Drinking Water Facilities Funding Applications
November 2014

November 6, 2014
Item 18

TITLE:	Drinking Water Facilities Funding Applications
EXPLANATION:	Eagle Butte submitted an application for the September 2014 funding round, and the application was deferred by the Board at its September 26, 2014, meeting. The project holds 80 priority points.
COMPLETE APPLICATIONS:	An 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/BWNRappssssf1114.pdf If you would like a hard copy of the application, please contact Dave Ruhnke at (605) 773-4216.

WRAP Review Sheet
Drinking Water Facilities Funding Application
Applicant: City of Eagle Butte

Project Title:	Water System Improvements – Distribution System
Funding Requested:	$725,000
Other Proposed Funding:	None
Total Project Cost:	$725,000
Project Description:	Construction of new water lines and the replacement of asbestos cement water mains.
Alternatives Evaluated:	The "No Action" alternative was evaluated and rejected. The existing lines are aging with water loss and pressure issues. The second alternative is to replace the remaining asbestos cement water mains. This alternative was chosen. A new water line will be constructed on the north side of the city to loop the system and provide water service to residences and businesses that are not currently served by the city. A water line will also be constructed on the west side of the city to provide a loop in the distribution system.
Implementation Schedule:	The city anticipates bidding the project in the winter of 2014 with a project completion by the end of the 2015 construction season.
Service Population:	1,318
Current Domestic Rate:	$36.35 per 5,000 gallons/usage
Proposed Domestic Rate at Project Completion:	$38.20 per 5,000 gallons/usage

Interest Rate: 0.0% Term: 30 years Security: Water Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If all funding is provided as loan, Eagle Butte would need to enact a surcharge of $1.85. When added to the current rate of $36.35/5,000 gallons, residents would pay $38.20/5,000 gallons

25% Funding Subsidy:	$181,250 subsidy with a loan of $543,750.
Coverage at 25% Subsidy:	Based on a 25 percent subsidy and a loan of $543,750, Eagle Butte would need to enact a surcharge of $1.39, thereby paying a rate of $37.74/5,000 gallons.

50% Funding Subsidy:	$362,500 subsidy with a loan of $362,500
Coverage at 50% Subsidy:	Based on a 50 percent subsidy and a loan of $362,500, Eagle Butte would need to enact a surcharge of $0.93, thereby paying a rate of $37.28/5,000 gallons.

75% Funding Subsidy:	$543,750 subsidy with a loan of $181,250
Coverage at 75% Subsidy:	Based on a 75 percent subsidy and a loan of $181,250, Eagle Butte would need to enact a surcharge of $0.47, thereby paying a rate of $36.82/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: JIM ANDERSON

FINANCIAL REVIEW COMPLETED BY: ELAYNE LANDE

RECEIVED
JUL - 1 2014
Division of Financial & Technical Assistance

SD EForm - 2126LD V2

Drinking Water Facilities Funding Application

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

Applicant	Proposed Funding Package	
City of Eagle Butte, South Dakota		
Address	CWFCP / DWSRF	$725,000
	Local Cash	
209 Main St., PO Box 150 Eagle Butte, SD 57625	Other	
	Other	
Subapplicant	Other	
DUNS Number 02791523	**TOTAL**	$725,000

Project Title: City of Eagle Butte Water System Distribution Improvements

Description:

The City of Eagle Butte proposes to receive additional funding to construct water distribution system improvements to improve reliability and operational efficiency to the existing water system. The project is being undertaken to improve aging systems through the construction of approximately 7,050 feet of new 6-inch PVC main to extend water service to a new area, approximately 2,080 feet of 8-inch PVC to replace aged asbestos-cement water main, and all necessary appurtenances related to the water main system. The current water rate for residential customers of the City of Eagle Butte is $30.00 per month plus $6.35 per 1,000 gallons above 4,000 gallons per month. The City of Eagle Butte maintains reserve funds for debt service for replacement (depreciation reserve), and for capital improvements. The project will also correspond with another Community Access Grant on Main Street. The Community Access project did not include full depth asphalt removal however, so those costs have been associated with this project.

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.

Verzella LaPlante, Mayor	Verzella LaPlante	06/30/2014
Name & Title of Authorized Signatory (Typed)	Signature	Date

Professional Consultants

Application Prepared By: Central South Dakota Enhancement District

Contact Person: Emeline Post

Mailing Address: PO Box 220

City, State, and Zip: Pierre, SD 57501

Telephone Number: (605)773-2781 Fax: (605) 773-2784

Email address: emeline@csded.org

Consulting Engineering Firm: DeWild Grant Reckert and Associates Company

Contact Person: Trent Bruce

Mailing Address: 2909 East 57th Street, Suite 101

City, State, and Zip: Sioux Falls, SD 57108

Telephone Number: 605-339-4157 Fax: 605-339-4175

Email address: tbruce@dgrnet.com

Legal Counsel's Firm: Bennett, Main and Gubbrud P.C.

Legal Counsel: Dwight Gubbrud

Mailing Address: 618 State Street

City, State, and Zip: Belle Fourche, SD 57717

Telephone Number: (605) 892-2011 Fax:

Email address: bellelaw@bellelaw.com

This section applies only to political subdivisions

Bond Counsel's Firm: Meierhenry Argent, LLP

Bond Counsel: Todd Meierhenry

Mailing Address: 315 S Phillips Ave

City, State, and Zip: Sioux Falls, SD 57104

Telephone Number: (605) 336-3075 Fax: (605) 336-2593

Email address: todd@meierhenrylaw.com

BUDGET SHEET Water Distribution

Cost Classification	A CWFCP / DWSRF	B	C	D	E	Total Funds
1. Administrative Expenses						
A. Personal Services						
B. Travel						
C. Legal including Bond Counsel	$22,000.00					$22,000.00
D. Other publishing, audits, admin. assistance, etc.	$5,000.00					$5,000.00
2. Land, Structure, Right-of-Way						
3. Engineering						
A. Bidding and Design Fees	$14,000.00					$14,000.00
B. Project Inspection Fees	$83,000.00					$83,000.00
C. Other Geotechnical	$31,000.00					$31,000.00
4. Construction and Project Improvement	$480,000.00					$480,000.00
5. Equipment						
6. Contractual Services						
7. Other						
8. Other						
9. Subtotal (Lines 1-8)	$635,000.00					$635,000.00
10. Contingencies	$90,000.00					$90,000.00
11. Total (Lines 9 and 10)	$725,000.00					$725,000.00
12. Total %	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Columns A - E: Identify each funding source and enter the amounts budgeted by cost category.

Comments:Figures have been rounded and figured to coincide with an existing drinking water loan.

Method of Financing

Source Header	Secured Funds	Unsecured Funds (Date Anticipated)
Local Cash (Identify Source)		
Other (Explain) CWFCP/DWSRF		$725,000.00 Sept 2014
Other (Explain)		
Other (Explain)		
Other (Explain)		
Other (Explain)		
TOTAL		$725,000.00

Comments:
This will be additional funding to be utilized for the Water Distribution project that includes loan and loan forgiveness already secured by DENR ID C462148-02.

7.3.1 Repayment Information

Interest rate and term you are applying for: 0 %, 30 years.

What security is being pledged toward the repayment of this loan?
(Political Subdivisions Only)

- ☐ 1. General Obligation bond (requires bond election)
- ☐ 2. Water Revenue bond
- ☒ 3. Project Surcharge Revenue bond
- ☐ 4. Sales Tax Revenue bond

7.3.2 Documents That Must Be Submitted With The Application

Financial Documents

1. Most recent audit or unaudited financial statement to include specific accounting of pledged funds.
2. Current year's budget.

Planning and Legal Documents

1. Governing user charge ordinance or resolution and its effective date.
2. Resolution of authorized signatory for submission of the Drinking Water SRF application and signing of payment requests. This resolution must also include the maximum loan amount requested, interest rate and term being applied for, description of proposed project, and security pledged towards repayment of the loan.
3. Facilities Plan (8.3.18).
4. Capacity Assessment Worksheets (section 8.3.16).

Items 5-7 apply to Nonprofit Entities only

5. By-laws
6. Articles of Incorporation
7. Certificate of Good Standing from Secretary of State

7.3.3 General Information

The month and day your fiscal year begins: January 1st

Population Served 2010 Census, 1349 2013 Population Estimate, US Census

Current 1,318 2000 619 1990 489

Top Five Employers Within 30 Miles	Number of Employees	Type of Business
Cheyenne River Sioux Tribe*	600	Government
Cheyenne-Eagle Butte School System*	200	Education
IHS Hospital-Eagle Butte*	145	Health Care
Lakota Thrifty Mart*	77	Retail
Dupree School System	64	Education

Please indicate employers within boundary of issuing entity with an asterisk (*).

7.3.4 Drinking Water Utility Information

Current Water Utility Debt

Year	2013	2013					
Purpose	Water Meter system	Water Distribution					
Security Pledged	Water Surcharge	Water Surcharge					
Amount	$118,600.00	$248,800.00					
Maturity Date (mo/yr)	01/2023	01/2033					
Debt Holder	BWNR	BWNR					
Debt Coverage Requirement	110%	110%					
Avg. Annual Required Payment	$11,860.00	$8,293.32					
Outstanding Balance	$111,293.00	$24,200.00					

Use additional sheets if more room is required to list all current water utility debt.

Drinking Water Utility Cash Flow

	Prior Year	Prior Year	Current Year	Future Year #
Fiscal Year	2012	2013	2014 Budget	2017
OPERATING CASH FLOW				
Water Sales	$738,151	$653,783.73	$644,138.46	$590,730.00
Surcharge Fee		$15,291.20	$30,861.54	$54,270.00
Other (Explain) Tapping fee/materials sold		$52,927.07	$65,000.00	$65,000.00
Customer Deposits Received/Late fees	$6,725	$4,492.00		$5,000.00
OPERATING PAYMENTS				
Personal Services	($115,278)	($147,759.00)	($155,000.00)	($159,650.00)
Chemical, Material & Supplies	($482,112)	($414,765.73)	($436,000.00)	($400,000.00)
Electric & Other Utilities		($10,099.91)	($10,000.00)	($10,100.00)
Other (Explain) Repairs & Maintainence		($7,035.10)	($14,000.00)	($17,000.00)
Rental/Services and Fees		($58,141.37)	($7,000.00)	($7,000.00)
NET CASH FROM OPERATIONS	$147,486	$88,692.89	$118,000.00	$121,250.00
NONOPERATING CASH FLOW				
Interest Income		$5,011.23	$0.00	$5,000.00
Other Revenue (Explain) Grant	$8,000.00			
Transfers In (Explain)				
Fixed Asset Sale (Explain)				
Transfers Out (Explain)				
Fixed Asset Purchases (Explain)				
Debt Payment (Principal Only)				($44,320.00)
Debt Payment (Interest Only)				
Other Expenses (Explain) Engineering	($57,961.00)			
NET CASH FROM NONOPERATING	($49,961)	$5,011.23	$0.00	($39,320.00)
Net Increase (Decrease) in Cash	$97,525	$93,704.12	$118,000.00	$81,930.00
Beginning Cash Balance	$289,071	$386,596.00	$480,300.12	$500,000.00
Ending Cash Balance	$386,596	$480,300.12	$598,300.12	$581,930.00
RESTRICTED BALANCE	$0	$0.00	$0.00	$0.00
UNRESTRICTED BALANCE	$386,596	$480,300.12	$598,300.12	$561,250.00

Future Year: First full year after project completion.
Does not include the construction costs and draw downs for the loan that were ongoing in 2013+ that were financed by the BWNR.

Restricted Funds Breakdown:

Amount	Anticipated Expense	Method Used to Encumber
$0.00		

Water Fees:

Attach current and proposed rate ordinances or resolutions and rate schedules.

Municipal or Sanitary District - monthly rates at 5,000 gallons (670 cubic feet)

Other Community Water System - monthly rates at 7,000 gallons (935 cubic feet)

Check one: ✓ Incorporated Municipality or Sanitary District

or

___ Other Community Water System

Monthly:	Current Rate	Proposed Rate	# of Accounts /unit	Average use gallons/cubic feet
Domestic	$36.35	* $38.20	778	6,242
Business	$36.35	* $38.20	307	13,583
Other: 'Cycle 3'	$36.35	* $38.20	117	10,867

'Cycle 3' is a classification of BIA and other commercial/non-residential users.

Are fees based on usage or flat rate? Usage

When is proposed fee scheduled to take effect? *

When did the current fee take effect? June 1, 2012

What was the fee prior to the current rate? $36.35 (January 1, 2012)

Attach current and proposed rate ordinances or resolutions and rate schedules.

Five Largest Customers	Type of Business	% of System Revenues	
Cheyenne Housing Auth.-Elderly Manner	Nursing Home	1%	
Cheyenne River Motel	Motel	1%	
Walter Minor Law Enforcement	Law Enforcement	1%	
BIA School	Education	0%	<1%
Black Hills Dialysis, LLC	Health Care	0%	<1%

*As the scope of the project may shift dependent on obtaining funding, the proposed fee is not scheduled to take effect on a specific date.

7.3.5 Property Tax Information N/A

(Complete only if General Obligation bond is pledged to repay your loan.)

Three year valuation trend:

Year			
Assessed Valuation			
Full & True Valuation			

Three year levies and collection trend:

Year			
Amount Levied			
Collected			
Penalties/Interest			
Late Payments			

Five Largest Taxpayers	Description	Assessed Valuation

Comments:

List all current debt secured by General Obligation bond: N/A

Year					
Purpose					
Security Pledged					
Amount					
Maturity Date (mo/yr)					
Debt Holder					
Debt Coverage Requirement					
Avg. Annual Required Payment					
Outstanding Balance					

Use additional sheets if more room is required to list all current G.O. debt.

Comments:

7.3.6 Sales Tax Information N/A

(Complete only if sales tax is pledged to repay your loan.)

Sales tax revenue history for the most current fifteen months:

Month/Year	Amount Collected

Comments:

List all current debt secured by sales tax: N/A

Year Issued					
Purpose					
Amount					
Maturity Date (mo/yr)					
Debt Holder					
Debt Coverage Requirement					
Avg. Annual Required Payment					
Outstanding Balance					

Use additional sheets if more room is required to list all current sales tax debt.

Comments:

7.3.7 Facilities Plan Checklist.

Before submitting the application, please take a few moments to complete the following checklist. Addressing these items prior to submitting the application will expedite the review process

Checklist of SRF Facilities Plan Requirements Have the following items been addressed?	
♦ Submission of a Facilities Plan to the department that addresses those items found in section 8.3.18.	×
♦ A public hearing held discussing the project and the use of an SRF loan to finance the project. (See section 8.3.15)	×
♦ Minutes of the public hearing prepared and submitted to the department for inclusion into the final Facilities Plan.	×
♦ The affidavit of publication of the public hearing received and submitted to the department for inclusion into the final Facilities Plan. (See section 8.3.15)	see attached ×
♦ The four review agencies contacted and responses received for inclusion into the final Facilities Plan. (See section 8.3.18)	×
♦ The Cultural Resources Effects Assessment Summary and supporting documentation, such as an archaeological survey or Historic Register database search. (See section 8.3.20)	Would have been previously completed

7.3.8 Certification of Drinking Water Needs Categories

Identify the loan amount associated with the needs category or categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Definition	Loan Amount
Transmission/Distribution	$725,000.00
Treatment	
Storage	
Source	
System Purchase	
Restructuring	
1452(k) Loan Activities	
1. To acquire land or a conservation easement for source water protection.	
2. To implement voluntary, incentive-based source water quality protection measures.	
TOTAL	$725,000.00

Verzella LaPlante, Mayor

Name of Applicant

Verzella LaPlante

Signature of Authorized Representative

06/30/2014
6-30-14

Date

7.3.9 Preaward Compliance Review

FORM Approved By OMB: No. 2030-0020 Expires 12-31-2011

United States Environmental Protection Agency
Washington, DC 20460

Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note : Read instructions on other side before completing form.

I. Applicant/Recipient (Name, Address, State, Zip Code).	DUNS No.
City of Eagle Butte, SD, 209 Main Street, PO Box 150, Eagle Butte, SD 57625	02791523

II. Is the applicant currently receiving EPA assistance? No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7. See instructions on reverse side.) No

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective action taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7. See instructions on reverse side.) No

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3)). No

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below. Yes

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable bypersons with disabilities, explain how a regulatory exception (40 C.F.R. § 7.70) applies.

VII.* Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex,age, or disability in its programs or activities? (40 C.F.R. § 5.140 and § 7.95) Yes

a. Do the methods of notice accommodate those with impaired vision or hearing? No b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communication? Yes c. Does the notice identify a designated civil rights coordinator? Yes

VIII.* Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. § 7.85(a)) Yes

IX.* Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166) No

X.* If the applicant/recipient is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator. N/A

XI* If the applicant/recipient is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet address for, or a copy of, the procedures. N/A

For the Applicant/Recipient I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official	B. Title of Authorized Official	C. Date
Veryll LaPlante	Mayor	6/30/2014

For the U.S. Environmental Protection Agency I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preawardcompliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisionsof 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized EPA Official See ** note on reverse side.	B. Title of Authorized EPA Official	C. Date

EPA Form 4700-4 (Rev. 03/2008). Previous editions are obsolete.

7.3.10 Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 U.S.C. §1001, a false statement may result in a fine of up to $10,000 or imprisonment for up to 5 years, or both.

Verzella LaPlante, Mayor

Name & Title of Authorized Representative

Verzella LaPlante — Jun 30, 2014

Signature of Authorized Representative — Date

____ I am unable to certify to the above statements. Attached is my explanation

8.3.16 Capacity Assessment Worksheets for Public Water Systems

Department of Environment and Natural Resources

Revised January 2007

Introduction

Because you are in the process of applying for a Drinking Water State Revolving Fund (DWSRF) loan, it is necessary for you to complete the following worksheets. The Safe Drinking Water Act requires that a system applying for a DWSRF loan must demonstrate that it has financial, managerial, and technical capacity. What exactly does that mean?

- ***Technical capacity*** - the physical infrastructure of the water system, including but not limited to the source water adequacy, infrastructure adequacy, and technical knowledge. In other words, does your treatment system work the way it is supposed to? Are you providing the safest and cleanest water possible and required by law to your customers right now, and will you be able to in the future?

- ***Managerial capacity*** - the management structure of the water system, including but not limited to ownership accountability, staffing and organization, and effective linkages. In simpler terms, do you have a capable and trained staff? Do you have an effective management structure?

- ***Financial capacity*** - the financial resources of the water system, including but not limited to the revenue sufficiency, credit worthiness, and fiscal controls. Basically, does your system have a budget and enough revenue coming in to cover costs, repairs, and replacements?

If it is determined that your system does NOT have the required capacity, you may still qualify for a DWSRF loan if it is going to be used to ensure that your system will have the necessary capacity. If you have questions while completing the following worksheets, please call our office at **(605) 773-3754** , and we will be happy to help.

After DENR receives these worksheets, we will study them and other information located in our files to make a determination whether or not your public water system has the technical, financial, and managerial capacity to be eligible to apply for a DWSRF loan. A final report will be available upon completion of the analysis.

Applicant: City of Eagle Butte, South Dakota

Prepared by: Emeline Post, Planner CSDED
Jon Ganje, Public Works Director Eagle Butte
Sheila Ganje, Finance Officer Eagle Butte

Phone #: 773-2781 (CSDED); 852-2716 (Finance Officer)

Date: 6/30/2014

The Technical Portion of your System

Your Water Supply

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

Water Supply and Existing Demands	**Yes**	**No**	**Unknown**	**NA**
Do you know how much water you pump on an average day? ***Amount:*** 265,000	☑	☐	☐	☐
Do you know how much water you pump on a peak day? ***Amount:***	☐	☐	☑	☐
Do you know the maximum amount of water you can pump from your source? ***Amount:***	☐	☐	☑	☐
Is your source capacity higher than your peak day demand? ***Percentage higher or lower:***	☐	☑	☐	☐
Can you meet peak demand without pumping at peak capacity for extended periods? ***Longest time pumping at peak demand:***	☐	☑	☐	☐
Have you been able to provide adequate volumes of water during drought cycles?	☐	☑	☐	☐
Have you had to restrict usage at any time for any reason? ***Please specify:*** Yes, wholesale provider outage.	☑	☐	☐	☐
Does your system have an emergency or supplemental water supply? ***Please specify:***	☐	☑	☐	☐
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.***	☐	☑	☐	☐
Water Demand	**Yes**	**No**	**Unknown**	**NA**
Do you know whether your system demands will be growing, declining, or remain stable over the next ten years? ***Please check:*** ☑ ***growing,*** ☐ ***declining, or*** ☐ ***stable.***	☑	☐	☐	☐
Does your source have additional water available for appropriation?	☐	☐	☑	☐
Do you have a water right? ***Water right permit number(s):***	☐	☐	☑	☐
If you have large commercial, industrial, or irrigation users, do you know their long-term plans and understand their needs?	☑	☐	☐	☐
Purchased Water	**Yes**	**No**	**Unknown**	**NA**
If you purchase water from another system or a wholesaler, do you know their long-term plans?	☐	☑	☐	☐
Do you have a contract to purchase water? ***If yes, with whom?***	☐	☑	☐	☐
Are you currently staying within your contract?	☐	☐	☐	☑
Are you knowledgeable about other demands being placed on the same water source that you are using?	☑	☐	☐	☐

Alternative Sources	Yes	No	Unknown	NA
Are alternative water sources possibly available to you?	☐	☑	☐	☐
Are you knowledgeable of the characteristics and costs of using alternative sources?	☑	☐	☐	☐
Water Source	**Yes**	**No**	**Unknown**	**NA**
Do you know the depth of your well? ***Depth*** _____	☐	☐	☐	☑
Do you know the geologic name of the aquifer system from which your water is drawn? ***If yes, geologic name:*** _____	☐	☐	☐	☑
Are all abandoned water sources properly managed and disconnected to prevent accidental contamination or problems with current water system facilities?	☑	☐	☐	☐

Treatment - Microbiological Contamination

Is your system using surface water or ground water under the influence of surface water? ☐ **yes** ☑ **no**

(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

Filtration Plant Condition	Yes	No	Unknown	NA
Is your filter plant in good physical condition (free from spalling concrete, peeling paint)?	☐	☐	☐	☐
If constructed more than 20 years ago, have treatment processes been upgraded to meet current standards?	☐	☐	☐	☐
Are repair parts available?	☐	☐	☐	☐
Do you have redundancy (back-ups/automatic switch-overs) for all major mechanical units? ***If no, list units you do NOT have redundancy for:*** _____	☐	☐	☐	☐
Can your plant achieve a filtered water turbidity of 0.3 NTU?	☐	☐	☐	☐
Do you have on-line continuous turbidimeters on each filter?	☐	☐	☐	☐
Have you adopted a turbidity goal lower than the standard? ***If yes, list goal:*** _____	☐	☐	☐	☐
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
Is your water free from variations in turbidity and temperature after storm events?	☑	☐	☐	☐
Well Construction and Protection				

Do you know when your well was constructed? ***List year:*** _____	☐	☐	☐	☑
Is your well(s) constructed according to current South Dakota regulations?	☐	☐	☐	☑
Do you have a source water protection plan?	☐	☐	☐	☑
Is your wellhead finished with a pitless adapter that will prevent contamination from surface water?	☐	☐	☐	☑

Disinfection

Do you disinfect? ☐ **yes** ☑ **no** ***(If "no", skip to the Infrastructure - Pumping section)***

Disinfection	Yes	No	Unknown	NA
Do you regularly inspect and maintain your disinfection / chlorination equipment? ***Type of Equipment:*** _____ ***How often?*** _____ ***Disinfectant used:*** _____	☐	☐	☐	☐
Do you have back-up equipment? ***Type:*** _____	☐	☐	☐	☐
Do you have adequate contact time following disinfection and before the first user in the distribution system (30 minutes for ground water systems)? ***Contact time:*** _____	☐	☐	☐	☐
Can you detect a chlorine residual at taps at the ends of the distribution system? ***Free Chlorine Residual:*** _____ ***Total Chlorine Residual:*** _____ (if using chloramines)	☐	☐	☐	☐

Disinfection By-Products

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

Treatment - Security

Treatment Security	Yes	No	Unknown	NA
Has the system implemented procedures to improve security of its facilities? (i.e. limiting access to sensitive sites, protecting computer and control equipment etc.)	☐	☐	☐	☐
Are chemicals used for treatment properly stored and secure?	☐	☐	☐	☐
Does the water system track chemical usage? (i.e. a sudden	☐	☐	☐	☐

increase in usage may signal potential contamination or tampering.

