DEPARTMENT of AGRICULTURE and NATURAL RESOURCES
221 MALL DRIVE SUITE 201
RAPID CITY SD 57701
danr.sd.gov

February 28, 2025

President Terry Kizer
Town of Buffalo Gap
PO Box 295
Buffalo Gap, SD 57722-0295

RE: Town of Buffalo Gap Public Water System (EPA ID: 0077) Drinking Water SRF Loan Application for the Phase 2 – Cast Iron Pipe and 4-inch distribution line replacement.

Dear President Kizer:

The Department of Agriculture and Natural Resources received a capacity self-assessment associated with the above referenced Drinking Water State Revolving Fund (SRF) loan application for the Town of Buffalo Gap's water system. Based on that self-assessment, the department has conducted an evaluation of the Town of Buffalo Gap's water utility to determine its technical, managerial, and financial capacity. The Safe Drinking Water Act requires this evaluation be completed of all Drinking Water SRF applicants. Loans cannot be made to systems that lack technical, managerial, or financial capacity to operate unless steps are taken to improve operation of the system.

In cooperation with Midwest Assistance Program (MAP), we concur with the attached evaluation suggesting that the Town of Buffalo Gap's water system has the required technical, managerial, and financial capacity. Please refer to the attached letter from MAP that offers the recommendations to continue to improve certain aspects of your system.

The loan application is contingent upon approval by the Board of Water and Natural Resources at the March 2025 meeting. If you have any questions, please feel free to contact me at (605) 394-6745.

Sincerely,

Eric Fuehrer
Engineer III
Drinking Water Program
eric.fuehrer@state.sd.us

Attachments

cc: Holly Briggs, Water Resources Assistance, via email only
Drinking Water Program, Pierre Office, via email only

Midwest Assistance Program
serving rural communities since 1979
RCAP NETWORK MEMBER

February 26, 2025

Mark S. Mayer, P.E.
Drinking Water Program
523 East Capitol
Pierre, SD 57501

RE: Town of Buffalo Gap

Dear Mark,

At the request of DANR, the Midwest Assistance Program (MAP) conducted a review of the Capacity Assessment with the Town of Buffalo Gap. A site visit was conducted and information was collected from Finance Officer Harris. Additional information received from Black Hills Council of Local Governments Executive Director Sietsema, board member Kizer, and Operator Solick. A review of the community's Technical, Managerial, Asset Management Planning and Financial Capacity was completed. The assessment contained areas that needed clarification and questions that were not answered. The following is a summary of the assessment:

TECHNICAL CAPACITY COMMENTS:

- *The system gets all water from a well using the Fall River Aquifer.*
- *A current emergency response plan and source water protection plan does not exist.*
- *All sources are metered, but the system is unaware of how much water they are pumping on an average or peak day and are unable to calculate unaccounted for water.*
- *System is free of water hammer problems.*
- *There is adequate contact time following disinfection and before the first user in the distribution system.*
- *System has an active cross-connection control program.*

MANAGEMENT COMMENT:

- *Certified water operator maintains the system.*
- *There is a clear chain of command and personnel authority is known.*
- *Policies and rules describing customer rights and responsibilities exist.*
- *There are procedures for handling new or terminated employees and for system modifications.*
- *A safety program exists if someone is injured, and staff has been trained to use safety equipment.*
- *Written operating procedures for routine or emergency operations do not exist.*
- *A system for assuring adequate inventory of essential spare parts and back-up equipment exists.*

ASSET MANAGEMENT PLANNING COMMENTS:

- *System does not maintain an asset inventory.*
- *Budget is reviewed annually.*
- *A rate structure has been implemented to ensure financial stability.*

FINANCIAL COMMENTS:

- *Adequate reserve accounts and a capital improvement plan exists.*
- *Rates are reviewed on an annual basis and adjusted as needed.*
- *System employs a standardized accounting system and tracks budget performance.*
- *Cash balance is increasing.*

Identified tasks in which MAP can assist:

- *Operator training*
- *Calculating amount of water being pulled from the well and amount being used in the community*
- *Calculating unaccounted for water percentage*
- *Developing an operations and maintenance manual*

I believe, with proper assistance and training, the Town of Buffalo Gap has the capability to obtain sufficient Technical, Managerial, Asset Management Planning and Financial capabilities to operate and maintain their water system. Operator Solick has agreed to receive MAP assistance in the areas recommended. I have identified areas where improvement can be made. These tasks should be addressed, and once implemented they will foster further stability and continuity for the Town of Buffalo Gap.

