____	Other: <u>Community Access</u>	\$200,000	Other: _____	_____	Other: _____	_____	TOTAL	\$960,000
Proposed Funding Package															
Requested Funding	\$760,000														
Local Cash	_____														
Other: <u>Community Access</u>	\$200,000														
Other: _____	_____														
Other: _____	_____														
TOTAL	\$960,000														

Project Title: Dakota Street Project-Phase 1

Description:

The City of Canton is proposing to construct the first phase of the Dakota Street Improvements Project which consists of improvements to the water distribution system, wastewater collection system and storm water system. The project area extends approximately one-half mile along Dakota Street beginning at US Hwy 18 (5th Street) and proceeding north to Lynn Avenue. The City proposes (1) to replace the existing water distribution system (comprised of aging smaller diameter cast-iron, ductile iron, asbestos cement and PVC pipe) with new larger-diameter PVC mains, (2) to replace the existing sanitary sewer collection system (comprised mainly of aging vitrified clay pipe exhibiting multiple joints, cracking, root intrusions, service line intrusions, and infiltration/exfiltration) with new gravity PVC sewer mains, and (3) to replace and expand upon the existing storm sewer collection system (comprised mainly of undersized RCP, VCP and PVC mains and laterals) using reinforced concrete pipe and concrete junction boxes/inlets. A Community Access Grant of \$400,000 was received for this project with \$200,000 applied to the Drinking Water portion and \$200,000 applied to the Clean Water portion.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Charles Smith, Mayor
 Name & Title of Authorized Signatory
 (Typed)

Signature

Date

1/15/16

WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF CANTON

Project Title: Dakota Street Utilities Improvement

Funding Requested: \$760,000

Other Proposed Funding: \$200,000 - Community Access Grant

Total Project Cost: \$960,000

Project Description: The City of Canton is planning to reconstruct approximately 2,700 feet of Dakota Street to improve the underground utility infrastructure. The existing water distribution system, sanitary sewer system, and storm sewer system are in need of replacement due to the age and condition of the existing system. The existing water mains range from 2- to 8-inches and are cast iron, ductile iron, PVC or asbestos cement pipes. Approximately 2,840 feet of new 12-inch PVC main will replace the existing water main along Dakota Street. This project will also replace necessary valves, hydrants, and appurtenances. The new 12-inch main will become a portion of the main connection between the City's ground storage reservoir located on the south edge of the community and the City's elevated storage tank located on the northern edge.

Alternatives Evaluated: "No Action Alternative" is not recommended as it does not correct the deteriorating conditions of the water mains.

"Open Trench Construction Alternative" is the recommended type of construction for this project due to the presence of multiple underground utilities, both public and private, within the street corridor.

"Trenchless Technology Construction Alternative" includes horizontal directional drilling or boring/jacking trenchless techniques which are not recommended methods because of the numerous unknown conflicts with various utilities within the project corridor.

Implementation Schedule: The city of Canton plans to advertise bids for this project in January 2017 with a completion date of November 2017.

Service Population: 3,317

Current Domestic Rate: \$31.19 per 5,000 gallons usage

Interest Rate: 3.0%

Term: 30 years

Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan, Canton would have 51.7% debt coverage based on system revenue generated with the current rate of \$31.20 for 5,000 gallons usage. Rates would need to increase \$1.40 to \$32.60 for 5,000 gallon usage in order to provide 110% coverage.

25% Funding Subsidy: \$190,000 subsidy with a loan of \$570,000

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$570,000, Canton would need to increase its rate to \$31.91 for 5,000 gallons usage for 110% debt coverage.

50% Funding Subsidy: \$380,000 subsidy with a loan of \$380,000

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$380,000, Canton would need to increase its rate to \$31.25 for 5,000 gallons usage for 110% debt coverage.

75% Funding Subsidy: \$570,000 subsidy with a loan of \$190,000

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$190,000, Canton would have 194% debt coverage at current rates of \$31.20 for 5,000 gallons usage.

ENGINEERING REVIEW COMPLETED BY: CLAIRE PESCHONG

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF DELL RAPIDS

Project Title: 10th Street and Highway 115 Improvements Projects

Funding Requested: \$705,000

Total Project Cost: \$705,000

Project Description: Dell Rapids is proposing to replace cast iron water mains at the intersection of SD Highway 115, Old Highway 77, and 4th Street with approximately 1,900 feet of 6- and 8-inch PVC lines. The city is also proposing to replace just over 800 feet of cast iron water main with 6- and 8-inch PVC waterline on a portion of 10th Street near the hospital.

Alternatives Evaluated: The “No Action” alternative was rejected because the existing water mains are very old and in poor condition. The SD DOT plans to reconstruct Highway 115 during the 2016 and 2017 construction seasons, and the city plans to replace these utilities prior to that construction.

Alternative 2 proposes to replace the waterlines in the Highway 115 area by open cut methods. Blasting and rock excavation may be required due to bedrock.

Alternative 3 proposes to replace water mains and appurtenances on a portion 10th Street. The city selected Alternatives 2 and 3.

Implementation Schedule: Design of the project would begin in the summer of 2016 with construction starting in the fall of 2016 and continuing through 2017.

Service Population: 3,700

Current Domestic Rate: \$34.85 per 5,000 gallons usage

Interest Rate: 3.25%

Term: 30 years

Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If funding is provided as all loan, Dell Rapids would have 84% coverage based on the current rate of \$34.85/5,000 gallons. Dell Rapids would need to increase the rate by approximately 7% to \$37.10/5,000 gallons to provide 110% coverage.

10% Funding Subsidy: \$70,500 subsidy with a loan of \$634,500.

Coverage at 10% Subsidy: Based on a 10% subsidy and a loan of \$634,500, Dell Rapids would have 87% coverage based on the current rate of \$34.85/5,000 gallons. Dell Rapids would need to increase the rate by approximately 6.2% to \$36.85/5,000 gallons to provide 110% coverage.

20% Funding Subsidy: \$141,000 subsidy with a loan of \$564,000.

Coverage at 20% Subsidy: Based on a 20% subsidy and a loan of \$564,000, Dell Rapids would have 89% coverage based on the current rate of \$34.85/5,000 gallons. Dell Rapids would need to increase the rate by approximately 5.5% to \$36.60/5,000 gallons to provide 110% coverage.

25% Funding Subsidy: \$176,250 subsidy with a loan of \$528,750.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$528,750, Dell Rapids would have 90% coverage based on the current rate of \$34.85/5,000 gallons. Dell Rapids would need to increase the rate by approximately 5.2% to \$36.50/5,000 gallons to provide 110% coverage.

ENGINEERING REVIEW COMPLETED BY: JIM ANDERSON

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
 Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Miller Address: 120 West 2nd St. Miller, SD 57362-1316 Subapplicant: DUNS Number: 071365993	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; border-bottom: 1px solid black;">Proposed Funding Package</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Requested Funding</td> <td style="text-align: right; border-bottom: 1px solid black;">\$2,199,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Local Cash</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">USDA-RD \$1,000</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Other: _____</td> <td style="text-align: right; border-bottom: 1px solid black;">_____</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">TOTAL</td> <td style="text-align: right; border-bottom: 3px double black;">\$2,200,000</td> </tr> </table>	Proposed Funding Package		Requested Funding	\$2,199,000	Local Cash	_____	Other: _____	USDA-RD \$1,000	Other: _____	_____	Other: _____	_____	TOTAL	\$2,200,000
Proposed Funding Package															
Requested Funding	\$2,199,000														
Local Cash	_____														
Other: _____	USDA-RD \$1,000														
Other: _____	_____														
Other: _____	_____														
TOTAL	\$2,200,000														

Project Title: Miller Water Distribution - Phase I

Description:

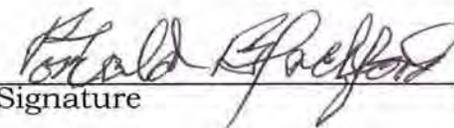
The City of Miller is experiencing problems with its waterline distribution system. Phase I of this project is replacing approximately 7,260 linear feet of 6" water main, 1000 linear feet of 8" water main and 850 linear feet of 10" water main. This also includes replacing gate valves, curb stops and fire hydrants in the Phase I area. A map of the Phase I area is attached. Current water rates include a base rate of \$26.06 plus \$3.94 surcharge. Each 1,000 gallons also has a four dollar per thousand gallon charge. Total rate per 5,000 gallons is \$50.00 for residential customers.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Ron Blachford, Mayor

 Name & Title of Authorized Signatory
 (Typed)



 Signature

12/29/15

 Date

WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF MILLER

Project Title: Water Distribution – Phase I

Funding Requested: \$2,199,000

Other Funding: \$1,000 – USDA Rural Development

Total Project Cost: \$2,200,000

Project Description: The City of Miller is experiencing problems with its water distribution system. Phase I of this project will replace 7,300 feet of 6-inch water main, 1,000 feet of 8-inch water main and 850 feet of 10-inch water main. This project will also replace all appurtenances associated with replaced water main. The proposed project includes resurfacing an alley due to a recent water main replacement.

Alternatives Evaluated: “Do Nothing” is not recommended as it does not correct the deteriorating conditions that face the City’s water system.

“Abandon Wells” alternative would abandon the city’s three inoperable wells and associated structures. This alternative is not recommended until Phase III.

“Well Improvements” alternative involves rehabilitating the city’s existing wells to an operable status. This alternative was not chosen in favor of the Abandon Wells alternative.

“Water Distribution Phase II and III” alternatives would replace various lower priority water mains throughout the city. These improvements are not recommended until the Phase I work is completed.

“Replace Remaining ACP” alternative proposes to replace all remaining Asbestos Cement Pipe that was not addressed in previous phases.

Implementation Schedule: The City of Miller plans to advertise bids for this project in January 2017 with a completion date of November 2017.

Service Population: 1,461

Current Domestic Rate: \$50.00 per 5,000 gallons usage

Interest Rate: 3.0%

Term: 30 years

Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan the city of Miller would have to establish a surcharge of approximately \$12.30. When added to current rate of \$50.00/5,000 gallons residents would be paying \$62.30/5,000 gallons.

25% Funding Subsidy: \$550,000 subsidy with a loan of \$1,650,000.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$1,650,000 the city of Miller would have to establish a surcharge of approximately \$9.25 thereby paying a rate of \$59.25/5,000 gallons.

50% Funding Subsidy: \$1,100,000 subsidy with a loan of \$1,100,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$1,100,000 the city of Miller would have to establish a surcharge of approximately \$6.15 thereby paying a rate of \$56.15/5,000 gallons.

75% Funding Subsidy: \$1,650,000 subsidy with a loan of \$550,000.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$1,650,000 for the city of Miller would have to establish a surcharge of approximately \$3.10 thereby paying a rate of \$53.10/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: DREW HUISKEN

FINANCIAL REVIEW COMPLETED BY: JON PESCHONG

Drinking Water Facilities Funding Application

Division of Financial & Technical Assistance

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Kingbrook Rural Water Address: 302 E Ash Street P.O. Box 299 Arlington, SD 57212 Subapplicant: DUNS Number: 11-978-1029	Proposed Funding Package <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right; padding-right: 20px;">Requested Funding</td> <td style="border-bottom: 1px solid black; text-align: right;">\$9,000,400</td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">Local Cash</td> <td style="border-bottom: 1px solid black; text-align: right;">\$550,000</td> </tr> <tr> <td style="padding-top: 10px;">Other: _____</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="padding-top: 10px;">Other: _____</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="padding-top: 10px;">Other: _____</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: right; padding-right: 20px;">TOTAL</td> <td style="border-bottom: 3px double black; text-align: right;">\$9,550,400</td> </tr> </table>	Requested Funding	\$9,000,400	Local Cash	\$550,000	Other: _____		Other: _____		Other: _____		TOTAL	\$9,550,400
Requested Funding	\$9,000,400												
Local Cash	\$550,000												
Other: _____													
Other: _____													
Other: _____													
TOTAL	\$9,550,400												

Project Title: 2017 Improvements Project

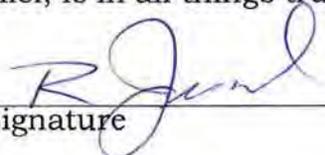
Description:

The Kingbrook Rural Water System proposes to construct pipeline improvements to connect approximately 220 new service locations, and to improve the reliability of the existing water system. The project includes approximately 140 miles of new pipelines. The water rate at Kingbrook for rural customers is \$56.55 for 7,000 gallons. The Kingbrook Rural Water System has a reserve fund.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Randy Jencks, P.E. General Manager
 Name & Title of Authorized Signatory
 (Typed)

 Signature	12/29/15 Date
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WRAP REVIEW SHEET
DRINKING WATER FACILITIES FUNDING APPLICATION
APPLICANT: KINGBROOK RURAL WATER SYSTEM

Project Title: 2017 Improvements

Funding Requested: \$9,000,400

Other Proposed Funding: \$550,000 - Local Cash

Total Project Cost: \$9,550,400

Project Description: Construction of new water main to connect about 220 new users. The new users are primarily existing residences and livestock pasture taps within the service area but currently use other water sources. The project also includes new pipeline to improve capacity and reliability in the service area. This project will include about 6.5 miles of 14- and 16-inch PVC pipe and about 125 miles of 2- to 6-inch PVC pipe. The construction will also include new booster pumps and other miscellaneous work needed to connect the new users and improve system reliability.

Alternatives Evaluated: The “No Action” alternative was rejected because of the need to provide service to residents that currently do not have access to a quality water source. Also, this alternative does not address needed improvements to the system capacity and reliability.

Completion of the system upgrade alternative was selected to provide service to the new users and the proposed improvements.

Implementation Schedule: Kingbrook anticipates bidding the project in in July 2016 with a project completion date of October 2017.

Service Population: 15,800

Current Domestic Rate: \$56.55 per 7,000 gallons usage

Interest Rate: 3.0% Term: 20 years Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If funding is provided as all loan, Kingbrook would have 81% coverage based on current rural water rates of \$56.55/7,000 gallons.

25% Funding Subsidy: \$2,250,000 subsidy with a loan of \$6,750,000.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$6,750,000, Kingbrook would have 89% coverage based on current rural water rates of \$56.55/7,000 gallons.

50% Funding Subsidy: \$4,500,000 subsidy with a loan of \$4,500,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$4,500,000, Kingbrook would have 98% coverage based on current rural water rates of \$56.55/7,000 gallons.

75% Funding Subsidy: \$6,750,000 subsidy with a loan of \$2,250,000.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$2,250,000, Kingbrook would have 109% coverage based on current rural water rates of \$56.55/7,000 gallons.

ENGINEERING REVIEW COMPLETED BY: ERIC MEINTSMA

FINANCIAL REVIEW COMPLETED BY: JON PESCHONG

TITLE: Small Water Facilities Funding Application

EXPLANATION: The following application has been received by the department for funding consideration at this meeting.

a. Delmont

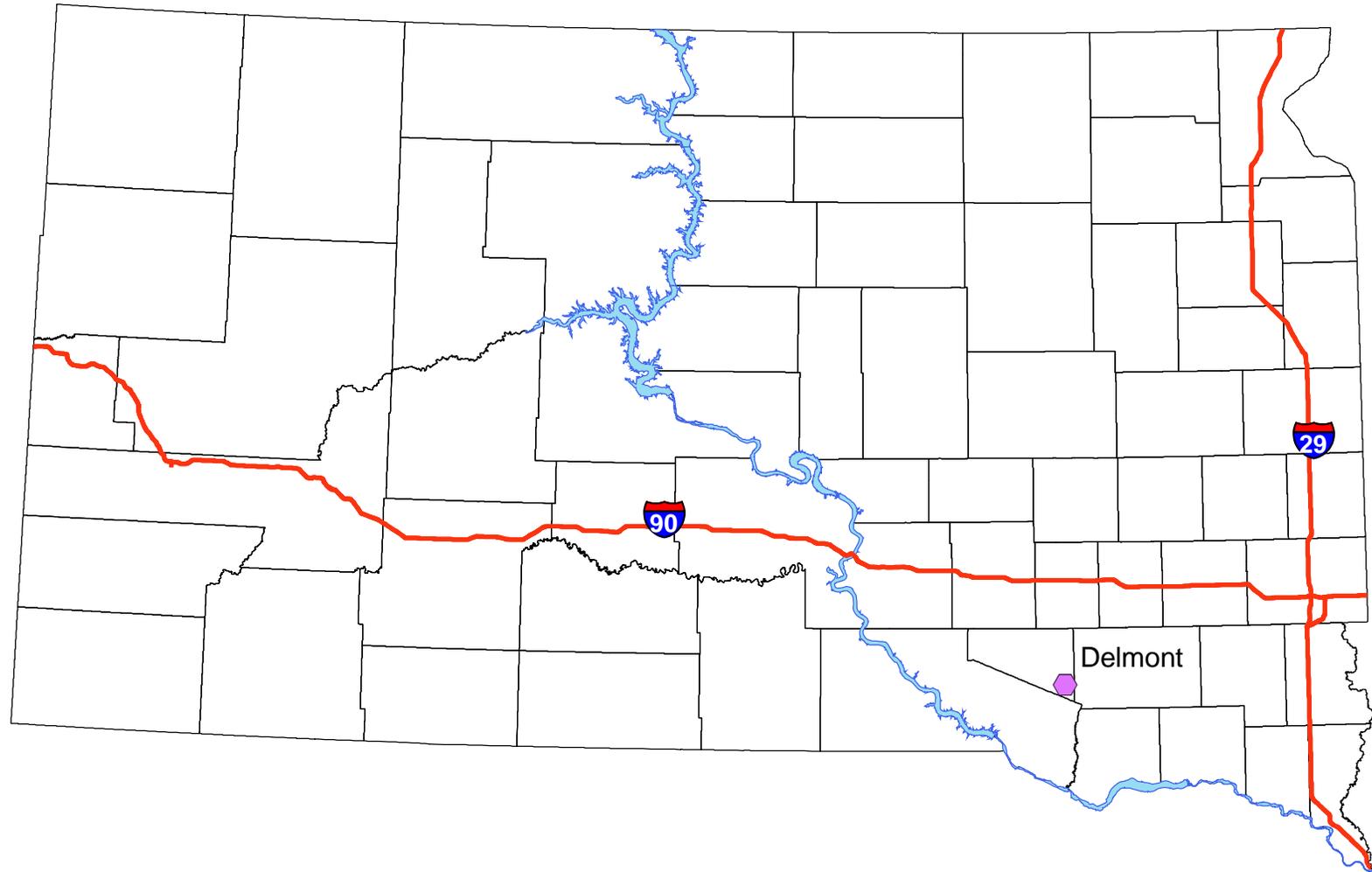
COMPLETE APPLICATIONS: The application cover sheet and WRAP summary sheet with financial analysis have been provided as part of the board packet. The complete application is available online and can be accessed by typing the following address in your internet browser:

<http://denr.sd.gov/bwnrapps/BWNRappsOther0316.pdf>

If you would like a hard copy of the application, please contact Jon Peschong at (605) 773-4216.