Infrastructure - Pumping All pumping is done by Tri-County Water

Condition of Pumping Equipment	Yes	No	Unknown	NA
Do you routinely inspect for signs of pump or pump motor problems? ***How often:*** _____	☐	☐	☐	☑
Once diagnosed, are problems corrected in a timely enough manner to avoid crisis financing, costly repairs, and unscheduled downtime?	☐	☐	☐	☑
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?	☐	☐	☐	☑
Standby/Emergency Power Equipment	**Yes**	**No**	**Unknown**	**NA**
Is there sufficient standby/emergency power capacity to supply 100% of the average daily demand of the system (excluding fire demand)?	☐	☐	☐	☑
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?	☐	☐	☐	☑
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?	☐	☐	☐	☑

Infrastructure - Storage

Storage Capacity	Yes	No	Unknown	NA
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:*** _____	☐	☑	☐	☐
Is there reserve capacity in the tank for fire protection support? ***Amount:*** _____	☐	☑	☐	☐
Security Measures	**Yes**	**No**	**Unknown**	**NA**
Are any openings, such as vent pipes, screened to protect against the entrance of small animals, birds, and small insects?	☑	☐	☐	☐
Are access hatches locked?	☑	☐	☐	☐
Is the tank and the immediate surrounding area fenced?	☑	☐	☐	☐
Control Systems				
Is there a high and low water level signal system to control the pumps?	☐	☐	☐	☑

Is there a drain valve or hydrant to allow for draining of the tank?	☑	☐	☐	☐
Tank Maintenance				
Is the tank inspected at least every three years by a qualified tank contractor for evidence of corrosion or pitting, leakage, and structural weakness?	☑	☐	☐	☐
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?	☑	☐	☐	☐

Infrastructure - Distribution

System Maintenance	**Yes**	**No**	**Unknown**	**NA**
Do you have an accurate map of your distribution system that indicates main sizes and valve locations?	☑	☐	☐	☐
Does the operator routinely flush, test, and maintain the hydrants in the system? ***How often:*** Systematically throughout city over approx. 5 yr period	☑	☐	☐	☐
Are the locations of valves in the mains and curb stops on the service lines precisely known?	☑	☐	☐	☐
Does the system keep a log of distribution system breaks to identify weak areas in the system?	☑	☐	☐	☐
Are histories, locations, size, and type of mains and service lines detailed on records in a secure area?	☑	☐	☐	☐
Are all valves exercised and lubricated periodically?	☑	☐	☐	☐
Is the system free of severe "water hammer" problems?	☑	☐	☐	☐
Are meter pits, pressure regulating valves, altitude valves, blow-offs, and other appurtenances maintained on a regular basis?	☐	☐	☐	☑
Unaccounted-for Water	**Yes**	**No**	**Unknown**	**NA**
Is unaccounted-for water in the water system monitored and analyzed each month?	☑	☐	☐	☐
Is the unaccounted-for water less than 15 percent of the total water delivered to the mains? ***List percentage of unaccounted for water:*** < 10 %	☑	☐	☐	☐
	Yes	**No**	**Unknown**	**NA**
Are the normal operating pressures in the distribution system between 25 psi and 125 psi? ***Normal operating pressure:*** 32 - 55 psi	☑	☐	☐	☐
Do you have a routine leak detection and repair program?	☑	☐	☐	☐
Are all sources of supply and customers metered?	☑	☐	☐	☐
Are the meters calibrated and tested routinely to ensure their accuracy and reliability?	☐	☑	☐	☐
Water Quality in Distribution System	**Yes**	**No**	**Unknown**	**NA**
Does your system have an active cross-connection control program?	☑	☐	☐	☐

Are any inspections for cross-connections performed? Time of construction	☑	☐	☐	☐
Is there a program for installing and testing backflow prevention devices where potential contamination is present?	☐	☑	☐	☐
Is there a program to eliminate "dead-ends" in the mains, where feasible?	☑	☐	☐	☐
Construction Standards	**Yes**	**No**	**Unknown**	**NA**
Are the majority of your mains 6 inches in diameter or larger? ***List percentage:*** >90%	☑	☐	☐	☐
Is there a program to gradually replace sub-standard sized mains?	☑	☐	☐	☐
Are there suitable rights-of-way and easements provided to the water system for expansion, maintenance, and replacement of mains and services?	☑	☐	☐	☐
Is there sufficient earth cover (six feet) to protect the mains from frost damage or heavy loads, if driven over?	☑	☐	☐	☐
Are materials of mains designed and selected to resist corrosion, electrolysis, and deterioration?	☑	☐	☐	☐
Distribution System Problems	**Yes**	**No**	**Unknown**	**NA**
Do you receive any complaints regarding water quality (taste, odor, color, etc.)? ***List number of complaints/year:*** Rarely, in Spring ***Most common complaint:*** Coloring	☑	☐	☐	☐
Can you maintain adequate pressure in the distribution system under all conditions of flow?	☑	☐	☐	☐

The Management 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.***

Operation & Maintenance

Operations Staff	**Yes**	**No**	**Unknown**	**NA**
Does the person operating your system have current water treatment plant and water distribution operator certification credentials from DENR? ***If yes, list classification(s):*** Coloring Water Distribution, Class II Wastewater Collection Class I Stabilization pond	☑	☐	☐	☐
Does your operator receive additional training on an ongoing basis to keep current on new developments in the field?	☑	☐	☐	☐
Future Operational Demands	**Yes**	**No**	**Unknown**	**NA**
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? ***If yes, who*** SD Association of Rural Water, DENR, EPA	☑	☐	☐	☐

Management & Administration

Who's in Charge?	**Yes**	**No**	**Unknown**	**NA**
Is there a clear plan of organization and control among the people responsible for management and operation of the system?	☑	☐	☐	☐
Does your system have written personnel policies and job descriptions signed by the employees?	☑	☐	☐	☐
Are the limits of the operator's authority clearly known?	☑	☐	☐	☐
Does everyone involved in operations know who is responsible for each area?	☑	☐	☐	☐
Is someone responsible for scheduling work?	☑	☐	☐	☐
Security	**Yes**	**No**	**Unknown**	**NA**
Does the system have procedures for handling new and terminated employees (i.e. collecting keys, changing locks and computer passwords)?	☑	☐	☐	☐
Rules and Standards	**Yes**	**No**	**Unknown**	**NA**
Do you have explicit rules and standards for system modifications?	☑	☐	☐	☐
Do you have rules governing new hook-ups?	☑	☐	☐	☐
Do you have a water main extension policy?	☑	☐	☐	☐
Do you have standard construction specifications to be followed?	☑	☐	☐	☐

	Yes	No	Unknown	NA
Do you have measures to assure cross-connection control and backflow prevention?	☑	☐	☐	☐
Do you have policies or rules describing customer rights and responsibilities?	☑	☐	☐	☐
Regulatory Compliance Program	**Yes**	**No**	**Unknown**	**NA**
Do you fully understand monitoring requirements and have a scheduling mechanism to assure compliance?	☑	☐	☐	☐
Do you know how to obtain clarification or explanation of requirements?	☑	☐	☐	☐
Do you have a mechanism to obtain the most recent information on regulatory requirements?	☑	☐	☐	☐
Do you maintain adequate records to document compliance? ***If yes, for how long?*** forever	☑	☐	☐	☐
Did your system have any violations of the primary drinking water standards in the last year?	☐	☑	☐	☐
Did your system have any monitoring or reporting violations in the last year?	☐	☑	☐	☐
Do you know what to do in the event of a violation?	☑	☐	☐	☐
Emergencies	**Yes**	**No**	**Unknown**	**NA**
Do you have an Emergency Response Plan?	☑	☐	☐	☐
Is there a contingency for making emergency interconnections to neighboring systems, and do you know they will work if needed?	☐	☐	☐	☑
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?	☑	☐	☐	☐
Do you have a clear chain-of-command protocol for emergency action?	☑	☐	☐	☐
Is someone responsible for emergency operations, for communications with state regulators, for customer relations, for media relations? ***If yes, who (title):*** Finance Officer	☑	☐	☐	☐
Safety	**Yes**	**No**	**Unknown**	**NA**
Do you have a safety program defining measures to be taken if someone is injured?	☑	☐	☐	☐
Has the entire staff been properly trained in the location and use of safety equipment?	☑	☐	☐	☐
Does everyone understand the risks and safety measures involved in handling water treatment chemicals?	☐	☐	☐	☑
Do you have written operating procedures for both routine and emergency system operations?	☑	☐	☐	☐
Are you fully aware of Occupational Safety and Health Administration (OSHA) confined space (such as trenches/manholes) regulations?	☑	☐	☐	☐
Does the system work with customers to promote their awareness of security?	☑	☐	☐	☐
Does the system have a communication plan to alert customers of a natural or intentional threat to public health?	☑	☐	☐	☐

Maintenance	Yes	No	Unknown	NA
Do you have a planned maintenance management system -- a system for scheduling routine preventive maintenance (line flushing, pumps, meters, storage tanks, etc.)?	☑	☐	☐	☐
Do you have a system for assuring adequate inventory of essential spare parts and back-up equipment?	☑	☐	☐	☐
Do you have relationships with contractors and equipment vendors to assure prompt priority service?	☑	☐	☐	☐
Do you have records and data management systems for system operating and maintenance data, for regulatory compliance data, and for system management and administration?	☑	☐	☐	☐
Management Capability	**Yes**	**No**	**Unknown**	**NA**
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?	☑	☐	☐	☐

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**
Does your system develop and follow an annual budget that is approved by the governing body?	☑	☐	☐	☐
Does the governing body review a monthly summary of revenues and expenses of the utility system?	☑	☐	☐	☐
Do you have within the annual budget separate reserve accounts for equipment replacement, capital improvement, depreciation or security upgrades? ***If so, list accounts:*** Capital Improvements	☑	☐	☐	☐
Does the system have reserve funds available in the event of an emergency?	☑	☐	☐	☐
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?	☐	☐	☐	☐
Do you have a process for scheduling and committing to capital projects?	☐	☐	☐	☐
Does your planning process take account of all the potential capital needs suggested by your answers to the technical questions in these worksheets?	☐	☐	☐	☐
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?	☐	☐	☐	☐
Rates/Billing - Are they Adequate?	**Yes**	**No**	**Unknown**	**NA**
Do you regularly review your rates? ***How often?*** Annually	☑	☐	☐	☐
Do you have a plan in place for periodic increases in rates?	☐	☑	☐	☐
Is the rate structure based on metered watered use? ***List rates per 1000 gallons:*** $30 minimum+$6.35/1000 gal after 4000 (i.e. $22 minimum plus $2.50/1000 gallons)	☑	☐	☐	☐
Does the rate per 1000 gallons change as consumption increases? ***If so, please describe***: Additional $6.35/1000 gal after 4000	☑	☐	☐	☐
Does the rate structure assure proportionality among users?	☑	☐	☐	☐
Do you have procedures for billing and collection?	☑	☐	☐	☐
Is your billing collection rate greater than 95%?	☐	☐	☑	☐
Do you have collection procedures specifically for delinquent accounts?	☑	☐	☐	☐

Financial Planning Mechanisms - Are they Adequate?	Yes	No	Unknown	NA
Does your system have audited financial statements prepared by a certified public accountant (CPA)?	☑	☐	☐	☐
Does your water system income exceed operating expenses (including debt service)?	☑	☐	☐	☐
Does your water utility support other enterprise funds or the general fund?	☑	☐	☐	☐
Does your system require revenues from other enterprise funds or the general fund for normal operations?	☐	☑	☐	☐
Do you employ standardized accounting and tracking systems?	☑	☐	☐	☐
Do you track budget performance?	☑	☐	☐	☐
Do you keep records to substantiate depreciation of fixed assets and accounting for reserve funds?	☑	☐	☐	☐
Are financial management recordkeeping systems organized?	☑	☐	☐	☐
Are controls exercised over expenditures?	☑	☐	☐	☐
Are controls exercised to keep from exceeding your budget?	☑	☐	☐	☐
Are there purchasing procedures?	☑	☐	☐	☐
Did your system's governing body review this assessment before returning it to the South Dakota Department of Environment and Natural Resources?	☑	☐	☐	☐

Financial Spreadsheet

Applicant: City of Eagle Butte
Completed by: Emeline Post & Sheila Ganje
Date: 6/30/2014

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
Enter Year:	2013	2014 budget	2015	2016	2017
1. Beginning Cash on Hand	$386,596	$480,300	$598,300	$632,810	$500,000
2. Cash Receipts:					
a. Unmetered Water Revenue					
b. Metered Water Revenue	$653,784	$644,138	$620,700	$600,000	$590,730
c. Other Water Revenue surcharge	$15,291	$30,862	$54,270	$54,270	$54,270
d. Total Water Revenues (2a through 2c)	$669,075	$675,000	$674,970	$654,270	$645,000
e. Connection Fees	$4,492				$5,000
f. Interest and Dividend Income	$5,011				
g. Other Income	$52,927	$65,000	$60,000		
h. Total Cash Revenues (2d through 2g)	$731,505	$740,000	$734,970	$654,270	$650,000
i. Transfers in/Additional Rev Needed					
j. Loans, Grants or other Cash	$630,083	*see below	$1,000,000	$825,000	
Please specify					
DWSFR loan and					
loan forgiveness					
3. Total Cash Receipts (2h through 2j)	$1,361,588	$740,000	$1,734,970	$1,479,270	$650,000
4. Total Cash Available (1+3)	$1,748,184	$1,220,300	$2,333,270	$2,112,080	$1,150,000
5. Operating Expenses					
a. Salaries and wages	$98,342	$93,000	$93,930	$94,870	$95,790
b. Employee Pensions and Benefits	$49,417	$62,000	$62,620	$63,250	$63,860
c. Purchased Water					
d. Purchased Power	$10,100	$10,000	$10,050	$10,050	$10,100
e. Fuel for Power Production					
f. Chemicals					
g. Materials and Supplies	$414,766	$436,000	$400,000	$420,000	$400,000
h. Engineering Services				$4,050	
i. Contractual Services – Other	$7,035	$14,000	$15,000	$16,000	$17,000
j. Equip. Rent/Real Property	$58,141	$7,000	$7,000	$57,000	$7,000
k. Transportation Expenses					
l. Laboratory					
m. Insurance					
n. Regulatory Commission Expenses					
o. Advertising					
p. Miscellaneous					
q. Total Cash O&M Expenses (5a through 5p)	$637,801	$622,000	$588,600	$665,220	$593,750
r. Replacement Expenditures	$630,083		$1,000,000	$825,000	
s. Total OM&R Expenditures (5q+5r)	$1,267,884	$622,000	$1,588,600	$1,490,220	$593,750
t. Loan Principal/Capital Lease Payments			$11,860	$11,860	$44,320
u. Loan Interest Payments			$0	$0	$0
v. Transfers Out					
w. Capital Purchases (specify):					
x. Other					
6. Total Cash Paid Out (5s through 5x)	$1,267,884	$622,000	$1,600,460	$1,502,080	$638,070
7. Ending Cash Position (4 - 6)	$480,300	$598,300	$732,810	$610,000	$511,930

Financial Spreadsheet

Applicant: City of Eagle Butte
Completed by: Emeline Post & Sheila Ganje
Date: 6/30/2014

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	1,006	1,202	1,202	1,202	1,202
9. Avg Annual User Charge Account (2d/8)	$665	$562	$562	$544	$537
10. Coverage Ratio (2h-5s)/(5t+5u)	0.0	0.0	(72.0)	(70.5)	1.3
11. Operating Ratio (2d/5s)	0.5	1.1	0.4	0.4	1.1
12. Additions to Reserve Funds for the Year:					
a. Debt Service Reserve					
b. Bond Retirement Reserve				$40,000	
c. Capital Improvement Reserve					
d. Replacement Reserve			$50,000	$50,000	
e. Other			$50,000	$20,000	
13. Total Reserves (12a through 12e)			$100,000	$110,000	
14. Year End Operating Cash (7 – 13)	$480,300	$598,300	$632,810	$500,000	$511,930

*There are no loan and loan forgiveness funds budgeted for 2014, but will be drawn on.

RESOLUTION NO. 2014-06

RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS.

WHEREAS, the City of Eagle Butte has determined it is necessary to proceed with improvements to its Water System, including but not limited to the replacement and extension of water mains and necessary appurtenances throughout the city;

WHEREAS, the City has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources (the "Board") will be prepared; and

WHEREAS, it is necessary to designate an authorized representative to execute and submit the Application on behalf of the City and to certify and sign payment requests in the event financial assistance is awarded for the Project.

NOW THEREFORE BE IT RESOLVED by the City as follows:

1. The City hereby approves the submission of an Application for financial assistance in an amount not to exceed $725,000 to the South Dakota Board of Water and Natural Resources for the Project.

2. The mayor and/or city finance officer is hereby authorized to execute the Application and submit it to the South Dakota Board of Water and Natural Resources, and to execute and deliver such other documents and perform all acts necessary to effectuate the Application for financial assistance.

3. The mayor and/or city finance officer is hereby designated as the authorized representative of the City to do all things on its behalf to certify and sign payment requests in the event financial assistance is awarded for the Project.

Adopted at the City of Eagle Butte City Council meeting, Eagle Butte South Dakota, this 25th day of June, 2014.

This resolution is effective upon passage.

APPROVED:

Vergil LaPlante

Mayor
City of Eagle Butte

(Seal)

Attest: Sheila Gange, Finance Officer

PROCEEDINGS OF THE CITY COUNCIL
Eagle Butte, South Dakota
June 25, 2014

CALL TO ORDER
Pursuant to due call and notice thereof, a special meeting of the City Council of the City of Eagle Butte was held at the City Hall in Eagle Butte, South Dakota on Wednesday, June 25, 2014. Mayor LaPlante called the meeting to order at 6:00 P.M.

ROLL CALL
The following members were present: Mayor Verzella LaPlante and the following alderpersons: J. Shepherd, Mark Steffen, Tyson LaPlante, Tigger Joens and Dale Lesmeister. The following members were absent: James Traversie. Staff members present included Sheila J. Ganje, Finance Officer; Norman R. Schuler, Police Chief; R.J. Joens, Liquor Store Manager; and B. Jon Ganje, W/WW Superintendent. Others present: Trent Bruce-DeWild Grant Reckert Engineering, Marlene Knutson and Emeline Post-Central SD Enhancement District Ross DuBray, Editor-WRE, Kent Mouck-Heartland Waste Management Inc., Catherine Siegel and Nick Stockton-CRST, Dennis Neigel-Eagle Butte Community Club and Harley Morgan.

NEXT MEETING DATE
Council shall convene in regular session on July 7th, 2014 at 6:00 p.m.

ADOPTION OF AGENDA
Council reviewed the agenda as prepared by the Finance Officer and as given notice as per SDCL. Motion was made Steffen, second by Shepherd, all in favor and carried to adopt the agenda.

MEETING MINUTES
Motion was made Shepherd, second by Steffen, all in favor and carried to approve the June Regular (06/04/2014) Meeting Minutes as prepared by Sheila J. Ganje, Finance Officer.

FINANCE: Finance Officer Ganje reported on the following topics.

2012 Audit: The 2012 Audit has been completed by Donna Denker and Associates. Ms. Denker was present at the May Regular Meeting of City Council to provide a verbal report as well as review the written audit information. Denker noted that in 2012 there were no changes in accounting practices and there "is nothing to be concerned about at all". Denker reported that the most significant issue is the possession the stocks. Denker concluded by stating that there were "strong internal controls". The SD Department of Legislative Audit has since reviewed the 2012 Audit Report and suggested a couple minor changes in the report. The 2012 Audit Report will be issued by the SDDLA to the WRE for publication in the near future.

2013 Annual Report: Council did act to approve the 2013 Annual Report and issuance of said report as final to the SD Department of Legislative Audit. The final draft shall be issued by KTLLP to the WRE for publication of the 2013 Annual Report in the official newspaper.

2013 Audit: The SD Department of Legislative Audit has received a letter of approval for the completion of the 2013 Audit by Donna Denker & Associates. The Finance Officer did deliver the 2014-current files to KTLLP for audit purposes. The 2013 Audit has been initiated.

The Principal Financial Stock: The Finance Officer reported a copy of the executive resolution was issued with the letter of instruction for the purpose of the sale of said stock. The sale of these stocks has been completed as of June 6th, 2014 whereby a check was issued for the sale of these stocks in the amount of $118,326.68.

2014 KTLLP Engagement Letter: Motion was made Shepherd, second by Steffen, all in favor and carried to approve the 2014 KTLLP Engagement Letter to be executed by the Finance Officer as presented this evening by the Finance Officer.

March 2014 Compilation Report: Council noted the addition of the Finance Officer signatures on any and all journals recording actions by the accountants. Motion was made Shepherd, second by Steffen, all in favor and carried to approve the March 2014 Compilation Report.

Quarter 2 Budgetary Reports: The Finance Officer reported that Quarter 2 Budgetary Reports will be submitted at the July 2014 Regular Meeting of City Council.

Claims 06/25/2014: Motion was made by Steffen second by Joens, all in favor and carried to approve the June Claims (06/05/2014-06/25/2014) as follows:

CITY OF EAGLE BUTTE CLAIMS REPORT

JUNE
06/05/2014 - 06/25/2014

A&B BUSINESS CENTER		SUPPLIES	$ 1,734.14				
ADELL WHITE DOG		REFUND	$ 95.13				
AIRBORN CUSTOM SPRAYING		MOSQUITO	$ 1,500.00				
AT&T MOBILITY		UTILITIES	$ 461.85				
BANYON DATA SYSTEMS, INC		SOFTWARE	$ 790.00				
BENJAMIN GANJE		REIMBURSEMENT	$ 417.60				
BIEGLER EQUIPMENT		ART IN PARK	$ 750.00				
COCA COLA ENTERPRISES BOTTLING COMPANIES		RESALE/SUPPLIES	$ 790.20				
COMPETITIVE SOFTWARE		SOFTWARE	$ 500.00				
CRST REVENUE DEPARTMENT		LT	$ 11,158.80				
CRST TELEPHONE		UTILITIES	$ 859.34				
CWD		RESALE/SUPPLIES	$ 4,221.75				
D&R PROPANE		UTILITIES	$ 124.00				
DAKTRONICS		BASEBALL PARK	$ 775.00				
DF LIGHTING		SUPPLIES	$ 157.08				
DODGETOWN		VEH CLE R&M	$ 1,269.60				
DONNA DENKER & ASSOCIATES		AUDIT	$ 2,962.80				
EAGLE BUTTE COOPERATIVE		SUPPLIES	$ 2,414.14				
EAGLE STOP		SUPPLIES	$ 1,246.75				
FEDERAL SAFETY COMPLIANCE		SUPPLIES	$ 298.50				
FRANK GANJE TRUE VALUE		SUPPLIES	$ 255.62				
GTC		R&M	$ 1,130.61				
HAZEL RED BIRD		REFUND	$ 50.00				
HETTINGER-MOBRIDGE CANDY & TOBACCO INC.		LIQUOR RESALE	$ 2,481.28				
JEANNIE WALTERS		REFUND	$ 18.20				
JEROME BEVERAGE, INC		LIQUOR RESALE	$ 5,831.80				
JOHNSON BROS. WESTERN WHOLESALE		LIQUOR RESALE	$ 16,961.81				
KETEL THORSTENSON LLP		ACCT.	$ 5,626.90				
KT CONNECTIONS		SERVICES	$ 717.49				
LAKESIDE GOLF COURSE		REIMBURSEMENT	$ 50.00				
LTM		SUPPLIES	$ 490.92				
LONNY LAPLANTE		REIMBURSEMENT	$ 78.40				
LUMBER RANCH		SUPPLIES	$ 63.00				
MENARDS		SUPPLIES	$ 113.09				
METERING & TECHNOLOGY SOLUTIONS		SUPPLIES	$ 187.45				
MICHAEL WHALEN LAW OFFICES		LEGAL SV	$ 6,002.82				
MIDWEST TURF & IRRIGATION		SUPPLIES	$ 69.06				
MORRIS EQUIPMENT LLC		SUPPLIES	$ 3,022.65				
MUTH ELECTRIC INC		SERVICES	$ 3,717.89				
NORTHWEST BEVERAGE		LIQUOR RESALE	$ 27,264.40				
REPUBLIC BEVERAGE		LIQUOR RESALE	$ 5,513.57				
S&S ROADRUNNERS		LIQUOR RESALE	$ 263.48				
SANITATION PRODUCTS		SUPPLIES	$ 480.52				
SD DEPARTMENT OF ENVIRONMENT		FEES	$ 180.00				
SD ONE CALL		FEES	$ 28.86				
SDML		TRAINING	$ 350.00				
SERVALL		RENTAL/FEES	$ 505.02				
SHEILA GANJE		REFUND	$ 7.03				
SD PUBLIC ASSURANCE ALLIANCE		INSURANCE	$ 53,068.75				
T&K RENTAL		ART IN PARK	$ 2,500.00				
TODD HEIDEMAN		LABOR	$ 75.00				
TRI STATE WATER		SUPPLIES	$ 109.60				
UNIFORM & ACCESSORIES WAREHOUSE		PD SUPPLIES	$ 375.91				
UNITED STATES POSTAL SERVICE		SUPPLIES	$ 165.92				
USA BLUEBOOK		SUPPLIES	$ 853.16				
VILAS		SUPPLIES	$ 5.94				
WEST RIVER EAGLE		NEWSPAPER RESALE/ADV	$ 109.51	$ 171,252.34	CLAIMS CHECKS		
AFLAC			$ 332.06				
COLONIAL LIFE			$ 89.44				
DELTA DENTAL			$ 31.50				
LAKESIDE GOLF COURSE			$ 34.99				
SDDSS			$ 57.69				
SD RETIREMENT			$ 1,763.28				
WELMARK BLUECROSS BLUESHIELD OF SD			$ 638.69	$ 2,947.65	PR CLAIMS CHECKS		
PR	BW	6/13/2014	$ 7,368.59				
	BW	6/13/2014	$ 840.07				
	MO	6/1/2014	$ -	$ 8,208.66	$ 182,408.65	CHECK LISTING REPORT	
ELEMENT PAYMENT SERVICES			$ 468.42				
SD DEPARTMENT OF REVENUE & REGULATION			$ 7,348.68				
USDA-RD			$ -	$ 7,817.10	CLAIMS ACH		
PAYROLL TAXES - ACH			$ 4,543.47				
CITY OF EAGLE BUTTE - DD			$ 5,870.39	$ 10,413.86	$ 18,230.96	ACH	
			$ 200,639.61		$ 192,430.95	WARRANT VOUCHER REPORT	

PERSONNEL

New Hire: The Finance Officer reported a new hire as hired by the Liquor Store Manager: Derick Straighthead as part-time liquor clerk at a rate of pay of $8.00 per hour. The following individuals have been hired to work as seasonal employees at $8.00 per hour: Kimmie LeCompte and Markus Knight. Markus Knight's employment has been terminated. The City will hire up to three additional individuals during the two weeks prior to Hometown Days.

Probationary Period Conclusions: The Finance Officer noted the conclusion of the probationary period as of July 2014 for the following employees: Jeannie Walters (W/S) and Callie Anderson (Liquor). The July Regular Meeting Agenda shall include discussion of any intended actions as a result of probationary period completion by these employees.