If you have any further questions, please feel free to contact me.

Sincerely,

Hope Block
Technical Assistance Provider
Midwest Assistance Program
(605) 277-5413

Town of Buffalo Gap

System Applicant:	Town of Buffalo Gap
Reviewed by:	**Hope Block**
Email:	hblock@map-inc.org

The Technical Portion of your System

	Water Supply and Existing Demands	***Yes***	***No***	***Unknown***	***NA***
1	Do you know how much water you pump on an average day?			X	
	Amount:				
	Changed from Yes to Unknown				
2	Do you know how much water you pump on a peak day?			X	
	Amount:				
	Changed from Yes to Unknown				
3	Do you know the maximum amount of water you can pump from your source?	X			
	Amount: ***47,160 gallons per day***				
	Changed to 47,160 gallons per day				
4	Is your source capacity higher than you peak day demand?			X	
	Percentage higher or lower:				
	Changed from Yes to Unknown				
5	Can you meet peak demand without pumping at peak capacity for extended periods?			X	
	Longest time pumping at peak demand: ***Unknown***				
	Changed from Yes to Unknown and added Unknown				
6	Have you been able to provide adequate volumes of water during drought cycles?	X			
7	Have you had to restrict usage at any time for any reason?		X		
	Please specify:				
	Changed from Yes to No				
8	Does your system have an emergency or supplemental water supply?	X			
	Please specify: ***From another district***				
	Added from another district				
9	Do you have an Emergency Response Plan that will allow you to meet system demand during a drought or shortage, such as the loss of the largest source? ***If yes, please attach.***		X		
	Changed from Yes to No				

	Water Demand	***Yes***	***No***	***Unknown***	***NA***
10	Do you know whether your system demands will be growing, declining, or remain stable over the next ten years?	X			
	X ***growing*** ***declining*** ***stable***				
	Selected growing				
11	Does your source have additional water available for appropriation?		X		
	Changed from Yes to No				
12	Do you have a water right?	X			
	Water right permit number(s): ***794-2***				
	Added 794-2				
13	If you have large commercial, industrial, or irrigation users, do you know their long-term plans and understand their needs?	X			

Town of Buffalo Gap

	Purchased Water	Yes	No	Unknown	NA
14	If you purchase water from another system or a wholesaler, do you know their long-term plans?				X
	Changed from Yes to NA				
15	Do you have a contract to purchase water?		X		
	If yes, with whom?				
	Changed from Yes to No				
16	Are you currently staying within your contract?				X
	Changed from Yes to NA				
17	Are you knowledgeable about other demands being placed on the same water source that you are using?	X			

	Alternative Sources	Yes	No	Unknown	NA
18	Are alternative water sources possibly available to you?	X			
19	Are you knowledgeable of the characteristics and cost of using alternative sources?	X			
	Water Source	**Yes**	**No**	**Unknown**	**NA**
20	Do you know the depth of your well?	X			
	Depth: 1,270'				
	Added 1,270'				
21	Do you know the geologic name of the aquifer system from which you water is drawn?	X			
	If yes, geologic name: Fall River Aquifer				
	Added Fall River Aquifer				
22	Are all abandoned water sources properly managed and disconnected to prevent accidental contamination or problems with current water system facilities?	X			

	Yes	No
Treatment - Microbiological Contamination		
Is your system using surface water or ground water under the influence of surface water?		X

(If you checked "No", skip to the next section - Ground Water Systems – unless your water system requires treatment other than just disinfection.)

Surface Water Systems

SURFACE WATER SYSTEMS

	Filtration Plant Condition	Yes	No	Unknown	NA
23	Is your filter plant in good physical condition (free from spalling concrete, peeling paint)?				
24	If constructed more than 20 years ago, have treatment processes been upgraded to meet current standards?				
25	Are repair parts available?				
26	Do you have redundancy (back-ups/automatic switch-overs) for all major mechanical units?				
	If no, list units you do NOT have redundancy for:				
27	Can your plant achieve a filtered water turbidity of 0.3 NTU?				