CONTACT: Jim Feeney, 773-4216

Small Water Facilities Funding Applications March 2016



WRAP REVIEW SHEET
SMALL WATER FACILITIES FUNDING APPLICATION
APPLICANT: CITY OF DELMONT

Project Title: Drinking Water State Revolving Fund Loan Refinance

Funding Requested: \$138,000

Other Proposed Funding: \$87 - Local Cash

Total Project Cost: \$138,087

Project Description: The city has requested financial assistance to refinance a Drinking Water State Revolving Fund Loan. In May 2015, the city was devastated by a tornado that destroyed or severely damaged over 40 homes. Most of the homeowners have decided not to return and rebuild. As a result, the city has lost a considerable amount the water revenues to repay the DW SRF loan. Therefore, the city is requesting the loan be refinanced to lessen economic impact to Delmont users.

Alternatives Evaluated: NA

Implementation Schedule: NA

Service Population: 185

Current Domestic Rate: \$48.00 per 5,000 gallons usage

Interest Rate: 3.25%

Term: 30 years

Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount: If all funding is provided as loan the city of Delmont would have to establish a surcharge of approximately \$6.00. When added to current rate of \$48.00/5,000 gallons residents would be paying \$54.00/5,000 gallons.

25% Funding Subsidy: \$34,500 subsidy with a loan of \$103,500.

Coverage at 25% Subsidy: Based on a 25% subsidy and a loan of \$103,500 the city of Delmont would have to establish a surcharge of approximately \$4.50 thereby paying a rate \$52.50/5,000 gallons.

50% Funding Subsidy: \$69,000 subsidy with a loan of \$69,000.

Coverage at 50% Subsidy: Based on a 50% subsidy and a loan of \$69,000 to the city of Delmont would have to establish a surcharge of approximately \$3.00 thereby paying a rate \$51.00/5,000 gallons.

75% Funding Subsidy: \$103,500 subsidy with a loan of \$34,500.

Coverage at 75% Subsidy: Based on a 75% subsidy and a loan of \$34,500 the city of Delmont would have to establish a surcharge of approximately \$1.50 thereby paying a rate \$49.50/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: JIM ANDERSON

FINANCIAL REVIEW COMPLETED BY: JON PESCHONG

Dear Chairman Bradley Johnson

I am a resident of Delmont, South Dakota, as you are aware Delmont was struck by an EF-2 tornado on May 10, 2015.

Since the tornado, our small community has lost many residents who have chosen to live in other locations, leaving remainder of us to keep our community thriving. Due to these individuals leaving our community and not rebuilding, the city of Delmont has been placed in a difficult financial situation due to losing property taxes from 34 homes and a loss of utility revenue.

I understand that the Water and Natural Resources Board will be deciding on an application from the City of Delmont for their water loan on March 30 or March 31, 2016. I would appreciate it if you would consider changing this loan to be a grant for the City of Delmont.

My spouse and I are retired and on fixed incomes. If the city of Delmont has to increase their utilities rates to make up for the 30 percent reduction in revenue from utilities, we will have a challenge to pay for the increased fees.

Thank you for your attention into this matter and any relief you may be able to provide to the Delmont community with this loan application will be appreciated.

Sincerely,

Barbara Hoffman

TITLE: Solid Waste Management Program Funding Applications

EXPLANATION: The Solid Waste Management Program was established under SDCL 46A-1-83. The Board of Water and Natural Resources may award grant and loan funds for the purpose of solid waste planning and management under the program. ARSD 74:05:10:09 provides that applications for the March funding round are due by January 1. The following application has been received by DENR for funding consideration at this meeting.

a. Freeman

Pursuant to ARSD 75:05:10:11, the Board must make its funding decisions within 120 days after applications are presented.

COMPLETE APPLICATIONS: The application cover sheet and summary sheet has been provided as part of the board packet. A complete application is available online and can be accessed by typing the following address in your internet browser:

<http://denr.sd.gov/bwnrapps/BWNRapps0316.pdf>

If you would like a hard copy of the application, please contact Andy Bruels at (605) 773-4216.

Solid Waste Management Applications March 2016



WRAP REVIEW SHEET
SOLID WASTE MANAGEMENT PROGRAM FUNDING APPLICATION
APPLICANT: CITY OF FREEMAN

Project Title: Restricted Use Facility Expansion Project

Funding Requested: \$191,000

Other Proposed Funding: \$128,384 – Local Cash

Total Project Cost: \$319,384

Project Description: The City of Freeman is requesting funding to expand their existing Type IV Restricted Use Site located northwest of the city. The proposed expansion will provided continued waste disposal service for customers. The proposed project includes the purchase of five acres of land, excavation, erosion control, fencing and other appurtenances.

Type: Solid Waste – Restricted Use Site

Service Population: 1,262

Financial & History Information: In September 2013, Freeman received a \$158,000 grant for additions and renovations to its recycling center.

In September 2004, Freeman received a \$10,750 grant for purchase of a yard waste compost turner.

In December 1996, Freeman received a \$21,500 grant for an addition to its recycling center.

Fees: \$5 - \$45 depending on load size (Car load – 30 cubic yard trailer)

Implementation Schedule: The City of Freeman anticipates advertising for bids in May 2016 with a completion date in the fall of 2016.

Engineering Review Completed By: Drew Huisken

Financial Review Completed By: Jon Peschong

TITLE: City of Watertown State Water Resources Management System Grant Agreement

EXPLANATION: The 2016 State Legislature appropriated \$225,125 in grant funds for the Watertown & Vicinity Big Sioux Flood Control Study in Section 3 of Senate Bill 68. This funding was provided through the State Water Resources Management System component of the State Water Plan. The department has received a request from the city of Watertown to place this appropriation under agreement. A grant agreement has been drafted with the assistance of DENR legal counsel, and the DENR review process has been completed.

These funds are for the feasibility level study update of the Watertown & Vicinity Big Sioux Flood Control Study to be completed by the United States Army Corps of Engineers. The Corps of Engineers completed a feasibility report and cost-benefit study in the 1990s. The Corps has proposed a \$1.05 million update to prepare an integrated Feasibility Study and Environmental Assessment to evaluate alternatives, identify the national economic development plan and alternatives, and recommend a project plan. These funds will provide half of the required nonfederal cost share.

RECOMMENDED ACTION: Approve the resolution authorizing the Chairman to execute the State Water Resources Management System Grant Agreement with the city of Watertown.

CONTACT: Jim Feeney (773-4216)

CITY OF WATERTOWN

23 Second St. NE
P.O. Box 910
Watertown, SD 57201-0910
www.watertownsd.us

Mayor
605-882-6200
Fax: 605-882-5214

Regional Airport
605-882-6209
Fax: 605-882-5285

Building Services
605-882-6201
Fax: 605-882-5264

Mt. Hope Cemetery
605-882-6208

City Attorney
605-882-6200
Fax: 605-882-5214

Engineering
& Planning
605-882-6202
Fax: 605-882-5264

Finance Office
605-882-6203
FAX 605-882-6218

Fire Department
605-882-5030
FAX 605-882-5041

Library
605-882-6220
FAX 605-882-6221

Park, Rec &
Forestry Dept.
605-882-6260
FAX 605-882-5204

Police Dept.
605-882-6210
FAX 605-882-6216

Solid Waste Dept.
605-882-6219
Fax: 605-882-6375

Street Dept.
605-882-6207

Watertown
Community
Recreation Center
605-882-6250
FAX 605-882-6254

Wastewater
Treatment Facility
605-882-6243
FAX 605-882-6242

March 7, 2016

Jim Feeney, Division Director
Department of Environment and Natural Resources
Division of Financial and Technical Assistance
523 E. Capitol Avenue
Pierre, SD 57501

RE: SWRMS Project, Big Sioux Flood Control Study

Dear Mr. Feeney:

On behalf of the City of Watertown, I respectfully request to have Watertown's legislative appropriation of \$225,125 in grant funds to be put under contract at the Board of Water and Natural Resources (BWNR) next meeting.

We plan to use the funds to complete the feasibility level study update by the US Army Corps of Engineers to further investigate flood risk management solutions for our community.

The support and assistance the City continues to receive from the BWNR and the DENR are greatly appreciated. Please feel free to contact me or Assistant City Engineer Sarah Caron with any questions or requests for further information.

Sincerely,

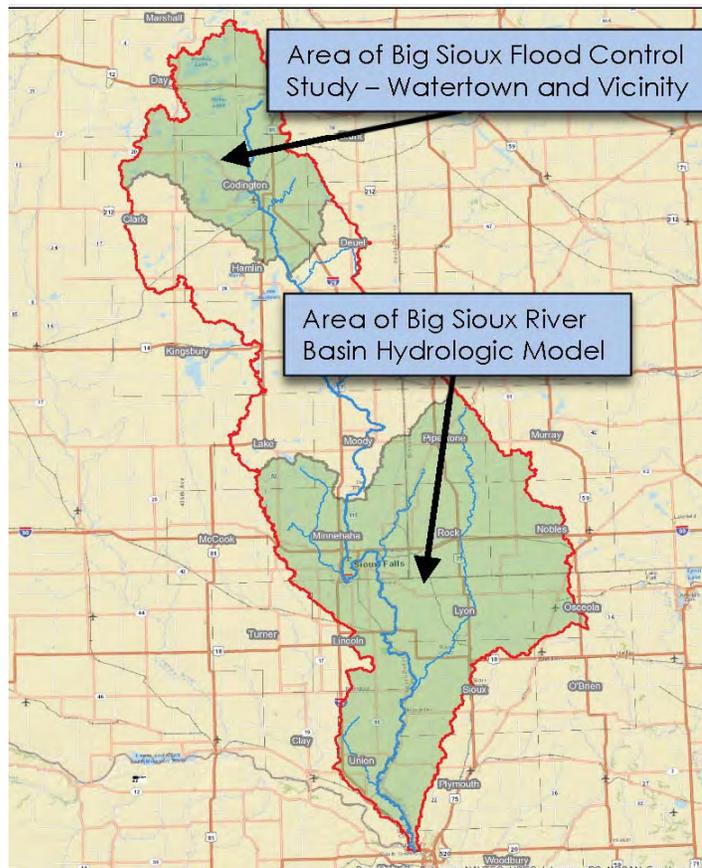


Steve Thorson
Mayor

State Water Resources Management System

Section 2—Hydrologic Model of the Big Sioux River Basin in Eastern South Dakota

- ◆ In June 2014 large rain events in the lower Big Sioux River basin created a large flood event between Canton and North Sioux City. Flows at Akron, Iowa hit a record 108,000 cubic feet per second, exceeding the flows of a 100-year flood.
- ◆ Large amounts of time, materials and financial resources were consumed trying to protect homes and infrastructure from rising flood waters.
- ◆ Post-flood analysis showed that current models do not accurately portray the complex hydrology of this area. A new hydrologic model is needed to accurately predict what will happen when this area floods so that appropriate preparations can be made.
- ◆ Data generated from this model will allow the state to create inundation maps in critical areas to prepare for the next flood response.
- ◆ In the 2015 legislative session, HB 1188 requested \$500,000 in General Funds for the first of a three-phase effort to model the Big Sioux River basin. House and Senate Appropriations Committee hearings were held, and the bill was ultimately tabled.



- ◆ The Board of Water and Natural Resources recommended a \$750,000 Water and Environment Fund appropriation to finance the first of a two-phase effort to model the Big Sioux River basin.

Section 3—Big Sioux Flood Control Study — Watertown and Vicinity

- ◆ The State Legislature placed the study on the State Water Resources Management System in 1989. The Corps of Engineers completed a feasibility report and cost-benefit study in the early 1990s. The state provided \$150,000 to cost share the study.
- ◆ The Corps has proposed a \$1.05 million update to prepare an integrated Feasibility Study and Environmental Assessment to evaluate alternatives, identify the national economic development plan and alternatives, and recommend a project plan.
- ◆ The Board of Water and Natural Resources recommended a \$225,125 Water and Environment Fund appropriation to provide half of the required nonfederal cost share.

TITLE: City of Sioux Falls State Water Resources Management System Grant Agreement

EXPLANATION: The 2016 State Legislature appropriated \$2,036,375 in grant funds for the Sioux Falls flood control project in Section 1 of Senate Bill 68. This funding is being provided through the State Water Resources Management System component of the State Water Plan. The department has received a request from the city of Sioux Falls to place this appropriation under agreement. A grant agreement has been drafted with the assistance of DENR legal counsel, and the DENR review process has been completed.

These funds are for the engineering design, right-of-way acquisition, preconstruction activities, and construction of the Sioux Falls flood control project as authorized in Section 17 of Chapter 254 of the 1992 Session Laws. The work for this project is complete and has resulted in 1,600 properties along the Big Sioux River in Sioux Falls being removed from the flood zone on Flood Insurance Rate Maps. These funds will complete the state's cost share commitment for this project.

RECOMMENDED ACTION: Approve the resolution authorizing the Chairman to execute the State Water Resources Management System Grant Agreement with the city of Sioux Falls.

CONTACT: Jim Feeney (773-4216)



Mike T. Huether
MAYOR, CITY OF SIOUX FALLS

224 West Ninth Street • P.O. Box 7402 • Sioux Falls, SD 57117-7402 • www.siouxfalls.org
Phone: 605-367-8800 • Fax: 605-367-8490 • Hearing Impaired: 605-367-7039

March 2, 2016

Mr. Jim Feeney
SD Department of Environment
and Natural Resources
523 East Capitol Avenue
Pierre, SD 57501

Dear Mr. Feeney:

Subject: Sioux Falls Flood Control Project Funding

On behalf of the City of Sioux Falls, we respectfully request to have the Sioux Falls' legislative appropriation grant of \$2,036,375 be put under contract at the Board of Water and Natural Resources (BWNR) next meeting.

This appropriation represents the remaining funding committed by the South Dakota Department of Environment and Natural Resources (DENR) to the Sioux Falls Flood Control Project. This project completed improvements to the City's flood control system which will remove nearly 1,600 properties from the FEMA floodplain.

The BWNR and the DENR have been great partners with the City throughout this process. The funding provided for this project was greatly appreciated. Please feel free to contact our Environmental Manager, Andy Berg, at (605) 367-8637 if you have questions or need further information.

Sincerely,

*Thank you
Jim!*

Mike T. Huether
Mayor

cc. Andy Berg, Environmental Manager, City of Sioux Falls
Andy Bruels, Engineering Manager, Water & Waste Funding Program

State Water Resources Management System

Section 1—Sioux Falls Flood Control Project

- ◆ The Legislature placed this project on the State Water Resources Management System in 1989; \$6.21 million in state cost share has been appropriated to date.
- ◆ Phase 1 work [Figure 1] was initiated in 2000 and completed in 2003 and included improvements to the diversion dam spillway and levees near the spillway and around the John Morrell’s plant.
- ◆ In December 2009, the city of Sioux Falls issued \$27 million in taxable revenue bonds; \$17 million of the total was advanced to the Corps of Engineers for levee and dam construction. The balance was to pay for the 41st Street bridge project.
- ◆ Phase 2 work was completed in 2012 and included improvements to the levees along the Big Sioux River and Skunk Creek, construction of a new dam on the Big Sioux River and a storm water lift station.

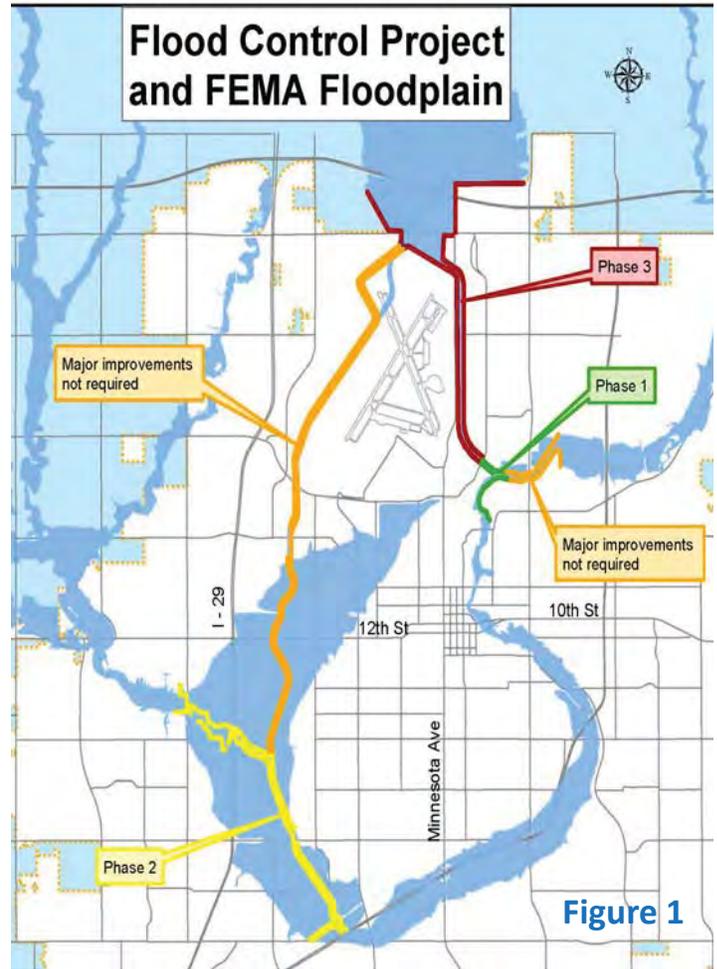


Figure 1

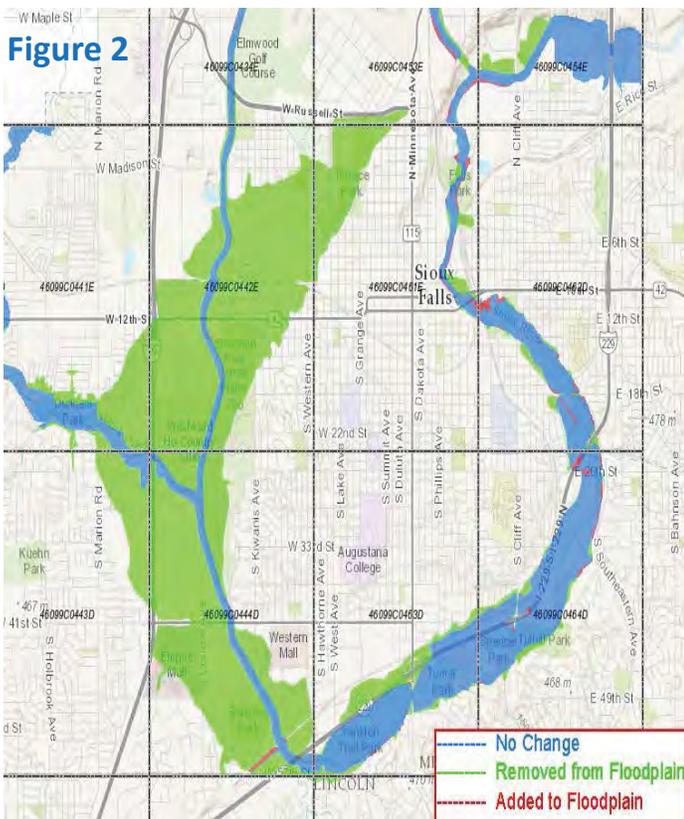


Figure 2

- ◆ Phase 3 work included improvements to the levees above the diversion dam and was completed in 2013. The value of homes and businesses in the floodplain protected by the levee improvements is \$723 million (this includes the Empire Mall as well as other large commercial properties within the state’s largest retail/commercial area).
- ◆ With completion of the flood control project, the Federal Emergency Management Agency removed the area in green [Figure 2] from the floodplain resulting in 1,600 properties being removed from the flood zone on the Flood Insurance Rate Maps.
- ◆ The federal project cost totaled \$65.971 million with 25 percent nonfederal cost share required; the state agreed to provide half of the nonfederal cost share. Sioux Falls has requested \$2,036,375 to complete the state’s cost share commitment.