Training: Golf Course Supper Club employees did receive TAM training on June 3rd from R.J. Joens at the Lakeside Golf Course Club House. The City has yet to receive certification information as was to be issued by Mr. Joens.

The 2014 Elected Officials Workshop will be held on Wednesday, July 23, 2014. The following individuals have expressed interest in attending this training and will finalize commitment by the end of this week: Verzella LaPlante, Dale Lesmeister, Mark Steffen, Tyson LaPlante, Tigger Joens and Sheila J. Ganje. The fee for said training is $50 per person for which the City shall provide for all training cost associated with the training.

Leave: Chief Schuler will be on sick leave from June 23rd – July 4th due to surgery. The Finance Officer noted that James Traversie has been hospitalized for some time due to an accident and that she had planned to send flowers once he was out of intensive care. James Traversie is out of intensive care but the Finance Officer will issues a get well card with a check in the amount of $75 (the cost of flowers) instead given the circumstances.

Additional Pay: Motion was made Steffen, second by Joens, all in favor and carried to approve the request by the FO/Personnel Director as approved by the supervisor and recommended by the L&O Committee to pay Officer Lemke at his regular rate of pay for any hours in excess of his average hours per pay period (105) not to exceed 30 hours during Chief Schuler's unplanned absence given the short notice and inability to schedule to accommodate the absence. The additional pay is a one-time issuance based upon circumstances.

Police Department Schedule: Chief Schuler issued two schedules for police personnel for which one shall cover the period of Schuler's projected absence and the second shall be upon Officer Schuler's return until the end of July.

LEGALS/EXECUTIVE SESSIONS

Building Permit: Motion was made Shepherd, second by Joens, all in favor and carried to approve the building permit as submitted by First Baptist Church of Eagle Butte/Reverend Joseph Banjamin Farrar for the completion of roofing.

Public Hearing: A notice of public hearing was published in the WRE ten days in advance of the hearing as follows:

NOTICE OF PUBLIC HEARING(S)
for the
CITY OF EAGLE BUTTE WATER, WASTEWATER, AND STORM SEWER IMPROVEMENTS PROJECTS

The City of Eagle Butte is seeking up to $725,000 of additional funding from the Board of Water and Natural Resources in order to undertake water distribution system improvements. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Drinking Water State Revolving Fund (DWSRF) Program. The expected Drinking Water SRF loan terms are 0% for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal. In addition, the City of Eagle Butte is seeking up to $2,600,000 from the Board of Water and Natural Resources for wastewater distribution and treatment system improvements, and up to $310,000 for Storm Sewer System Improvements. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Clean Water State Revolving Fund (CWSRF) Program. The expected Clean Water SRF loan terms are 3.25% for up to 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal. The amount and source of all funds will be determined by the Board of Water and Natural Resources when the applications are presented at a scheduled board meeting. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for the loan. The public is invited to attend and comment on the project.

The City of Eagle Butte may also submit an application to the State of South Dakota for a Community Development Block Grant in order to assist with the financing of sewer and storm system improvement projects. The City expects to apply for up to $515,000 from the CDBG Community Projects Account to be used for the proposed projects which will cost approximately $2,900,000. The purpose of the hearing is to receive comments regarding the application from members of the community and to assess the community development needs of the community, prioritize them, and identify the activities to be undertaken to meet the needs. The meeting is open to the public and interested persons are encouraged to attend. Disabled individuals wishing assistance should contact the City Finance Officer for information and/or special assistance-the request should be made 24 hours in advance of the meeting.

The public hearing will be held at City Hall, in Eagle Butte, SD, on June 25, 2014 at 6 p.m. MST

It was noted that there were seventeen individuals present for the public hearing.

This being the time and place for the public hearing for the proposed water and sewer projects were discussed.The project involves the rehabilitation/repair of construction of a water distribution improvements in various locations throughout the city including Sycamore Street, Highway 212 and Bringman Street, Main Street, etc. The project is being undertaken to replace asbestos cement lines and conditions due to the age, plus improve operations due to looping, etc. The city went to bids earlier in the year, but no bid was received. It has been determined that an additional $725,000 of funds from SDDENR is needed along with the existing $1,100,000 already available from SDDENR. The alternative to the project is to do nothing. If all of the $725,000 is received at 0% for 30 years, the surcharge will be approximately $2.20/user/month. Depending on the final financial package this may be in addition to the existing water rates.

The sanitary and storm sewer improvements were reviewed and involves work at the lagoon system including installation of an aeration system, dredging of the pond(s), control structures and other necessary appurtenances, collection system repair/replacement and extension with necessary appurtenances due to the condition of the system including storm sewer installation as needed to preventing flooding and ponding of water. The areas for improvements are located throughout the city, including Sycamore Street, Highway 212 and Bringman Street, Shupick Park, Prairie Road, Willow Street/Pioneer Ave, Main Street, etc. The alternative to the project is to do nothing. The project is expected to cost $2,910,000 and if all is received as a 30 year note at 3.2% from SDDENR it will result in a $13.88 surcharge/user/month, plus the existing rate. Various loan amounts were discussed and what it would do to the surcharge. However rates will be reviewed based upon the final financing package received.

The revenue source for repayment of loans to SDDENR will be surcharges for both the water and wastewater/storm sewer project in order that the debt not go against the city's legal debt limit.

The Community Development Block Grant program was reviewed as it related to applying for $515,000 for the wastewater/storm sewer project. A Community Development and Housing Needs Plan was developed and adopted with projects being identified and why needed, prioritized and implementation strategies for each discussed. Projects in priority order include: water, wastewater/storm sewer, street and lighting improvements, liquor store improvements, and recreation improvements. The plan is available at city hall for viewing.

Motion was made by Steffen second by Shepherd, all in favor and carried to approve the following resolutions:

RESOLUTION NO. 2014-06

RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS.

WHEREAS, the City of Eagle Butte has determined it is necessary to proceed with improvements to its Water System, including but not limited to the replacement and extension of water mains and necessary appurtenances throughout the city;

WHEREAS, the City has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources (the "Board") will be prepared; and

WHEREAS, it is necessary to designate an authorized representative to execute and submit the Application on behalf of the City and to certify and sign payment requests in the event financial assistance is awarded for the Project.

NOW THEREFORE BE IT RESOLVED by the City as follows:

1. The City hereby approves the submission of an Application for financial assistance in an amount not to exceed $725,000 to the South Dakota Board of Water and Natural Resources for the Project.

2. The mayor and/or city finance officer is hereby authorized to execute the Application and submit it to the South Dakota Board of Water and Natural Resources, and to execute and deliver such other documents and perform all acts necessary to effectuate the Application for financial assistance.

3. The mayor and/or city finance officer is hereby designated as the authorized representative of the City to do all things on its behalf to certify and sign payment requests in the event financial assistance is awarded for the Project.

Adopted at the City of Eagle Butte City Council meeting, Eagle Butte South Dakota, this 25th day of June, 2014.

This resolution is effective upon passage.

APPROVED:

Vaugell LaPlante
Mayor
City of Eagle Butte

(Seal)

Attest: Sheila Ganje, Finance Officer

RESOLUTION NO. 2014-07

RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS.

WHEREAS, the City of Eagle Butte has determined it is necessary to proceed with improvements to its Waste Water and Storm Sewer Systems, including, but not limited to, replacing an existing lift station, plus install aeration system and undertaking other improvements related to the existing lagoon system; replace and extend collection system lines, as well as install storm sewers at various locations throughout the city, plus necessary appurtenances related to said project.

WHEREAS, the City has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources (the "Board") will be prepared; and

WHEREAS, it is necessary to designate an authorized representative to execute and submit the Application on behalf of the City and to certify and sign payment requests in the event financial assistance is awarded for the Project,

NOW THEREFORE BE IT RESOLVED by the City as follows:

1. The City hereby approves the submission of an Application for financial assistance in an amount not to exceed $2,910,000 to the South Dakota Board of Water and Natural Resources for the Project.

2. The Mayor and or the City Finance officer of Eagle Butte is hereby authorized to execute the Application and submit said to the South Dakota Board of Water and Natural Resources, and to execute and deliver such other documents and perform all acts necessary to effectuate the Application for financial assistance.

3. The Mayor or City Finance officer of Eagle Butte is hereby designated as the authorized representative of the City to do all things on its behalf to certify and sign payment requests in the event financial assistance is awarded for the Project.

Adopted at the Eagle Butte City Council Meeting, Eagle Butte, South Dakota, this 25th day of June, 2014. This resolution is effective upon passage.

APPROVED:

Verzella LaPlante

Mayor
City of Eagle Butte

(Seal)

Attest: Sheila Ganje, City Finance Officer

RESOLUTION #2014-08

WHEREAS, the City of Eagle Butte has identified the need for a sanitary sewer and storm sewer systems project;

WHEREAS, the City of Eagle Butte proposes to upgrade the lagoon system and replace and extend sanitary sewer lines and construct a lift station, plus make storm sewer improvements and related appurtenances to the systems at various locations throughout the city; and

WHEREAS, the City of Eagle Butte is eligible for Federal assistance for the proposed project, and

WHEREAS, the City of Eagle Butte has held the required public hearing on Wednesday, June 25, 2014, at 6:00 p.m., and

WHEREAS, with the submission of the CDBG application the City of Eagle Butte assures and certifies that all CDBG program requirements will be fulfilled,

THEREFORE, BE IT RESOLVED that the City of Eagle Butte duly authorizes the Mayor of Eagle Butte to sign and submit the CDBG application requesting up to $515,000 of funds.

This resolution is effective immediately upon passage.

Adopted this 25th day of, June, 2014.

Verzella LaPlante

Verzella LaPlante, Mayor
City of Eagle Butte, South Dakota

ATTEST: Sheila Ganje, Finance Officer

RESOLUTION #2014-09

WHEREAS, the City of Eagle Butte expects to be the recipient of a Community Development Block Grant from the US Department of Housing and Urban Development as administered by the State of South Dakota to undertake a wastewater/storm sewer improvemenets project; and

WHEREAS, the City of Eagle Butte is required to designate a certifying officer for the purpose of signing required documents pertaining to this grant;

NOW, THEREFORE BE IT RESOLVED, that the Mayor or City Finance Officer of the City of Eagle Butte, be hereby designated as the city official for the purpose of signing the CDBG grant agreements, contracts, correspondence, pay requests, and other required documents; and

WHEREAS, the City of Eagle Butte is required to designate an environmental certifying officer for the purpose of signing required environmental documents pertaining to this grant;

NOW, THEREFORE, BE IT RESOLVED, that the City Finance Officer of the City of Eagle Butte, be hereby designated as the city's environmental certifying officer for the purpose of signing environmental correspondence and other required documents and forms.

This resolution is effective upon passage.

Dated this 25th day of June, 2014.

By: Verzella LaPLante

Verzella LaPLante, Mayor
City of Eagle Butte

Attest: Sheila Ganje

Sheila Ganje, Finance Officer
City of Eagle Butte

Affidavit of Publication

STATE OF SOUTH DAKOTA,
COUNTY OF DEWEY, ss.

I, Franklin Gross, being first duly sworn, on oath says, that he is the bookkeeper of the WEST RIVER EAGLE, a weekly newspaper published in Eagle Butte, County of Dewey, and has full and personal knowledge of all the facts herein stated; that said newspaper is a legal newspaper and has a bona fide circulation of at least two hundred copies weekly, and has been published within said county for fifty-two successive weeks next prior to the publication of the notice herein mentioned; that the

NOTICE OF PUBLIC HEARING(S) for the City of Eagle Butte Water, Waste Water and Storm Sewer

City of Eagle Butte

a printed copy of which, taken from the paper in which same was published, is attached to this sheet, and is made a part of this Affidavit, was published in said newspaper at least once each week for one successive weeks, on the day of each week on which said newspaper was regularly published to-wit:

June 12th, 2014

That the full amount of the fees for the publication of the annexed notice is $26.26

Subscribed and sworn to before me this 30th day of June, 2014

Kelsey Majeske, Notary Public
State of South Dakota
My commission expires September 17th, 2018

KELSEY MAJESKE
SEAL NOTARY PUBLIC SEAL
SOUTH DAKOTA

NOTICE OF PUBLIC HEARING(S) for the City of Eagle Butte Water, Waste Water, and Storm Sewer Improvements Projects

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The public hearing will be held at City Hall, in Eagle Butte, SD, on June 25, 2014 at 6 p.m. MST

Published one time at the total approximate cost of $26.26.
-061214

YOUR RIGHT TO KNOW

Regular meeting May 12 of the Eagle Butte School Dist. 20-1

Eagle Butte School District 20-1
Regular Meeting of the Board of Education
Upper Elementary Library,
Eagle Butte, SD
Monday, May 12, 2014

The regular meeting of the Eagle Butte School District 20-1 was called to order on May 12, 2014 at 5:31 pm by Chairperson Charles Shupick. Members present: Donita Fischer, Tina Neigel, Kirby Peterson, Sammi Ducheneaux (in at 5:35pm). Members absent: Holly Annis and Wayne Ducheneaux II. Administration present: Carol Veit and Keith Watt. Others in attendance: Cora Petersen, Donald and Kimberly McDaniel, Jill Brehmer-Marshall, and Phoebe Lemke. All listed motions were passed by a unanimous vote unless otherwise stated.

OFFICIAL BUSINESS

063-14 Motion by T. Neigel, second by D. Fischer to adopt the agenda with the freedom to move within.

064-14 Motion by T. Neigel, second by D. Fischer to approve the minutes from the regular meeting on April 14, 2014 with corrections of spelling (LeCompte) and meeting report given by J. Cook v. M. Benoist.

065-14 Motion by T. Neigel, second by K. Peterson to approve the minutes from the special meetings on April 22, 28, and 30, 2014.

Public Comments – None

066-14 Motion by D. Fischer, second by S. Ducheneaux to accept the financial reports as submitted.

067-14 Motion by S. Ducheneaux, second by K. Peterson to approve the expenditure report as submitted. Payables for May: General Fund – $115,805.83 / Capital Outlay Fund – $11,737.46 / Special Education Fund – $25,487.13. Total payables for May – $153,030.42.

Executive Session

068-14 Motion by T. Neigel, second by S. Ducheneaux to enter executive session at 5:50pm for legal issues.

Board declared out of executive session at 6:03pm. Action taken on Boundary Changes tabled until phone call from attorney (call received at 6:19pm).

Preliminary Budget 2014-2015 – Discussion only.

ASBSD Protective Trust Worker's Comp Fund

069-14 Motion by D. Fischer, second by K. Peterson to approve the participation and renewal in the ASBSD Protective Trust Worker's Comp Fund.

Attendance Policies – Discussed and Tabled to Coop. Mtg.

Bleacher Discussion -Discussed and Tabled to Coop. Mtg.

PERSONNEL

Leave Donation - Administration

070-14 Motion by T. Neigel, second by D. Fischer to approve up to 3 days of donated sick leave only for administrative personnel.

Out of State Travel Request – Not needed.

Resignation – Not needed.

Executive Session

071-14 Motion by T. Neigel, second by D. Fischer to enter executive session at 6:19pm for personnel issues.

Board declared out of executive session at 6:33pm. No action taken.

Awareness Items – Information only.

20-1 Board recessed at 6:35pm.

C-EB Cooperative Board

The Cheyenne-Eagle Butte Cooperative Board meeting was called to order by Chairperson Sammi Ducheneaux at 7:03pm with the following members present: Charles Shupick, Kirby Peterson(in at 7:08pm), Rhea LeCompte, Jay Cook, Tina Neigel, Jay Cook, Donita Fischer, Codi High Elk, Marc Benoist, and Carla Veaux. Member absent: Robert Chasing Hawk, Holly Annis, Wayne Ducheneeaux II, Michelle Fischer. Administration present: Dr. Kathy Bowker, Carol Veit and Keith Watt. Others in attendance: Larry Keller, Larry Mendoza, Timmie Williams. All listed motions were passed by a unanimous vote unless otherwise stated.

072-14 Motion by C. Shupick, second by T. Neigel to approve the agenda.

073-14 Motion by C. Shupick, second by T. Neigel to approve the minutes from the regular meeting on April 22, 2014 with the corrections of Jay Cook giving the Coop. meeting report and motion 057-14 will clarify that handbooks were to be emailed to the policy committee members.

074-14 Motion by C. Shupick, second by T. Neigel to approve the minutes from special meetings on April 16 and 17, 2014 with the correction of R. LeCompte name spelling in the adjournment motion. Vote: 9 in favor, 1 abstain (C. Veaux), motion carried.

Meeting Reports – 95-561 report was given by M. Benoist, 20-1 report was given by C. Shupick.

Student Reports – None.

Public Comments – Concerns were voiced over the communication of events from the Jr. High Area.

SDHSAA Participation

075-14 Motion by C. Shupick, second by C. Veaux to approve the participation in SDHSAA.

SDHSAA Ballots

076-14 Motion by C. Shupick, second by C. Veaux to vote no on Amend. #1.

077-14 Motion by C. Shupick, second by C. High Elk to vote yes on Amend. #2.

078-14 Motion by C. Shupick, second by T. Neigel to vote yes on Amend. #3.

079-14 Motion by C. Shupick, second by K. Peterson to vote yes on Amend. #4.

080-14 Motion by C. Shupick, second by D. Fischer to vote no on proposed Amend. #5.

Advanced Ed/State Accreditation Report – Information only.

Attendance Policies – Discussion only.

Bleacher Discussion

081-14 Motion by R. LeCompte, second by C. High Elk that Dr. Bowker direct Larry Mendoza to pursue upgrading the football field and renovation of football field complex.

Handbook Format – Discussion only.

Student Hearing Process – Discussion only.

Executive Session – Not needed.

FUNDS AND FACILITIES

Awareness Items – Public Forum for Indian Policy and Procedures, Impact Aid, Title VII, and JOM will be held May 21, 2014 at 5:00pm in the Upper Elem. PDR.

Adjournment

082-14 Motion by D. Fischer, second by C. Shupick for the Coop. Bd. to adjourn at 8:40pm.

20-1 Board reconvened at 8:40pm.

083-14 Motion by S. Ducheneaux, second by D. Fischer for the 20-1 Bd. to adjourn at 8:41pm.

/s/ Keith Watt
Business Manager
Eagle Butte School District 20-1
05/2014 Payables

Fund: 10 GENERAL FUND

AMSTERDAM PRINTING Date Planners 1,369.59; APPLEBEES Jr. Class College Tour/Gear Up 302.05; ASB WORKER'S COMP. FUND WC Renewal/14-15 23,819.00; AT&T MOBILITY Monthly Service 54.72; BJ'S INSTRUMENT REPAIR Instrument Rpr.(6)/CF 370.00; BLACK HILLS RAPTOR CENTER Raptor Prog. Fee 425.00;

C-EB STUDENT ACTIVITY FUND JH Asst. Track Coach 1,425.00; C-EB STUDENT ACTIVITY FUND Lakota Lang. Speakers 550.00; C-EB STUDENT ACTIVITY FUND Lakota Lang. Speakers 750.00; C-EB STUDENT ACTIVITY FUND Handgame Sticks & Drum 300.00; C-EB STUDENT ACTIVITY FUND Lakota Speaker 125.00; C-EB STUDENT ACTIVITY FUND Speakers/ NA Week 500.00; C-EB STUDENT ACTIVITY FUND Necklaces/ School Wacipi 405.00; C-EB STUDENT ACTIVITY FUND State BB Mileage/Lodging 793.83; C-EB STUDENT ACTIVITY FUND Golf Meals 355.00; C-EB STUDENT ACTIVITY FUND Sr/Jr field Trip Expenses/Gear Up 217.01; C-EB STUDENT ACTIVITY FUND Meals/Wrestling 2,188.00;

CDW GOVERNMENT, INC. DVD Player/AB 92.99; CDW GOVERNMENT, INC. Brackets/KJ 5.58; CDW GOVERNMENT, INC. Power Cord/CV 74.00; CDW GOVERNMENT, INC. Toner/3-6 Offices 2,590.44; CENTURY BUSINESS PRODUCTS Copier/Staples 96.50; CENTURY BUSINESS PRODUCTS Monthly Service/Color TII 1,077.78; CEV AgriScience/VoAg/Carl Perkins 3,900.00; COLE PAPERS Kitchen Supplies 263.16; COLE PAPERS Paper 2,304.00; COLE PAPERS Rpr. Floor Sweeper 124.50; COLLEGE HORIZENS, INC. Tuition & Airfare/College Access 848.00; COLLEGE HORIZENS, INC. Tuition & Airfare/College Access 898.00; CRST TELEPHONE AUTHORITY Monthly Service 557.52;

D & R PROPANE Propane 2,022.14; DAKOTA BUS SERVICE INC. Jr. Class College Tour/Gear Up 2,500.00; DAKOTA SILK SCREEN Golf Uniforms 361.00; DAYS INN OF MITCHELL Lodging/Golf 144.00; DEPOY, DARLA ISSD Mtg./Mileage 69.56; DSU DINING SERVICES - ARAMARK Jr. College Tour/Meals/Gear Up 168.00; DUCHENEAUX, LISA Tutoring Services 3,700.00; EAGLE BUTTE COOP Kitchen Supplies 2,986.98; EAGLE BUTTE WATER DEPARTMENT Monthly Service 711.70; EBSCO SUBSCRIPTIONS Lib. Mag. Subs./UE 584.30; ENGEL MUSIC SUPPLY Piano Supplies/21st Century 90.82;

FAIRFIELD INN Jr. Class College Tour/Gear Up 520.00; FISCUS, CHRIS Rgn. Music Mtg./Mileage 61.42; FRANK GANJE HARDWARE Supplies/Maint. 196.47; G & R CONTROLS Service Agreement 3,129.00; GRUNEWALDT, JOYCE Close Up Travel/JG 50.00; GTC AUTO PARTS INC Maint. Supplies 178.99; HARVEY'S LOCK SHOP Door Parts 152.94; HEIDLEBAUGH, WESLEY TIE Conf./Travel 312.92; HONEYWELL Qtrly. Service Agreement 5,985.59; JANITOR'S CLOSET Kitchen Supplies 248.49; JOENS, KENT TIE Conf. Travel/KJ 285.84;

KARL'S - PIERRE Stoves/Apt. 13 & Reserve 859.92; KESSLER, JILL ACT Reg. Fees/Reimb. 60.84; KESSLER, JILL Site Coor. Stipend/Gear Up 1,000.00; KESSLER, JILL Spring Stipend/College Access 250.00; KNIGHT, CONNIE CRST TI I Supplies 850.85; LAKOTA THRIFTY MART FACS Supplies 814.76; LODGE AT DEADWOOD, THE Prof. Dev./Lodging-AB 218.84; LUMBER RANCH Maint. Supplies 41.10;

MARK'S Plumbing Supplies 518.39; MATHESON TRI-GAS INC Welders(3)/Carl Perkins 6,472.74; MATHESON TRI-GAS INC Welding Supplies 641.22; MCI WORLDCOM Monthly Service 84.38; MCLELLAN, PEGGY TIE Conf. Travel/PM 289.84; MIDAMERICA BOOKS Library Titles/UE-PM 848.00; MOREAU GRAND ELECTRIC Monthly Service 6,239.27; NASSP NHS Fees/HS-DP 85.00; NORTHWEST AREA SCHOOLS Spelling Bee/Academic Fee 345.00;

OFFICE & TECHNOLOGY Certificates/JH 204.08; OGLALA LAKOTA COLLEGE Tuition/Prof. Dev. 706.00; PAYNE HERITAGE AGENCY Bond Premium 300.00; PEACOCK, MARK Title Mtg./Travel 151.19; POSITIVE PROMOTIONS Tchr. Appreciation Supplies 1,903.09; READ RIGHT SYSTEMS, INC. Tutor Recertification 8,800.00; SERVALL UNIFORM/LINEN CO. Monthly Service 1,362.05; SEVEN FIRES BUSINESS SOLUTIONS Supplies/EC-VB619.00; SEVEN FIRES BUSINESS SOLUTIONS Supplies/CV 242.73; SMALL ENGINE HOUSE LLC Mower Deck Rprs. 682.60; SOFTWARE UNLIMITED, INC. Acct. Software Maint. 4,075.00; SOUTH DAKOTA TEACHER JOB FAIR Tchr. Fair Reg./CV 175.00; SUPER 8 SIOUX FALLS Tchr. Job Fair/Lodging-CV 67.69;

TCHS SICANJU LAKOTA CLUB Handgames Tournament 100.00; THE COMPANY TIE Conf. Reg. 50.00; TROPHY DEPOT Archery Awards/5-6 75.83; TWILIGHT FIRST AID & SAFETY SUPPLY Restock First Aid Kits 414.90; TWILIGHT FIRST AID & SAFETY SUPPLY Kitchen Supplies 49.00; UPS Rtn. Dental Supplies 42.51; VEIT, CAROL SF Tcher. Fair/Travel 262.84; VEIT, CAROL BHSU Tchr. Fair/Travel 129.48; VEIT, CAROL ISSD Mtg./Travel 66.60;

WAL-MART COMMUNITY CRST TI Supplies 2,631.14; WATT, KEITH Accreditation Team Meal 55.00; WATT, KEITH Golf Travel/LES 67.88; WELLMARK BLUECROSS BLUESHEILD Health Ins./DW 1,152.11; WEST RIVER EAGLE Legals/Minutes 429.21; WEYAND, CORRINE Prof. Dev./Mileage 44.40; WILLISON, DENISE Supplies/21st Cent. 84.52.

Fund Total: 115,805.83

Fund: 21 CAPITAL OUTLAY

COLE PAPERS Custodial Supplies 442.20; COLE PAPERS Custodian Supplies 1,417.07; CURRENT ELECTRIC Electric Work/Kitchen Lights 3,754.43; MID-AMERICAN RESEARCH CHEMICAL Gym Floor Refinishing Supplies 1,298.54; MID-AMERICAN RESEARCH CHEMICAL Gym Floor Refinishing 4,825.22.