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28	Do you have on-line continuous turbidimeters on each filter?				
29	Have you adopted a turbidity goal lower than the standard?				
	If yes, list goal:				
30	Do you have the capability to add coagulant before the filter?				

Ground Water Systems

	Ground Water Under the Influence of Surface Water	***Yes***	***No***	***Unknown***	***NA***
31	Is your water free from variations in turbidity and temperature after storm events?	X			
	Selected Yes				
	Well Construction and Protection	***Yes***	***No***	***Unknown***	***NA***
32	Do you know when your well was constructed?	X			
	List year: 1963				
	Selected Yes and added 1963				
33	Is your well(s) constructed according to current South Dakota regulations?	X			
	Selected Yes				
34	Do you have a source water protection plan?		X		
	Selected No				
35	Is your wellhead finished with a pitless adapter that will prevent contamination from surface water?	X			
	Selected Yes				

Disinfection	***Yes***	***No***
Do you disinfect?	X	
(If "No", skip to the Infrastructure - Pumping section)		

	Disinfection	***Yes***	***No***	***Unknown***	***NA***
36	Do you regularly inspect and maintain your disinfection / chlorination equipment?	X			
	Type of Equipment: Chlorine Rotary Pump				
	How Often? Weekly				
	Disinfectant used: Chlorine				
	Selected Yes and added Chlorine Rotary Pump, Weekly and Chlorine				
37	Do you have back-up equipment?		X		
	Type:				
	Selected No				
38	Do you have adequate contact time following disinfection and before the first user in the distribution system (30 minutes for ground water systems)?	X			
	Contact time: 2 hours				
	Selected Yes and added 2 hours				
39	Can you detect a chlorine residual at taps at the ends of the distribution system?	X			
	Free Chlorine Residual				
	Total Chlorine Residual: 0.4				
	(if using Chloramines)				
	Selected Yes and added 0.4				

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Disinfection By-Products

	Treatment for Control of Disinfection By-Products	Yes	No	Unknown	NA
40	If you treat surface water, are you already practicing or could you adopt "enhanced coagulation" in your current plant?				X
41	If you treat surface water, could you still meet current contact-time requirements if disinfection were not allowed before sedimentation?				X

Treatment - Security

	Treatment Security	Yes	No	Unknown	NA
42	Has the system implemented procedures to improve security of its facilities? (i.e. limiting access to sensitive sites, protecting computer and control equipment etc.)	X			
43	Are chemicals used for treatment properly stored and secure?	X			
44	Does the water system track chemical usage? (i.e. a sudden increase in usage may signal potential contamination or tampering.	X			

Infrastructure - Pumping

	Condition of Pumping Equipment	Yes	No	Unknown	NA
45	Do you routinely inspect for signs of pump or pump motor problems? ***How often:*** ***monthly*** ***Added Monthly***	X			
46	Once diagnosed, are problems corrected in a timely enough manner to avoid crisis financing, costly repairs, and unscheduled downtime?	X			
47	Do you hire a qualified pump contractor to perform an inspection of all pumping equipment, identify potential problems, and perform maintenance, on an annual basis?	X			

	Standby/Emergency Power Equipment	Yes	No	Unknown	NA
48	Is there sufficient standby/emergency power capacity to supply 100% of the average daily demand of the system (excluding fire demand)?	X			
49	Are any existing standby/emergency power equipment, controls and switches tested or exercised routinely under load conditions, for at least 30 minutes at a time?	X			
50	Has the local electric utility been made aware of the standby/emergency power provisions made by the water system, so that they can reinforce and safeguard the electrical facilities serving the water operations?	X			

Infrastructure - Storage

	Storage Capacity	Yes	No	Unknown	NA
51	Does the system have sufficient gravity-flow (non-pumped) or emergency generator-supported pumping capability to ensure adequate distribution storage to provide safe and adequate service for up to 24 hours without power? ***If no, how long:***	X			