TITLE: Department of Environment and Natural Resources State Water Resources Management System Grant Agreement

EXPLANATION: The 2016 State Legislature appropriated \$750,000 for the development of a hydrologic model of the Big Sioux River basin in Section 2 of Senate Bill 68. This funding was provided through the State Water Resources Management System component of the State Water Plan under the Statewide Hydrology and Water Management Studies Project. The appropriation language authorized the Board to provide the grant for up to one hundred percent of the nonfederal cost of the model development.

The department is requesting that the board place this appropriation under agreement. A grant agreement has been drafted with the assistance of DENR legal counsel, and the DENR review process has been completed.

The hydrologic model will aid federal, state, and local officials in assessing potential impacts of future flood events so that appropriate and cost-effective flood protection strategies can be implemented.

RECOMMENDED ACTION: Approve the resolution authorizing the Chairman to execute the State Water Resources Management System Grant Agreement with the Department of Environment and Natural Resources.

CONTACT: Jim Feeney (773-4216)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

February 29, 2016

Mr. Brad Johnson, Chairman
Board of Water and Natural Resources
523 East Capitol Avenue
Pierre, SD 57501

RE: Request to Place SWRMS Funds for the Big Sioux River Basin Hydrologic Model
under Agreement

Dear Chairman Johnson:

On behalf of the Department of Environment and Natural Resources, I respectfully request to have the \$750,000 appropriated for the Big Sioux River Basin hydrologic model placed under agreement by the Board of Water and Natural Resources. The funds were appropriated by the 2016 State Legislature in Senate Bill 68 which was signed by Governor Daugaard on February 18, 2016.

The department will utilize these funds to contract with a consultant to develop a hydrologic and hydraulic model and related products for the Big Sioux River Basin. This model will aid federal, state and local officials in assessing potential impacts of future flood events so that appropriate and cost effective flood protection strategies can be implemented.

Sincerely,

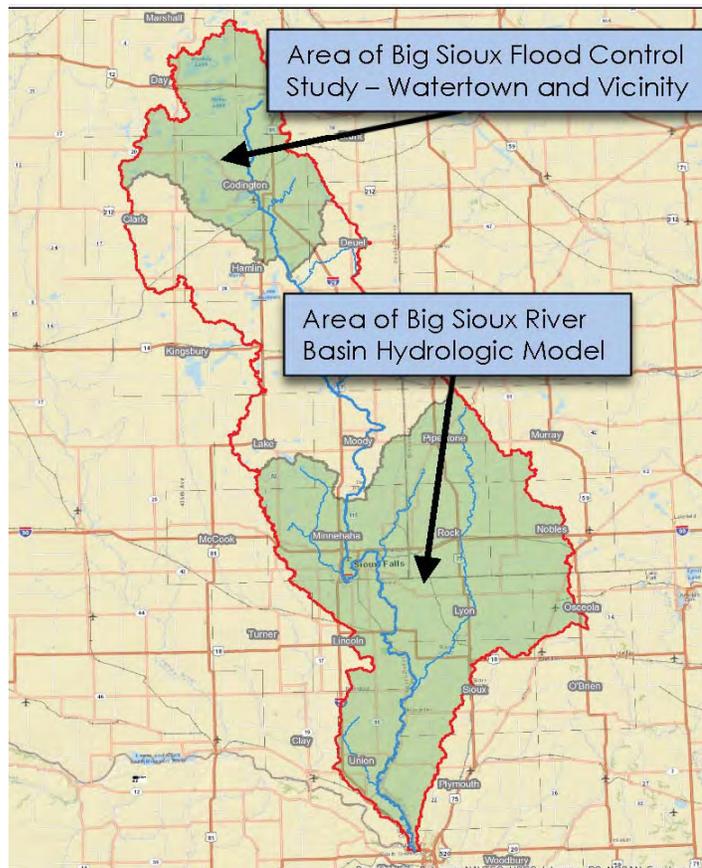
A handwritten signature in black ink, appearing to read "Steve Pirner".

Steven M. Pirner
Secretary

State Water Resources Management System

Section 2—Hydrologic Model of the Big Sioux River Basin in Eastern South Dakota

- ◆ In June 2014 large rain events in the lower Big Sioux River basin created a large flood event between Canton and North Sioux City. Flows at Akron, Iowa hit a record 108,000 cubic feet per second, exceeding the flows of a 100-year flood.
- ◆ Large amounts of time, materials and financial resources were consumed trying to protect homes and infrastructure from rising flood waters.
- ◆ Post-flood analysis showed that current models do not accurately portray the complex hydrology of this area. A new hydrologic model is needed to accurately predict what will happen when this area floods so that appropriate preparations can be made.
- ◆ Data generated from this model will allow the state to create inundation maps in critical areas to prepare for the next flood response.
- ◆ In the 2015 legislative session, HB 1188 requested \$500,000 in General Funds for the first of a three-phase effort to model the Big Sioux River basin. House and Senate Appropriations Committee hearings were held, and the bill was ultimately tabled.



- ◆ The Board of Water and Natural Resources recommended a \$750,000 Water and Environment Fund appropriation to finance the first of a two-phase effort to model the Big Sioux River basin.

Section 3—Big Sioux Flood Control Study — Watertown and Vicinity

- ◆ The State Legislature placed the study on the State Water Resources Management System in 1989. The Corps of Engineers completed a feasibility report and cost-benefit study in the early 1990s. The state provided \$150,000 to cost share the study.
- ◆ The Corps has proposed a \$1.05 million update to prepare an integrated Feasibility Study and Environmental Assessment to evaluate alternatives, identify the national economic development plan and alternatives, and recommend a project plan.
- ◆ The Board of Water and Natural Resources recommended a \$225,125 Water and Environment Fund appropriation to provide half of the required nonfederal cost share.

TITLE: Retention of Future Use Water Permit No. 2472-2 for the Gregory County Pumped Storage Project

EXPLANATION: In March 2002, the Board of Water and Natural Resources, acting in its capacity as the South Dakota Conservancy District, applied for and received a Future Use Permit for the Gregory County Hydroelectric Pumped Storage (GCPS) project from the South Dakota Water Management Board. GCPS is a proposed pumped storage hydroelectric facility to be located along Lake Francis Case in Gregory County. Water from Lake Francis Case would be pumped to an upper reservoir during lower cost, off-peak energy demand periods and then released to generate high value peak energy.

Future Use Permit No. 2472-2 is up for a seven year review by the Water Management Board to determine whether a reasonable need exists for the reserved water. Permit No. 2472-2 is for 24,000 acre-feet of water from Lake Francis Case to accommodate the weekly cycle of drawdown and refill of the project's upper storage reservoir.

Future Use Permit No. 2472-2 was last reviewed in March of 2009 and allowed to remain in effect. At the time of the 2002 application and the 2009 seven year review, SDCL 46-2-13 exempted state agencies from paying fees for permit applications. Legislation that went into effect July 1, 2009, removed this exemption, and state agencies are now required to pay filing fees. The fee to continue to reserve 24,000 acre-feet for this non-consumptive use is \$2,055.

The attached letter from Eric Gronlund, Water Rights Program, outlines the future use permit renewal process and options available to the board.

RECOMMENDED ACTION: Staff recommends the board adopt a motion to not retain Future Use Permit No. 2472-2 and allow the permit to expire.

CONTACT PERSON: James Feeney (773-4216)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

January 11, 2016

South Dakota Conservancy District
c/o Jim Feeney
SD Department of Environment and Natural Resources
523 E Capitol Avenue
Pierre SD 57501

Dear Mr. Feeney:

Future Use Water Permit No. 2472-2 held by the South Dakota Conservancy District is coming due for a seven year review. Currently, this future use permit reserves up to 24,000 acre feet of water weekly from the Missouri River to accommodate the weekly cycle of drawdown and refill of the reservoir for the proposed Gregory County Pumped Storage Hydroelectric Project in northern Gregory County. Future Use Permit No. 2472-2 is enclosed.

By law, all future use permits are to be reviewed by the Water Management Board every seven years to determine whether a reasonable need exists for the reserved water. Future Use Permit No. 2472-2 was issued in March of 2002 and last reviewed in March of 2009 and allowed to remain in effect.

The Water Rights Program recognizes that the Board of Water and Natural Resources acting in their capacity as the South Dakota Conservancy District is responsible for the decision whether to retain the future use permit. Since the next Board meeting is March 23 - 24, 2016, we ask for a response in writing by March 31, 2016, regarding whether they request to retain the future use permit. If the District plans to retain the permit, the response should outline a reasonable need for retaining the future use permit.

If the District requests to retain the future use permit, it will then be public noticed at the District's expense and scheduled for hearing before the Water Management Board pursuant to SDCL 46-5-38.1. A fee will be charged if the Board allows the permit to remain in effect after the hearing. The fee to be assessed will be dependent upon the amount of water allowed to remain in reserve. If the entire 24,000 acre-feet remains in reserve, the fee will be \$2,055.00. If the District chooses not to retain the future use permit, the permit will be scheduled for cancellation before the Water Management Board.

Please contact me if you have any questions.

Sincerely,


Eric Gronlund
Water Rights Program, DENR

enclosure

**SOUTH DAKOTA
FUTURE USE PERMIT NO. 2472-2**

Date of first receipt of application November 9, 2001.

The Water Management Board approved Future Use Permit No. 2472-2 on March 13, 2002 for South Dakota Conservancy District, 523 E Capitol, Pierre SD 57501 subject to the following limitations, conditions and qualifications:

1. Future Use Permit No. 2472-2 reserves water from the Missouri River for the Gregory County Pumped Storage Hydroelectric Project in northern Gregory County. The Missouri River intake diversion point is to be located between the section line between Sections 34 and 35, T99N, R70W and the section line between Sections 11 and 12, T98N, R70W. Water would be pumped to an upper reservoir with a 24,000 acre foot storage capacity during low cost off-peak energy periods and then be available to generate higher value energy during times of peak demand periods. The permit reserves up to 24,000 acre feet of water weekly from the Missouri River to accommodate the weekly cycle of drawdown and refill of the reservoir. The water use will be non-consumptive except for evaporation, seepage and minor transmission losses. The storage reservoir will be located in Section 5, T98N, R70W. This permit does not authorize construction of works or application of water to beneficial use.
2. The water appropriated shall be used for the purpose of a peak generation facility and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date from which applicant may claim right is November 9, 2001.
5. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. Permit No. 2472-2 reserves 24,000 acre feet of water weekly from the Missouri River to allow the reservoir to be refilled after reservoir is drawdown for power generation.
2. That Future Use Permit No. 2472-2 is approved with the stipulation that the Permit to appropriate water is subject to review by the Water Management Board as to accomplishment thereunder upon expiration of seven (7) years.
3. At such time as definite plans are made to construct works and put the water reserved by this permit to beneficial use, specific application for all or any part of the reserved water must be submitted prior to construction of facilities pursuant to SDCL 46-5-38.1.

WATER MANAGEMENT BOARD

By: Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

MAR 22 2002

date



TITLE: Amendment to SRF Program Investment Advisor Agreement.

EXPLANATION: At its January 4, 2013, meeting, the board authorized the distribution of a Request for Proposals (RFP) for an investment manager for the SRF Programs. On March 11, 2013, the board selected PFM Asset Management as its investment manager for a three-year period from April 1, 2013 to March 31, 2016.

The RFP provided that, "The board reserves the right to renew the contract to be awarded to the successful respondent for an additional three-year period if the board considers any contract adjustment to be reasonable and justified."

With the current agreement scheduled to expire on March 31, 2016, PFM Asset Management, LLC submitted a letter to the department requesting that the Investment Advisor Agreement be extended for three additional years. With assistance from the Office of Attorney General, the First Amendment to the contract with PFM has been prepared and reviewed by PFM Asset Management and DENR.

RECOMMENDED ACTION: Authorize the chairman to execute the First Amendment to the Investment Advisor Agreement.

CONTACT: Jon Peschong (773-4216)



77 West Port Plaza
Suite 220
St. Louis, MO 63146

314 878-5000
314 878-5333 fax
www.pfm.com

February 24, 2016

James Feeney, Natural Resources Administrator
Department of Environment and Natural Resources
523 East Capitol Avenue
Pierre, SD 57501

Dear Mr. Feeney,

PFM Asset Management, LLC (“PFMAM”) and the South Dakota Conservancy District (the “District”) are parties to an Investment Advisor Agreement dated as of April 1, 2013 (the “Agreement”) for the provision of investment advisory services. The term of the Agreement expires March 31, 2016. PFMAM is willing to extend the term of the Agreement for another three years, through March 31, 2019, under the same terms and conditions, and the same fees, as are set forth in the Agreement. If the District is willing to agree to this extension, PFMAM can provide for your review and consideration an amendment to the Agreement to provide for this extension.

Sincerely,

Maria Altomare
Managing Director

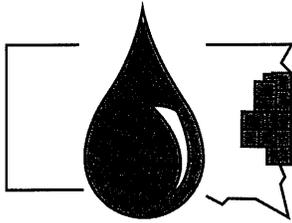
TITLE: Second Amendment to Joint Powers Agreement with East Dakota Water Development District for Aquifer Delineation Technical Assistance to Community Water Systems.

EXPLANATION: The board entered into a Joint Powers Agreement dated April 24, 2013, and the contract was later amended at the March 2015 meeting. East Dakota Water Development District is to undertake and complete the Updating/Implementation of Comprehensive Local Groundwater Protection for Shallow Aquifers in Eastern South Dakota.

With the current agreement scheduled to terminate on April 1, 2016, East Dakota Water Development District submitted a letter to the department requesting that the Joint Powers Agreement be extended to June 30, 2017.

RECOMMENDED ACTION: Authorize the chairman to execute the Second Amendment to the Joint Powers Agreement with East Dakota Water Development District for aquifer delineation technical assistance to community water systems.

CONTACT: Jon Peschong (773-4216)



EAST DAKOTA WATER DEVELOPMENT DISTRICT

March 11, 2016

Jonathan Peschong
SD DENR Water & Waste Water Funding Program
523 East Capitol Avenue
Pierre, South Dakota 57501

Dear Mr. Peschong:

I would like to formally request a 15-month, no-cost time extension to the Joint Powers Agreement between the South Dakota Board of Water and Natural Resources (Board) and the East Dakota Water Development District (District) for the completion of the Updating/Implementation of Comprehensive Local Groundwater Protection for Shallow Aquifers in Eastern South Dakota Project (Project). The current agreement is scheduled to end on April 1, 2016, and we would request that this date be re-set to June 30, 2017.

Please forward this request to the Board. I plan on attending their March 30 & 31 meeting in Pierre, and would be happy to answer any questions about this request. If the schedule allows, I would also be willing to provide a brief summary of Project efforts to date.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jay P. Gilbertson', with a long horizontal line extending to the right.

Jay P. Gilbertson
Manager/Treasurer

TITLE: Third Amendment to Joint Powers with Agreement Central South Dakota Enhancement District for SRF Application and Administration and Davis-Bacon Monitoring

EXPLANATION: Since 2005, the board has entered into consulting contracts with each of the planning districts to provide administrative services in the form of State Revolving Fund loan applications and administration. In 2009, staff discussions with Harold Deering of the Attorney General's Office concluded that Joint Powers Agreements were preferable to consulting contracts, since planning districts can be considered to be governmental entities.

At its meeting on March 26, 2015, the Board increased reimbursement rates for the three SRF application and administration and two Davis-Bacon installments effective for applications presented to the Board at its regular March 2015 meeting. Depending upon when the funding was or is approved, SRF application/administration payments are \$7,500 or \$9,000, and the Davis-Bacon payments are \$1,000 or \$1,100.

The Second Amendment to Joint Powers Agreement with Central South Dakota Enhancement District put a total of \$70,800 under agreement. This Second Amendment will add \$39,900, provided by the Clean Water and Drinking Water SRF Administrative Surcharge fees, to the total available to Central South Dakota Enhancement District.

RECOMMENDED ACTION: Approve the Third Amendment to the Joint Powers Agreement with the Central South Dakota Enhancement District for SRF loan application and administration and Davis-Bacon monitoring.

CONTACT: Derek Lankford, 773-4907

TITLE: Lead and Copper Monitoring in South Dakota

EXPLANATION: Mark Mayer, Drinking Water Program administrator will provide an informational update on South Dakota's monitoring of lead and copper in public water distribution systems. Please see the attached document for a summary of what will be discussed.

CONTACT: Mark Mayer (773-3754)

Summary of Lead and Copper Monitoring in South Dakota

What Causes Lead in Drinking Water:

- Lead enters tap water through the corrosion of plumbing materials.
- Homes built before 1986 are more likely to have lead fixtures and solder. Older homes built prior to World War II are more likely to contain lead pipes.
- The amount of lead in tap water also depends on the types and amounts of minerals in the water, how long the water stays in the pipes, the amount of wear in the pipes, the pH of the water, and its temperature.

What is the Lead and Copper Rule:

- In June of 1991, the United States Environmental Protection Agency published a regulation to control lead and copper in the drinking water; this became known as the Lead and Copper Rule.
- The treatment technique for the rule requires systems to monitor drinking water at customer taps.
- If the 90th percentile for lead exceeds an action level of 15 parts per billion; the system must undertake a number of additional actions to control corrosion. Typically an orthophosphate is added to control the corrosivity of the water.
- The regulation also requires systems to collect customer tap samples from sites served by the system that are more likely to have plumbing materials containing lead. If the 90th percentile action level for lead is exceeded, then water systems are required to take additional actions such as public notice and determine an optimal corrosion control plan.

How often do systems test for Lead and Copper:

- Initially systems are required to conduct 2 consecutive rounds of 6 month monitoring.
- Any water system that demonstrates 2 consecutive rounds of 6 month monitoring periods that the 90th percentile tap water level is equal to or below 5 parts per billion and the copper level is equal to or below 0.65 parts per million may reduce its sampling frequency to once every 3 years.
- If a system is not able to demonstrate levels less than or equal to 5 parts per billion for lead and less than or equal to 0.65 parts per million for copper; they will continue on to 2 rounds of annual monitoring. After 2 rounds of annual monitoring, the system will move to sampling every 3 years.
- If a system changes sources or treatment techniques, the system starts back at 2 rounds of consecutive 6 month monitoring.