Fund Total: 11,737.46

Fund: 22 SPECIAL EDUCATION FUND

AMERICAN INDIAN INSTITUTE FOR INNOVATION Psych. Services 9,750.00; AZURE, JANE IEP Trng./JA 136.60; BEHAVIOR CARE SPECIALIST, INC. Residential Tuition 9,765.00; BEST WESTERN RAMKOTA INN Autism Travel 223.98; CHILDREN'S HOME SOCIETY Residential Tuition 1,547.36; OURHOME, INC. Educational Tuition 414.19; RHODD, JUANITA Psych. Testing 3,630.00.

Fund Total: 25,487.13

Checking Account Total: 153,030.42

Eagle Butte School District 20-1
Revenue Report by Fund
04/30/2014

Fund: 10 GENERAL FUND

Dewey County Treasurer - Ad Valorem Taxes	13,491.22
Ziebach County Treasurer - Ad Valorem Taxes	504.34
Dewey County Treasurer - Penalties & Interest on Taxes	0.12
State Bank of Eagle Butte - MMSA Interest – April	2.05
Dewey County Treasurer - County Apportionment	565.23
State of South Dakota - State Aid – General	117,661.00
Fund Total:	132,223.96

Fund: 22 SPECIAL EDUCATION FUND

Dewey County Treasurer - Ad Valorem Taxes	7,727.18
Ziebach County Treasurer – Ad Valorem Taxes	194.75
Dewey County Treasurer - Penalties & Interest on Taxes	0.07
State Bank of Eagle Butte - Interest on CD# 5240	436.09
State Bank of Eagle Butte - Interest on CD# 5158	199.95
State of South Dakota - State Aid – SpEd	20,166.00
Fund Total:	28,724.04

Fund: 27 AGENCY FUND IMPACT AID

State Bank of Eagle Butte - MMSA Interest – April	20.73
Fund Total:	20.73

Summary Totals

10	101	132,221.91
10	105	2.05
22	101	28,724.04
27	105	20.73
Total:		160,968.73

Published one time at the total approximate cost of $135.68. -061214

Eagle Butte School District 20-1
Cash Flow Report 04/30/2014

Account Number	Account Description	Cash Flow Beginning Cash	Cash Flow Revenues	Cash Flow Expenses	Cash Flow Payables Change	Cash Flow Ending Cash
10	GENERAL FUND	$497,558.62	$131,859.39	($433,484.73)	$0.00	$195,933.28
21	CAPITAL OUTLAY	($96,238.61)	$0.00	($4,083.53)	$0.00	($100,322.14)
22	SPECIAL EDUCATION FUND	$376,260.26	$28,724.04	($112,800.66)	$0.00	$292,183.64
27	AGENCY FUND IMPACT AID	$4,304,901.65	$20.73	$0.00	$0.00	$4,304,922.38
Grand Total:		$5,082,481.92	$160,604.16	($550,368.92)	$0.00	$4,692,717.16

NOTICE OF PUBLIC HEARING(S) for the City of Eagle Butte Water, Waste Water, and Storm Sewer Improvements Projects

The City of Eagle Butte is seeking up to $725,000 of additional funding from the Board of Water and Natural Resources in order to undertake water distribution system improvements. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Drinking Water State Revolving Fund (DWSRF) Program. The expected Drinking Water SRF loan terms are 0% for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal. In addition, the City of Eagle Butte is seeking up to $2,600,000 from the Board of Water and Natural Resources for wastewater distribution and treatment system improvements, and up to $310,000 for Storm Sewer System Improvements. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Clean Water State Revolving Fund (CWSRF) Program. The expected Clean Water SRF loan terms are 3.25% for up to 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal. The amount and source of all funds will be determined by the Board of Water and Natural Resources when the applications are presented at a scheduled board meeting. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for the loan. The public is invited to attend and comment on the project.

The City of Eagle Butte may also submit an application to the State of South Dakota for a Community Development Block Grant in order to assist with the financing of sewer and storm system improvement projects. The City expects to apply for up to $515,000 from the CDBG Community Projects Account to be used for the proposed projects which will cost approximately $2,900,000. The purpose of the hearing is to receive comments regarding the application from members of the community and to assess the community development needs of the community, prioritize them, and identify the activities to be undertaken to meet the needs. The meeting is open to the public and interested persons are encouraged to attend. Disabled individuals wishing assistance should contact the City Finance Officer for information and/or special assistance the request should be made 24 hours in advance of the meeting.

The public hearing will be held at City Hall, in Eagle Butte, SD, on June 25, 2014 at 6 p.m. MST

Published one time at the total approximate cost of $26.26. -061214

Special meeting May 20th of Eagle Butte School Board

EAGLE BUTTE SCHOOL
DISTRICT 20-1
Special Meeting of the
Board of Education
Upper Elementary (Rm. 203),
Eagle Butte, SD
Tuesday, May 20, 2014@5:30 PM
Meeting called to order by
Charles Shupick at 5:34 p.m.
Roll Call:
Charles Shupick, President P
Donita Fischer, Vice President P
Holly Annis P
Wayne Ducheneaux, II A
Tina Neigel P
Kirby Peterson P
Sammi Ducheneaux P
Staff in Attendance:
Keith Watt, Business Manager P
Carol Veit, Superintendent P
Others: J. Brehmer, P. Lemke,
K. McDaniel, R. Depoy, D. McDaniel,
E. Bogue

I. OFFICIAL BUSINESS

1. ADOPTION OF THE AGENDA (with freedom to move within the agenda.)

Motion by D. Fischer, second by T. Neigel to adopt the agenda with freedom to move within. Vote: All present in favor.

2. Executive Session (Personnel/Legal/Student)

Motion by D. Fischer, second by H. Annis to enter executive session for legal

In: 5:35 pm, Out: 6:03: pm, With the following action taken.

Motion by K. Peterson, second by S. Ducheneaux to approve of the School District boundary change between the Dupree and Eagle Butte School Districts.

Vote: All present in favor.

3. Staffing – Computer Tech Position

Motion by H. Annis, second by K. Peterson to approve a contract for Kent Joens as a Computer Tech Administrator. Vote: 4 for, 2 abstain (S. Ducheneaux, D. Fischer), motion carries.

4. Executive Session (Personnel/Legal/Student)

Motion by T. Neigel, second by D. Fischer to enter executive session for personnel discussion. Vote: All present in favor.

In: 6:12 pm, Out: 6:23 pm, with no action taken.

5. Adjournment

Motion by T. Neigel, second by D. Fischer to adjourn at 6:24pm. Vote: All present in favor.

/s/ Keith Watt
Business Manager

Published one time at the total approximate cost of $22.63. -061214

South Dakota Department of Human Services CHOICES

Human Services Program Specialist II
Pierre, SD

The SD Department of Human Services, Division of Developmental Disabilities, is looking for an individual to be responsible for developing and administering human service programs to include determining eligibility for services, approving level of care and funding requests, conducting reviews to ensure compliance with state and federal rules and regulations, and providing training and technical assistance. This position works directly with Community Support Providers and an Intermediate Care Facility to ensure the health, safety and welfare of program participants. Bachelor's degree preferred. Minimum salary $1800.89 semimonthly. DOE. Closes 6/30/14. For more information and to apply, please go to http://bhr.sd.gov/workforce, and reference Job ID #3229. An Equal Opportunity Employer.

Job Opening
for a Truck Driver/ Mill Operator

Applicant must have:
- CDL
- Agricultural Background is Prefered
- Be willing and able to pass a drug test upon hiring
- No Fear of Heights
- Be able to lift at least 50lbs
- Salary will depend on experience

Duties include delivering feed to ranches, operating the feed mill, maintenance and upkeep of trucks and mill, operating the point of sale (till), work with customers, and other various duties as assigned

Closing date for applications is 6/27/14
Start date 7/14/15

Applications can be picked up at the Eagle Butte Co-op Feed Store
For more information contact Boyd Stambach at 964-2225

City of Eagle Butte Utility Office

(605) 964-8784

Minimum Bill:

$30.00 Water + $22.00 Sewer = $52.00

Beginning June 1, 2012

(for May 2012 consumption)

The rate charge for the City of Eagle Butte Water Department shall be as follows:

Gals.	Total	Gals.	Total
4,000	$30.00	16,000	$106.20
5,000	$36.35	17,000	$112.55
6,000	$42.70	18,000	$118.90
7,000	$49.05	19,000	$125.25
8,000	$55.40	20,000	$131.60
9,000	$61.75	21,000	$137.95
10,000	$68.10	22,000	$144.30
11,000	$74.45	23,000	$150.65
12,000	$80.80	24,000	$157.00
13,000	$87.15	25,000	$163.35
14,000	$93.50	26,000	$169.70
15,000	$99.85	27,000	$176.05

RATES PER UNIT:

1,000 - 4,000 gallons (minimum) ...$30.00
over 4,000 gallons at $6.35 per thousand

The rate charge for the City of Eagle Butte Sewer Department shall be as follows ... $22.00 per unit

City of Eagle Butte Utility Office

(605) 964-8784

Minimum Bill:

$30.00 Water + $19.00 Sewer = $49.00

Beginning January 1, 2012

(for December 2011 consumption)

The rate charge for the City of Eagle Butte Water Department shall be as follows:

Gals.	Total	Gals.	Total
4,000	$30.00	16,000	$106.20
5,000	$36.35	17,000	$112.55
6,000	$42.70	18,000	$118.90
7,000	$49.05	19,000	$125.25
8,000	$55.40	20,000	$131.60
9,000	$61.75	21,000	$137.95
10,000	$68.10	22,000	$144.30
11,000	$74.45	23,000	$150.65
12,000	$80.80	24,000	$157.00
13,000	$87.15	25,000	$163.35
14,000	$93.50	26,000	$169.70
15,000	$99.85	27,000	$176.05

RATES PER UNIT:

1,000 - 4,000 gallons (minimum) ...$30.00
over 4,000 gallons at $6.35 per thousand

The rate charge for the City of Eagle Butte Sewer Department shall be as follows ... $19.00 per unit

June 4, 2014

Marlene Knutson
Central South Dakota Enhancement District
PO Box 220
3431 Airport Road, Suite 3
Pierre, SD 57501

RE: 2015 Street and Utility Improvements
Eagle Butte, South Dakota
DGR Project No. 664320

Dear Marlene:

The City of Eagle Butte is intending to request additional funding through the SD DENR to continue through with their proposed projects during the 2015 construction season. We have recently discussed several aspects of the project, to include potential funding sources and the appropriate processes to achieve the ultimate goal of completing each of the corresponding components.

As you were aware, the City was originally awarded funding through the SD DENR's Clean Water and Drinking Water funds, but after some deliberation, turned back the Clean Water funds and expanded their project scope. They then pursued funding through USDA Rural Development, which delayed the project, only to find out that they would not be awarded. As such, the City is requesting your assistance in submitting appropriate applications through the DENR to fund the project for 2015 construction. The following list is a scope of each component of the project and the associated estimated cost (the numbers correspond with the enclosed map):

1. Sycamore Street Water & Sanitary Sewer

This portion of the 2015 Utility Improvement & Street Resurfacing project includes approximately 1720 LF of 6" water main and 1360 LF of 8" gravity sanitary sewer main from North 212 to the south. Included within the project are 9 water service and sewer service connections into the existing properties. The utility improvements would provide the city residents with connections into the City's municipal water and sewer systems. Once the utilities are complete, Sycamore Street will be resurfaced with salvaged asphalt millings.
Total Cost: $958,000

2. Highway 212 and Bringman Street Water & Sanitary Sewer

This portion of the 2015 Utility Improvements & Street Resurfacing project includes approximately 4300 LF of 6" water main, 1440 LF of 4" sanitary sewer force main and 1500 LF of 8" gravity sanitary sewer main. A lift station will be constructed to transfer sanitary sewer from the Bringman Street area into the Sycamore Street gravity sanitary sewer main. Included within the project are 22 water service and sewer service connections into the existing properties. The utility improvements would provide the city residents with connections into the City's municipal water and sewer systems. A total of 850 LF of horizontal boring underneath and adjacent to HWY 212 is necessary to complete the utility improvements. Once the utility improvements are complete, Bringman Street will be resurfaced with salvaged gravel surfacing.
Total Cost: $1,426,000

3. Prairie Road Sewer

This portion of the 2015 Utility Improvements & Street Resurfacing project includes approximately 900 LF of 8" gravity sanitary sewer main. The proposed sanitary sewer will be an extension of the existing line to provide sewer service to four properties within the city limits along the north side of Prairie Road on the east end.
Total Cost: $120,000

4. Brotsky Drainage

This portion of the 2015 Utility Improvements & Street Resurfacing project includes approximately 400 SF of concrete drain pan to allow discharged water from the city storm sewer system to travel across private property and minimize flooding and property damage.
Total Cost: $10,000

5. Willow Street & Pioneer Avenue

This portion of the 2015 Utility Improvement & Street Resurfacing project includes removal of existing storm sewer inlets and piping, and installation of new storm sewer inlets and piping. The proposed inlets and piping will allow more water from storm runoff and will minimize the pooling of water at the adjacent property owners lot. The proposed improvements will also minimize the inflow of the sanitary sewer system during large rainfall events when water is unable to get into the storm sewer system and causes localized flooding.
Total Cost: $41,000

6. Shupick Park Sanitary & Storm Sewer

This portion of the 2015 Utility Improvements & Street Resurfacing project includes approximately 570 LF of 48" RCP storm sewer northwest though Shupick Park, and replacing an eroded sanitary sewer manhole. The storm sewer extension will allow the city to utilize the park space efficiently, reduce safety concerns, and reduce park maintenance. To the north of the park adjacent to the waste water treatment facility, there are two corroded manholes that need to be rehabilitated, one manhole that needs to be replaced, and one manhole junction box that needs to be rehabilitated.
Total Cost: $282,000

7. Shupick Park Water Main

This portion of the 2015 Utility Improvements & Street Resurfacing project includes approximately 1300 LF of 6" water main from the south to north, through the park. The water main extension will provide a loop in the system and irrigation lines to provide water for the adjacent baseball fields.
Total Cost: $130,000

8. Main Street Water Main and Street Resurfacing

This portion of the 2015 Utility Improvement & Street Resurfacing project includes approximately 2360 LF of 6" & 8" water main along Main Street from Landmark Ave to Frontier Street. Included in this component of the project is approximately 11,760 SY of asphalt millings and new asphalt overlay. The water main improvements will replace an existing AC pipe and the existing services will be reconnected to the 35 businesses along Main Street.
Total Cost: $1,416,000

9. Prairie Road Street Reconstruction

This portion of the 2015 Utility Improvement & Street Resurfacing project includes reconstruction of Prairie Road from Willow Street to Main Street. The existing road will be full depth asphalt milled and reconstructed with approximately 1060 ton of new asphalt pavement will be placed over 1090 tons of aggregate base course.
Total Cost: $296,000

10. Liquor Store Site Improvements

This portion of the 2015 Utility Improvement & Street Resurfacing project includes site improvements to the existing Liquor store. Improvements include new concrete, curb and gutter, a fenced in loading ramp and dumpster pad, and hand railing along the proposed sidewalk ramp. This component is not eligible for any DENR funding.
Total Cost: $72,000

11. Waste Water Treatment Facility Improvements

This project will involve removal of sludge in the primary holding cell, installation of inlet piping near the center of the inlet cove to improve natural mixing and distribution of wastewater, installation of floating aerators in the primary holding cell to provide supplemental air to aid in the treatment of wastewater, and larger transfer piping installation to facilitate transfer of wastewater between cells. The proposed improvements are expected to reduce the invasive odors emanating from the lagoons.
Total Cost: $895,000

The enclosed map depicts a graphical representation of the project components outlined above, and the cost estimates, also enclosed, break out the projects by phase, and appropriate funding source. We trust this information will assist with the preparation of the funding applications and further facilitate the proposed improvements critical the health, welfare, and quality of life of the Eagle Butte residents.

Please feel free to contact us with questions or the need for additional information.

Sincerely,

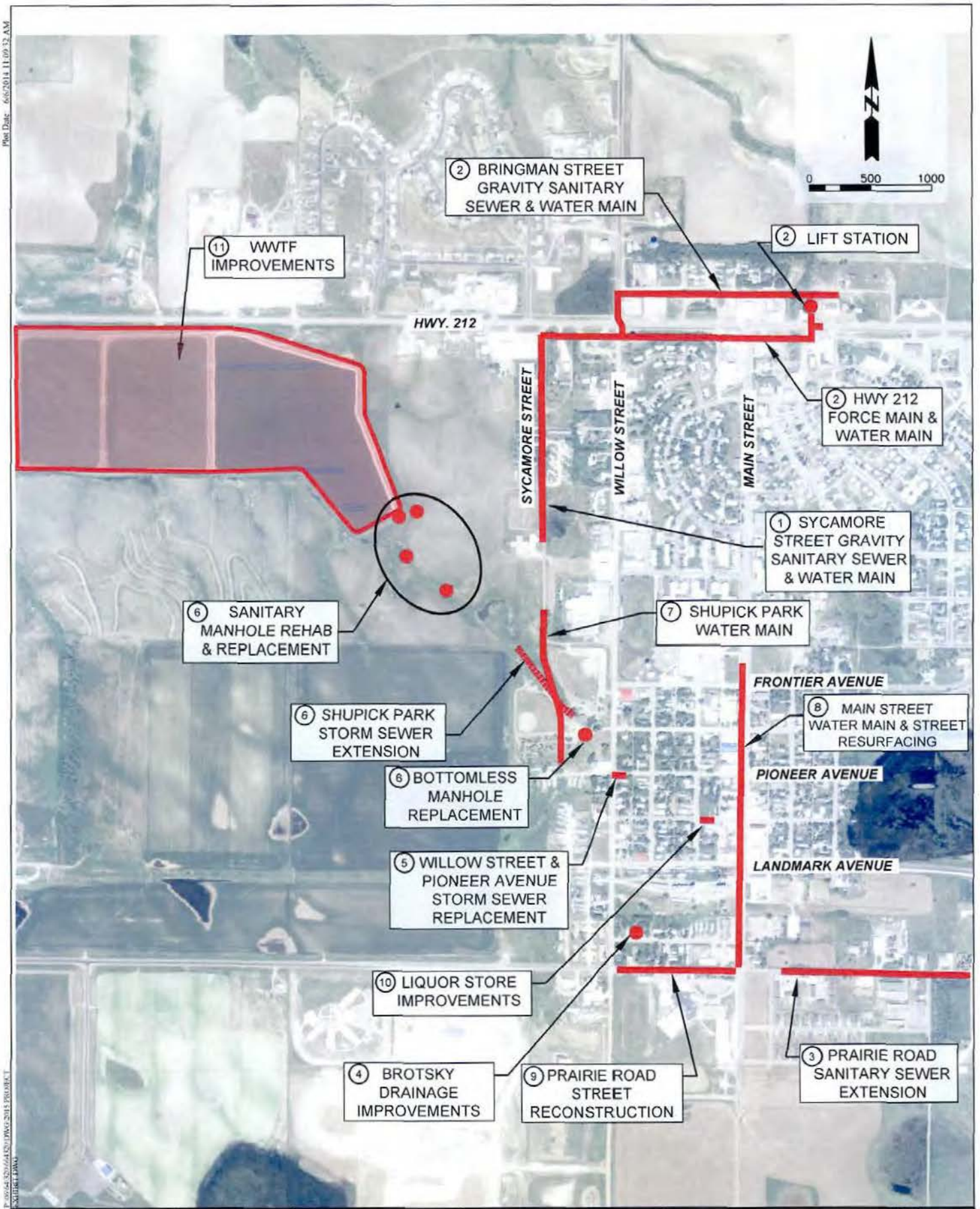
DGR Engineering

Trent Bruce

TEB/mlb

cc: Sheila Ganje, City of Eagle Butte
Jim Anderson, SDDENR

Enclosures



REV	DATE	DESCRIPTION

DGR ENGINEERING

Project Manager: TEB
Designer: JJM
Project Number: 664320
Phone: (605) 339-4157

2015 UTILITY IMPROVEMENTS EAGLE BUTTE, SD

2015 UTILITY IMPROVEMENTS PROJECT OVERVIEW

EXHIBIT A

PRELIMINARY PROJECT COST ESTIMATE SUMMARY
2015 UTILITY IMPROVEMENTS AND STREET RESURFACING PROJECT

Eagle Butte, SD
Prepared by DGR Engineering
May 28, 2014

	Water DENR DW Eligible	Sanitary Sewer DENR CW Eligible	Storm Sewer DENR CW Eligible	Street Resurfacing Comm. Access Eligible	Ineligible Expenses Local Funding	TOTALS
Schedule 1:						
Phase 1A:	$772,000	$0	$54,000	$349,000	$313,000	$1,488,000
Phase 1B:	$0	$0	$0	$296,000	$0	$296,000
Total:	**$772,000**	**$0**	**$54,000**	**$645,000**	**$313,000**	**$1,784,000**
Schedule 2:						
Phase 2A:	$1,049,000	$1,666,000	$252,000	$0	$0	$2,967,000
Total:	**$1,049,000**	**$1,666,000**	**$252,000**	**$0**	**$0**	**$2,967,000**
Lagoons:						
Phase 3A:	$0	$895,000	$0	$0	$0	$895,000
Total:	**$0**	**$895,000**	**$0**	**$0**	**$0**	**$895,000**
Grand Totals:	**$1,821,000**	**$2,561,000**	**$306,000**	**$645,000**	**$313,000**	**$5,646,000**
% of Total	32%	45%	5%	11%	6%	

*Note: The Design Engineering for all Schedules/Phases has been addressed as part of previous funding packages. The City has an existing DW02 funding package with approximately $1,100,000 of remaining funds available for DW eligible expenses.

PRELIMINARY PROJECT COST ESTIMATE
2015 UTILITY IMPROVEMENTS & STREET RESURFACING - EAGLE BUTTE, SD
Schedule 1 - Main Street and Prairie Road