52	Is there reserve capacity in the tank for fire protection support?		X		
	Amount:				
	Changed from Yes to No				
	Security Measures	***Yes***	***No***	***Unknown***	***NA***
53	Are any openings, such as vent pipes, screened to protect against the entrance of small animals, birds, and small insects?	X			
54	Are access hatches locked?	X			
55	Is the tank and the immediate surrounding area fenced?	X			
	Control Systems	***Yes***	***No***	***Unknown***	***NA***
56	Is there a high and low water level signal system to control the pumps?	X			
57	Is there a drain valve or hydrant to allow for draining of the tank?	X			
	Tank Maintenance	***Yes***	***No***	***Unknown***	***NA***
58	Is the tank inspected at least every three years by a qualified tank contractor for evidence of corrosion or pitting, leakage, and structural weakness.	X			
59	Is the tank contractor capable of analyzing the coating of paint on the interior and exterior surfaces of the tank to determine if it contains lead or other hazardous materials?	X			
Infrastructure - Distribution					
	System Maintenance	***Yes***	***No***	***Unknown***	***NA***
60	Do you have an accurate map of your distribution system that indicates main sizes and valve locations?	X			
61	Does the operator routinely flush, test, and maintain the hydrants in the system?	X			
	How often: ***Quarterly***				
	Added Quarterly				
62	Are the locations of valves in the mains and curb stops on the service lines precisely known?	X			
63	Does the system keep a log of distribution system breaks to identify weak areas in the system?	X			
64	Are histories, locations, size, and type of mains and service lines detailed on records in a secure area?	X			
65	Are all valves exercised and lubricated periodically?	X			
66	Is the system free of severe "water hammer" problems?	X			
67	Are meter pits, pressure regulating valves, altitude valves, blow-offs, and other appurtenances maintained on a regular basis?	X			
	Unaccounted-for Water	***Yes***	***No***	***Unknown***	***NA***
68	Is unaccounted-for water in the water system monitored and analyzed each month?		X		
	Changed from Yes to No				
69	Is the unaccounted-for water less than 15 percent of the total water delivered to the mains?			X	
	List percentage of unaccounted for water:				
	Changed from Yes to Unknown				

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		Yes	No	Unknown	NA
70	Are the normal operating pressures in the distribution system between 25 psi and 125 psi?	X			
	Normal operating pressure: ***42*** *PSI*				
	Added 42				
71	Do you have a routine leak detection and repair program?		X		
	Changed from Yes to No				
72	Are all sources of supply and customers metered?		X		
	Changed from Yes to No				
73	Are the meters calibrated and tested routinely to ensure their accuracy and reliability?		X		
	Changed from Yes to No				
	Water Quality in Distribution System	***Yes***	***No***	***Unknown***	***NA***
74	Does your system have an active cross-connection control program?	X			
	Changed from Unknown to Yes				
75	Are any inspections for cross-connections performed?	X			
	Changed from No to Yes				
76	Is there a program for installing and testing backflow prevention devices where potential contamination is present?	X			
77	Is there a program to eliminate "dead-ends" in the mains, where feasible?	X			
	Construction Standards	***Yes***	***No***	***Unknown***	***NA***
78	Are the majority of your mains 6 inches in diameter or larger?	X			
	List percentage: ***51%***				
	Added 51%				
79	Is there a program to gradually replace sub-standard sized mains?	X			
80	Are there suitable rights-of-way and easements provided to the water system for expansion, maintenance, and replacement of mains and services?	X			
81	Is there sufficient earth cover (six feet) to protect the mains from frost damage or heavy loads, if driven over?	X			
82	Are materials of mains designed and selected to resist corrosion, electrolysis, and deterioration?	X			
	Distribution System Problems	***Yes***	***No***	***Unknown***	***NA***
83	Do you receive any complaints regarding water quality (taste, odor, color, etc.)?	X			
	List number of complaints/year: ***between 1 and 2***				
	Most common complaint:				
	Added between 1 and 2				
84	Can you maintain adequate pressure in the distribution system under all conditions of flow?	X			

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The Management Portion of your System

	Distribution System Problems	*Yes*	*No*	*Unknown*	*NA*
1	Does the person operating your system have current water treatment plant and water distribution operator certification credentials from DENR?	X			
	If yes, list classification(s): ***Distribution 1***				
	Added distribution 1				
2	Does your operator receive additional training on an ongoing basis to keep current on new developments in the field?	X			