Monitoring for Lead and Copper in South Dakota's Water Systems:

- 23 systems, which serve a total of 93,273 people in South Dakota, have corrosion control treatment installed to help limit the corrosion potential of the treated water and reduce lead and copper leaching from the plumbing.
- Since the promulgation of the lead and copper rule in 1991, 32 South Dakota systems have exceeded the lead action level and distributed the required public notices. All systems have also installed corrosion control treatment.
- Currently one system which supplies water to 180 people exceeds the action level for lead. The system changed operators and had discontinued using their existing corrosion control treatment system. This was determined in September of 2014. We contacted them in November of 2014 informing them of public education requirements and instructed them to restart their corrosion control equipment which was completed in September 2015. The system is now required to complete two 6-month monitoring periods followed by two rounds of annual monitoring before they will be allowed to sample on a 3 year cycle. The first 6-month sampling will be in May 2016.
- All public water systems are required to issue a Consumer Confidence Report each year. Lead and Copper sampling results for the system are required to be shown on the report. To see your system's report you may visit the State of South Dakota's Drinking Water Website at <http://denr.sd.gov/des/dw/dwhome.aspx>

TITLE: Board of Water and Natural Resources SFY 2017 Meeting Schedule

EXPLANATION: Each year the board establishes a tentative meeting schedule for the coming fiscal year. The following dates are suggested for the board's consideration.

September 22-23, 2016
November 9 or 10, 2016
January 5 or 6, 2017
March 30-31, 2017
June 23-24, 2017

RECOMMENDED ACTION: Set tentative SFY 2017 schedule for Board of Water and Natural Resources meetings.

CONTACT: Mike Perkovich
773-4216

Calendar for July 2016–June 2017

July 2016

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August 2016

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September 2016

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October 2016

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November 2016

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December 2016

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January 2017

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February 2017

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26	27	28				

March 2017

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April 2017

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May 2017

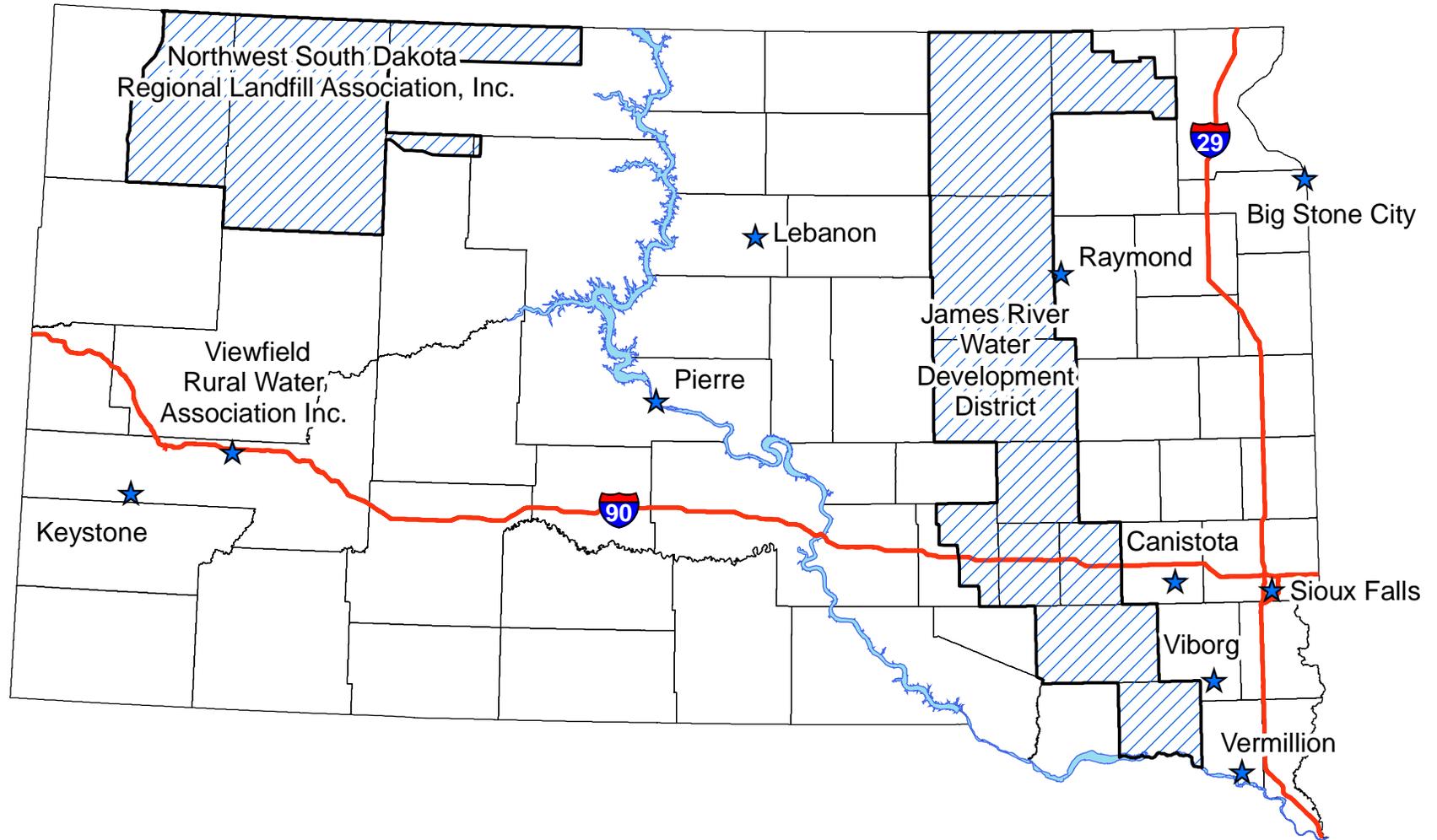
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28	29	30	31			

June 2017

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11	12	13	14	15	16	17
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State Water Plan Applications

March 2016



Staff is recommending that the following projects be placed on the State Water Facilities Plan:

- Big Stone City
- Canistota
- James River Water Development District
- Keystone - Water
- Keystone – Wastewater
- Lebanon
- Northwest South Dakota Regional Landfill Association, Inc.
- Pierre
- Raymond
- Sioux Falls – Basin 14D
- Sioux Falls – Primary Digester
- Vermillion
- Viborg
- Viewfield Rural Water Association, Inc.

Staff is recommending that the following projects be added to *Attachment I – Project Priority* list of the Clean Water SRF Intended Use Plan:

Priority Points	Loan Recipient	Estimated Loan Amount	Expected Loan Rate & Term
22	Raymond	\$1,465,850	3.25%, 30 years
21	Keystone	\$630,555	3.00%, 20 years
20	Sioux Falls – Primary Digester	\$8,115,000	2.25%, 10 years
15	Northwest SD Reg. Landfill	\$604,000	2.25%, 10 years
14	Sioux Falls – Basin 14D	\$7,700,000	2.25%, 10 years
12	Astoria	\$744,400	3.25%, 30 years
12	Vermillion	\$1,309,000	3.00%, 20 years
10	Pierre	\$1,250,000	3.25%, 30 years
10	Viborg	\$135,000	3.25%, 30 years
6	Canistota	\$431,000	3.25%, 30 years
6	Lebanon	\$1,270,641	3.25%, 30 years

Staff is recommending that the following projects be added to *Attachment I – Project Priority* list of the Drinking Water SRF Intended Use Plan:

Priority Points	Loan Recipient	Estimated Loan Amount	Expected Loan Rate & Term
227	Viewfield Rural Water Assc.	\$250,000	3.00%, 30 years
53	Keystone	\$98,000	2.25%, 30 years
4	Canistota	\$99,000	3.00%, 30 years

**SOLID WASTE MANAGEMENT PROGRAM FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Pierre

Total Project Cost: \$825,000
BWNR Funding Assistance Requested: \$250,000
Rate/Term: 2.25%/10 years
Security Pledged For Repayment Of Loan: Sales Tax

Staff Analysis

- 1) In June 2015, the Board approved a Regional Landfill Assistance grant for up to 40 percent of all approved total project costs not to exceed \$330,000 and awarded a \$245,000 Regional Landfill Assistance loan at 2.25% for 10 years to replace the baler for the regional landfill.
- 2) At that time, the city of Pierre indicated that they would use \$250,000 in local cash. After the city completed the 2016 budget process, there was not adequate funding and is now requesting to increase the loan amount by the \$250,000.

Funding Recommendation: Rescind Resolution #2015-91 which awarded the original loan and award a new Solid Waste Management Program loan for \$495,000 at 2.25% for 10 years.

Debt Service Coverage: 213% debt service coverage

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective

March 2016 Available Funds Summary

CONSOLIDATED WATER FACILITIES CONSTRUCTION PROGRAM

Available Prior Year Funds (8-Jan-2016):	\$	203,507
2016 Omnibus Appropriation:	\$	5,250,000
Reversions:	\$	1,566,399
Available for Award:	<u>\$</u>	<u>7,019,906</u>

DRINKING WATER FACILITY GRANTS

BUILD AMERICA BONDS (BABs) FEDERAL SUBSIDY PAYMENTS

2016 Omnibus Appropriation:	\$	1,250,000
Reversions:	\$	-
Available for Award:	<u>\$</u>	<u>1,250,000</u>

DRINKING WATER SRF PRINCIPAL FORGIVENESS

Prior Year Principal Forgiveness Allocations:	\$	33,499,400
FFY-16 Maximum Allocation:	\$	1,662,400
Reverted Principal Forgiveness:	\$	-
Awarded to Date:	<u>\$</u>	<u>(33,149,190)</u>
Available For Award:	<u>\$</u>	<u>2,012,610</u>
Princ. Forg. for Disadvantaged Communities:	\$	2,493,600
Total Available for Award:	<u>\$</u>	<u>4,506,210</u>

DRINKING WATER SRF LOANS

Available Prior Year Funds (30-Sept-2015):	\$	24,567,413
FFY-16 Cap Grant & Match:	\$	9,400,680
FFY-16 Repayments:	\$	12,000,000
Leveraged Bonds:	\$	-
Deobligations/Recissions:	\$	1,095,000
FFY-16 Awards to Date:	<u>\$</u>	<u>-</u>
Available for Award:	<u>\$</u>	<u>47,063,093</u>

March 2016 Available Funds Summary

CLEAN WATER SRF WATER QUALITY GRANTS

Available Prior Year Funds (8-Jan-2016):	\$	136,692
2016 IUP Allocation:	\$	1,300,000
Reversions:	\$	-
SCPG Allotment:	\$	(100,000)
Awarded to Date:	\$	(93,000)
Available for Award:	<u>\$</u>	<u>1,243,692</u>

WASTEWATER FACILITY GRANTS

BUILD AMERICA BONDS (BABs) FEDERAL SUBSIDY PAYMENTS

2016 Omnibus Appropriation:	\$	2,750,000
Reversions:	\$	-
Available for Award:	<u>\$</u>	<u>2,750,000</u>

CLEAN WATER SRF PRINCIPAL FORGIVENESS

Prior Year Principal Forgiveness Allocations:	\$	10,865,099
FFY-16 Maximum Allocation:	\$	2,623,000
Reverted Principal Forgiveness:	\$	200,000
Awarded to Date:	\$	(10,812,085)
Available For Award:	<u>\$</u>	<u>2,876,014</u>

CLEAN WATER SRF LOANS

Available Prior Year Funds (30-Sept-2015):	\$	41,401,115
FFY-16 Cap Grant & Match:	\$	7,450,525
FFY-16 Repayments:	\$	15,500,000
Leveraged Bonds:	\$	-
Deobligations/Recissions:	\$	9,766,366
FFY-16 Awards to Date:	\$	-
Available For Award:	<u>\$</u>	<u>74,118,006</u>

**DRINKING WATER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Emery DW-01

Total Project Cost:	\$2,355,000
BWNR Funding Assistance Requested:	\$2,355,000
Rate/Term:	3%/30 years
Security Pledged For Repayment Of Loan:	Project Surcharge

Staff Analysis

- 1) The current project funding includes a Drinking Water SRF loan of \$1,585,000 and a Consolidated grant of \$615,000. If current loan is not amended, the city will have to establish a surcharge of approximately \$34.20 per month. This would result in total rates of \$74.20.
- 2) The original estimated project cost of \$2,200,000 was determined to not fully cover current cost estimates and needs to be increased by \$155,000, bringing the new project total to \$2,355,000.
- 3) At the recommended level of loan funding, Emery will need to establish a surcharge of \$10.50, bringing total water rates to \$51.50.

Funding Recommendation: Rescind Resolution #2015-87 which awarded the original loan and to award a new \$490,000 Drinking Water SRF loan, at 3.00% for 30 years, and a Build America Bond grant not to exceed \$1,250,000.

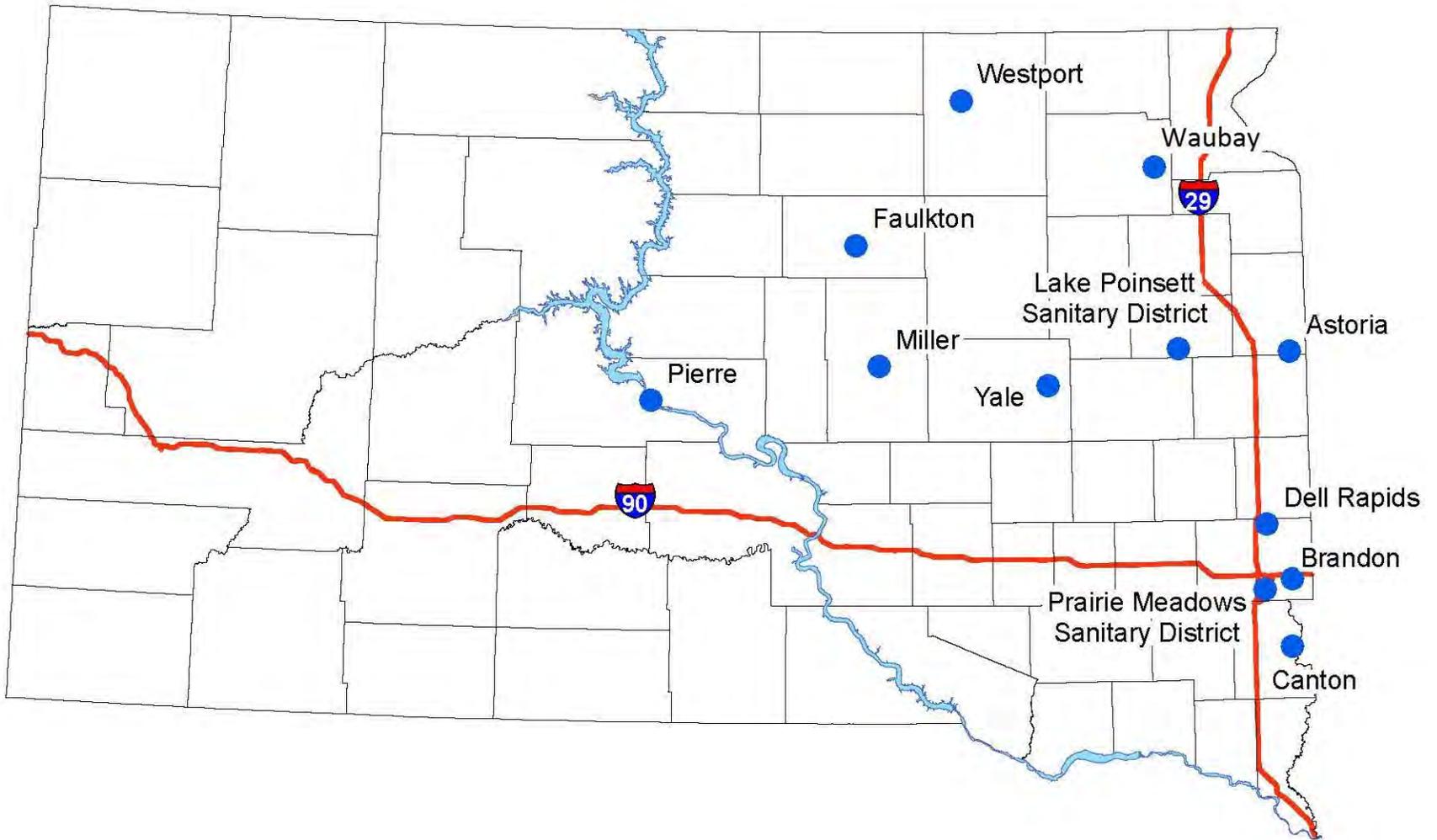
Amending the Consolidated grant to 26.2 percent not to exceed \$615,000, based on total project costs of \$2,355,000.

Debt Service Coverage: 110% based on a \$10.50 surcharge

Contingencies:

- 1) Contingent upon the Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Dell Rapids (CW-09)

Total Project Cost:	\$5,758,000
BWNR Funding Assistance Requested:	\$5,758,000
Rate/Term:	3.25%/30 years
Security Pledged For Repayment Of Loan:	Project Surcharge

Staff Analysis

- 1) Dell Rapids current rate is \$43.64/5,000 gallons. If funding is provided as all loan, Dell Rapids will need to enact a surcharge of \$20.70/account bringing the rate to \$64.34/5,000 gallons.
- 2) Dell Rapids has a second application pending. If the funding is provided as all loan, Dell Rapids' current rates will provide full coverage for the second loan.
- 3) Dell Rapids will require subsidy for the two funding applications to keep rates at or below \$55/5,000 gallons.