Prepared by DGR Engineering
May 28, 2014

ITEM NO	ITEM DESCRIPTION	UNIT PRICE	TOTAL PROJECT QTY	TOTAL PROJECT TOTAL	PHASE 1A Main Street: Drinking Water (DW02) SRF Eligible QTY	TOTAL	Community Access Grant QTY	TOTAL	Storm Sewer QTY	TOTAL	Ineligible (100% City) QTY	TOTAL	PHASE 1B Prairie Road: Community Access Grant QTY	TOTAL
	GENERAL & STREET IMPROVEMENTS													
1	Mobilization	$160,000.00 | L.S.	1	$ 160,000.00	0.44	$ 70,400.00	0.19	$ 30,400.00	0.03	$ 4,800.00	0.18	$ 28,800.00	0.16	$ 25,600.00
2	Remove, Sawcut, & Dispose of Pavement	$ 15.00 | SQYD	6,380	$ 95,700.00	4,088	$ 61,320.00	240	$ 3,600.00	12	$ 180.00	1,830	$ 27,450.00	210	$ 3,150.00
3	Remove & Reset Fence & Posts	$ 10.00 | L.FT	135	$ 1,350.00	-	$ -	-	$ -	135	$ 1,350.00	-	$ -	-	$ -
4	Remove Drop Inlet	$ 250.00 | EACH	2	$ 500.00	-	$ -	-	$ -	2	$ 500.00	-	$ -	-	$ -
5	Remove Pipe Culvert	$ 10.00 | L.FT	122	$ 1,220.00	-	$ -	-	$ -	122	$ 1,220.00	-	$ -	-	$ -
6	Remove Existing Retaining Wall	$ 40.00 | L.FT	65	$ 2,600.00	-	$ -	-	$ -	-	$ -	65	$ 2,600.00	-	$ -
7	Remove and Reset Sign	$ 250.00 | EACH	2	$ 500.00	-	$ -	2	$ 500.00	-	$ -	-	$ -	-	$ -
8	Clear & Grub Tree	$ 400.00 | EACH	1	$ 400.00	-	$ -	-	$ -	-	$ -	1	$ 400.00	-	$ -
9	Traffic Control	$ 30,000.00 | L.S.	1	$ 30,000.00	0.44	$ 13,200.00	0.19	$ 5,700.00	0.0	$ 900.00	0.18	$ 5,400.00	0.16	$ 4,800.00
10	Incidental Work (Grading)	$ 20,000.00 | L.S.	1	$ 20,000.00	0.60	$ 12,000.00	0.10	$ 2,000.00	-	$ -	-	$ -	0.30	$ 6,000.00
11	Incidental Work (Utilities)	$ 10,000.00 | L.S.	1	$ 10,000.00	1	$ 10,000.00	-	$ -	-	$ -	-	$ -	-	$ -
12	Haul & Dispose of Contaminated Soils	$ 50.00 | CUYD	100	$ 5,000.00	100	$ 5,000.00	-	$ -	-	$ -	-	$ -	-	$ -
13	Unclassified Excavation	$ 15.00 | CUYD	1,400	$ 21,000.00	400	$ 6,000.00	-	$ -	40	$ 600.00	-	$ -	960	$ 14,400.00
14	Unclassified Excavation - Digouts	$ 10.00 | CUYD	100	$ 1,000.00	50	$ 500.00	-	$ -	-	$ -	-	$ -	50	$ 500.00
15	Water for Embankment	$ 50.00 | MGAL	14	$ 700.00	4	$ 200.00	-	$ -	-	$ -	-	$ -	10	$ 500.00
16	Water for Granular Material	$ 50.00 | MGAL	50	$ 2,500.00	25	$ 1,250.00	10	$ 500.00	-	$ -	-	$ -	15	$ 750.00
17	Water for Vegetation	$ 50.00 | MGAL	22	$ 1,100.00	3	$ 150.00	4	$ 200.00	-	$ -	-	$ -	15	$ 750.00
18	9" Scarify & Recompact	$ 2.00 | SQYD	3,828	$ 7,656.00	3,828	$ 7,656.00	-	$ -	-	$ -	-	$ -	-	$ -
19	Gravel Cushion	$ 25.00 | TON	827	$ 20,675.00	47	$ 1,175.00	55	$ 1,375.00	21	$ 525.00	704	$ 17,600.00	-	$ -
20	Aggregate Base Course	$ 25.00 | TON	2,530	$ 63,250.00	1,402	$ 35,050.00	-	$ -	40	$ 1,000.00	-	$ -	1,088	$ 27,200.00
21	Aggregate Base Course, Salvaged Mix Material	$ 15.00 | TON	1,065	$ 15,975.00	-	$ -	1,065	$ 15,975.00	-	$ -	-	$ -	-	$ -
22	Salvage & Stockpile Asphalt Mix Material	$ 5.00 | TON	2,834	$ 14,170.00	-	$ -	1,958	$ 9,790.00	-	$ -	-	$ -	876	$ 4,380.00
23	Gravel Surfacing	$ 25.00 | TON	90	$ 2,250.00	-	$ -	90	$ 2,250.00	-	$ -	-	$ -	-	$ -
24	PG 64-28 Asphalt Binder	$ 820.00 | TON	207	$ 169,740.00	80	$ 65,600.00	62	$ 50,840.00	2	$ 1,640.00	-	$ -	63	$ 51,660.00
25	Cold Milling Asphalt Concrete - Full Depth	$ 4.00 | SQYD	3,157	$ 12,628.00	-	$ -	-	$ -	-	$ -	-	$ -	3,157	$ 12,628.00
26	Cold Milling Asphalt Concrete - Depth Varies	$ 3.00 | SQYD	11,762	$ 35,286.00	-	$ -	11,762	$ 35,286.00	-	$ -	-	$ -	-	$ -
27	Class E Asphalt Concrete	$ 70.00 | TON	3,224	$ 225,680.00	1,243	$ 87,010.00	970	$ 67,900.00	14	$ 980.00	-	$ -	997	$ 69,790.00
28	Asphalt Concrete Leveling Lift	$ 70.00 | TON	100	$ 7,000.00	50	$ 3,500.00	50	$ 3,500.00	-	$ -	-	$ -	-	$ -
29	SS-1h or CSS-1h Asphalt for Tack	$ 820.00 | TON	5.30	$ 4,346.00	1.76	$ 1,443.20	2.71	$ 2,222.20	0.03	$ 24.60	-	$ -	0.80	$ 656.00
30	SS-1h or CSS-1h Asphalt for Flush Seal	$ 820.00 | TON	5.28	$ 4,329.60	0.84	$ 688.80	2.71	$ 2,222.20	-	$ -	0.93	$ 762.60	0.80	$ 656.00
31	Sand for Flush Seal	$ 30.00 | TON	92	$ 2,760.00	15	$ 450.00	47	$ 1,410.00	-	$ -	16	$ 480.00	14	$ 420.00
32	Trench Stabilization Material	$ 30.00 | TON	200	$ 6,000.00	200	$ 6,000.00	-	$ -	-	$ -	-	$ -	-	$ -
33	6" Concrete Fillet	$ 80.00 | SQYD	48	$ 3,840.00	10	$ 800.00	28	$ 2,240.00	-	$ -	10	$ 800.00	-	$ -
34	6" Concrete Valley Gutter	$ 80.00 | SQYD	50	$ 4,000.00	50	$ 4,000.00	-	$ -	-	$ -	-	$ -	-	$ -
35	6" Curb and Gutter	$ 30.00 | L.FT	734	$ 22,020.00	160	$ 4,800.00	320	$ 9,600.00	94	$ 2,820.00	160	$ 4,800.00	-	$ -
36	6" Drop Curb	$ 30.00 | L.FT	130	$ 3,900.00	-	$ -	-	$ -	-	$ -	130	$ 3,900.00	-	$ -
37	4" Concrete Sidewalk	$ 6.00 | SQFT	14,960	$ 89,760.00	350	$ 2,100.00	1,020	$ 6,120.00	60	$ 360.00	13,530	$ 81,180.00	-	$ -
38	6" Non Reinforced Concrete	$ 8.00 | SQFT	1,610	$ 12,880.00	-	$ -	-	$ -	-	$ -	1,610	$ 12,880.00	-	$ -
39	6" Concrete Apron	$ 80.00 | SQYD	40	$ 3,200.00	-	$ -	-	$ -	40	$ 3,200.00	-	$ -	-	$ -
40	Detectable Warning Panel	$ 40.00 | SQFT	90	$ 3,600.00	-	$ -	80	$ 3,200.00	-	$ -	10	$ 400.00	-	$ -
41	Modular Block Retaining Wall	$ 80.00 | SQFT	800	$ 64,000.00	-	$ -	-	$ -	-	$ -	800	$ 64,000.00	-	$ -
42	Steel Handrail	$ 45.00 | L.FT	30	$ 1,350.00	-	$ -	-	$ -	-	$ -	30	$ 1,350.00	-	$ -
43	6' Chain Link Fence w/ Privacy Slats	$ 50.00 | L.FT	30	$ 1,500.00	-	$ -	-	$ -	-	$ -	30	$ 1,500.00	-	$ -
44	6' Chain Link Swing Gate w/ Privacy Slats (48")	$ 2,000.00 | EACH	1	$ 2,000.00	-	$ -	-	$ -	-	$ -	1	$ 2,000.00	-	$ -
45	6' Chain Link Swing Gate w/ Privacy Slats (60")	$ 2,500.00 | EACH	2	$ 5,000.00	-	$ -	-	$ -	-	$ -	2	$ 5,000.00	-	$ -
46	24" Arch RCP Class II, F&I	$ 90.00 | L.FT	36	$ 3,240.00	-	$ -	-	$ -	36	$ 3,240.00	-	$ -	-	$ -
47	30" RCP Class II, F&I	$ 85.00 | L.FT	83	$ 7,055.00	-	$ -	-	$ -	83	$ 7,055.00	-	$ -	-	$ -
48	SF10 Type Inlet	$ 2,500.00 | EACH	2	$ 5,000.00	-	$ -	-	$ -	2	$ 5,000.00	-	$ -	-	$ -
49	Type B Inlet	$ 2,000.00 | EACH	2	$ 4,000.00	-	$ -	-	$ -	2	$ 4,000.00	-	$ -	-	$ -
50	Pavement Marking Paint, 4" White	$ 1.00 | L.FT	3,716	$ 3,716.00	-	$ -	3,116	$ 3,116.00	-	$ -	600	$ 600.00	-	$ -
51	Pavement Marking Paint, 4" Yellow	$ 1.00 | L.FT	6,378	$ 6,378.00	-	$ -	3,286	$ 3,286.00	-	$ -	1,136	$ 1,136.00	1,956	$ 1,956.00
52	Pavement Marking Paint, 8" White	$ 1.50 | L.FT	1,470	$ 2,205.00	-	$ -	1,172	$ 1,758.00	-	$ -	216	$ 324.00	82	$ 123.00
53	Pavement Marking Paint, 24" White	$ 2.50 | L.FT	1,210	$ 3,025.00	-	$ -	896	$ 2,240.00	-	$ -	218	$ 545.00	96	$ 240.00
54	Pavement Marking Handicap	$ 250.00 | EACH	5	$ 1,250.00	-	$ -	5	$ 1,250.00	-	$ -	-	$ -	-	$ -
55	Salvage & Replace Topsoil	$ 5.00 | CUYD	275	$ 1,375.00	80	$ 400.00	-	$ -	-	$ -	-	$ -	195	$ 975.00
56	Permanent Seed, Fertilize & Mulch	$ 3,500.00 | ACRE	0.7	$ 2,450.00	0.10	$ 350.00	0.10	$ 350.00	0.20	$ 700.00	-	$ -	0.30	$ 1,050.00
57	Temporary Low Flow Silt Fence	$ 5.00 | L.FT	40	$ 200.00	-	$ -	-	$ -	20.00	$ 100.00	-	$ -	20	$ 100.00
58	Inlet Protection	$ 250.00 | EACH	15	$ 3,750.00	9	$ 2,250.00	-	$ -	3	$ 750.00	-	$ -	3	$ 750.00
59	Vehicle Tracking Control	$ 250.00 | EACH	3	$ 750.00	2	$ 500.00	-	$ -	-	$ -	-	$ -	1	$ 250.00
60	Verify & Locate Utility	$ 500.00 | EACH	5	$ 2,500.00	5	$ 2,500.00	-	$ -	-	$ -	-	$ -	-	$ -

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	TOTAL PROJECT QTY	TOTAL PROJECT TOTAL	Main Street: Drinking Water (DW02) SRF Eligible QTY	Drinking Water (DW02) SRF Eligible TOTAL	Community Access Grant QTY	Community Access Grant TOTAL	Storm Sewer QTY	Storm Sewer TOTAL	Ineligible (100% City) QTY	Ineligible (100% City) TOTAL	Prairie Road: Community Access Grant QTY	Community Access Grant TOTAL
	WATER MAIN IMPROVEMENTS													
61	6" C900 DR18 PVC Water Main	$ 25.00 | L.FT	171	$ 4,275.00	171	$ 4,275.00	-	$ -	-	$ -	-	$ -	-	$ -
62	8" C900 DR18 PVC Water Main	$ 30.00 | L.FT	2,191	$ 65,730.00	2,191	$ 65,730.00	-	$ -	-	$ -	-	$ -	-	$ -
63	8" MJ Gate Valve with Box	$ 1,600.00 | EACH	9	$ 14,400.00	9	$ 14,400.00	-	$ -	-	$ -	-	$ -	-	$ -
64	6" MJ 90° Bend	$ 400.00 | EACH	10	$ 4,000.00	10	$ 4,000.00	-	$ -	-	$ -	-	$ -	-	$ -
65	8" MJ 90° Bend	$ 500.00 | EACH	2	$ 1,000.00	2	$ 1,000.00	-	$ -	-	$ -	-	$ -	-	$ -
66	6"x6" MJ Tee	$ 650.00 | EACH	4	$ 2,600.00	4	$ 2,600.00	-	$ -	-	$ -	-	$ -	-	$ -
67	8"x8" MJ Tee	$ 700.00 | EACH	2	$ 1,400.00	2	$ 1,400.00	-	$ -	-	$ -	-	$ -	-	$ -
68	8"x8" MJ Cross	$ 1,000.00 | EACH	1	$ 1,000.00	1	$ 1,000.00	-	$ -	-	$ -		$ -		$ -
69	8"x6" MJ Reducer	$ 400.00 | EACH	6	$ 2,400.00	6	$ 2,400.00	-	$ -	-	$ -	-	$ -	-	$ -
70	6" MJ Long Sleeve	$ 350.00 | EACH	6	$ 2,100.00	6	$ 2,100.00	-	$ -	-	$ -	-	$ -	-	$ -
71	Connect to Existing Water Main	$ 1,000.00 | EACH	6	$ 6,000.00	6	$ 6,000.00	-	$ -	-	$ -	-	$ -	-	$ -
72	Temporary Water Service	$ 30,000.00 | L.S.	1	$ 30,000.00	1	$ 30,000.00	-	$ -	-	$ -	-	$ -	-	$ -
73	Remove and Salvage Existing Fire Hydrant	$ 500.00 | EACH	4	$ 2,000.00	4	$ 2,000.00	-	$ -	-	$ -	-	$ -	-	$ -
74	Standard Fire Hydrant	$ 3,000.00 | EACH	4	$ 12,000.00	4	$ 12,000.00	-	$ -	-	$ -	-	$ -	-	$ -
75	Connect to Existing Water Service	$ 1,000.00 | EACH	35	$ 35,000.00	35	$ 35,000.00	-	$ -	-	$ -	-	$ -	-	$ -
76	Pipe Bollards	$ 500.00 | EACH	8	$ 4,000.00	8	$ 4,000.00	-	$ -	-	$ -	-	$ -	-	$ -
		Construction Subtotal		$ 1,397,164.60		$ 594,108.00		$ 268,830.40		$ 40,944.60		$ 263,907.60		$ 229,284.00
		Contingencies (10%)		$ 114,835.40		$ 59,892.00		$ 26,169.60		$ 4,055.40		$ 2,092.40		$ 22,716.00
		Estimated Construction Total:		**$ 1,512,000.00**		**$ 654,000.00**		**$ 295,000.00**		**$ 45,000.00**		**$ 266,000.00**		**$ 252,000.00**
		Engineering & Administration Fees (8%)		$ 121,000.00		$ 52,000.00		$ 24,000.00		$ 4,000.00		$ 21,000.00		$ 20,000.00
		Geotechnical Services (2%)		$ 30,000.00		$ 13,000.00		$ 6,000.00		$ 1,000.00		$ 5,000.00		$ 5,000.00
		Admin/Legal (2%)		$ 30,000.00		$ 13,000.00		$ 6,000.00		$ 1,000.00		$ 5,000.00		$ 5,000.00
		Financing (5%)		$ 75,000.00		$ 33,000.00		$ 15,000.00		$ 2,000.00		$ 13,000.00		$ 12,000.00
		Miscellaneous (1%)		$ 16,000.00		$ 7,000.00		$ 3,000.00		$ 1,000.00		$ 3,000.00		$ 2,000.00
		ESTIMATED TOTAL PROJECT:		**$1,784,000.00**		**$772,000.00**		**$349,000.00**		**$54,000.00**		**$313,000.00**		**$296,000.00**

PRELIMINARY PROJECT COST ESTIMATE
2015 UTILITY IMPROVEMENTS - EAGLE BUTTE, SD
Schedule II - Sycamore Street, Highway 212, & Bringman Street, Prairie Road & Shupick Park

Prepared by DGR Engineering
May 28, 2014

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE		TOTAL PROJECT QTY	TOTAL PROJECT TOTAL	Water Main QTY	Water Main TOTAL	Sanitary Sewer QTY	Sanitary Sewer TOTAL	Storm Sewer QTY	Storm Sewer TOTAL
	GENERAL & STREET IMPROVEMENTS										
1	Mobilization	$ 300,000.00	L.S.	1	$ 300,000.00	0.35	$ 105,000.00	0.56	$ 168,000.00	0.09	$ 27,000.00
2	Remove, Sawcut, & Dispose of Pavement	$ 15.00	SQYD	970	$ 14,550.00	275	$ 4,125.00	695	$ 10,425.00	-	$ -
3	Remove, Salvage and Reset Fence & Posts	$ 10.00	LFT	380	$ 3,800.00	190	$ 1,900.00	190	$ 1,900.00	-	$ -
4	Remove Pipe Culvert	$ 10.00	LFT	228	$ 2,280.00	114	$ 1,140.00	114	$ 1,140.00	-	$ -
5	Remove Sanitary Manhole	$ 500.00	EACH	2	$ 1,000.00	-	$ -	2	$ 1,000.00	-	$ -
6	Remove & Reset 48" RCP Flared End	$ 2,000.00	EACH	1	$ 2,000.00	-	$ -	-	$ -	1	$ 2,000.00
7	Remove and Reset Sign	$ 250.00	EACH	1	$ 250.00	0.50	$ 125.00	0.5	$ 125.00		$ -
8	Clearing	$ 10,000.00	L.S.	1	$ 10,000.00	0.4	$ 4,000.00	0.3	$ 3,000.00	0.3	$ 3,000.00
9	Clear & Grub Tree	$ 400.00	L.S.	8	$ 3,200.00	2	$ 800.00	2	$ 800.00	4	$ 1,600.00
10	Traffic Control	$ 10,000.00	L.S.	1	$ 10,000.00	0.35	$ 3,500.00	0.56	$ 5,600.00	0.09	$ 900.00
11	Incidental Work (Grading)	$ 5,000.00	L.S.	1	$ 5,000.00	0.45	$ 2,250.00	0.45	$ 2,250.00	0.10	$ 500.00
12	Incidental Work (Utilities)	$ 35,000.00	L.S.	1	$ 35,000.00	0.5	$ 17,500.00	0.5	$ 17,500.00	-	$ -
13	Unclassified Excavation	$ 10.00	CUYD	2,760	$ 27,600.00	380	$ 3,800.00	380	$ 3,800.00	2,000	$ 20,000.00
14	Unclassified Excavation - Digouts	$ 8.00	CUYD	100	$ 800.00	50	$ 400.00	50	$ 400.00	-	$ -
15	Water for Embankment	$ 50.00	M.GAL	16	$ 800.00	8	$ 400.00	8	$ 400.00	-	$ -
16	Water for Granular Material	$ 50.00	M.GAL	4	$ 200.00	2	$ 100.00	2	$ 100.00	-	$ -
17	Water for Vegetation	$ 50.00	M.GAL	460	$ 23,000.00	165	$ 8,250.00	165	$ 8,250.00	130	$ 6,500.00
18	*9" Scarify & Recompact*	$ 2.00	SQYD	8,000	$ 16,000.00	4,000	$ 8,000.00	4,000	$ 8,000.00	-	$ -
19	Gravel Cushion	$ 30.00	TON	36	$ 1,080.00	18	$ 540.00	18	$ 540.00	-	$ -
20	Gravel Surfacing, Salvaged & Placed	$ 10.00	TON	380	$ 3,800.00	125	$ 1,250.00	125	$ 1,250.00	130	$ 1,300.00
21	Gravel Surfacing	$ 30.00	TON	3,500	$ 105,000.00	1,750	$ 52,500.00	1,750	$ 52,500.00	-	$ -
22	Aggregate Base Course	$ 30.00	TON	210	$ 6,300.00	30	$ 900.00	180	$ 5,400.00	-	$ -
23	City Furnished Asphalt Millings	$ 5.00	SQYD	5,650	$ 28,250.00	2,825	$ 14,125.00	2,825	$ 14,125.00	-	$ -
24	Asphalt Concrete for Patching	$ 150.00	TON	144	$ 21,600.00	22	$ 3,300.00	122	$ 18,300.00	-	$ -
25	Trench Stabilization Material	$ 30.00	TON	400	$ 12,000.00	175	$ 5,250.00	225	$ 6,750.00	-	$ -
26	Class A Rip Rap	$ 40.00	TON	40	$ 1,600.00	-	$ -	-	$ -	40	$ 1,600.00
27	Type B Drainage Fabric	$ 5.00	SQYD	35	$ 175.00	-	$ -	-	$ -	35	$ 175.00
28	6" PCC Approach Pavement	$ 80.00	SQYD	32	$ 2,560.00	16	$ 1,280.00	16	$ 1,280.00	-	$ -
29	6" Concrete Fillet	$ 80.00	SQYD	15	$ 1,200.00	7.5	$ 600.00	7.5	$ 600.00	-	$ -
30	6" Concrete Valley Gutter	$ 80.00	SQYD	16	$ 1,280.00	8	$ 640.00	8.0	$ 640.00	-	$ -
31	4" Concrete Sidewalk	$ 6.00	SQFT	1,190	$ 7,140.00	595	$ 3,570.00	595	$ 3,570.00	-	$ -
32	12" CMP 16 Gauge, F&I	$ 30.00	LFT	26	$ 780.00	13	$ 390.00	13	$ 390.00	-	$ -
33	18" CMP 16 Gauge, F&I	$ 35.00	LFT	172	$ 6,020.00	86.0	$ 3,010.00	86	$ 3,010.00	-	$ -
34	24" CMP 16 Gauge, F&I	$ 40.00	LFT	36	$ 1,440.00	18.0	$ 720.00	18	$ 720.00	-	$ -
35	12" CMP Flared End, F&I	$ 250.00	EACH	2	$ 500.00	1	$ 250.00	1	$ 250.00	-	$ -
36	18" CMP Flared End, F&I	$ 325.00	EACH	4	$ 1,300.00	2	$ 650.00	2	$ 650.00	-	$ -
37	24" CMP Flared End, F&I	$ 400.00	EACH	1	$ 400.00	0.5	$ 200.00	0.5	$ 200.00	-	$ -
38	48" RCP Class II, F&I	$ 200.00	LFT	568	$ 113,600.00	-	$ -	-	$ -	568	$ 113,600.00
39	Storm Sewer Catch Basin/ Drop Structure	$ 5,000.00	EACH	1	$ 5,000.00	-	$ -	-	$ -	1	$ 5,000.00
40	Connect to Existing Storm Sewer	$ 1,000.00	EACH	1	$ 1,000.00	0.5	$ 500.00	0.5	$ 500.00	-	$ -
41	Salvage & Replace Topsoil	$ 5.00	CUYD	3,170	$ 15,850.00	1,225	$ 6,125.00	1,225	$ 6,125.00	720	$ 3,600.00
42	Permanent Seed, Fertilize & Mulch	$ 3,500.00	ACRE	7.4	$ 25,900.00	3.3	$ 11,550.00	2.3	$ 8,050.00	1.8	$ 6,300.00
43	Temporary Low Flow Silt Fence	$ 5.00	LFT	280	$ 1,400.00	30	$ 150.00	30	$ 150.00	220	$ 1,100.00
44	Inlet Protection	$ 250.00	EACH	22	$ 5,500.00	10	$ 2,500.00	12	$ 3,000.00	-	$ -
45	Vehicle Tracking Control	$ 250.00	EACH	3	$ 750.00	1	$ 250.00	2	$ 500.00	-	$ -
46	9" Erosion Control Wattle	$ 10.00	LFT	100	$ 1,000.00	50	$ 500.00	50	$ 500.00	-	$ -
47	Verify & Locate Utility	$ 500.00	EACH	20	$ 10,000.00	10	$ 5,000.00	10	$ 5,000.00	-	$ -
	SEWER MAIN IMPROVEMENTS										
48	4" C900 DR18 PVC Force Main	$ 35.00	LFT	2,195	$ 76,825.00	-	$ -	2,195	$ 76,825.00	-	$ -
49	8" SRD26 Sanitary Sewer Main	$ 50.00	LFT	4,812	$ 240,600.00	-	$ -	4,812	$ 240,600.00	-	$ -
50	6" PVC Cleanout	$ 250.00	EACH	2	$ 500.00	-	$ -	2	$ 500.00	-	$ -
51	4" MJ 90° Bend	$ 200.00	EACH	2	$ 400.00	-	$ -	2	$ 400.00	-	$ -
52	4" PVC Cap	$ 150.00	EACH	27	$ 4,050.00	-	$ -	27	$ 4,050.00	-	$ -
53	6" PVC Cap	$ 200.00	EACH	15	$ 3,000.00	-	$ -	15	$ 3,000.00	-	$ -
54	8" PVC Cap	$ 300.00	EACH	1	$ 300.00	-	$ -	1	$ 300.00	-	$ -
55	4" Sanitary Sewer Service	$ 25.00	LFT	1,054	$ 26,350.00	-	$ -	1,054	$ 26,350.00	-	$ -
56	6" Sanitary Sewer Service	$ 25.00	LFT	978	$ 24,450.00	-	$ -	978	$ 24,450.00	-	$ -
57	8"x4" Sewer Wye	$ 300.00	EACH	27	$ 8,100.00	-	$ -	27	$ 8,100.00	-	$ -
58	8"x6" Sewer Wye	$ 300.00	EACH	15	$ 4,500.00	-	$ -	15	$ 4,500.00	-	$ -
59	Connect to Existing Sanitary Sewer Service	$ 1,000.00	EACH	37	$ 37,000.00	-	$ -	37	$ 37,000.00	-	$ -
60	Remove/Abandon Septic Tank	$ 750.00	EACH	29	$ 21,750.00	-	$ -	29	$ 21,750.00	-	$ -
61	48" Lined Sanitary Manhole w/Frame & Lid	$ 7,500.00	EACH	18	$ 135,000.00	-	$ -	18	$ 135,000.00	-	$ -
62	Manhole Rehabilitation	$ 4,000.00	EACH	3	$ 12,000.00	-	$ -	3	$ 12,000.00	-	$ -
63	Sanitary Sewer Drop Section	$ 1,500.00	EACH	1	$ 1,500.00	-	$ -	1	$ 1,500.00	-	$ -
64	Air Release Valve & Assembly	$ 5,000.00	EACH	1	$ 5,000.00	-	$ -	1	$ 5,000.00	-	$ -
65	10" Casing Pipe	$ 50.00	LFT	420	$ 21,000.00	-	$ -	420	$ 21,000.00	-	$ -