	Future Operational Demands	*Yes*	*No*	*Unknown*	*NA*
3	Does your water system obtain any regular or occasional technical assistance from outside sources, such as DENR, your engineer, other utilities or organizations specifically dedicated to providing technical assistance?	X			
	If yes, who: ***SD Rural Water Assn, engineers, Fall River Water District***				
	Added SD Rural Water Assn, engineers, Fall River Water District				

Management & Administration

	Who's in Charge?	*Yes*	*No*	*Unknown*	*NA*
4	Is there a clear plan of organization and control among the people responsible for management and operation of the system?	X			
5	Does your system have written personnel policies and job descriptions signed by the employees?	X			
6	Are the limits of the operator's authority clearly known?	X			
7	Does everyone involved in operations know who is responsible for each area?	X			
8	Is someone responsible for scheduling work?	X			

	Security	*Yes*	*No*	*Unknown*	*NA*
9	Does the system have procedures for handling new and terminated employees (i.e. collecting keys, changing locks and computer passwords)?	X			

	Rules and Standards	*Yes*	*No*	*Unknown*	*NA*
10	Do you have explicit rules and standards for system modifications?	X			
11	Do you have rules governing new hook-ups?	X			
12	Do you have a water main extension policy?	X			
13	Do you have standard construction specifications to be followed?	X			
14	Do you have measures to assure cross-connection control and backflow prevention?	X			
15	Do you have policies or rules describing customer rights and responsibilities?	X			

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	Regulatory Compliance Program	Yes	No	Unknown	NA
16	Do you fully understand monitoring requirements and have a scheduling mechanism to assure compliance?	X			
17	Do you know how to obtain clarification or explanation of requirements?	X			
18	Do you have a mechanism to obtain the most recent information on regulatory requirements?	X			
19	Do you maintain adequate records to document compliance?	X			
	If yes, for how long? **5 years**				
	Added 5 years				
20	Did your system have any violations of the primary drinking water standards in the last year?		X		
21	Did your system have any monitoring or reporting violations in the last year?		X		
22	Do you know what to do in the event of a violation?	X			

	Emergencies	Yes	No	Unknown	NA
23	Do you have an Emergency Response Plan?		X		
	Changed from Yes to No				
24	Is there a contingency for making emergency interconnections to neighboring systems, and do you know they will work if needed?	X			
25	Does everyone involved in operations know what they are to do in the event of contamination from a toxic hazardous waste spill in your source water or a main break or a tank failure?	X			
26	Do you have a clear chain-of-command protocol for emergency action?	X			
27	Is someone responsible for emergency operations, for communications with state regulators, for customer relations, for media relations?	X			
	If yes, who (title):				

	Safety	Yes	No	Unknown	NA
28	Do you have a safety program defining measures to be taken if someone is injured?	X			
29	Has the entire staff been properly trained in the location and use of safety equipment?	X			
30	Does everyone understand the risks and safety measures involved in handling water treatment chemicals?	X			
31	Do you have written operating procedures for both routine and emergency system operations?		X		
	Changed from Yes to No				
32	Are you fully aware of Occupational Safety and Health Administration (OSHA) confined space (such as trenches/manholes) regulations?	X			
33	Does the system work with customers to promote their awareness of security?	X			

34	Does the system have a communication plan to alert customers of a natural or intentional threat to public health?	X			
	Maintenance	*Yes*	*No*	*Unknown*	*NA*
35	Do you have a planned maintenance management system -- a system for scheduling routine preventive maintenance (line flushing, pumps, meters, storage tanks, etc.)?	X			
36	Do you have a system for assuring adequate inventory of essential spare parts and back-up equipment?	X			
37	Do you have relationships with contractors and equipment vendors to assure prompt priority service?	X			
38	Do you have records and data management systems for system operating and maintenance data, for regulatory compliance data, and for system management and administration?	X			
	Management Capability	*Yes*	*No*	*Unknown*	*NA*
39	Are you getting the outside services and technical assistance you need? Do you have adequate legal counsel, insurance, engineering advice, technical/operations assistance, rate case preparation, and financial advice?	X			