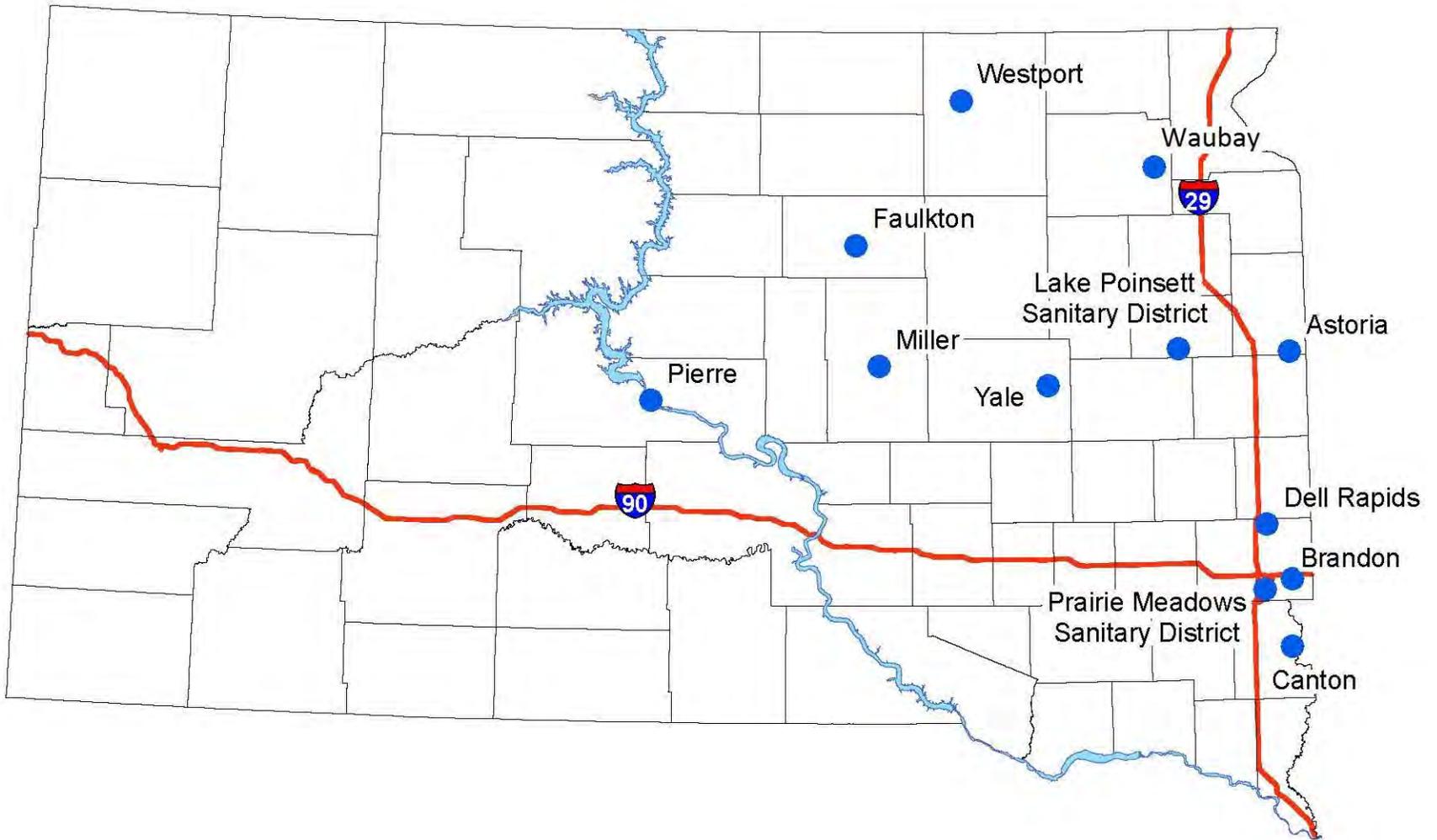
Funding Recommendation: Award a \$2,386,000 CWSRF loan at 3.25% for 30 years, a Consolidated grant for \$1,540,000, and a Build America Bond grant for \$1,832,000.

Debt Service Coverage: 110% based on a surcharge of at least \$8.60/month/customer which would increase current rate to \$52.24/5,000 gallons.

Contingencies:

- 1) Contingent upon the borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the borrower establishing a surcharge at a level sufficient to provide the required debt coverage.

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Lake Poinsett Sanitary District CW-05

Total Project Cost: \$8,580,000

BWNR Funding Assistance Requested: \$8,580,000

Rate/Term: 3.25%/30 years

Security Pledged For Repayment Of Loan: Project surcharge

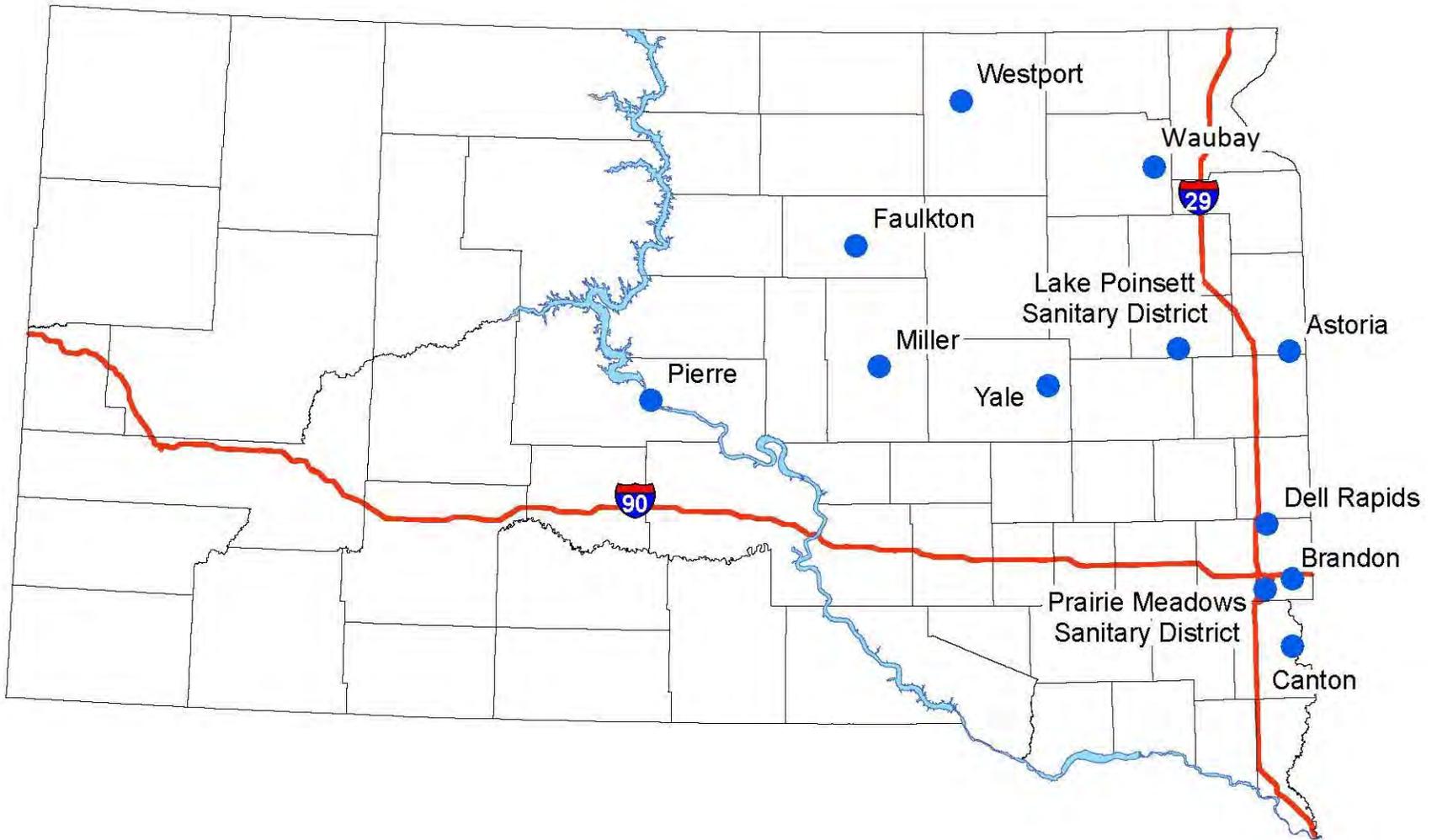
Staff Analysis

- 1) At the recommended level of loan funding, Lake Poinsett Sanitary District will need to increase its rate to nearly \$100.00 per user.

Funding Recommendation: \$8,580,000 Clean Water SRF loan with formal action deferred until the June board meeting. Lake Poinsett must notify Board by June 1, 2016 if it wants the full loan.

Debt Service Coverage: 110% based on a \$55.30 surcharge

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Westport (CW-01)

Total Project Cost: \$617,000
BWNR Funding Assistance Requested: \$617,000
Rate/Term: 3.25%/30 years
Security Pledged For Repayment Of Loan: Project Surcharge

Staff Analysis

- 1) If funding is provided as all loan, the town of Westport would need to establish a monthly surcharge of \$54.80. When added to the town's current flat rate of \$30.00 per month residents would be paying a flat rate of \$84.80.
- 2) Staff analysis indicated that the town of Westport needs \$6.25 per user to cover O&M.

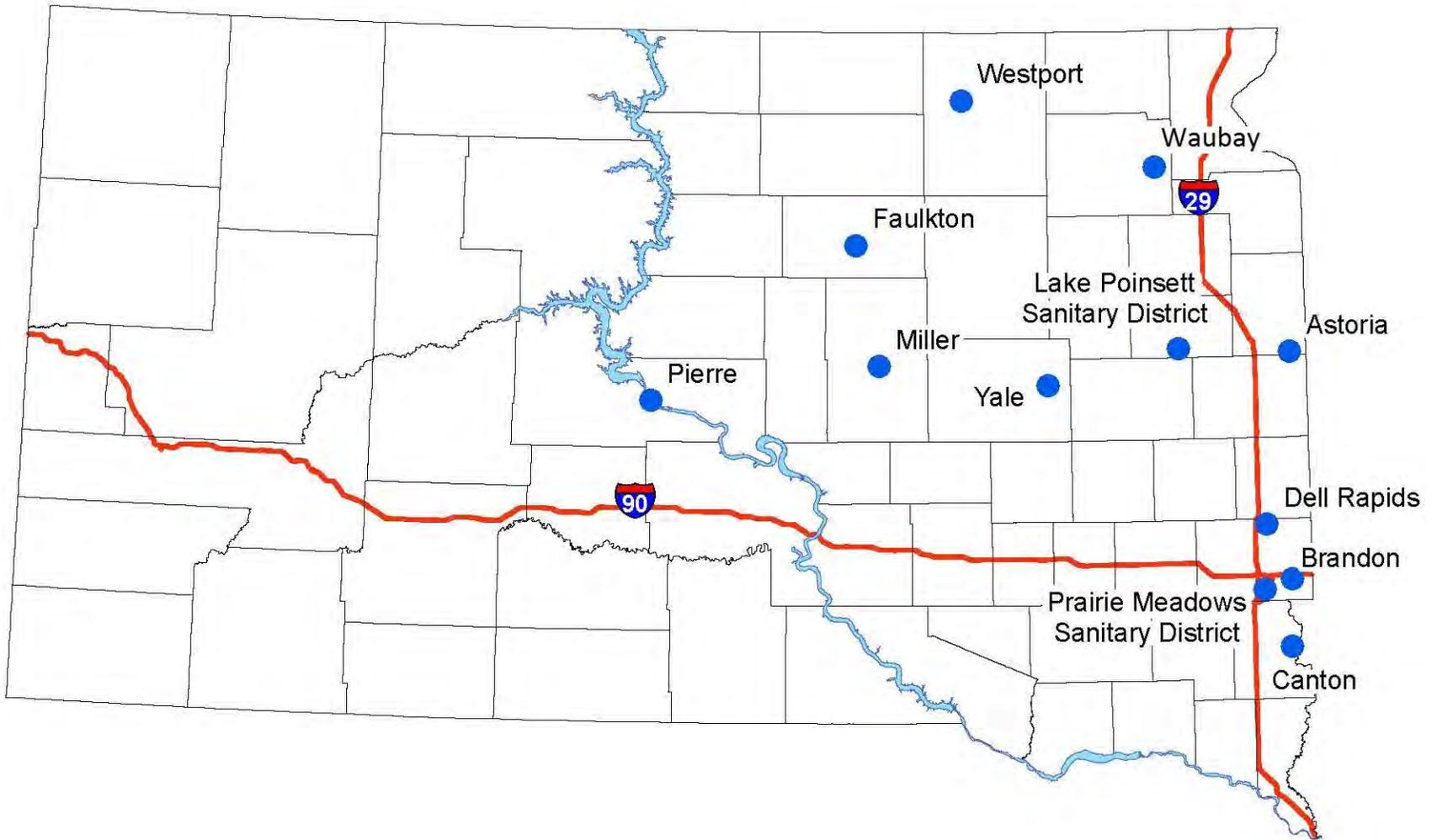
Funding Recommendation: Award a \$445,000 Clean Water SRF loan at 3.25% for 30 years and a \$172,000 Consolidated grant.

Debt Service Coverage: 110% with a \$39.55 wastewater surcharge per user per month. Restructuring rates, Westport could have overall rates of \$45.80.

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Pierre (CW-07)

Total Project Cost:	\$3,821,000
BWNR Funding Assistance Requested:	\$3,821,000
Rate/Term:	3%/20 years
Security Pledged For Repayment Of Loan:	Project Surcharge

Staff Analysis

- 1) If all funding is provided as loan, the city will need a surcharge of approximately \$3.60/account. Pierre's current rate is \$40.84/5,000 gallons. The surcharge will bring the rate to \$44.44/5,000gallons .
- 2) Staff analysis of the financial information provided with the application indicates that Pierre could adjust it current rates to incorporate the surcharge without raising rates.

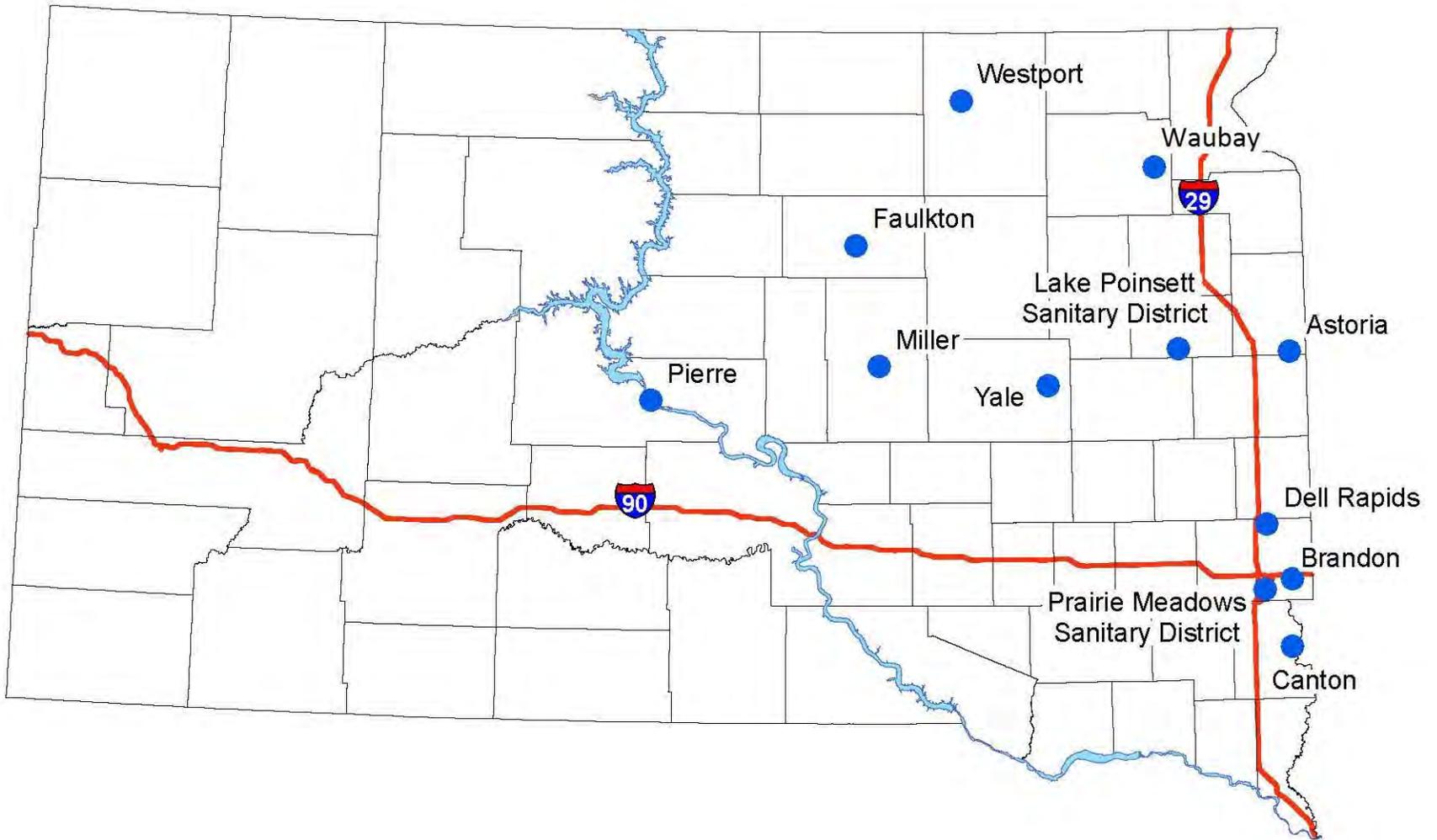
Funding Recommendation: Award a \$3,821,000 CWSRF loan at 3.0% for 20 years.

Debt Service Coverage: 110% based on a surcharge of \$3.60/account.

Contingencies:

- 1) Contingent upon the borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the borrower establishing a surcharge sufficient to provide the required debt coverage.

Sanitary / Storm Sewer Facilities Applications March 2016



SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Miller (CW-01)

Total Project Cost: \$4,541,000

BWNR Funding Assistance Requested: \$4,541,000

Rate/Term: 3.25%/30 years

Security Pledged For Repayment Of Loan: Project Surcharge

Staff Analysis

- 1) If funding is provided as all loan, the city of Miller would need to establish a monthly surcharge of \$26.21. When added to the town's current flat rate of \$31.65 per month residents would be paying a flat rate of \$57.87.
- 2) Staff analysis indicated that the city of Miller needs \$18.00 per user to cover O&M.

Funding Recommendation: Award a \$3,541,000 Clean Water SRF loan at 3.25% for 30 years and a \$1,000,000 Water Quality grant.

Debt Service Coverage: 110% with a \$20.45 wastewater surcharge per user per month. Restructuring rates Miller could have overall rates of \$38.45.

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.

**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Miller (CW-02)

Total Project Cost: \$1,958,000

BWNR Funding Assistance Requested: \$1,958,000

Rate/Term: 3.25%/30 years

Security Pledged For Repayment Of Loan: Project Surcharge from storm water fees

Staff Analysis

- 1) If funding is provided as all loan, the city of Miller would need to establish an annual stormwater surcharge fee at \$0.0069 per square foot. Currently, the city of Miller has not established a stormwater fee.
- 2) Staff analysis indicated that a resident with 9,000 square foot lot would have an annual payment of \$62.10 or \$5.18 per month.