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	TOTAL PROJECT QTY	TOTAL PROJECT TOTAL	Water Main QTY	Water Main TOTAL	Sanitary Sewer QTY	Sanitary Sewer TOTAL	Storm Sewer QTY	Storm Sewer TOTAL
66	10" Boring	$ 75.00 | LFT	420	$ 31,500.00	-	$ -	420	$ 31,500.00	-	$ -
67	Bore Obstruction	$ 500.00 | EACH	1	$ 500.00	-	$ -	1	$ 500.00	-	$ -
68	4" C900 Joint Restrained Force Main	$ 30.00 | LFT	420	$ 12,600.00	-	$ -	420	$ 12,600.00	-	$ -
69	Connect to Existing Sanitary Sewer	$ 1,000.00 | EACH	6	$ 6,000.00	-	$ -	6	$ 6,000.00	-	$ -
70	Sanitary Sewer Bypass Pumping	$ 5,000.00 | L.S.	1	$ 5,000.00	-	$ -	1.0	$ 5,000.00	-	$ -
71	Sanitary Sewer Lift Station	$ 160,000.00 | L.S.	1	$ 160,000.00	-	$ -	1	$ 160,000.00	-	$ -
72	Electrical Control Panel & Generator	$ 75,000.00 | L.S.	1	$ 75,000.00	-	$ -	1	$ 75,000.00	-	$ -
73	16' Swing Gate w/Barbed Top	$ 1,000.00 | EACH	2	$ 2,000.00	-	$ -	2	$ 2,000.00	-	$ -
74	6' Chain Link Fence w/Barbed Top	$ 30.00 | LFT	68	$ 2,040.00	-	$ -	68	$ 2,040.00	-	$ -
	WATER MAIN IMPROVEMENTS									
75	6" C900 DR18 PVC Water Main	$ 30.00 | LFT	9,170	$ 275,100.00	9,170	$ 275,100.00	-	$ -	-	$ -
76	12" C900 DR18 PVC Water Main	$ 50.00 | LFT	30	$ 1,500.00	30	$ 1,500.00	-	$ -	-	$ -
77	6" MJ Gate Valve w/ Box	$ 1,000.00 | EACH	20	$ 20,000.00	20	$ 20,000.00	-	$ -	-	$ -
78	6" MJ 11 1/4" Bend	$ 400.00 | EACH	2	$ 800.00	2	$ 800.00	-	$ -	-	$ -
79	6" MJ 45° Bend	$ 400.00 | EACH	2	$ 800.00	2	$ 800.00	-	$ -	-	$ -
80	6" MJ 90° Bend	$ 400.00 | EACH	6	$ 2,400.00	6	$ 2,400.00	-	$ -	-	$ -
81	6"x6" MJ Tee	$ 500.00 | EACH	24	$ 12,000.00	24	$ 12,000.00	-	$ -	-	$ -
82	6" MJ Long Sleeve	$ 350.00 | EACH	2	$ 700.00	2	$ 700.00	-	$ -	-	$ -
83	6" MJ Cap	$ 200.00 | EACH	5	$ 1,000.00	5	$ 1,000.00	-	$ -	-	$ -
84	12" MJ Cap	$ 450.00 | EACH	2	$ 900.00	2	$ 900.00	-	$ -	-	$ -
85	1" Water Service Corp Stop w/Saddle	$ 220.00 | EACH	19	$ 4,180.00	19	$ 4,180.00	-	$ -	-	$ -
86	2" Water Service Corp Stop w/Saddle	$ 300.00 | EACH	13	$ 3,900.00	13	$ 3,900.00	-	$ -	-	$ -
87	1" Curb Stop w/Box	$ 185.00 | EACH	19	$ 3,515.00	19	$ 3,515.00	-	$ -	-	$ -
88	2" Curb Stop w/Box	$ 250.00 | EACH	13	$ 3,250.00	13	$ 3,250.00	-	$ -	-	$ -
89	1" Water Service	$ 13.00 | LFT	750	$ 9,750.00	750	$ 9,750.00	-	$ -	-	$ -
90	2" Water Service	$ 20.00 | LFT	500	$ 10,000.00	500	$ 10,000.00	-	$ -	-	$ -
91	Connect to Existing Water Service	$ 1,000.00 | EACH	32	$ 32,000.00	32	$ 32,000.00	-	$ -	-	$ -
92	12" Casing Pipe	$ 55.00 | LFT	430	$ 23,650.00	430	$ 23,650.00	-	$ -	-	$ -
93	12" Boring	$ 80.00 | LFT	430	$ 34,400.00	430	$ 34,400.00	-	$ -	-	$ -
94	Bore Obstruction	$ 500.00 | LFT	1	$ 500.00	1	$ 500.00	-	$ -	-	$ -
95	6" C900 Joint Restrained Water Main	$ 30.00 | LFT	510	$ 15,300.00	510	$ 15,300.00	-	$ -	-	$ -
96	Connect to Existing Water Main	$ 1,000.00 | LFT	4	$ 4,000.00	4	$ 4,000.00	-	$ -	-	$ -
97	Temporary Water Service	$ 15,000.00 | L.S.	1	$ 15,000.00	1	$ 15,000.00		$ -	-	$ -
98	Remove & Salvage Existing Fire Hydrant	$ 500.00 | LFT	1	$ 500.00	1	$ 500.00	-	$ -	-	$ -
99	Standard Fire Hydrant	$ 3,000.00 | LFT	16	$ 48,000.00	16	$ 48,000.00	-	$ -	-	$ -
100	Salvage & Reset Existing Yard Hydrant	$ 1,000.00 | EACH	1	$ 1,000.00	1	$ 1,000.00	-	$ -	-	$ -
101	Pipe Bollards	$ 200.00 | EACH	33	$ 6,600.00	33	$ 6,600.00	-	$ -	-	$ -
		Construction Subtota		$ 2,285,615.00		$ 807,785.00		$ 1,283,655.00		$ 194,175.00
		Contingencies (10%)		$ 228,385.00		$ 80,215.00		$ 128,345.00		$ 19,825.00
		Estimated Construction Total:	$	**2,514,000.00**	$	**888,000.00**	$	**1,412,000.00**	$	**214,000.00**
		Engineering & Administration Fees (8%)		$ 201,000.00		$ 71,000.00		$ 113,000.00		$ 17,000.00
		Geotechnical Services (2%)		$ 50,000.00		$ 18,000.00		$ 28,000.00		$ 4,000.00
		Admin/Legal (2%)		$ 50,000.00		$ 18,000.00		$ 28,000.00		$ 4,000.00
		Financing (5%)		$ 127,000.00		$ 45,000.00		$ 71,000.00		$ 11,000.00
		Miscellaneous (1%)		$ 25,000.00		$ 9,000.00		$ 14,000.00		$ 2,000.00
		ESTIMATED TOTAL PROJECT:		**$2,967,000.00**		**$1,049,000.00**		**$1,666,000.00**		**$252,000.00**

PRELIMINARY PROJECT COST ESTIMATE
SANITARY SEWER LAGOON IMPROVEMENTS PROJECT - EAGLE BUTTE, SD

Prepared by DGR Engineering
May 28, 2014

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE		TOTAL PROJECT Lagoon Improvements QTY	TOTAL
	SANITARY SEWER LAGOON IMPROVEMENTS				
1	Mobilization	$ 50,000.00	L.S.	1	$ 75,000.00
2	12" DIP transfer pipe	$ 125.00	L.FT	230	$ 28,750.00
3	12" Gate valve and box	$ 3,600.00	EACH	4	$ 14,400.00
4	12" DIP 90 deg. Bend	$ 1,000.00	EACH	2	$ 2,000.00
5	12" DIP 45 deg. Bend	$ 1,000.00	EACH	10	$ 10,000.00
6	Control structure	$ 7,000.00	EACH	2	$ 14,000.00
7	6" Concrete slab	$ 60.00	SQFT	650	$ 39,000.00
8	12" DIP inlet pipe	$ 125.00	L.FT	300	$ 37,500.00
9	Connect to existing inlet pipe	$ 12,000.00	L.S.	1	$ 12,000.00
10	Inlet discharge concrete pad	$ 7,000.00	L.S.	1	$ 7,000.00
11	1/2 HP Diffused aeration system	$ 4,000.00	EACH	3	$ 12,000.00
12	1/2" Weighted PVC air hose	$ 2.50	L.FT	2,500	$ 6,250.00
13	2 HP Floating aerators	$ 4,750.00	EACH	6	$ 28,500.00
14	Stainless steel anchor cable	$ 3.50	L.FT	650	$ 2,275.00
15	Aerator power cable	$ 16.00	L.FT	4,300	$ 68,800.00
16	Installation of diffusers and aerators	$ 6,000.00	EACH	9	$ 54,000.00
17	Electrical power	$ 18.00	L.FT	2,750	$ 49,500.00
18	Sludge removal and land application	$ 25.00	TON	4,800	$ 120,000.00
19	Control Building	$ 30,000.00	L.S.	1	$ 30,000.00
20	Electrical controls	$ 60,000.00	L.S.	1	$ 60,000.00
21	Transfer pumping	$ 30,000.00	L.S.	1	$ 30,000.00
			Construction Subtotal		$ 700,975.00
			Contingencies (10%)		$ 70,025.00
			Estimated Construction Total:	**$**	**771,000.00**
			Engineering & Administration Fees (8%)		$ 62,000.00
			Admin/Legal (2%)		$ 15,000.00
			Financing (5%)		$ 39,000.00
			Miscellaneous (1%)		$ 8,000.00
			ESTIMATED TOTAL PROJECT:		**$895,000.00**

Annual Operations and Maintenance Costs

1	Electrical Operating costs at 12 hours/day/year	$11,400.00
2	Maintenance costs at 2 persons/day, 4 times per year	$1,600.00
		$13,000.00 Per Year

Eagle Butte Water

+36.35
2.20
38.55
or
36.35
1.85
38.20

Loan Amortization Calculator

Almost any data field on this form may be calculated. Enter the appropriate numbers in each slot, leaving blank (or zero) the value that you wish to determine, and then click "Calculate" to update the page.

Principal	Payments per Year
725000.00	4

Annual Interest Rate	Number of Regular Payments
0.0000	120

Balloon Payment	Payment Amount
	6041.67

x4 = 24,166.68 x 10%
2,416.67
26,583.35 ÷ 12
= 2,215.28 ÷ 1,006 users
= 2.20 surcharge.
but based on
units would be
1207 users would be
1.85 surcharge

☑ Show Amortization Schedule

Calculate

This loan calculator is written and maintained by Bret Whissel.
See Bret's Blog for help, a spreadsheet, derivations, calculator news, and more information.

Summary

Principal borrowed:	$725,000.00	**Annual Payments:**	4
Regular Payment amount:	$6,041.67	**Total Payments:**	120 (30.00 years)
Final Balloon Payment:	$0.00	**Annual interest rate:**	0.00%
Interest-only payment:	$0.00	**Periodic interest rate:**	0.0000%
***Total Repaid:**	$725,000.40	**Debt Service Constant:**	3.3333%
***Total Interest Paid:**	$0.40	***Total interest paid as a percentage of Principal:**	0.000%

**These results are estimates which do not account for accumulated error of payments being rounded to the nearest cent. See the amortization schedule for more accurate values.*

Pmt	Principal	Interest	Cum Prin	Cum Int	Prin Bal
1	6,041.67	0.00	6,041.67	0.00	718,958.33
2	6,041.67	0.00	12,083.34	0.00	712,916.66
3	6,041.67	0.00	18,125.01	0.00	706,874.99
4	6,041.67	0.00	24,166.68	0.00	700,833.32
5	6,041.67	0.00	30,208.35	0.00	694,791.65
6	6,041.67	0.00	36,250.02	0.00	688,749.98
7	6,041.67	0.00	42,291.69	0.00	682,708.31
8	6,041.67	0.00	48,333.36	0.00	676,666.64
9	6,041.67	0.00	54,375.03	0.00	670,624.97
10	6,041.67	0.00	60,416.70	0.00	664,583.30
11	6,041.67	0.00	66,458.37	0.00	658,541.63
12	6,041.67	0.00	72,500.04	0.00	652,499.96
13	6,041.67	0.00	78,541.71	0.00	646,458.29
14	6,041.67	0.00	84,583.38	0.00	640,416.62
15	6,041.67	0.00	90,625.05	0.00	634,374.95
16	6,041.67	0.00	96,666.72	0.00	628,333.28
17	6,041.67	0.00	102,708.39	0.00	622,291.61
18	6,041.67	0.00	108,750.06	0.00	616,249.94
19	6,041.67	0.00	114,791.73	0.00	610,208.27
20	6,041.67	0.00	120,833.40	0.00	604,166.60
21	6,041.67	0.00	126,875.07	0.00	598,124.93
22	6,041.67	0.00	132,916.74	0.00	592,083.26
23	6,041.67	0.00	138,958.41	0.00	586,041.59
24	6,041.67	0.00	145,000.08	0.00	579,999.92
25	6,041.67	0.00	151,041.75	0.00	573,958.25
26	6,041.67	0.00	157,083.42	0.00	567,916.58
27	6,041.67	0.00	163,125.09	0.00	561,874.91
28	6,041.67	0.00	169,166.76	0.00	555,833.24
29	6,041.67	0.00	175,208.43	0.00	549,791.57
30	6,041.67	0.00	181,250.10	0.00	543,749.90
31	6,041.67	0.00	187,291.77	0.00	537,708.23
32	6,041.67	0.00	193,333.44	0.00	531,666.56
33	6,041.67	0.00	199,375.11	0.00	525,624.89
34	6,041.67	0.00	205,416.78	0.00	519,583.22
35	6,041.67	0.00	211,458.45	0.00	513,541.55
36	6,041.67	0.00	217,500.12	0.00	507,499.88
37	6,041.67	0.00	223,541.79	0.00	501,458.21
38	6,041.67	0.00	229,583.46	0.00	495,416.54
39	6,041.67	0.00	235,625.13	0.00	489,374.87
40	6,041.67	0.00	241,666.80	0.00	483,333.20
41	6,041.67	0.00	247,708.47	0.00	477,291.53
42	6,041.67	0.00	253,750.14	0.00	471,249.86
43	6,041.67	0.00	259,791.81	0.00	465,208.19
44	6,041.67	0.00	265,833.48	0.00	459,166.52
45	6,041.67	0.00	271,875.15	0.00	453,124.85
46	6,041.67	0.00	277,916.82	0.00	447,083.18
47	6,041.67	0.00	283,958.49	0.00	441,041.51
48	6,041.67	0.00	290,000.16	0.00	434,999.84

Pmt	Principal	Interest	Cum Prin	Cum Int	Prin Bal
49	6,041.67	0.00	296,041.83	0.00	428,958.17
50	6,041.67	0.00	302,083.50	0.00	422,916.50
51	6,041.67	0.00	308,125.17	0.00	416,874.83
52	6,041.67	0.00	314,166.84	0.00	410,833.16
53	6,041.67	0.00	320,208.51	0.00	404,791.49
54	6,041.67	0.00	326,250.18	0.00	398,749.82
55	6,041.67	0.00	332,291.85	0.00	392,708.15
56	6,041.67	0.00	338,333.52	0.00	386,666.48
57	6,041.67	0.00	344,375.19	0.00	380,624.81
58	6,041.67	0.00	350,416.86	0.00	374,583.14
59	6,041.67	0.00	356,458.53	0.00	368,541.47
60	6,041.67	0.00	362,500.20	0.00	362,499.80
61	6,041.67	0.00	368,541.87	0.00	356,458.13
62	6,041.67	0.00	374,583.54	0.00	350,416.46
63	6,041.67	0.00	380,625.21	0.00	344,374.79
64	6,041.67	0.00	386,666.88	0.00	338,333.12
65	6,041.67	0.00	392,708.55	0.00	332,291.45
66	6,041.67	0.00	398,750.22	0.00	326,249.78
67	6,041.67	0.00	404,791.89	0.00	320,208.11
68	6,041.67	0.00	410,833.56	0.00	314,166.44
69	6,041.67	0.00	416,875.23	0.00	308,124.77
70	6,041.67	0.00	422,916.90	0.00	302,083.10
71	6,041.67	0.00	428,958.57	0.00	296,041.43
72	6,041.67	0.00	435,000.24	0.00	289,999.76
73	6,041.67	0.00	441,041.91	0.00	283,958.09
74	6,041.67	0.00	447,083.58	0.00	277,916.42
75	6,041.67	0.00	453,125.25	0.00	271,874.75
76	6,041.67	0.00	459,166.92	0.00	265,833.08
77	6,041.67	0.00	465,208.59	0.00	259,791.41
78	6,041.67	0.00	471,250.26	0.00	253,749.74
79	6,041.67	0.00	477,291.93	0.00	247,708.07
80	6,041.67	0.00	483,333.60	0.00	241,666.40
81	6,041.67	0.00	489,375.27	0.00	235,624.73
82	6,041.67	0.00	495,416.94	0.00	229,583.06
83	6,041.67	0.00	501,458.61	0.00	223,541.39
84	6,041.67	0.00	507,500.28	0.00	217,499.72
85	6,041.67	0.00	513,541.95	0.00	211,458.05
86	6,041.67	0.00	519,583.62	0.00	205,416.38
87	6,041.67	0.00	525,625.29	0.00	199,374.71
88	6,041.67	0.00	531,666.96	0.00	193,333.04
89	6,041.67	0.00	537,708.63	0.00	187,291.37
90	6,041.67	0.00	543,750.30	0.00	181,249.70
91	6,041.67	0.00	549,791.97	0.00	175,208.03
92	6,041.67	0.00	555,833.64	0.00	169,166.36
93	6,041.67	0.00	561,875.31	0.00	163,124.69
94	6,041.67	0.00	567,916.98	0.00	157,083.02
95	6,041.67	0.00	573,958.65	0.00	151,041.35
96	6,041.67	0.00	580,000.32	0.00	144,999.68

Pmt	Principal	Interest	Cum Prin	Cum Int	Prin Bal
97	6,041.67	0.00	586,041.99	0.00	138,958.01
98	6,041.67	0.00	592,083.66	0.00	132,916.34
99	6,041.67	0.00	598,125.33	0.00	126,874.67
100	6,041.67	0.00	604,167.00	0.00	120,833.00
101	6,041.67	0.00	610,208.67	0.00	114,791.33
102	6,041.67	0.00	616,250.34	0.00	108,749.66
103	6,041.67	0.00	622,292.01	0.00	102,707.99
104	6,041.67	0.00	628,333.68	0.00	96,666.32
105	6,041.67	0.00	634,375.35	0.00	90,624.65
106	6,041.67	0.00	640,417.02	0.00	84,582.98
107	6,041.67	0.00	646,458.69	0.00	78,541.31
108	6,041.67	0.00	652,500.36	0.00	72,499.64
109	6,041.67	0.00	658,542.03	0.00	66,457.97
110	6,041.67	0.00	664,583.70	0.00	60,416.30
111	6,041.67	0.00	670,625.37	0.00	54,374.63
112	6,041.67	0.00	676,667.04	0.00	48,332.96
113	6,041.67	0.00	682,708.71	0.00	42,291.29
114	6,041.67	0.00	688,750.38	0.00	36,249.62
115	6,041.67	0.00	694,792.05	0.00	30,207.95
116	6,041.67	0.00	700,833.72	0.00	24,166.28
117	6,041.67	0.00	706,875.39	0.00	18,124.61
118	6,041.67	0.00	712,917.06	0.00	12,082.94
119	6,041.67	0.00	718,958.73	0.00	6,041.27
120	*6,041.27	0.00	725,000.00	0.00	0.00

*The final payment has been adjusted to account for payments having been rounded to the nearest cent.

Compilation

From Date: 1/1/2013 To Date: 12/31/2013

Fiscal Year: 2013-2013 ☐ Subtotal by Collapse Mask ☐ Include pre encumbrance ☐ Print accounts with zero balance ☑ Filter Encumbrance Detail by Date Range

Account Number	Description	GL Budget	Range To Date	YTD	Balance	Encumbrance	Budget Balance	% Bud
6020.00000.1010000	W.F. CASH/CASH & DEPOSITS	$0.00	$301,305.86	$301,305.86	($301,305.86)	$0.00	($301,305.86)	0.00%
6020.00000.1052000	W.F. SAVINGS CERTIFICATE-GREAT	$0.00	$105,011.23	$105,011.23	($105,011.23)	$0.00	($105,011.23)	0.00%
6020.00000.2539000	W.F. NET ASSETS-UNRESTRICTED	$0.00	($386,596.35)	($386,596.35)	$386,596.35	$0.00	$386,596.35	0.00%
	DEPT: GENERAL LEDGER ACCOUNTS - 00000	$0.00	$19,720.74	$19,720.74	($19,720.74)	$0.00	($19,720.74)	0.00%
6020.33000.3319900	W.F. I.R./F.G.-OTHER	($5,000.00)	$0.00	$0.00	($5,000.00)	$0.00	($5,000.00)	100.00%
	DEPT: INTERGOVERNMENTAL REVENUES - 33000	($5,000.00)	$0.00	$0.00	($5,000.00)	$0.00	($5,000.00)	100.00%
6020.33400.3341301	W.F. I.R./OTH.GR/DENR DW SRF C	$0.00	($414,873.60)	($414,873.60)	$414,873.60	$0.00	$414,873.60	0.00%
	DEPT: STATE GRANTS - 33400	$0.00	($414,873.60)	($414,873.60)	$414,873.60	$0.00	$414,873.60	0.00%
6020.36000.3610000	W.F. MISC.REV./INVESTMENT EARN	$0.00	($5,011.23)	($5,011.23)	$5,011.23	$0.00	$5,011.23	0.00%
	DEPT: MISC. REVENUE - 36000	$0.00	($5,011.23)	($5,011.23)	$5,011.23	$0.00	$5,011.23	0.00%
6020.38100.3810100	W.F. WATER/METERED & FLAT RATE	($675,000.00)	($669,074.93)	($669,074.93)	($5,925.07)	$0.00	($5,925.07)	0.88%
6020.38100.3810300	W.F. WATER/SALE-SUPPLIES & MAT	($65,000.00)	($53,015.06)	($53,015.06)	($11,984.94)	$0.00	($11,984.94)	18.44%
6020.38100.3810400	W.F. WATER/TAP FEES	$0.00	($300.00)	($300.00)	$300.00	$0.00	$300.00	0.00%
6020.38100.3810500	W.F. WATER/LABOR CHARGES OR FE	$0.00	$357.50	$357.50	($357.50)	$0.00	($357.50)	0.00%
6020.38100.3810600	W.F. WATER/MISC. CHARGES OR FE	$0.00	$30.00	$30.00	($30.00)	$0.00	($30.00)	0.00%
6020.38100.3819900	W.F. WATER/OTHER	$0.00	($4,491.95)	($4,491.95)	$4,491.95	$0.00	$4,491.95	0.00%
	DEPT: ENTERPRISE OPERATING REVENUE-WATER - 38100	($740,000.00)	($726,494.44)	($726,494.44)	($13,505.56)	$0.00	($13,505.56)	1.83%
6020.39120.3910241	W.F. OS/OFS-OTHER BONDS ISS-SC	$500,086.44	($103,718.40)	($103,718.40)	$603,804.84	$0.00	$603,804.84	120.74%
	DEPT: LONG TERM DEBT ISSUED - 39120	$500,086.44	($103,718.40)	($103,718.40)	$603,804.84	$0.00	$603,804.84	120.74%
6020.43340.4110000	E.F. PW-WATER-DISTRIB/PS-SALAR	$95,000.00	$98,342.18	$98,342.18	($3,342.18)	$0.00	($3,342.18)	-3.52%
6020.43340.4121000	E.F. PW-WATER-DISTRIB/PS-OASI	$6,000.00	$5,914.55	$5,914.55	$85.45	$0.00	$85.45	1.42%
6020.43340.4122000	E.F. PW-WATER-DISTRIB/PS-MEDIC	$1,500.00	$1,383.26	$1,383.26	$116.74	$0.00	$116.74	7.78%
6020.43340.4130000	E.F. PW-WATER-DISTRIB/PS-RETIR	$3,500.00	$4,911.59	$4,911.59	($1,411.59)	$0.00	($1,411.59)	-40.33%
6020.43340.4140000	E.F. PW-WATER-DISTRIB/PS-WORKE	$5,000.00	$1,304.30	$1,304.30	$3,695.70	$0.00	$3,695.70	73.91%
6020.43340.4150000	E.F. PW-WATER-DISTRIB/PS-GROUP	$15,000.00	$33,560.24	$33,560.24	($18,560.24)	$0.00	($18,560.24)	-123.73%
6020.43340.4160000	E.F. PW-WATER-DISTRIB/PS-UNEMP	$250.00	$0.00	$0.00	$250.00	$0.00	$250.00	100.00%
6020.43340.4210000	E.F. PW-WATER-DISTRIB/OCE-INSU	$7,500.00	$2,344.00	$2,344.00	$5,156.00	$0.00	$5,156.00	68.75%
6020.43340.4220000	E.F. PW-WATER-DISTRIB/OCE-SERV	$57,000.00	$57,430.92	$57,430.92	($430.92)	$0.00	($430.92)	-0.76%
6020.43340.4230000	E.F. PW-WATER-DISTRIB/OCE-PUBL	$1,000.00	$593.45	$593.45	$406.55	$0.00	$406.55	40.66%
6020.43340.4240000	E.F. PW-WATER-DISTRIB/OCE-RENT	$250.00	$117.00	$117.00	$133.00	$0.00	$133.00	53.20%
6020.43340.4250200	E.F. PW-WATER-DISTRIB/OCE-R&M:	$1,000.00	$38.71	$38.71	$961.29	$0.00	$961.29	96.13%
6020.43340.4250310	E.F. PW-WATER-DISTRIB/OCE-R&M:	$10,000.00	$0.00	$0.00	$10,000.00	$0.00	$10,000.00	100.00%
6020.43340.4250320	E.F. PW-WATER-DISTRIB/OCE-R&M:	$5,000.00	$2,560.60	$2,560.60	$2,439.40	$0.00	$2,439.40	48.79%
6020.43340.4250400	E.F. PW-WATER-DISTRIB/OCE-R&M:	$5,000.00	$1,138.88	$1,138.88	$3,861.12	$0.00	$3,861.12	77.22%
6020.43340.4250410	E.F. PW-WATER-DISTRIB/OCE-R&M:	$5,000.00	$903.25	$903.25	$4,096.75	$0.00	$4,096.75	81.94%
6020.43340.4261100	E.F. PW-WATER-DISTRIB/OCE-SUPP	$5,000.00	$12,353.53	$12,353.53	($7,353.53)	$0.00	($7,353.53)	-147.07%
6020.43340.4261160	E.F. PW-WATER-DISTRIB/OCE-S:NC	$2,500.00	$43.42	$43.42	$2,456.58	$0.00	$2,456.58	98.26%
6020.43340.4261200	E.F. PW-WATER-DISTRIB/OCE-SUPP	$500.00	$1,930.48	$1,930.48	($1,430.48)	$0.00	($1,430.48)	-286.10%
6020.43340.4261210	E.F. PW-WATER-DISTRIB/OCE-S:CS	$500.00	$380.62	$380.62	$119.38	$0.00	$119.38	23.88%
6020.43340.4261211	E.F. PW-WATER-DISTRIB/OCE-S:CS	$2,500.00	$7,151.26	$7,151.26	($4,651.26)	$0.00	($4,651.26)	-186.05%
6020.43340.4261220	E.F. PW-WATER-DISTRIB/OCE-S:CS	$7,500.00	$8,863.46	$8,863.46	($1,363.46)	$0.00	($1,363.46)	-18.18%
6020.43340.4261230	E.F. PW-WATER-DISTRIB/OCE-S:CS	$500.00	$421.93	$421.93	$78.07	$0.00	$78.07	15.61%
6020.43340.4261260	E.F. PW-WATER-DISTRIB/OCE-S:CS	$5,000.00	$964.62	$964.62	$4,035.38	$0.00	$4,035.38	80.71%
6020.43340.4262910	E.F. PW-WATER-DISTRIB/OCE-MAT:	$400,000.00	$380,047.40	$380,047.40	$19,952.60	$0.00	$19,952.60	4.99%
6020.43340.4262920	E.F. PW-WATER-DISTRIB/OCE-MAT:	$5,000.00	$1,895.23	$1,895.23	$3,104.77	$0.00	$3,104.77	62.10%
6020.43340.4270000	E.F. PW-WATER-DISTRIB/OCE-TRAV	$3,500.00	$713.78	$713.78	$2,786.22	$0.00	$2,786.22	79.61%