Asset Management Planning

	Current Status of Utility's Assets	*Yes*	*No*	*Unknown*	*NA*
Section was left blank on application. Answered as followed.					
1	Has your system prepared an asset inventory?		X		
2	Has your system developed a method to assess and prioritize assets based on condition?		X		
3	Has your system assessed assets' remaining useful life?		X		
4	Has your system determined assets' value and replacement costs?		X		
	Utility's Required Sustainable Level-of-Service	*Yes*	*No*	*Unknown*	*NA*
5	Has your system analyzed current customer demand and satisfaction?	X			
6	Has your system anticipated costumer demand?	X			
7	Has your system communicated system performance goals with the public?		X		
8	Has your system identified standard levels of service and tracked system performance?		X		
	Assets Critical to Sustained Performance	*Yes*	*No*	*Unknown*	*NA*
9	Has your system conducted a failure analysis on all assets?		X		
10	Has your system determined probability, and risk consequences of failure?		X		
11	Has your system prioritized system assets based on importance to system operation?		X		
	Utility's Best "Minimum Life-Cycle Cost" Capital Improvement Plan				
	Operations and Maintenance Strategies	*Yes*	*No*	*Unknown*	*NA*
12	Has your system implemented and appropriate maintenance schedule?		X		
13	Has your system identified life-cost for all assets?		X		

Town of Buffalo Gap

14	Has your system identified and compared the cost of rehabilitation versus replacement?		X		
	Utility's Best Long-Term Financing Strategy	*Yes*	*No*	*Unknown*	*NA*
15	Does your system regularly review the system budget?	X			
	How often: ***Annually***				
16	Has your system established and funded a capital improvement account?		X		
17	Has your system implemented a rate structure to ensure financial stability?	X			

The Financial Portion of your System

Please mark the appropriate box: *Yes* , *No* , or *Unknown* for each section. Please try to determine the answer to every question. *If a section does not apply to your system, please write NA for not applicable.*

	Financial Planning Mechanisms	*Yes*	*No*	*Unknown*	*NA*
1	Does your system develop and follow an annual budget that is approved by the governing body?	X			
2	Does the governing body review a monthly summary of revenues and expenses of the utility system?	X			
3	Do you have within the annual budget separate reserve accounts for equipment replacement, capital improvement, depreciation or security upgrades?	X			
	If so, list accounts:				
4	Does the system have reserve funds available in the event of an emergency?	X			
5	Do you have a capital budget or capital improvement plan that projects future capital investment needs some distance (at least five years) into the future?	X			
6	Do you have a process for scheduling and committing to capital projects?	X			
7	Does your planning process take account of all the potential capital needs suggested by your answers to the technical questions in these worksheets?	X			
8	Does your long-term planning incorporate analysis of alternative strategies that might offer cost saving to customers, such as consolidation with other nearby systems or sharing of operations and management expenses with other nearby systems?	X			
	Rates/Billing - Are they Adequate?	*Yes*	*No*	*Unknown*	*NA*
9	Do you regularly review your rates?	X			
	How often? **Annually**				
	Added annually				
10	Do you have a plan in place for periodic increases in rates?	X			
11	Is the rate structure based on metered watered use?	X			
	List rates per 1000 gallons: (i.e. $22 minimum plus $2.50/1000 gallons)	***$57 per 5,000 gallons***			

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12	Does the rate per 1000 gallons change as consumption increases ?	x			
	If so, please describe :				
13	Does the rate structure assure proportionality among users?	x			
14	Do you have procedures for billing and collection?	x			
15	Is your billing collection rate greater than 95%?	x			
16	Do you have collection procedures specifically for delinquent accounts?	x			
	Financial Planning Mechanisms - Are they Adequate?	***Yes***	***No***	***Unknown***	***NA***
17	Does your system have audited financial statements prepared by a certified public accountant (CPA)?	x			
18	Does your water system income exceed operating expenses (including debt service)?	x			
19	Does your water utility support other enterprise funds or the general fund?		x		
20	Does your system require revenues from other enterprise funds or the general fund for normal operations?		x		
21	Do you employ standardized accounting and tracking systems?	x			
22	Do you track budget performance?	x			
23	Do you keep records to substantiate depreciation of fixed assets and accounting for reserve funds?	x			
24	Are financial management recordkeeping systems organized?	x			
25	Are controls exercised over expenditures?	x			
26	Are controls exercised to keep from exceeding your budget?	x			
27	Are there purchasing procedures?	x			
28	Did your system's governing body review this assessment before returning it to the South Dakota Department of Environment and Natural Resources?	x			

Financial Spreadsheet Notes:

Cash balance is projected to increase.