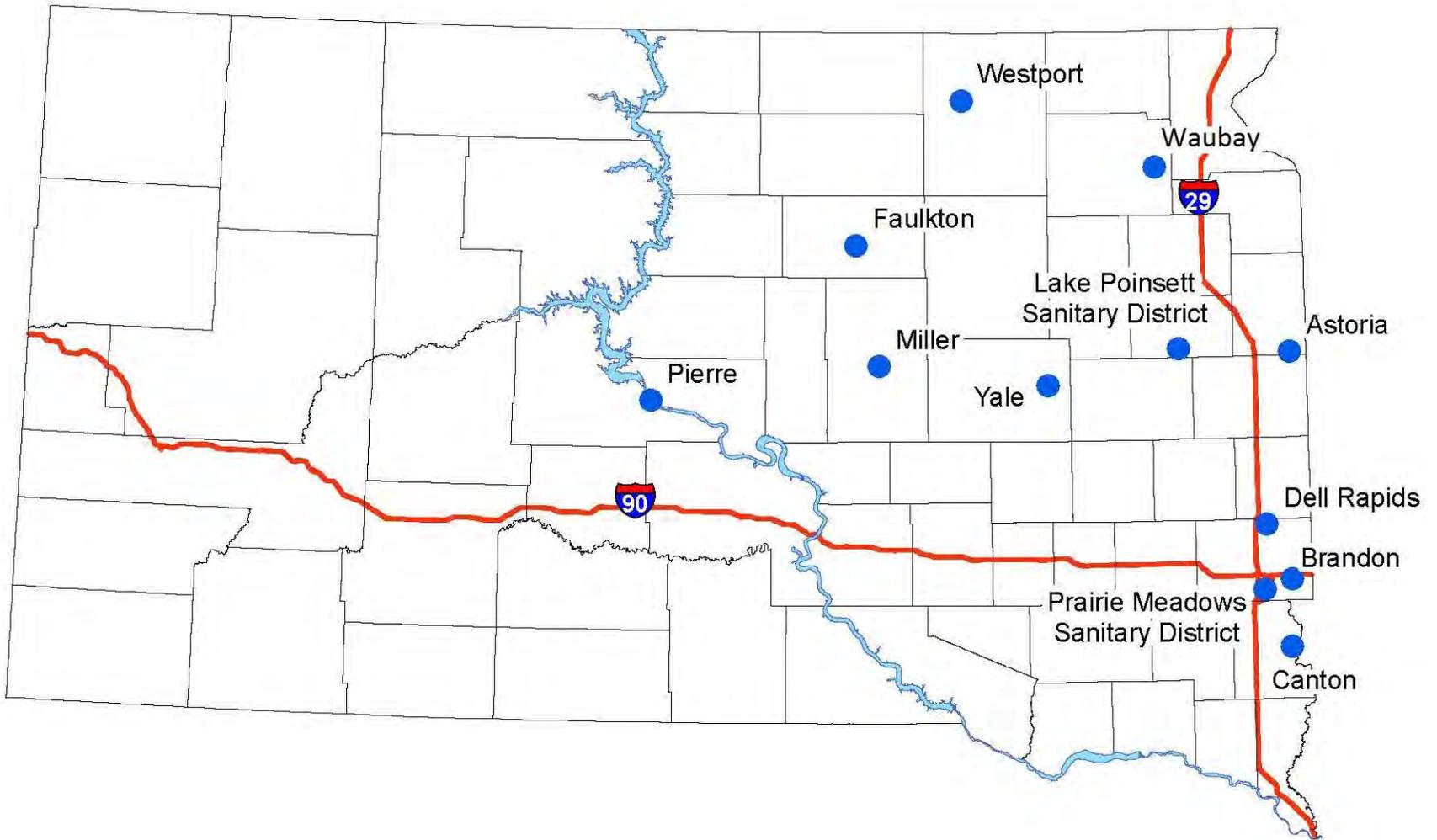
Funding Recommendation: Award a \$1,958,000 Clean Water SRF loan at 3.25% for 30 years.

Debt Service Coverage: 110% with an annual \$0.0069 per square foot stormwater surcharge fee.

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.

Sanitary / Storm Sewer Facilities Applications March 2016



SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Astoria (CW-01)

Total Project Cost: \$744,400

BWNR Funding Assistance Requested: \$744,400

Rate/Term: 3.25%/30 years

Security Pledged For Repayment Of Loan: Project Surcharge

Staff Analysis

- 1) If all funding is provided as loan, Astoria would have to establish a surcharge of \$53.50/month. Astoria's current rate is \$22/month.
- 2) Based on limited financial information, it appears that a base rate of \$10 will cover O&M costs. With the recommended funding level, Astoria's rates should not exceed \$37/month.

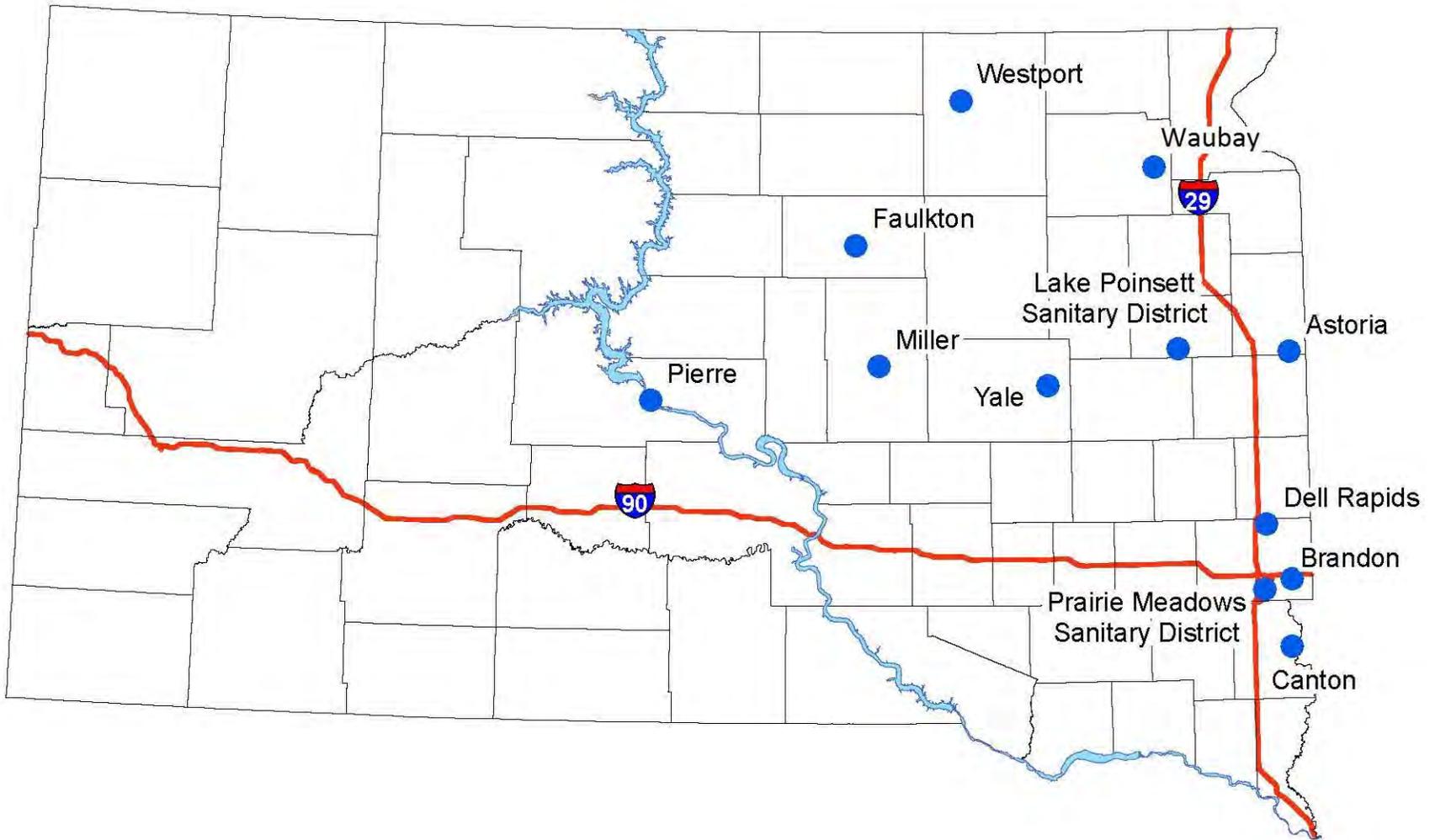
Funding Recommendation: Rescind Resolution #2013-05 and award a \$744,000 CWSRF loan at 3.25% for 30 years with up to 49.6% principal forgiveness not to exceed \$368,700.

Debt Service Coverage: 110% based on a \$26.90 surcharge.

Contingencies:

- 1) Contingent upon the borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the borrower establishing a surcharge at a level sufficient to provide the required debt coverage.
- 3) Contingent upon receipt of the 2016 Clean Water State Revolving Fund capitalization grant from EPA.

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Brandon (CW-06)

Total Project Cost:	\$2,598,400
BWNR Funding Assistance Requested:	\$2,598,400
Rate/Term:	3%/20 Years
Security Pledged For Repayment Of Loan:	Project Surcharge

Staff Analysis

- 1) If all funding is provided as loan, Brandon will have to enact a surcharge of \$4.95/account/month. Brandon's current rate is \$51.50/5,000 gallons.
- 2) Staff analysis of the financial information provided with the application indicates that Brandon needs rates of approximately \$46.10/month to cover O&M and existing debt.
- 3) Staff analysis indicates that based on the funding recommendation Brandon could adjust its current rate to incorporate the required surcharge without raising rates.

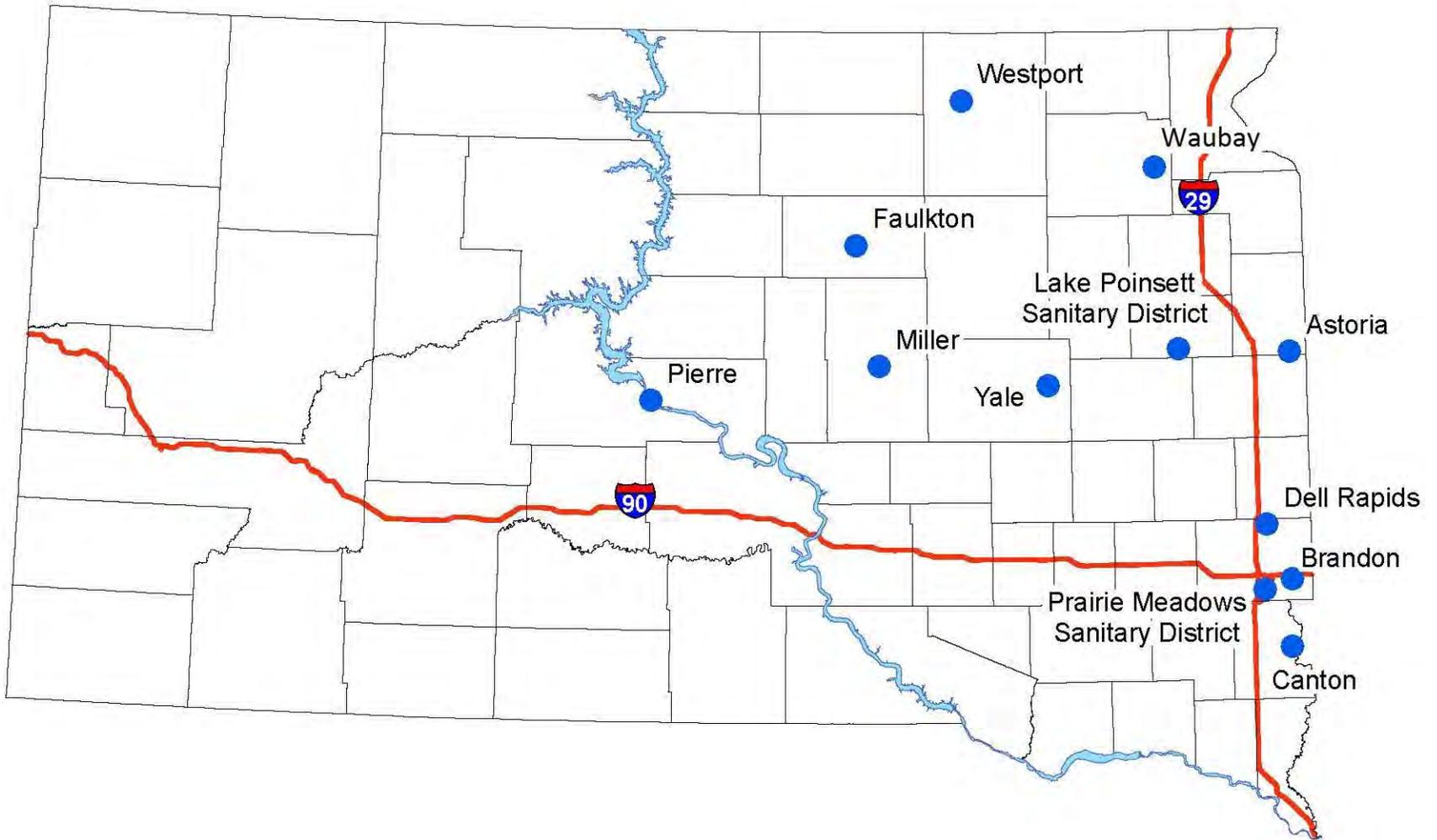
Funding Recommendation: Award a \$2,598,000 CWSRF loan at 3.0% for 20 years.

Debt Service Coverage: 110% based on a surcharge of \$4.95/account.

Contingencies:

- 1) Contingent upon the borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the borrower establishing a surcharge at a level sufficient to provide the required debt coverage.

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Canton CW-05

Total Project Cost:	\$1,848,000
BWNR Funding Assistance Requested:	\$1,648,000
Rate/Term:	3.25%/30
Security Pledged For Repayment Of Loan:	System Revenue

Staff Analysis

- 1) If all funding is provided as loan, the city would have 119% coverage based on the current rate of \$39.30 for 5,000 gallons usage.

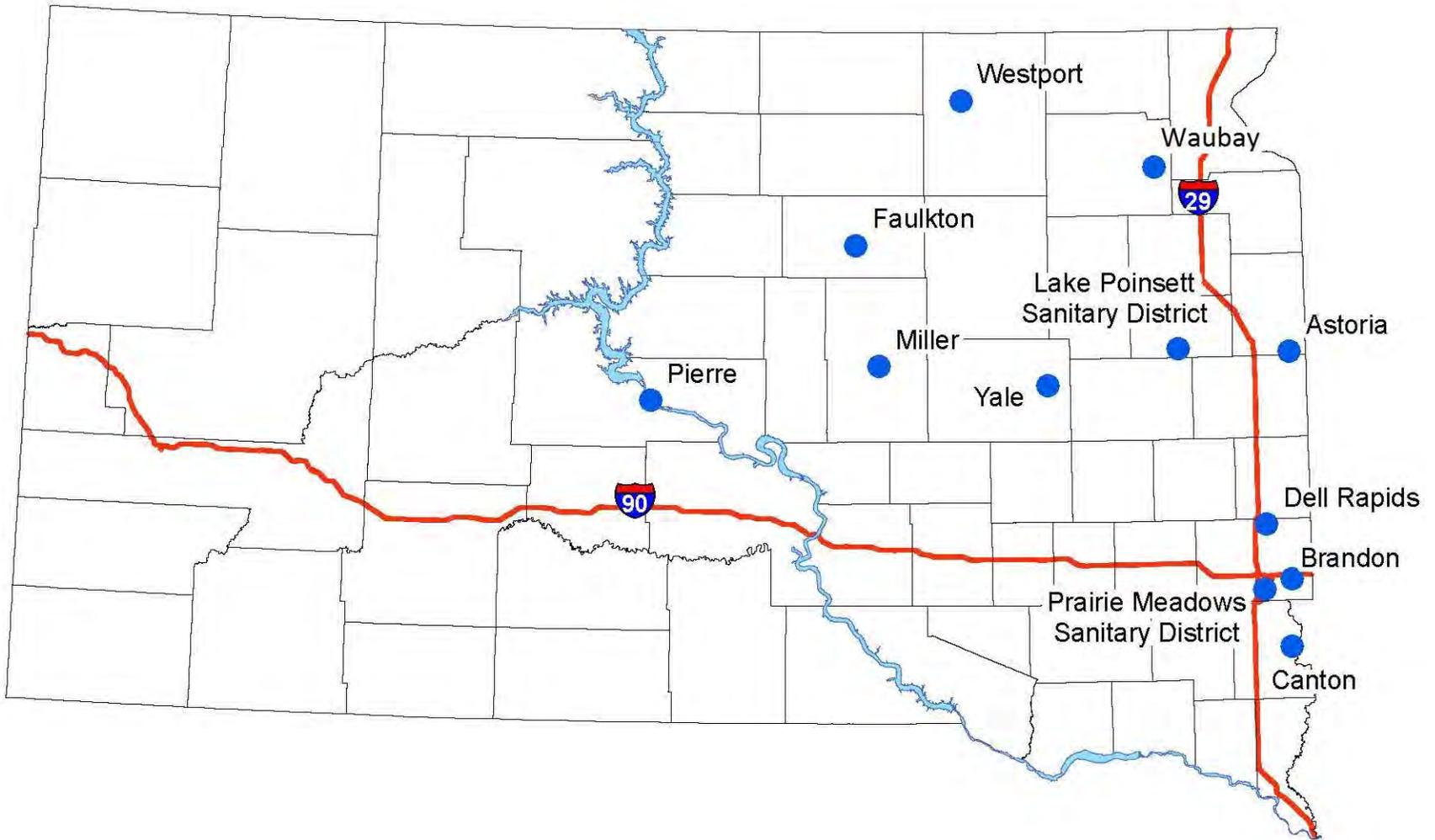
Funding Recommendation: Award a \$1,648,000 CWSRF loan at 3.25% for 30 years.

Debt Service Coverage: 119% based on current system revenue

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Dell Rapids (CW-08)

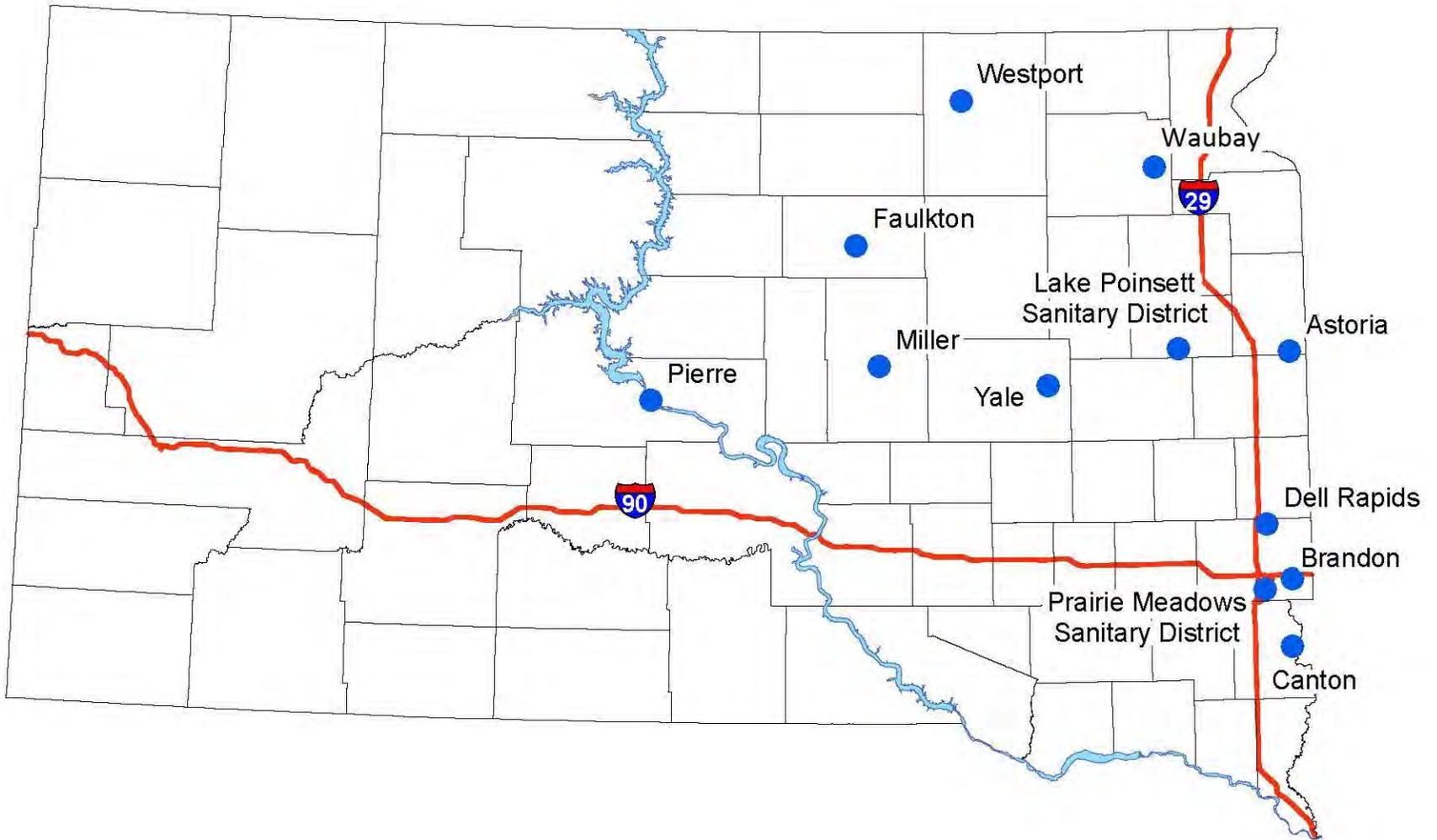
Total Project Cost:	\$1,037,000
BWNR Funding Assistance Requested:	\$1,037,000
Rate/Term:	3.25%/30 years
Security Pledged For Repayment Of Loan:	System Revenue

Staff Analysis

- 1) Dell Rapids just raised its rate to \$43.64/5,000 gallons. If funding is provided as all loan the estimated revenue generated by this recent rate increase will provide a debt coverage ratio of 126%.
- 2) Dell Rapids has a second application pending. If that funding is provided as all loan, Dell Rapids will have to enact a surcharge of \$20.70 which would bring the rate to \$64.34/5,000 gallons. However if funding is provided as recommended a surcharge of \$8.60 will be required which will bring rates to \$52.24.
- 3) Dell Rapids will require subsidy for the two funding applications to keep rates at or below \$55/5,000 gallons.