Compilation

From Date: 1/1/2013 To Date: 12/31/2013

Fiscal Year: 2013-2013 ☐ Subtotal by Collapse Mask ☐ Include pre encumbrance ☐ Print accounts with zero balance ☑ Filter Encumbrance Detail by Date Range

Account Number	Description	GL Budget	Range To Date	YTD	Balance	Encumbrance	Budget Balance	% Bud
6020.43340.4280000	E.F. PW-WATER-DISTRIB/OCE-UTIL	$7,500.00	$10,099.91	$10,099.91	($2,599.91)	$0.00	($2,599.91)	-34.67%
6020.43340.4290000	E.F. PW-WATER-DISTRIB/OCE-OTHE	$0.00	$803.50	$803.50	($803.50)	$0.00	($803.50)	0.00%
6020.43340.4320000	E.F. PW-WATER-DISTRIB/CA-BUILD	$17,000.00	$0.00	$0.00	$17,000.00	$0.00	$17,000.00	100.00%
6020.43340.4330000	E.F. PW-WATER-DISTRIB/CA-IMP.	$36,000.00	$592,574.70	$592,574.70	($556,574.70)	$0.00	($556,574.70)	-1546.04%
6020.43340.4340000	E.F. PW-WATER-DISTRIB/CA-MACH.	$514,376.93	$1,590.16	$1,590.16	$512,786.77	$0.00	$512,786.77	99.69%
6020.43340.4570000	E.F. PW-WATER-DISTRIB/OE-DEPRE	$5,000.00	$0.00	$0.00	$5,000.00	$0.00	$5,000.00	100.00%
	DEPT: PW-WATER-DISTRIBUTION - 43340	$1,230,376.93	$1,230,376.93	$1,230,376.93	$0.00	$0.00	$0.00	0.00%
	FUND: ENTERPRISE FUND-WATER FUND - 6020	$985,463.37	$0.00	$0.00	$985,463.37	$0.00	$985,463.37	100.00%

Compilation

From Date: 1/1/2014 To Date: 6/30/2014

Fiscal Year: 2014-2014 ☐ Subtotal by Collapse Mask ☐ Include pre encumbrance ☐ Print accounts with zero balance ☑ Filter Encumbrance Detail by Date Range

Account Number	Description	GL Budget	Range To Date	YTD	Balance	Encumbrance	Budget Balance	% Bud
6020.00000.1010000	W.F. CASH/CASH & DEPOSITS	$0.00	$511,121.84	$511,121.84	($511,121.84)	$0.00	($511,121.84)	0.00%
6020.00000.1052000	W.F. SAVINGS CERTIFICATE-GREAT	$0.00	$105,011.23	$105,011.23	($105,011.23)	$0.00	($105,011.23)	0.00%
6020.00000.2200000	W.F. CUSTOMER DEPOSITS	$0.00	($50.00)	($50.00)	$50.00	$0.00	$50.00	0.00%
6020.00000.2539000	W.F. NET ASSETS-UNRESTRICTED	$0.00	($406,317.09)	($406,317.09)	$406,317.09	$0.00	$406,317.09	0.00%
	DEPT: GENERAL LEDGER ACCOUNTS - 00000	$0.00	$209,765.98	$209,765.98	($209,765.98)	$0.00	($209,765.98)	0.00%
6020.33400.3341301	W.F. I.R./OTH.GR/DENR DW SRF C	($995,200.00)	($127,096.20)	($127,096.20)	($868,103.80)	$0.00	($868,103.80)	87.23%
	DEPT: STATE GRANTS - 33400	($995,200.00)	($127,096.20)	($127,096.20)	($868,103.80)	$0.00	($868,103.80)	87.23%
6020.36000.3699900	W.F. MISC.REV./OTHER-OTHER	$0.00	($397.59)	($397.59)	$397.59	$0.00	$397.59	0.00%
	DEPT: MISC. REVENUE - 36000	$0.00	($397.59)	($397.59)	$397.59	$0.00	$397.59	0.00%
6020.38100.3810100	W.F. WATER/METERED & FLAT RATE	($675,000.00)	($304,589.74)	($304,589.74)	($370,410.26)	$0.00	($370,410.26)	54.88%
6020.38100.3810110	W.F. WATER/PENALTY CALCULATION	$0.00	($5,707.61)	($5,707.61)	$5,707.61	$0.00	$5,707.61	0.00%
6020.38100.3810200	W.F. WATER/BULK WATER SALES	$0.00	($3.95)	($3.95)	$3.95	$0.00	$3.95	0.00%
6020.38100.3810300	W.F. WATER/SALE-SUPPLIES & MAT	($65,000.00)	($26,827.34)	($26,827.34)	($38,172.66)	$0.00	($38,172.66)	58.73%
6020.38100.3810400	W.F. WATER/TAP FEES	$0.00	($100.00)	($100.00)	$100.00	$0.00	$100.00	0.00%
6020.38100.3810600	W.F. WATER/MISC. CHARGES OR FE	$0.00	($8,481.74)	($8,481.74)	$8,481.74	$0.00	$8,481.74	0.00%
6020.38100.3819900	W.F. WATER/OTHER	$0.00	($1,705.86)	($1,705.86)	$1,705.86	$0.00	$1,705.86	0.00%
	DEPT: ENTERPRISE OPERATING REVENUE-WATER - 38100	($740,000.00)	($347,416.24)	($347,416.24)	($392,583.76)	$0.00	($392,583.76)	53.05%
6020.39120.3910241	W.F. OS/OFS-OTHER BONDS ISS-SC	($248,800.00)	($31,773.80)	($31,773.80)	($217,026.20)	$0.00	($217,026.20)	87.23%
	DEPT: LONG TERM DEBT ISSUED - 39120	($248,800.00)	($31,773.80)	($31,773.80)	($217,026.20)	$0.00	($217,026.20)	87.23%
6020.43340.4110000	E.F. PW-WATER-DISTRIB/PS-SALAR	$93,000.00	$50,359.64	$50,359.64	$42,640.36	$0.00	$42,640.36	45.85%
6020.43340.4121000	E.F. PW-WATER-DISTRIB/PS-OASI	$6,000.00	$2,972.23	$2,972.23	$3,027.77	$0.00	$3,027.77	50.46%
6020.43340.4122000	E.F. PW-WATER-DISTRIB/PS-MEDIC	$1,500.00	$695.11	$695.11	$804.89	$0.00	$804.89	53.66%
6020.43340.4130000	E.F. PW-WATER-DISTRIB/PS-RETIR	$4,500.00	$2,773.69	$2,773.69	$1,726.31	$0.00	$1,726.31	38.36%
6020.43340.4140000	E.F. PW-WATER-DISTRIB/PS-WORKE	$5,000.00	$0.00	$0.00	$5,000.00	$0.00	$5,000.00	100.00%
6020.43340.4150000	E.F. PW-WATER-DISTRIB/PS-GROUP	$35,000.00	$10,895.66	$10,895.66	$24,104.34	$0.00	$24,104.34	68.87%
6020.43340.4210000	E.F. PW-WATER-DISTRIB/OCE-INSU	$10,000.00	$5,897.00	$5,897.00	$4,103.00	$0.00	$4,103.00	41.03%
6020.43340.4220000	E.F. PW-WATER-DISTRIB/OCE-SERV	$6,000.00	$20,783.33	$20,783.33	($14,783.33)	$0.00	($14,783.33)	-246.39%
6020.43340.4230000	E.F. PW-WATER-DISTRIB/OCE-PUBL	$750.00	$566.26	$566.26	$183.74	$0.00	$183.74	24.50%
6020.43340.4240000	E.F. PW-WATER-DISTRIB/OCE-RENT	$250.00	$117.00	$117.00	$133.00	$0.00	$133.00	53.20%
6020.43340.4250310	E.F. PW-WATER-DISTRIB/OCE-R&M:	$10,000.00	$0.00	$0.00	$10,000.00	$0.00	$10,000.00	100.00%
6020.43340.4250320	E.F. PW-WATER-DISTRIB/OCE-R&M:	$0.00	$904.36	$904.36	($904.36)	$0.00	($904.36)	0.00%
6020.43340.4250400	E.F. PW-WATER-DISTRIB/OCE-R&M:	$1,500.00	$2,567.44	$2,567.44	($1,067.44)	$0.00	($1,067.44)	-71.16%
6020.43340.4250410	E.F. PW-WATER-DISTRIB/OCE-R&M:	$2,500.00	$302.37	$302.37	$2,197.63	$0.00	$2,197.63	87.91%
6020.43340.4261100	E.F. PW-WATER-DISTRIB/OCE-SUPP	$15,000.00	$2,671.94	$2,671.94	$12,328.06	$0.00	$12,328.06	82.19%
6020.43340.4261160	E.F. PW-WATER-DISTRIB/OCE-S:NC	$250.00	$60.99	$60.99	$189.01	$0.00	$189.01	75.60%
6020.43340.4261200	E.F. PW-WATER-DISTRIB/OCE-SUPP	$2,500.00	$561.52	$561.52	$1,938.48	$0.00	$1,938.48	77.54%
6020.43340.4261210	E.F. PW-WATER-DISTRIB/OCE-S:CS	$500.00	$185.71	$185.71	$314.29	$0.00	$314.29	62.86%
6020.43340.4261211	E.F. PW-WATER-DISTRIB/OCE-S:CS	$5,000.00	$1,220.77	$1,220.77	$3,779.23	$0.00	$3,779.23	75.58%
6020.43340.4261220	E.F. PW-WATER-DISTRIB/OCE-S:CS	$8,500.00	$3,895.52	$3,895.52	$4,604.48	$0.00	$4,604.48	54.17%
6020.43340.4261230	E.F. PW-WATER-DISTRIB/OCE-S:CS	$500.00	$670.87	$670.87	($170.87)	$0.00	($170.87)	-34.17%
6020.43340.4261260	E.F. PW-WATER-DISTRIB/OCE-S:CS	$1,250.00	$1,372.01	$1,372.01	($122.01)	$0.00	($122.01)	-9.76%
6020.43340.4262910	E.F. PW-WATER-DISTRIB/OCE-MAT:	$400,000.00	$157,090.00	$157,090.00	$242,910.00	$0.00	$242,910.00	60.73%
6020.43340.4262920	E.F. PW-WATER-DISTRIB/OCE-MAT:	$2,500.00	($474.93)	($474.93)	$2,974.93	$0.00	$2,974.93	119.00%
6020.43340.4270000	E.F. PW-WATER-DISTRIB/OCE-TRAV	$1,000.00	$1,450.40	$1,450.40	($450.40)	$0.00	($450.40)	-45.04%
6020.43340.4280000	E.F. PW-WATER-DISTRIB/OCE-UTIL	$10,000.00	$7,008.81	$7,008.81	$2,991.19	$0.00	$2,991.19	29.91%
6020.43340.4336021	E.F. PW-WATER-DISTRIB/CA-IOTB:	$1,244,000.00	$0.00	$0.00	$1,244,000.00	$0.00	$1,244,000.00	100.00%
6020.43340.4340000	E.F. PW-WATER-DISTRIB/CA-MACH.	$0.00	$21,580.15	$21,580.15	($21,580.15)	$0.00	($21,580.15)	0.00%

Compilation

From Date: 1/1/2014 To Date: 6/30/2014

Fiscal Year: 2014-2014 ☐ Subtotal by Collapse Mask ☐ Include pre encumbrance ☐ Print accounts with zero balance ☑ Filter Encumbrance Detail by Date Range

Account Number	Description	GL Budget	Range To Date	YTD	Balance	Encumbrance	Budget Balance	% Bud
6020.43340.4341000	E.F. PW-WATER-DISTRIB/CA-M&E:C	$0.00	$790.00	$790.00	($790.00)	$0.00	($790.00)	0.00%
	DEPT: PW-WATER-DISTRIBUTION - 43340	$1,867,000.00	$296,917.85	$296,917.85	$1,570,082.15	$0.00	$1,570,082.15	84.10%
	FUND: ENTERPRISE FUND-WATER FUND - 6020	($117,000.00)	$0.00	$0.00	($117,000.00)	$0.00	($117,000.00)	100.00%

CITY OF EAGLE BUTTE

FINANCIAL STATEMENTS AND ACCOUNTANT'S COMPILATION REPORT
FOR THE MONTH ENDED DECEMBER 2013
AND THE YEAR ENDED -DECEMBER 31, 2013

Ketel Thorstenson, LLP
Certified Public Accountants/Business & Personal Consultants

810 Quincy Street • Rapid City, SD 57701 • www.ktllp.com

CITY OF EAGLE BUTTE

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ACCOUNTANT'S COMPILATION REPORT

City Council
City of Eagle Butte
Eagle Butte, South Dakota

We have compiled the accompanying modified cash basis financial statements of each major fund and the aggregate remaining fund information of the **CITY OF EAGLE BUTTE** (the City), as of and for the month ended December 31, 2013, and for the year ended December 31, 2013, which collectively comprise the City's basic financial statements, as listed in the table of contents. We have not audited or reviewed the accompanying financial statements and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with the modified cash basis of accounting.

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the modified cash basis of accounting and for designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the financial statements.

Our responsibility is to conduct the compilation in accordance with Statements on Standards for Accounting and Review Services issued by the American Institute of Certified Public Accountants. The objective of a compilation is to assist the management of the City in presenting financial information in the form of financial statements without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements.

These financial statements were prepared on the modified cash basis, which is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America. Under the modified cash basis of accounting, transactions are recorded in the accounts when cash is received or disbursed. Under the modified cash basis of accounting, the statement of net position reports only cash and certificates of deposit.

In addition, the accompanying statements include investment activity. Accordingly, the investments are carried at fair market value, and the unrealized holding gains are included as "investment earnings" in the statement of revenues, expenditures, and changes in fund balances.

As a result of the use of the modified cash basis of accounting, certain assets and their related revenues (such as accounts receivable and revenue for billed or provided services not yet collected) and certain liabilities and their related expenses (such as accounts payable and expenses for goods or services received but not yet paid, and accrued expenses and liabilities) are not recorded in these financial statements. In addition, modified cash basis statements exclude inventory, capital assets, and long-term debt balances.

If the City applied accounting principles generally accepted in the United States of America, the fund financial statements for governmental funds would use the modified accrual basis of accounting, while the government-wide financial statements and proprietary fund financial statements would use the accrual basis of accounting.

Management has elected to omit substantially all of the disclosures required by accounting principles generally accepted in the United States of America. If the omitted disclosures were included in the financial statements, they might influence the user's conclusions about the City's financial position, results of operations, and cash flows. Accordingly, the financial statements are not designed for those who are not informed about such matters.

We are not independent with respect to the City.

Ketel Thorstenson, LLP

KETEL THORSTENSON, LLP
Certified Public Accountants

May 9, 2014

CITY OF EAGLE BUTTE

GOVERNMENTAL FUNDS BALANCE SHEET - MODIFIED CASH BASIS
DECEMBER 31, 2013
(See Accountant's Compilation Report)

	General Fund	Capital Projects Fund	Total
Assets:			
101 Cash	$ -	$ (55,350)	$ **(55,350)**
TOTAL ASSETS	$ -	$ **(55,350)**	$ **(55,350)**
Fund Deficit:			
262 Fund Deficit - Unassigned	$ -	$ (55,350)	$ **(55,350)**
TOTAL FUND DEFICIT	$ -	$ **(55,350)**	$ **(55,350)**

CITY OF EAGLE BUTTE

GOVERNMENTAL FUNDS STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS
YEAR ENDING DECEMBER 31, 2013
(See Accountant's Compilation Report)

		General Fund	Capital Projects Fund	Total
Revenue:				
	Taxes:			
311	Property Taxes	$ 63,384	$ -	**$ 63,384**
313	Sales Taxes	477,372	-	**477,372**
314	Gross Receipts	30,184	-	**30,184**
319	Penalties and Interest	365	-	**365**
320	Licenses and Permits	325	-	**325**
	Intergovernmental Revenue:			
334	Federal Grant	6,201	-	**6,201**
335	Bank Franchise Tax	424	-	**424**
335	Motor Vehicle Commercial Prorate	744	-	**744**
335	Liquor Tax Reversion	3,985	-	**3,985**
335	Motor Vehicle Licenses (5%)	1,508	-	**1,508**
335.1	Local Government Highway and Bridge	14,325	-	**14,325**
335.2	Other	708	-	**708**
338	County Road Tax (25%)	10,807	-	**10,807**
	Charges for Goods and Services:			
346	Culture-Recreation - Golf Course and Restaurant	52,514	-	**52,514**
	Miscellaneous Revenue:			
361	Investment Earnings	2,628	-	**2,628**
362	Rentals	3,215	-	**3,215**
368	Liquor Operating Agreements	4,932	-	**4,932**
369	Other	1,632	-	**1,632**
Total Revenue		**675,253**	-	**675,253**

CITY OF EAGLE BUTTE

GOVERNMENTAL FUNDS STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCES – MODIFIED CASH BASIS (CONTINUED)
YEAR ENDING DECEMBER 31, 2013
(See Accountant's Compilation Report)

		General Fund	Capital Projects Fund	Total
Expenditures:				
	General Government:			
411	Legislative	47,625	-	**47,625**
412	Executive	17,342	-	**17,342**
413	Elections	883	-	**883**
414	Financial Administration	184,670	-	**184,670**
419	Other	25,822	-	**25,822**
	Public Safety:			
421	Police	198,954	-	**198,954**
422	Fire	28,316	-	**28,316**
	Public Works:			
431	Highway and Streets	132,796	55,350	**188,146**
432	Sanitation	412	-	**412**
435	Airport	9,101	-	**9,101**
	Health and Welfare:			
441	Health	1,879	-	**1,879**
	Culture and Recreation:			
451	Recreation-Golf Course and Restaurant	68,007	-	**68,007**
451	Recreation-Ballparks and Other	13,090	-	**13,090**
452	Parks	32,304	-	**32,304**
	Conservation and Development:			
465	Promoting the City	13,463	-	**13,463**
470	Debt Service	61,844	-	**61,844**
485	Capital Outlay	164,487	-	**164,487**
Total Expenditures		**1,000,995**	**55,350**	**1,056,345**
Excess Expenditures Over Revenues		**(325,742)**	**(55,350)**	**(381,092)**
Other Financing Sources				
391	Transfer In	245,742	-	**245,742**
391.2	Long-Term Debt Issued	80,000	-	**80,000**
		325,742	-	**325,742**
Net Change in Fund Balance - Modified Cash Basis		-	**(55,350)**	**(55,350)**
Fund Balance - December 31, 2012		-	-	-
Fund Deficit - December 31, 2013		$ -	$ **(55,350)**	$ **(55,350)**

CITY OF EAGLE BUTTE

PROPRIETARY FUNDS STATEMENT OF NET POSITION - MODIFIED CASH BASIS
DECEMBER 31, 2013
(See Accountant's Compilation Report)

		Liquor Fund	Water Fund	Sewer Fund	Totals
Assets:					
Current Assets:					
101	Cash	$ 190,046	$ 301,306	$ 169,868	$ **661,220**
105.2	Savings Certificate - Investments	105,012	105,011	14,604	**224,627**
107.2	Restricted Savings Certificate - Investments	-	-	28,441	**28,441**
151	Investments	-	-	123,620	**123,620**
Total Current Assets		**$ 295,058**	**$ 406,317**	**$ 336,533**	**$ 1,037,908**
Net Position:					
253.2	Restricted for Debt Service	$ -	$ -	$ 28,441	$ **28,441**
253.9	Unrestricted	295,058	406,317	308,092	**1,009,467**
TOTAL NET POSITION		**$ 295,058**	**$ 406,317**	**$ 336,533**	**$ 1,037,908**

CITY OF EAGLE BUTTE

PROPRIETARY FUNDS STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN FUND NET POSITION -MODIFIED CASH BASIS
YEAR ENDING DECEMBER 31, 2013
(See Accountant's Compilation Report)

		Liquor Fund	Water Fund	Sewer Fund	Total
Operating Revenue:					
380	Charges for Goods and Services and Operating Agreement	$ 1,525,365	$ 722,002	$ 324,239	$ **2,571,606**
	Customer Deposits Received (Net)	-	4,492	-	**4,492**
Total Operating Revenue		**1,525,365**	**726,494**	**324,239**	**2,576,098**
Operating Expenses:					
410	Personal Services	121,849	147,759	165,697	**435,305**
420	Operating Expenses	69,206	108,099	67,335	**244,640**
426.2	Materials (Cost of Goods Sold)	1,083,467	381,943	-	**1,465,410**
429	Taxes Collected to be Remitted	(262)	-	-	**(262)**
Total Operating Expenses		**1,274,260**	**637,801**	**233,032**	**2,145,093**
Operating Income		**251,105**	**88,693**	**91,207**	**431,005**
Nonoperating Revenue (Expenses):					
361	Investment Earnings	5,012	5,011	54,631	**64,654**
441	Principal and Interest Payments on Debt	-	-	(27,423)	**(27,423)**
485	Capital Outlay	-	(592,575)	-	**(592,575)**
511	Transfer Out	(245,742)	-	-	**(245,742)**
391.2	Long-Term Debt Issued	-	103,718	-	**103,718**
Total Nonoperating Revenue (Expenses)		**(240,730)**	**(483,846)**	**27,208**	**(697,368)**
Income (Loss) before Capital Grant		**10,375**	**(395,153)**	**118,415**	**(266,363)**
391.07	Capital Grant	-	414,874	-	**414,874**
Change in Net Position - Modified Cash Basis		**10,375**	**19,721**	**118,415**	**148,511**
Net Position - December 31, 2012		284,683	386,596	218,118	**889,397**
Net Position - December 31, 2013		**$ 295,058**	**$ 406,317**	**$ 336,533**	**$ 1,037,908**

CITY OF EAGLE BUTTE

STATEMENT OF FIDUCIARY NET POSITION - MODIFIED CASH BASIS
DECEMBER 31, 2013
(See Accountant's Compilation Report)

		Private-Purpose Trust Fund
Assets:		
101	Cash	$ -
104	Investments - Governmental Mutal Funds	-
TOTAL ASSETS		$ -
Net Position:		
253	Restricted for Retirement	$ -
TOTAL NET POSITION		$ -

CITY OF EAGLE BUTTE

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION - MODIFIED CASH BASIS
YEAR ENDING DECEMBER 31, 2013
(See Accountant's Compilation Report)

	Private-Purpose Trust Fund
Additions:	
361 Investment Loss	$ (2)
Total Additions	**(2)**
Deductions:	
455 Pension and Pension Refunds	615
Total Deductions	**615**
Change in Net Position - Modified Cash Basis	(617)
Net Position - December 31, 2012	617
Net Position - December 31, 2013	$ -

CITY OF EAGLE BUTTE

GOVERNMENTAL FUND STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCE - MODIFIED CASH BASIS
FOR THE MONTH ENDED DECEMBER 31, 2013
(See Accountant's Compilation Report)

		General Fund	Capital Projects Fund	Total
Revenue:				
	Taxes:			
311	Property Taxes	$ 6,297	$ -	$ 6,297
313	Sales Taxes	63,570	-	63,570
314	Gross Receipts	4,815	-	4,815
319	Penalties and Interest	47	-	47
	Intergovernmental Revenue:			
335	Motor Vehicle Licenses (5%)	94	-	94
338	County Road Tax (25%)	359	-	359
	Miscellaneous Revenue:			
361	Investment Earnings	1,482	-	1,482
362	Rentals	175	-	175
368	Liquor Operating Agreements	294	-	294
Total Revenue		**77,133**	-	**77,133**
Expenditures:				
	General Government:			
411	Legislative	5,403	-	5,403
412	Executive	1,807	-	1,807
413	Elections	20	-	20
414	Financial Administration	16,113	-	16,113
419	Other	5,125	-	5,125
	Public Safety:			
421	Police	18,755	-	18,755
422	Fire	1,570	-	1,570
	Public Works:			
431	Highway and Streets	18,622	26,006	44,628
435	Airport	53	-	53
	Culture and Recreation:			
451	Recreation-Golf Course and Restaurant	1,292	-	1,292
451	Recreation-Ball Parks and Other	120	-	120
452	Parks	353	-	353
	Conservation and Development:			
470	Debt Service	1,833	-	1,833
485	Capital Outlay	-	-	-
Total Expenditures		**71,066**	**26,006**	**97,072**
Excess Expenditures Over Revenues		**6,067**	**(26,006)**	**(19,939)**
Other Financing Sources				
391.01	Transfer In	245,742	-	245,742
Net Change in Fund Balance - Modified Cash Basis		**251,809**	**(26,006)**	**225,803**
Fund Deficit - November 30, 2013		(251,809)	(29,344)	**(281,153)**
Fund Deficit - December 31, 2013		**$ -**	**$ (55,350)**	**$ (55,350)**

CITY OF EAGLE BUTTE

PROPRIETARY FUNDS STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN FUND NET POSITION -MODIFIED CASH BASIS
FOR THE MONTH ENDED DECEMBER 31, 2013
(See Accountant's Compilation Report)

		Liquor Fund	Water Fund	Sewer Fund	Total
Operating Revenue:					
380	Charges for Goods and Services and Operating Agreement	$ 121,041	$ 59,729	$ 24,944	$ **205,714**
	Customer Deposits Received (Net)	-	205	-	**205**
Total Operating Revenue		**121,041**	**59,934**	**24,944**	**205,919**
Operating Expenses:					
410	Personal Services	9,237	12,477	12,367	**34,081**
420	Operating Expenses	4,867	8,321	13,300	**26,488**
426.2	Materials (Cost of Goods Sold)	95,261	61,295	-	**156,556**
429	Taxes Collected to be Remitted	11,005	-	-	**11,005**
Total Operating Expenses		**120,370**	**82,093**	**25,667**	**228,130**
Operating Income (Loss)		**671**	**(22,159)**	**(723)**	**(22,211)**
Nonoperating Revenue (Expense):					
361	Investment Earnings	5,012	5,011	(2,468)	**7,555**
485	Capital Outlay	-	(2,476)	-	**(2,476)**
511	Transfer Out	(245,742)	-	-	**(245,742)**
Total Nonoperating Expense		**(240,730)**	**2,535**	**(2,468)**	**(240,663)**
Change in Net Position - Modified Cash Basis		**(240,059)**	**(19,624)**	**(3,191)**	**(262,874)**
Net Position - November 30, 2013		535,117	425,941	339,724	**1,300,782**
Net Position - December 31, 2013		**$ 295,058**	**$ 406,317**	**$ 336,533**	**$ 1,037,908**

CITY OF EAGLE BUTTE

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION - MODIFIED CASH BASIS
FOR THE MONTH ENDED DECEMBER 31, 2013
(See Accountant's Compilation Report)

		Private-Purpose Trust Fund
Additions:		
361	Investment Gain	$ -
Deductions:		
455	Pension and Pension Refunds	-
Change in Net Position - Modified Cash Basis		-
Net Position - November 30, 2013		-
Net Position -December 31, 2013		$ -

CITY OF EAGLE BUTTE

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DonnaDenker&Associates
certified public accountants

INDEPENDENT AUDITOR'S REPORT

To the Mayor and City Council
City of Eagle Butte, South Dakota

We have audited the accompanying modified cash basis financial statements of the governmental activities, the business-type activities, each major fund, the aggregate remaining fund information, and the related notes to the financial statements of the City of Eagle Butte, South Dakota (the City), as of and for the year ended December 31, 2012, which collectively comprise the City's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

The City's management is responsible for the preparation and fair presentation of these financial statements in accordance with the modified cash basis of accounting described in Note 1.c.; this includes determining that the modified cash basis of accounting is an acceptable basis for the preparation of the financial statements in the circumstances. Management is responsible for the design, implementation, and maintenance of internal controls relevant to the preparation and fair presentation of financial statements that are free from material misstatements, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatements of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, the financial statements referred to previously present fairly, in all material respects, the respective financial position – modified cash basis of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the City, as of December 31, 2012, and the respective changes in financial position – modified cash basis, thereof for the year then ended in conformity with the basis of accounting described in Note 1.