Financial Spreadsheet

Applicant: Town of Buffalo Gap

Completed by: Greta Work

Date: 12/26/2024

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
Enter Year:	2022	2023	2024	2025	2026
1. Beginning Cash on Hand	$ 29,990	$ 21,156	$ 32,006	$ 43,181	$ 61,339
2. Cash Receipts:					
a. Unmetered Water Revenue	$ -				
b. Metered Water Revenue	$ -				
c. Other Water Revenue	$ 41,667	$ 47,000	$ 48,410	$ 122,989	$ 124,485
d. Total Water Revenues (2a through 2c)	$ 41,667	$ 47,000	$ 48,410	$ 122,989	$ 124,485
e. Connection Fees	$ -				
f. Interest and Dividend Income	$ -				
g. Other Income	$ 14,573				
h. Total Cash Revenues (2d through 2g)	$ 56,240	$ 47,000	$ 48,410	$ 122,989	$ 124,485
i. Transfers in/Additional Rev Needed					
j. Loans, Grants or other Cash					
Phase I & II Loan & Grants					
Loan Surcharge					
3. Total Cash Receipts (2h through 2j)	$ 56,240	$ 47,000	$ 48,410	$ 122,989	$ 124,485
4. Total Cash Available (1+3)	$ 86,230	$ 68,156	$ 80,416	$ 166,170	$ 185,824
5. Operating Expenses					
a. Salaries and wages	$ 12,687	$ 9,850	$ 10,146	$ 10,450	$ 10,763
b. Employee Pensions and Benefits					
c. Purchased Water					
d. Purchased Power					
e. Fuel for Power Production					
f. Chemicals					
g. Materials and Supplies	$ 9,056	$ 12,000	$ 12,360	$ 12,731	$ 13,113
h. Engineering Services					
i. Contractual Services – Other					
j. Equip. Rent/Real Property					
k. Transportation Expenses					
l. Laboratory					
m. Insurance					
n. Regulatory Commission Expenses					
o. Advertising					
p. Miscellaneous	$ 21,039	$ 14,300	$ 14,729	$ 15,171	$ 15,626
q. Total Cash O&M Expenses (5a through 5p)	$ 42,782	$ 36,150	$ 37,235	$ 38,352	$ 39,502
r. Replacement Expenditures					
s. Total OM&R Expenditures (5q+5r)	$ 42,782	$ 36,150	$ 37,235	$ 38,352	$ 39,502
t. Loan Principal/Capital Lease Payments	$ 16,858			$ 27,434	$ 28,268
u. Loan Interest Payments	$ 5,434			$ 39,045	$ 38,210
v. Transfers Out					
w. Capital Purchases (specify):					
x. Other					
6. Total Cash Paid Out (5s through 5x)	$ 65,074	$ 36,150	$ 37,235	$ 104,831	$ 105,980
7. Ending Cash Position (4 - 6)	$ 21,156	$ 32,006	$ 43,181	$ 61,339	$ 79,844

Date: 12/26/2024 **Town of Buffalo Gap**

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
8. Number of Customer Accounts	131	131	131	131	131
9. Avg Annual User Charge Account (2d/8)	318.07	358.78	369.54	938.85	950.27
10. Coverage Ratio (2h-5s)/(5t+5u)	0.60	0.00	0.00	1.27	1.28
11. Operating Ratio (2d/5s)	0.97	1.30	1.30	3.21	3.15
12. Total Restricted Cash Balances					
a. Debt Service Reserve					
b. Bond Retirement Reserve					
c. Capital Improvement Reserve					
d. Replacement Reserve					
e. Other					
13. Restricted Cash Balance (12a through 12e)	$ -	$ -	$ -	$ -	$ -
14. Unrestricted Cash Balance (7 – 13)	$ 21,156	$ 32,006	$ 43,181	$ 61,339	$ 79,844