Funding Recommendation: Award a Consolidated grant for \$619,000 and a Build America Bond grant for \$418,000.

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Faulkton CW-02

Total Project Cost:	\$5,151,000
BWNR Funding Assistance Requested:	\$2,000,000
Rate/Term:	3.25%/30 years
Security Pledged For Repayment Of Loan:	Project Surcharge

Staff Analysis

- 1) If \$ 2,000,000 requested is provided as all loan, the city will have to establish a surcharge of approximately \$22.85 per month.
- 2) Faulkton is also applying for funding from USDA Rural Development. If the remaining funding of \$4,651,000 is all funded as loan, Faulkton would need to establish a rate increase of \$44.55 per month. When added to their base rate of \$26.20, this brings the monthly charge to \$70.75.

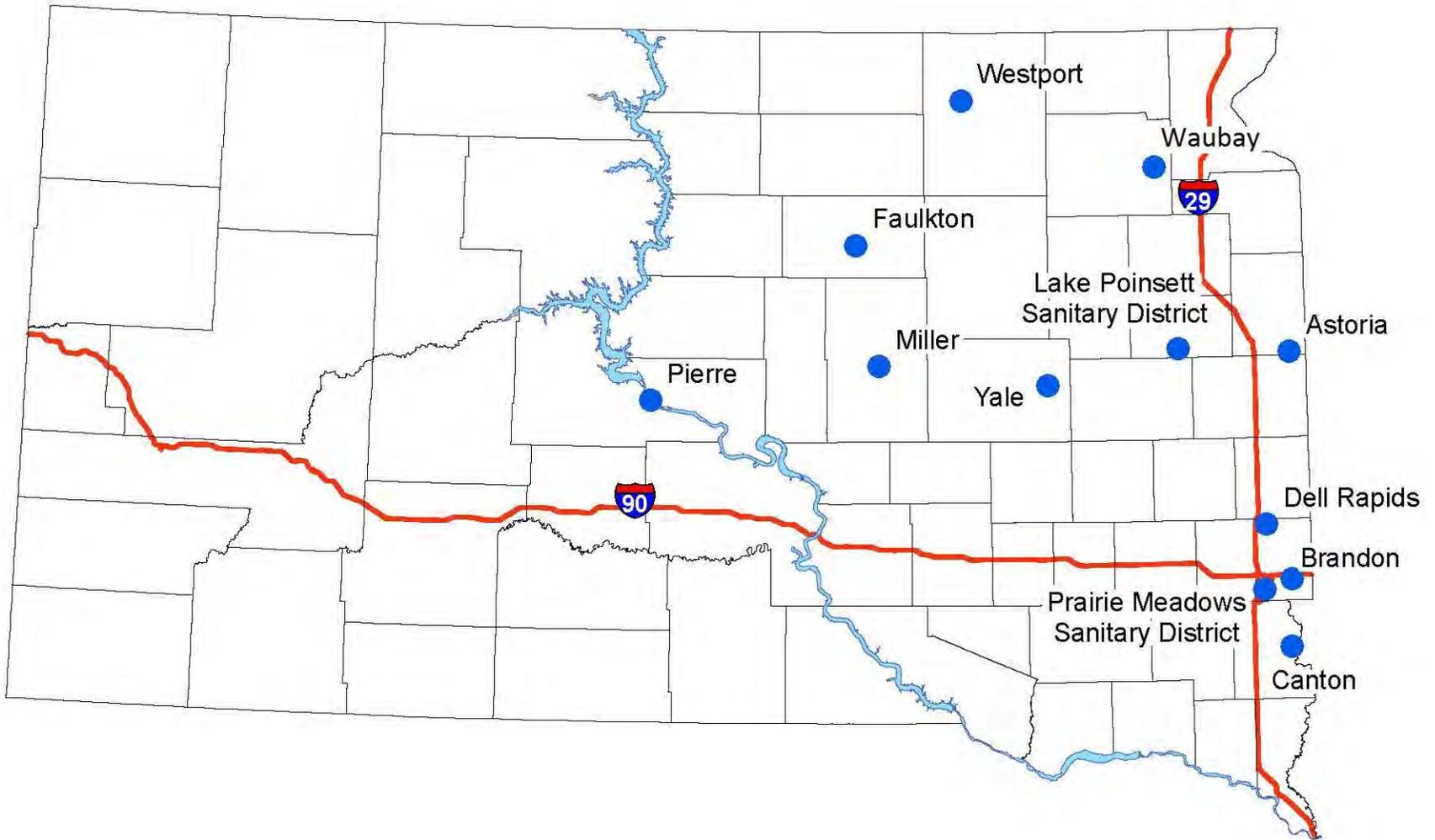
Funding Recommendation: Award a \$500,000 Build America Bond grant

Debt Service Coverage: N/A

Contingencies:

- 1) Contingent upon the recipient establishing the minimum rate required to receive grant assistance.

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Prairie Meadows San. Dist. (CW-01)

Total Project Cost: \$1,388,000

BWNR Funding Assistance Requested: \$1,388,000

Rate/Term: 3.25%/30 years

Security Pledged For Repayment Of Loan: System Revenue

Staff Analysis

- 1) If all funding is provided as loan, Prairie Meadows would need a monthly sewer fee of at least \$88 just for the debt. Prairie Meadows current rate is \$100 per month bringing rates to \$188 per month.
- 2) At the recommended level of loan funding, the required debt service would be \$40 per month per user, which would bring the rates in Prairie Meadows to \$140 per month.
- 3) If Prairie Meadows system is taken over by the city of Sioux Falls, they will be paying the city approximately \$35 per month for service, resulting in minimum rates of \$75 per month.

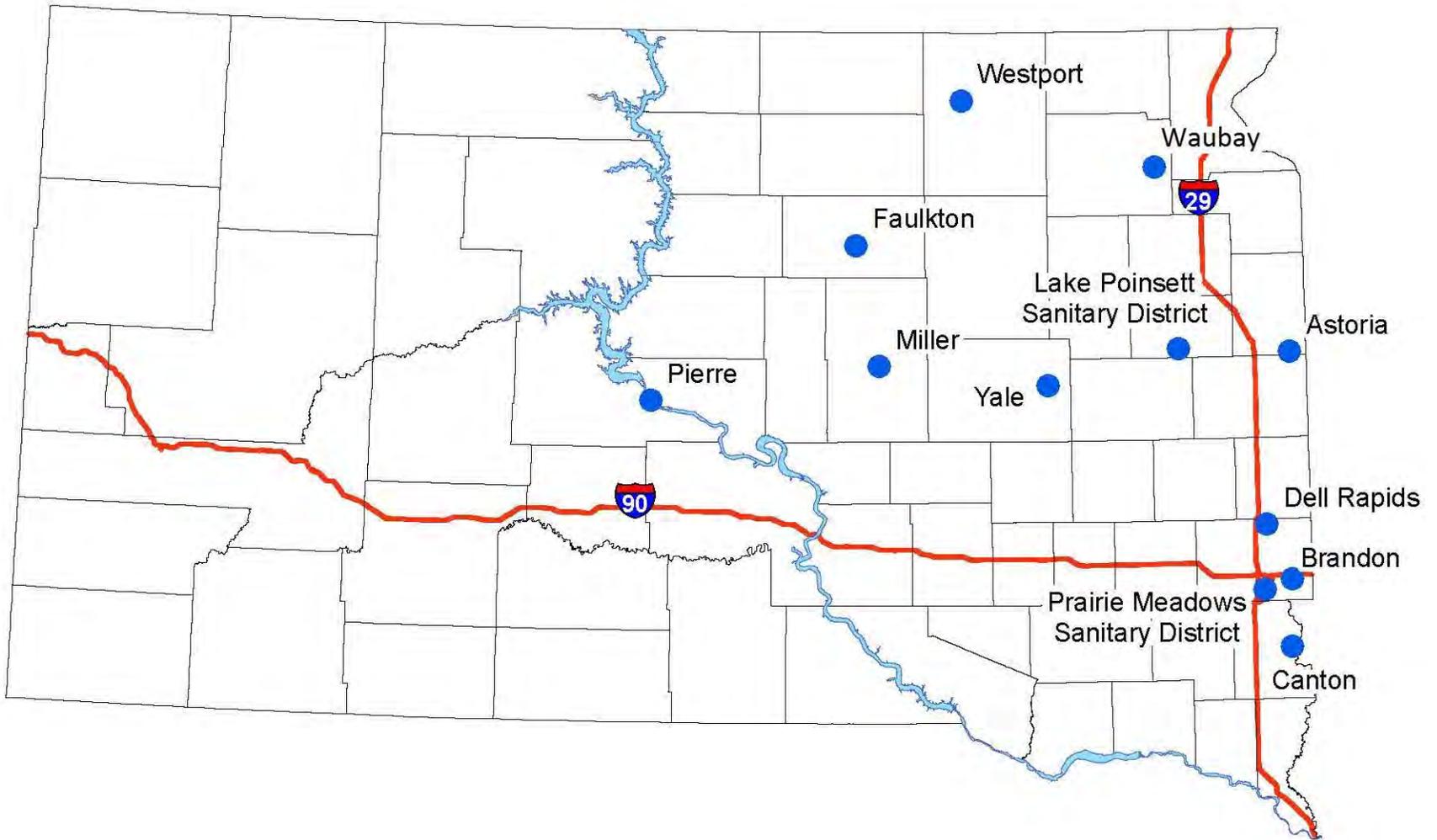
Funding Recommendation: Rescind Resolution #2013-46 and award a \$588,000 CWSRF loan at 3.25% for 30 years and a Consolidated grant for \$800,000.

Debt Service Coverage: 192% based on current rates and assimilation into the Sioux Falls system **OR** 110% based on a 40% increase in monthly rate to \$140 per month.

Contingencies:

- 1) Contingent upon the borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the borrower establishing rates at a level sufficient to provide the required debt coverage.

Sanitary / Storm Sewer Facilities Applications March 2016



**SANITARY/STORM SEWER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Yale (CW-02)

Total Project Cost: \$443,569
BWNR Funding Assistance Requested: \$327,000
Rate/Term: 3.25%/30 Years
Security Pledged For Repayment Of Loan: Project Surcharge

Staff Analysis

- 1) If all funding is provided as loan Yale will have to enact a surcharge of \$29.25/account. When added to the current flat rate of \$40/month the new rate would be \$69.25/month.
- 2) Based on funding recommendation, Yale will need a surcharge of \$7.50 which will increase rates to \$47.50/month.

Funding Recommendation: Award a \$84,000 CWSRF loan at 3.25% for 30 years and a Water Quality grant for \$243,000.

Debt Service Coverage: 110% based on a surcharge of \$7.50

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Midland (DW-01)

Total Project Cost: \$715,000
BWNR Funding Assistance Requested: \$715,000
Rate/Term: 2.25%/30 years
Security Pledged For Repayment Of Loan: Project Surcharge

Staff Analysis

- 1) If funding is provided as all loan, Midland will have to establish a surcharge of \$30.25. When added to the current rate of \$25 per 5,000 gallons the new rate would be \$55.25 per 5,000 gallons.
- 2) Midland's projected O&M costs require approximately \$34 per month per account. Therefore current rates need to be raised approximately \$9 per account to cover O&M. With no subsidy rates will be approximately \$64.25 per 5,000 gallons.
- 3) Midland is also applying to the Community Development Block Grant program for additional grant funding on the project. If no additional grant funds are received and the remaining funding is provided as a \$440,000 Drinking Water SRF loan, the town will have to establish a surcharge of \$18.55 per account. This would result in total rates of \$52.55 per 5,000 gallons.

Funding Recommendation: Award a Consolidated grant for \$275,000 and defer action on any Drinking Water SRF funding.

Debt Service Coverage: N/A with this recommendation.

Special Condition:

- 1) Contingent upon the recipient establishing the minimum rate required to receive grant assistance.
- 2) If a Community Development Block Grant is awarded to Midland for this project, the Consolidated Water Facilities Construction Program grant will be reduced such that the total amount of the Community Development Block Grant and the Consolidated Water Facilities Construction Program grant will not exceed 60 percent of the total eligible project cost. If the Community Development Block Grant equals or exceeds \$429,000, the Consolidated Water Facilities Construction Program grant will be rescinded.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Perkins County Rural Water System, Inc. (DW-02)
Total Project Cost: \$1,722,000
BWNR Funding Assistance Requested: \$1,722,000
Rate/Term: 2.25%/30 years
Security Pledged For Repayment Of Loan: System Revenue

Staff Analysis

- 1) In 2020, Perkins County RWS has a State Water Resources Management System loan that goes from interest only payments to principal and interest payments. Staff analysis is based on annual rate increases of 3.25%, which results in rates of \$122.77 per 7,000 gallons in 2020.
- 2) If funding is provided as all loan, Perkins County RWS would have 99% coverage in 2020 based on rates of \$122.77 per 7,000 gallons.
- 3) Perkins County RWS purchases its water from Southwest Water Authority. In 2016, the price of water purchased by Perkins County RWS increased by 11% or \$0.31 per 1,000 gallons. The current price is \$3.11 per 1,000 gallons.

Funding Recommendation: Award a \$1,722,000 Drinking Water SRF loan at 2.25% for 30 years with 60% as principal forgiveness not to exceed \$1,033,200.

Debt Service Coverage: 116% with current rates of \$108.03 per 7,000 gallons.

Contingencies:

- 1) Contingent upon Borrower adopting a resolution approving the form of the loan agreement, the promissory note, and the pledge of revenues for repayment of the loan.
- 2) Contingent upon Borrower approving a security agreement and mortgage.
- 3) Contingent upon a Intercreditor Agreement being approved and executed by Dacotah Bank, Perkins County Rural Water System and the District.
- 4) Principal Forgiveness is contingent upon receipt of the 2016 Drinking Water State Revolving Fund capitalization grant from EPA.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Conde DW-01

Total Project Cost: \$2,795,000
BWNR Funding Assistance Requested: \$2,795,000
Rate/Term: 2.25%/ 30 years
Security Pledged For Repayment Of Loan: Project Surcharge

Staff Analysis

- 1) If funding is provided as all loan, the city will have to establish a surcharge of approximately \$113.15 per month.
- 2) Funding the entire project is not a viable option and to reduce the funding necessary for this project the looping portion of the watermain work was eliminated from the project, this would lower the total cost to \$2,333,000
- 3) At the reduced cost, if funding is provided as all loan, the town will have to establish a surcharge of approximately \$94.45 per month.
- 4) At the recommended level of loan funding, the town of Conde will need to establish a surcharge of \$20.25/user. This brings total rates to \$50.75 per 5,000 gallons usage.

Funding Recommendation: Award a \$2,333,000 Drinking Water SRF loan at 2.25% for 30 years with 78.6% as principal forgiveness not to exceed \$1,833,000

Debt Service Coverage: 110% based on a \$20.25 surcharge.

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.
- 3) Contingent upon receipt of the 2016 Drinking Water State Revolving fund capitalization grant from EPA.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Colman DW-04

Total Project Cost:	\$1,200,000
BWNR Funding Assistance Requested:	\$1,200,000
Rate/Term:	3.0%/30 years
Security Pledged For Repayment Of Loan:	Project Surcharge

Staff Analysis

- 1) If funding is provided as all loan, the city will have to establish a surcharge of approximately \$18.60 per month. Current rates are \$42.42 per month for 5,000 gallons usage.
- 2) At the recommended level of loan funding, Colman will need to establish a surcharge of \$7.75, which would bring the overall rates in Colman to \$50.17.

Funding Recommendation: Award a \$500,000 Drinking Water SRF loan at 3.0% for 30 years and a \$700,000 Consolidated grant.

Debt Service Coverage: 110% based on a surcharge of \$7.75

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Wakonda (DW-01)

Total Project Cost: \$2,836,710
BWNR Funding Assistance Requested: \$2,836,710
Rate/Term: 3.0%/30 years
Security Pledged For Repayment Of Loan: Project Surcharge

Staff Analysis

- 1) If all funding is provided as loan, Wakonda will have to establish a surcharge of \$81 per month. Wakonda's current rate is \$38.25 per 5,000 gallons which would bring the rate to \$119.25.
- 2) Based on the cash flow projections, Wakonda's O&M costs will exceed the revenue received at its current rate structure. Wakonda needs to increase its existing rate by \$3.00 to cover O&M. This would bring their rate to approximately \$41.25 per month.
- 3) Funding the entire project is not a viable option and to reduce the scope of the project the well abandonment, watermain looping and, replacement of small diameter lines was eliminated from the project, this would lower the total cost to \$1,930,000.
- 4) At the recommended level of loan funding, the Wakonda will need to establish a surcharge of \$12.30 per user. This brings total rates to \$53.55 per 5,000 gallons usage.

Funding Recommendation: Award a \$1,378,000 Drinking Water SRF loan at 3.00 % for 30 years with up to 68.8% principal forgiveness not to exceed \$948,000 and a Consolidated grant for \$552,000.

Debt Service Coverage: 110% based on a surcharge of \$12.30

Contingencies:

- 1) Contingent upon the Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the Borrower establishing a surcharge at a level sufficient to provide the required coverage.
- 3) Contingent upon receipt of the 2016 Drinking Water State Revolving Fund capitalization grant from EPA.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Britton DW-02

Total Project Cost:	\$4,656,000
BWNR Funding Assistance Requested:	\$4,656,000
Rate/Term:	3.0%/30 years
Security Pledged For Repayment Of Loan:	Project Surcharge

Staff Analysis

- 1) If funding is provided as all loan, the city will have to establish a surcharge of approximately \$29.67 per month. When added to current rates of \$31.25 for 5,000 gallons plus a \$3.25 surcharge for an existing loan, rates would be \$64.17 for 5,000 gallons
- 2) At the recommended funding the city of Britton will need to establish a surcharge of \$21.85/user/month. This will bring total rates to \$53.10 for 5,000 gallons.

Funding Recommendation: \$3,212,000 Drinking Water SRF loan at 3.00% for 30 years and \$1,444,000 Consolidated grant.

Debt Service Coverage: 110% based on a \$21.85 surcharge

Contingencies:

- 1) Contingent upon the Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon the Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Brookings Deuel Rural Water System DW-03

Total Project Cost: \$250,000

BWNR Funding Assistance Requested: \$250,000

Rate/Term: 2.25% /10 years

Security Pledged For Repayment Of Loan: System Revenue

Staff Analysis

- 1) If all funding is provided as loan, the Brooking-Deuel RWS would have 1,400% coverage based on the current rate of \$55.40 for 7,000 gallons usage.

Funding Recommendation: Award a \$250,000 Drinking Water SRF loan at 2.25% for 10 years.

Debt Service Coverage: 1,400% based on current system revenue

Contingencies:

- 1) Contingent upon the borrower adopting a resolution approving the form of the loan agreement, the promissory note, and the pledge of revenues for repayment of the loan.
- 2) Contingent upon the borrower approving a security agreement and mortgage
- 3) Contingent upon a Intercreditor Agreement being approved and executed by CoBank, Rural Utilities Service, First Bank and Trust, Brookings-Deuel Rural Water System and the District.

Drinking Water Facilities Funding Applications March 2016



**DRINKING WATER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Chancellor (CW-02)
Total Project Cost: \$180,415
BWNR Funding Assistance Requested: \$180,415
Rate/Term: 2.25%/10 years
Security Pledged For Repayment Of Loan: Project Surcharge - Drinking Water

Staff Analysis

- 1) Water conservation projects, to include water meters, are eligible for Clean Water SRF funding for Green projects. Since staff has not identified any other wastewater or storm water "green" projects, funding this project with Clean Water SRF funds helps us meet the Green Project Reserve requirements on the 2015 Clean Water Capitalization Grant.
- 2) If funding is provided as all loan, the town of Chancellor would have to establish a surcharge of \$15.30. When added to the current rate of \$37.00 per 5,000 gallons, residents would be paying \$52.30 per 5,000 gallons.
- 3) At the recommended loan amount the town of Chancellor will have overall rates of \$44.70 per 5,000 gallons.

Funding Recommendation: Award a \$180,000 Clean Water SRF loan at 2.25% for 10 years with 50% as principal forgiveness not to exceed \$90,000.

Debt Service Coverage: 110% with a drinking water surcharge of \$7.70 per user per month.

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.
- 3) Contingent upon receipt of the 2016 Clean Water State Revolving Fund capitalization grant from EPA.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Canton DW-03

Total Project Cost: \$960,000
BWNR Funding Assistance Requested: \$760,000
Rate/Term: 3.0%/30 years
Security Pledged For Repayment Of Loan: Project Surcharge

Staff Analysis

- 1) If funding is provided as all loan, the city will have to establish a surcharge of approximately \$2.65 per month.
- 2) The city of Canton will need to establish a surcharge of \$5.45/user/month prior to closing the previously awarded DW-02 loan. This will bring rates to \$36.65 for 5,000 gallons.
- 3) The city will need to establish each surcharge prior to closing each loan. When both loans are closed this will bring total rates to \$39.30 for 5,000 gallons usage.

Funding Recommendation: Award a \$760,000 Drinking Water SRF loan at 3.00% for 30 years.

Debt Service Coverage: 110% based on a \$2.65 surcharge

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon Borrower establishing a surcharge at a level sufficient to provide the required debt coverage

Drinking Water Facilities Funding Applications March 2016



**DRINKING WATER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Dell Rapids (DW-06)

Total Project Cost:	\$705,000
BWNR Funding Assistance Requested:	\$705,000
Rate/Term:	3.25%/30 years
Security Pledged For Repayment Of Loan:	System Revenue

Staff Analysis

- 1) If all funding is provided as loan, the city would have 84% coverage based on the current rate of \$34.85 for 5,000 gallons usage.
- 2) At the recommended level of loan funding Dell Rapids will have to raise its rate approximately \$2.25. When added to the current rate of \$31.85/month the new rate will be \$34.10/5,000 gallons. Dell Rapids also has a surcharge of \$3/month bringing the total rate to \$37.10/5,000 gallons.

Funding Recommendation: Award a \$705,000 Drinking Water SRF loan at 3.25% for 30 years.

Debt Service Coverage: 110% with an increase of \$2.25 in the rates.

Contingencies:

- 1) Contingent upon the Borrower adopting a bond resolution and the resolution becoming effective
- 2) Contingent upon the Borrower establishing rates at a level sufficient to provide the required coverage.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Miller (DW-02)

Total Project Cost: \$2,200,000

BWNR Funding Assistance Requested: \$2,199,000

Rate/Term: 3.00%/30 years

Security Pledged For Repayment Of Loan: Project Surcharge

Staff Analysis

- 1) If funding is provided as all loan, the city of Miller would have to establish a surcharge of \$12.30. When added to the current rate of \$50.00 per 5,000 gallons, residents would be paying \$62.30 per 5,000 gallons.
- 2) Staff has determined \$87,000 of the total project cost to resurface an alley where a water main break occurred in 2010 is an ineligible cost. The approved total project cost and award is reduced to \$2,112,000.
- 3) Staff has determined that \$5.00 is available for debt service in Miller's current rates and a \$8.00 surcharge is needed at the recommend loan amount. By restructuring the current rates, Miller's overall rates would be \$53.00 per 5,000 gallons per month.

Funding Recommendation: Award a \$2,112,000 Drinking Water SRF loan at 3.00% for 30 years with 32.8% as principal forgiveness not to exceed \$692,000.

Debt Service Coverage: 110% with a surcharge of \$8.00 per user per month.

Contingencies:

- 1) Contingent upon Borrower adopting a bond resolution and the resolution becoming effective.
- 2) Contingent upon Borrower establishing a surcharge at a level sufficient to provide the required debt coverage.
- 3) Contingent upon receipt of the 2016 Drinking Water State Revolving Fund capitalization grant from EPA.

Drinking Water Facilities Funding Applications March 2016



DRINKING WATER FACILITIES FUNDING APPLICATION FINANCIAL ANALYSIS SUMMARY

APPLICANT: Kingbrook Rural Water System (DW-06)
Total Project Cost: \$9,550,400
BWNR Funding Assistance Requested: \$9,000,400
Rate/Term: 3.00%/20 years
Security Pledged For Repayment Of Loan: System Revenue

Staff Analysis

- 1) If funding is provided as all loan, Kingbrook Rural Water System would have 81% debt coverage based on current rates of \$56.55 per 7,000 gallons.
- 2) Staff analysis indicates 2016 revenues will need to be increased by 11.8 percent to provide the required coverage when the loan goes into repayment. Applying this percentage to both the base and usage rate, the domestic rate would increase to \$63.25 for 7,000 gallons.

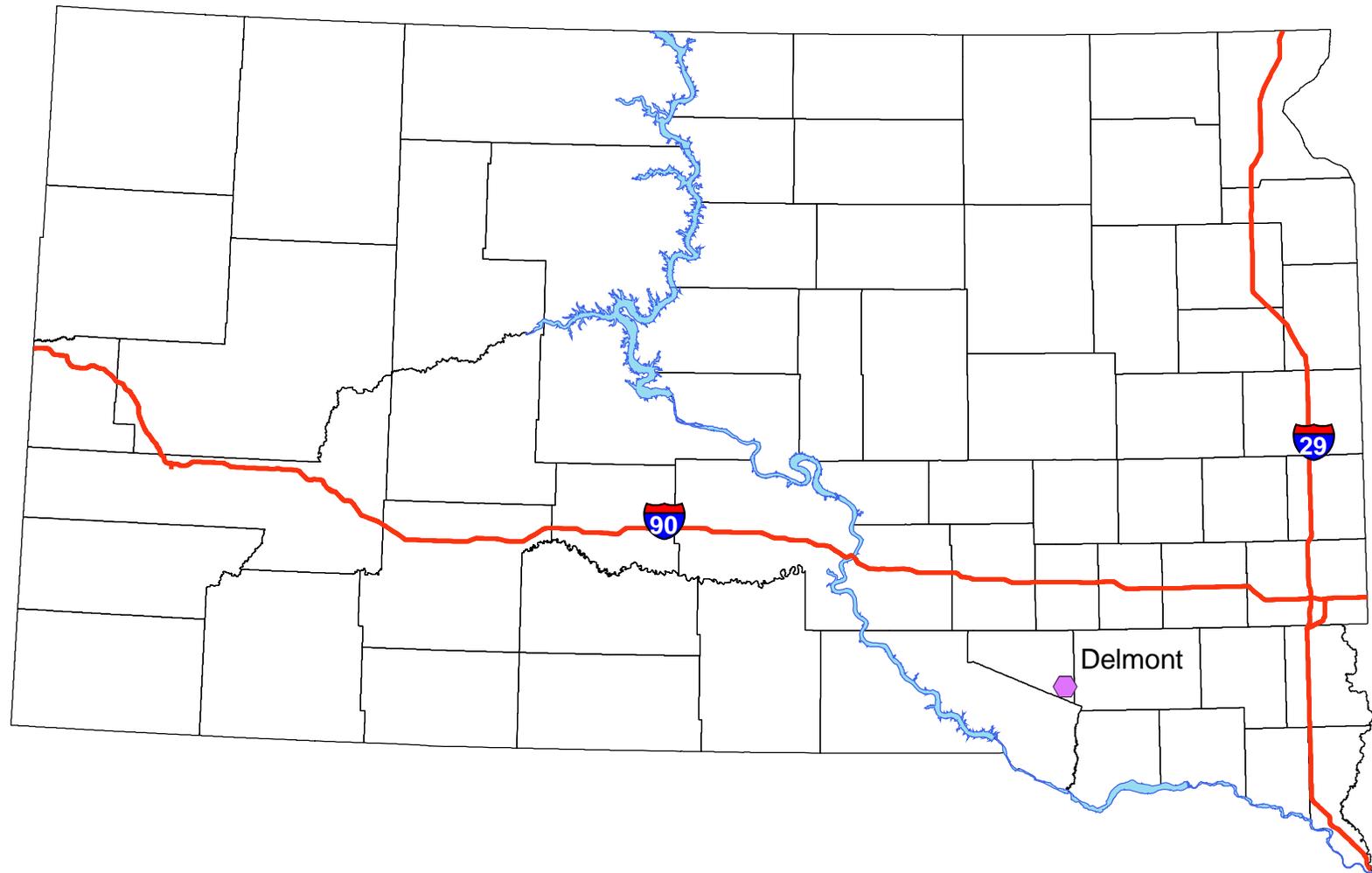
Funding Recommendation: Award a \$9,000,000 Drinking Water SRF loan at 3.00% for 20 years.

Debt Service Coverage: 110% with 11.8 percent increase in system revenue.

Contingencies:

- 1) Contingent upon Borrower adopting a resolution approving the form of the loan agreement, the promissory note, and the pledge of revenues for repayment of the loan.
- 2) Contingent upon Borrower establishing rates at a level sufficient to provide the required debt coverage.
- 3) Contingent upon Borrower approving a security agreement and mortgage.
- 4) Contingent upon a Intercreditor Agreement being approved and executed by Rural Utilities Service, CoBank, Kingbrook Rural Water System and the District.

Small Water Facilities Funding Applications March 2016



**SMALL WATER FACILITIES FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Delmont

Total Project Cost:	\$138,000
BWNR Funding Assistance Requested:	\$138,000
Rate/Term:	3.25%/30 years
Security Pledged For Repayment Of Loan:	Project Surcharge

Staff Analysis

- 1) On June 26, 2008, the city of Delmont was awarded a \$185,000 Drinking Water State Revolving Fund loan (DW-01) and \$158,460 was disbursed to complete its drinking water project. On May 10, 2015, a tornado struck Delmont damaging or destroying more than 40 homes and businesses.
- 2) The city of Delmont requested funding to refinance the current balance on DW-01. Pursuant to SDCL 46A-1-61, a grant from the Water and Environment Fund cannot exceed 80 percent of the nonfederal share of expenditures based on the original project cost.

Funding Recommendation: Award a \$126,768 Consolidated grant.

March 2016 Available Funds Summary

CONSOLIDATED WATER FACILITIES CONSTRUCTION PROGRAM

Available Prior Year Funds (8-Jan-2016):	\$	203,507
2016 Omnibus Appropriation:	\$	5,250,000
Reversions:	\$	1,566,399
Available for Award:	\$	7,019,906
Recommended:	\$	(6,228,768)
Balance:	\$	791,138

DRINKING WATER FACILITY GRANTS

BUILD AMERICA BONDS (BABs) FEDERAL SUBSIDY PAYMENTS

2016 Omnibus Appropriation:	\$	1,250,000
Reversions:	\$	-
Available for Award:	\$	1,250,000
Recommended:	\$	(1,250,000)
Balance:	\$	-

DRINKING WATER SRF PRINCIPAL FORGIVENESS

Prior Year Principal Forgiveness Allocations:	\$	33,499,400
FFY-16 Maximum Allocation:	\$	1,662,400
Reverted Principal Forgiveness:	\$	-
Awarded to Date:	\$	(33,149,190)
Available For Award:	\$	2,012,610
Princ. Forg. for Disadvantaged Communities:	\$	2,493,600
Total Available for Award:	\$	4,506,210
Recommended:	\$	(4,506,200)
Balance:	\$	10

DRINKING WATER SRF LOANS

Available Prior Year Funds (30-Sept-2015):	\$	24,567,413
FFY-16 Cap Grant & Match:	\$	9,400,680
FFY-16 Repayments:	\$	12,000,000
Leveraged Bonds:	\$	-
Deobligations/Recissions:	\$	1,095,000
FFY-16 Awards to Date:	\$	-
Available for Award:	\$	47,063,093
Recommended PF:	\$	(4,506,200)
Recommended Loan:	\$	(17,465,800)
Balance:	\$	25,091,093

March 2016 Available Funds Summary

CLEAN WATER SRF WATER QUALITY GRANTS

Available Prior Year Funds (8-Jan-2016):	\$	136,692
2016 IUP Allocation:	\$	1,300,000
Reversions:	\$	-
SCPG Allotment:	\$	(100,000)
Awarded to Date:	\$	(93,000)
Available for Award:	\$	<u>1,243,692</u>
Recommended:	\$	<u>(1,243,000)</u>
Balance:	\$	692

WASTEWATER FACILITY GRANTS

BUILD AMERICA BONDS (BABs) FEDERAL SUBSIDY PAYMENTS

2016 Omnibus Appropriation:	\$	2,750,000
Reversions:	\$	-
Available for Award:	\$	<u>2,750,000</u>
Recommended:	\$	<u>(2,750,000)</u>
Balance:	\$	-

CLEAN WATER SRF PRINCIPAL FORGIVENESS

Prior Year Principal Forgiveness Allocations:	\$	10,865,099
FFY-16 Maximum Allocation:	\$	2,623,000
Reverted Principal Forgiveness:	\$	200,000
Awarded to Date:	\$	<u>(10,812,085)</u>
Available For Award:	\$	2,876,014
Recommended:	\$	<u>(458,700)</u>
Balance:	\$	2,417,314

CLEAN WATER SRF LOANS

Available Prior Year Funds (30-Sept-2015):	\$	41,401,115
FFY-16 Cap Grant & Match:	\$	7,450,525
FFY-16 Repayments:	\$	15,500,000
Leveraged Bonds:	\$	-
Deobligations/Recissions:	\$	9,766,366
FFY-16 Awards to Date:	\$	<u>-</u>
Available For Award:	\$	74,118,006
Recommended PF:	\$	(458,700)
Recommended Loan:	\$	<u>(17,534,300)</u>
Balance:	\$	56,125,006

March 2016
Dedicated Solid Waste Management Fees

Total Available Dedicated Solid Waste Fees: **\$ 3,644,068**

Solid Waste Management Program (SWMP)

Previous Balance of SWMP Funds:	\$	1,244,068
2016 Omnibus Bill Appropriation:	\$	2,400,000
Reversions:	\$	-
Available for Award:	\$	3,644,068

Regional Landfill Assistance (RLA)

Previous Balance of RLA Funds:	\$	-
Reversions:	\$	-
Available for Award:	\$	-

Solid Waste Management Applications March 2016



**SOLID WASTE MANAGEMENT PROGRAM FUNDING APPLICATION
FINANCIAL ANALYSIS SUMMARY**

APPLICANT: Freeman

Total Project Cost:	\$319,384
BWNR Funding Assistance Requested:	\$191,000
Rate/Term:	n/a
Security Pledged For Repayment Of Loan:	n/a

Staff Analysis

- 1) Freeman is to expand its restricted use site. They have indicated it is not interested in a loan.

Funding Recommendation: Award a Solid Waste Management Program grant for \$100,000.

March 2016 Dedicated Solid Waste Management Fees

Total Available Dedicated Solid Waste Fees:	\$ 3,644,068
Recommended:	\$ (350,000)
Balance:	<u>\$ 3,294,068</u>

Solid Waste Management Program (SWMP)

Previous Balance for SWMP Funds:	\$ 1,244,068
2016 Omnibus Bill Appropriation:	\$ 2,400,000
Reversions:	\$ -
Available for Award:	<u>\$ 3,644,068</u>
Recommended:	\$ (350,000)
Balance:	<u>\$ 3,294,068</u>

Regional Landfill Assistance (RLA)

Previous Balance of RLA Funds:	\$ -
Reversions:	\$ -
Available for Award:	<u>\$ -</u>
Recommended:	\$ -
Balance:	<u>\$ 0</u>

TITLE: Board of Water and Natural Resources SFY 2017 Meeting Schedule

EXPLANATION: Each year the board establishes a tentative meeting schedule for the coming fiscal year. The following dates are suggested for the board's consideration.

September 22-23, 2016
November 9 or 10, 2016
January 5 or 6, 2017
March 30-31, 2017
June 23-24, 2017

RECOMMENDED ACTION: Set tentative SFY 2017 schedule for Board of Water and Natural Resources meetings.

CONTACT: Mike Perkovich
773-4216

Calendar for July 2016–June 2017

July 2016

Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August 2016

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

September 2016

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October 2016

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November 2016

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

December 2016

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

January 2017

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February 2017

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March 2017

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April 2017

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May 2017

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June 2017

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