We draw attention to Note 1.c. of the financial statements, which describes the basis of accounting. The financial statements are prepared on the modified cash basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

Other Matters

Our audit was conducted for the purpose of forming opinions on the modified cash basis of accounting financial statements that collectively comprise the City of Eagle Butte's financial statements as a whole. The management's discussion and analysis and budgetary comparison information on pages 3 through 7 and 27 to 28 are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information has not been subjected to auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated May 14, 2014, on our consideration of the City of Eagle Butte, South Dakota's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and should be considered in assessing the results of our audit.

Donna Denker & Associates
Certified Public Accountants

May 14, 2014

CITY OF EAGLE BUTTE

MANAGEMENT'S DISCUSSION AND ANALYSIS
DECEMBER 31, 2012

Our discussion and analysis of the City of Eagle Butte's (the City) financial performance provides an overview of the City's financial activities for the year ended December 31, 2012, within the limitations of the City's modified cash basis of accounting. We encourage readers to consider it in conjunction with the City's financial statements.

FINANCIAL HIGHLIGHTS

- The City funded various airport projects totaling approximately $228,000 in the General Fund with multiple Federal Aviation Administration and USDA Rural Development grants during 2012.
- The City experienced an increase in enterprise fund revenues of ten percent due to rate increases in January and June 2012.
- The City began several large construction processes by incurring engineering costs and evaluating potential funding sources including grants and debt through Rural Development. The total expended in 2012 towards these projects was $94,770 within the General, Water and Sewer Funds.
- The Liquor Fund transferred $147,462 to the General Fund to eliminate the General Fund's 2012 operating deficit.
- The City received a small community planning grant for engineering studies on water and sewer utilities totaling $18,000.

USING THIS ANNUAL REPORT

This annual report is presented in a format consistent with the presentation requirements of the Governmental Accounting Standards Board (GASB) Statement No. 34, as applicable to the City's modified cash basis of accounting.

Report Components

This annual report consists of four parts as follows:

Government-wide Financial Statements: The Statement of Net Position and the Statement of Activities provide information about the activities of the City using a government-wide focus (or "as a whole").

Fund Financial Statements: Fund financial statements focus on the individual parts of the City government. Fund financial statements also report the City's operations in more detail than the government-wide statements by providing information about the City's most significant ("major") funds. For *governmental activities*, these statements tell how these services were financed in the short term, as well as what remains for future spending. For *proprietary activities*, these statements offer financial information about the activities the City operates like businesses, such as water, sewer, and solid waste services.

Notes to the Financial Statements: The notes to the financial statements are an integral part of the government-wide and fund financial statements and provide expanded explanation and details regarding the information reported in the statements.

Other Information: This Management's Discussion and Analysis and the Budgetary Comparison Schedule represent financial information that may be presented. Such information provides users of this report with additional data that supplements the government-wide statements, fund financial statements, and notes (referred to as "the basic financial statement").

Basis of Accounting

The City has elected to present its financial statements on a modified cash basis of accounting. This modified cash basis of accounting is a basis of accounting other than generally accepted accounting principles. Basis of accounting is a reference to *when* financial events are recorded, such as the timing for recognizing revenues, expenses, and their related assets and liabilities. Under the City's modified cash basis of accounting, revenues and expenses, and related assets are recorded when they result from cash transactions.

CITY OF EAGLE BUTTE

MANAGEMENT'S DISCUSSION AND ANALYSIS (CONTINUED)
DECEMBER 31, 2012

USING THIS ANNUAL REPORT (CONTINUED)

Basis of Accounting (Continued)

An acceptable modification to the cash basis of accounting implemented by the City in these financial statements is the investment balances and investment transactions also included in the accompanying financial statements.

As a result of the use of this modified cash basis of accounting, certain assets and their related revenues, (such as accounts receivable and revenue for billed or provided services not yet collected) and liabilities and their related expenses (such as accounts payable and expenses for goods or services received but not yet paid, and accrued expenses and liabilities) *are not recorded* in these financial statements. Therefore, when reviewing the financial information and discussion within this annual report, the reader should keep in mind the limitations resulting from the use of the modified cash basis of accounting.

Reporting the City as a Whole

The City's Reporting Entity Presentation

This annual report includes all activities for which the City of Eagle Butte's City Commission is fiscally responsible. These activities, defined as the City's reporting entity, are operated within separate legal entities that make up the primary government. The primary government includes the legal entity of the City of Eagle Butte.

The Government-wide Statement of Net Position and the Statement of Activities

One of the most important questions asked about the City's finances is, "Is the City as a whole better off or worse off as a result of the year's activities?" The Statement of Net Position and the Statement of Activities report information about the City as a whole and about its activities in a way that helps answer this question. These statements include all of the City's assets resulting from the use of the modified cash basis of accounting.

These two statements report the City's net position and changes in them. Keeping in mind the limitations of the modified cash basis of accounting, you can think of the City's net position as one way to measure the City's financial health or financial position. Over time, increases or decreases in the City's net position are one indicator of whether its financial health is improving or deteriorating. You will need to consider other nonfinancial factors, however, such as changes in the City's sales tax base and the condition of the City's roads, to assess the overall health of the City.

In the Statement of Net Position and the Statement of Activities, we divide the City into two kinds of activities:

> *Governmental activities.* Most of the City's basic services are reported here, including the police, general government, streets and parks. Sales taxes, property taxes and state and federal grants finance most of these activities.
>
> *Business-type activities.* The City charges a fee to customers to help it cover all or most of the cost of certain services it provides. The City's liquor store, water system, and sewer system are reported here.

Reporting the City's Most Significant Funds

The Fund Financial Statements

The fund financial statements provide detailed information about the most significant funds, not the City as a whole. Some funds are required to be established by State law and by bond covenants. However, the City Commission establishes certain other funds to help it control and manage money for particular purposes or to show that it is meeting legal responsibilities for using certain taxes, grants, and other money. The City has three kinds of funds – *Governmental, Proprietary, and Fiduciary.*

CITY OF EAGLE BUTTE

MANAGEMENT'S DISCUSSION AND ANALYSIS (CONTINUED)
DECEMBER 31, 2012

USING THIS ANNUAL REPORT (CONCLUDED)

Reporting the City's Most Significant Funds (Continued)

The Fund Financial Statements (Continued)

Governmental funds - Most of the City's basic services are reported in governmental funds, which focus on how money flows into and out of those funds and the balances left at year-end that are available for spending. These funds report the acquisition of capital assets and payments for debt principal as expenditures and not as changes to asset and debt balances. The governmental fund statements provide a detailed short-term view of the City's general government operations and the basic services it provides. Governmental fund information helps you determine (through a review of changes to fund balance) whether there are more or fewer financial resources that can be spent in the near future to finance the City's programs. The City considers the General Fund to be its significant or major governmental fund.

Proprietary funds - When the City charges customers for the services it provides, these services are generally reported in proprietary funds. The City's proprietary (enterprise) fund financial statements are essentially the same as the business-type activities we report in the government-wide statements, but the fund statements provide more detail and additional information. The Liquor, Water and Sewer Funds are major proprietary funds of the City.

Fiduciary funds – Funds used to account for assets that are held in trustee or fiduciary capacity. The private-purpose trust retirement fund is the only fund maintained by the City.

A FINANCIAL ANALYSIS OF THE CITY AS A WHOLE

Net Position – Modified Cash Basis

The City's combined net position, resulting from modified cash basis transactions, are as follows:

	Governmental Activities		Business-Type Activities		Totals	
	2012	2011	**2012**	2011	**2012**	2011
ASSETS:						
Cash	**$ -**	$ -	**$ 575,017**	$ 448,293	**$ 575,017**	$ 448,293
Investments	**-**	-	**314,380**	204,272	**314,380**	204,272
TOTAL POSITION	**$ -**	$ -	**$ 889,397**	$ 652,565	**$ 889,397**	$ 652,565
NET POSITION:						
Restricted	**$ -**	$ -	**$ 28,440**	$ 28,440	**$ 28,440**	$ 28,440
Unrestricted	**-**	-	**860,957**	624,125	**860,957**	624,125
TOTAL NET POSITION	**$ -**	$ -	**$ 889,397**	$ 652,565	**$ 889,397**	$ 652,565

CITY OF EAGLE BUTTE

MANAGEMENT'S DISCUSSION AND ANALYSIS (CONTINUED)
DECEMBER 31, 2012

A FINANCIAL ANALYSIS OF THE CITY AS A WHOLE (CONTINUED)

Changes in Net Position-Modified Cash Basis

For the years ended December 31, 2012 and 2011, net position of the primary government (resulting from modified cash basis transactions) are as follows:

	Governmental Activities		Business-Type Activities		Totals	
	2012	2011	2012	2011	2012	2011
Programs Revenues						
Charges for Services	$ 90,618	$ 39,256	$ 2,523,698	$2,295,659	$ 2,614,316	$ 2,334,915
Operating Grants and Contributions	25,719	44,788	-	-	25,719	44,788
Capital Grants and Contributions	306,491	296,598	18,000	-	324,491	296,598
General Revenues						
Property Tax	67,837	60,491	-	-	67,837	60,491
Sales Tax	455,755	552,263	-	-	455,755	552,263
State Shared Revenues	4,494	2,800	-	-	4,494	2,800
Investment Income (Losses)	1,953	1,334	11,288	(16,734)	13,241	(15,400)
Miscellaneous	1,640	7,581	-	3,827	1,640	11,408
Total Revenues	954,507	1,005,111	2,552,986	2,282,752	3,507,493	3,287,863
Expenses						
General Government	268,183	245,705	-	-	268,183	245,705
Public Safety	196,980	234,935	-	-	196,980	234,935
Public Works	394,978	578,052	-	-	394,978	578,052
Health and Welfare	13,836	6,926	-	-	13,836	6,926
Culture and Recreation	195,981	135,604	-	-	195,981	135,604
Conservation and Development	32,011	21,070	-	-	32,011	21,070
Liquor	-	-	1,234,761	1,140,425	1,234,761	1,140,425
Water	-	-	655,351	563,563	655,351	563,563
Sewer	-	-	278,580	263,029	278,580	263,029
Total Expenses	1,101,969	1,222,292	2,168,692	1,967,017	3,270,661	3,189,309
Transfers	147,462	178,252	(147,462)	(178,252)	-	-
Beginning Balance	-	38,929	652,565	515,082	652,565	554,011
Change in Net Position	-	(38,929)	236,832	137,483	236,832	98,554
Ending Net Position	$ -	$ -	$ 889,397	$ 652,565	$ 889,397	$ 652,565

CITY OF EAGLE BUTTE

MANAGEMENT'S DISCUSSION AND ANALYSIS (CONCLUDED)
DECEMBER 31, 2012

A FINANCIAL ANALYSIS OF THE CITY AS A WHOLE (CONCLUDED)

Governmental Activities

To aid in the understanding of the Statement of Activities, some additional explanation is given. Of particular interest is the format that is significantly different from a typical Statement of Revenue, Expenses, and Changes in Fund Balance. You will notice that expenses are listed in the first column, with revenues from that particular program reported to the right. The result is a Net Change in Net Position. This type of format highlights the relative financial burden of each of the functions on the City's taxpayers. It also identifies how much each function draws from the general revenues or if it is self-financing through fees and grants or contributions. All other governmental revenues are reported as general. It is important to note that all taxes are classified as general revenue, even if restricted for a specific purpose.

For the year ended December 31, 2012, total expenses for governmental activities, resulting from modified cash basis transactions, amounted to $1,101,969, a decrease from 2011 of 9.8 percent. A significant portion of the decrease in expenditures was due to the airport projects being completed. Revenues decreased in 2012 by 5 percent, primarily due to a decrease in sales tax revenue.

Business-Type Activities

For fiscal year 2012, the business-type activities reported net revenues over expenses of $236,832, after transfers. The net revenues over expenses is up approximately $100k from 2011 due to rate increases in water and sewer.

A FINANCIAL ANALYSIS OF THE CITY'S FUNDS

Certain funds experienced noteworthy changes from the prior year and are highlighted as follows:

- On the modified cash basis of accounting, the General Fund reported revenues and transfers in of $1,101,969 and expenditures of $1,101,969.
- The Liquor Fund, Water Fund, and Sewer Fund reported net position of $284,683, $386,596 and $218,118 at the end of 2012, respectively.

General Fund Budgetary Highlights

The City adopted supplemental appropriations to cover unexpected expenditures, primarily airport expenditures.

ECONOMIC FACTORS AND NEXT YEAR'S BUDGET AND RATES

For the upcoming year ending December 31, 2013, the City has adopted a formal budget based on expected revenues and expenses. On September 27, 2012, the City was awarded the following:

- A $593,000 Drinking Water State Revolving Fund (SRF) Loan with $474,000 in principal forgiveness for the City's Water Meter Replacement Project with terms of zero percent for 10 years.
- A $1,244,000 Drinking Water SRF Loan with $995,000 in principal forgiveness was awarded for water distribution system improvements with terms of zero percent for 30 years.
- A $1,561,000 Clean Water SRF loan and a $173,000 Consolidate Water Facilities Construction Program grant for its wastewater facilities improvements project. The loan terms are 3 percent interest for 20 years.

The City expended approximately $30,000 during 2012 for planning and engineering for these projects.

CONTACTING THE CITY'S FINANCIAL MANAGEMENT

This financial report is designated to provide a general overview of the City's finances and to demonstrate the City's accountability for the money it receives. If you have questions about this report or need additional financial information, contact the City of Eagle Butte, Finance Officer, P.O. Box 150, Eagle Butte, SD 57625.

CITY OF EAGLE BUTTE

STATEMENT OF NET POSITION - MODIFIED CASH BASIS
DECEMBER 31, 2012

	Governmental Activities	Business-Type Activities	Total
ASSETS:			
Cash	$ -	$ 575,017	**$ 575,017**
Investments	-	285,940	**285,940**
Restricted Investments	-	28,440	**28,440**
TOTAL ASSETS	**$ -**	**$ 889,397**	**$ 889,397**
NET POSITION:			
Restricted for:			
Debt Service	$ -	$ 28,440	**$ 28,440**
Change in Net Position - Modified Cash Basis	-	860,957	**860,957**
TOTAL NET POSITION	**$ -**	**$ 889,397**	**$ 889,397**

The accompanying notes are an integral part of this statement.

CITY OF EAGLE BUTTE

STATEMENT OF ACTIVITIES - MODIFIED CASH BASIS
FOR THE YEAR ENDED DECEMBER 31, 2012

		--- Program Revenues ---			----- Net (Expense) Revenue and ----- Changes in Net Position		
Functions/Programs	**Expenses**	**Charges for Services**	**Operating Grants and Contributions**	**Capital Grants and Contributions**	**Governmental Activities**	**Business-Type Activities**	**Total**
Primary Government:							
Governmental Activities:							
General Government	$ 268,183	$ 8,727	$ -	$ -	$ (259,456)	$ -	**$ (259,456)**
Public Safety	196,980	-	-	-	(196,980)	-	**(196,980)**
Public Works	394,978	-	25,719	306,491	(62,768)	-	**(62,768)**
Health and Welfare	13,836	-	-	-	(13,836)	-	**(13,836)**
Culture and Recreation	195,981	81,891	-	-	(114,090)	-	**(114,090)**
Conservation and Development	32,011	-	-	-	(32,011)	-	**(32,011)**
Total Governmental Activities	**1,101,969**	**90,618**	**25,719**	**306,491**	**(679,141)**	**-**	**(679,141)**
Business Type Activities							
Liquor	1,234,761	1,438,322	-	-	-	203,561	**203,561**
Water	655,351	744,876	-	8,000	-	97,525	**97,525**
Sewer	278,580	340,500	-	10,000	-	71,920	**71,920**
Total Business-Type Activities	**2,168,692**	**2,523,698**	**-**	**18,000**	**-**	**373,006**	**373,006**
Total Primary Government	**$ 3,270,661**	**$ 2,614,316**	**$ 25,719**	**$ 324,491**	(679,141)	373,006	**(306,135)**
General Revenues:							
Taxes:							
Property Taxes					67,837	-	**67,837**
Sales Taxes					455,755	-	**455,755**
State Shared Revenues					4,494	-	**4,494**
Unrestricted Investment Earnings					1,953	11,288	**13,241**
Miscellaneous Revenue					1,640	-	**1,640**
Transfers					147,462	(147,462)	**-**
Total General Revenues and Transfers					**679,141**	**(136,174)**	**542,967**
Change in Net Position					**-**	**236,832**	**236,832**
Net Position-December 31, 2011					**-**	**652,565**	**652,565**
Net Position-December 31, 2012					**$ -**	**$ 889,397**	**$ 889,397**

The accompanying notes are an integral part of this statement.

CITY OF EAGLE BUTTE

GOVERNMENTAL FUNDS BALANCE SHEET - MODIFIED CASH BASIS
DECEMBER 31, 2012

		General Fund
ASSETS:		
101	Cash	$ -
TOTAL ASSETS		$ -
262	Fund Balance - Unassigned	$ -
TOTAL FUND BALANCE		$ -

The accompanying notes are an integral part of this statement.

CITY OF EAGLE BUTTE

GOVERNMENTAL FUNDS STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCE -MODIFIED CASH BASIS
FOR THE YEAR ENDED DECEMBER 31, 2012

		General Fund
Revenue:		
310	*Taxes:*	
311	Property Taxes	$ 65,568
313	Sales Taxes	455,755
315	Amusement Taxes	732
319	Penalties and Interest on Delinquent Taxes	1,537
320	Licenses and Permits	400
330	*Intergovernmental Revenue:*	
331	Federal Grants - Airport Project	306,491
335.01	Bank Franchise Tax	375
335.02	Motor Vehicle Commercial Prorate	651
335.03	Liquor Tax Reversion	4,119
335.04	Motor Vehicle Licenses (5%)	1,333
335.08	Local Government Highway and Bridge	14,048
338.01	County Road Tax (25%)	9,687
340	*Charges for Goods and Services:*	
346	Culture and Recreation - Golf Course	81,891
360	*Miscellaneous Revenue:*	
361	Investment Earnings	1,953
362	Rentals	3,755
368	Liquor Operating Agreements	4,572
369	Other	1,640
Total Revenue		**954,507**

CITY OF EAGLE BUTTE

GOVERNMENTAL FUNDS STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS (CONTINUED)
FOR THE YEAR ENDED DECEMBER 31, 2012

		General Fund
Expenditures:		
410	*General Government:*	
411	Legislative	48,189
412	Executive	17,158
413	Elections	2,609
414	Financial Administration	165,037
419	Other	18,528
420	*Public Safety:*	
421	Police	170,049
422	Fire	26,931
430	*Public Works:*	
431	Highway and Streets	123,610
435	Airport	7,600
440	*Health and Welfare:*	
441	Health	13,836
450	*Culture and Recreation:*	
451	Recreation - Ballparks and Other	17,891
451	Recreation - Golf Course and Restaurant	118,483
452	Parks	28,643
460	*Conservation and Development:*	
465.3	Promoting the City	32,011
485	*Capital Outlay - Airport Project*	209,457
485	*Capital Outlay - Other*	101,937
Total Expenditures		**1,101,969**
Other Financing Sources		
391.01	Transfer In	147,462
Total Other Financing Sources		**147,462**
Net Change in Fund Balance - Modified Cash Basis		-
Fund Balance - December 31, 2011		-
262 **Fund Balance - December 31, 2012**		$ -

The accompanying notes are an integral part of this statement.

CITY OF EAGLE BUTTE

PROPRIETARY FUNDS STATEMENT OF NET POSITION - MODIFIED CASH BASIS
DECEMBER 31, 2012

		Liquor Fund	Water Fund	Sewer Fund	Totals
ASSETS:					
Current Assets:					
101	Cash	$ 184,683	$ 286,596	$ 103,738	$ 575,017
105.2	Savings Certificate - Investments	100,000	100,000	14,440	214,440
107.2	Restricted Savings Certificate - Investments	-	-	28,440	28,440
151	Investments	-	-	71,500	71,500
Total Current Assets		**$ 284,683**	**$ 386,596**	**$ 218,118**	**$ 889,397**
NET POSITION:					
253.2	Restricted for Debt Service	$ -	$ -	$ 28,440	$ 28,440
253.9	Unrestricted	284,683	386,596	189,678	860,957
Total Net Postion		**$ 284,683**	**$ 386,596**	**$ 218,118**	**$ 889,397**

The accompanying notes are an intergral part of this statement.

CITY OF EAGLE BUTTE

PROPRIETARY FUNDS STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN FUND NET POSITION -MODIFIED CASH BASIS
FOR THE YEAR ENDED DECEMBER 31, 2012

		Liquor Fund	Water Fund	Sewer Fund	Totals
Operating Revenue:					
380	Charges for Goods and Services and Operating Agreement	$ 1,438,322	$ 738,151	$ 340,500	$ **2,516,973**
	Customer Deposits Received (Net)	-	6,725	-	**6,725**
Total Operating Revenue		**1,438,322**	**744,876**	**340,500**	**2,523,698**
Operating Expenses:					
410	Personal Services	112,627	115,278	146,264	**374,169**
420	Operating Expenses	68,781	81,811	66,859	**217,451**
426.2	Materials (Cost of Goods Sold)	1,053,291	400,301	-	**1,453,592**
429	Taxes Collected to be Remitted	62	-	-	**62**
Total Operating Expenses		**1,234,761**	**597,390**	**213,123**	**2,045,274**
Operating Income		**203,561**	**147,486**	**127,377**	**478,424**
Nonoperating Revenue (Expenses):					
361	Investment Earnings	-	-	11,288	**11,288**
441	Principal and Interest Payments on Debt	-	-	(29,457)	**(29,457)**
485	Capital Outlay	-	(57,961)	(36,000)	**(93,961)**
Total Nonoperating Expenses		**-**	**(57,961)**	**(54,169)**	**(112,130)**
Grants and Transfer:					
331	Capital Grants	-	8,000	10,000	**18,000**
511	Transfer Out	(147,462)	-	-	**(147,462)**
Grants and Transfer		**(147,462)**	**8,000**	**10,000**	**(129,462)**
Change in Net Position - Modified Cash Basis		**56,099**	**97,525**	**83,208**	**236,832**
Net Position - December 31, 2011		228,584	289,071	134,910	**652,565**
Net Position - December 31, 2012		$ **284,683**	$ **386,596**	$ **218,118**	$ **889,397**

The accompanying notes are an integral part of this statement.

CITY OF EAGLE BUTTE

STATEMENT OF FIDUCIARY NET POSITION - MODIFIED CASH BASIS
DECEMBER 31, 2012

		Private-Purpose Trust Fund
ASSETS		
104	Investments - Governmental Mutual Funds	$ 617
TOTAL ASSETS		**$ 617**
NET POSITION		
	Restricted for Retirement	$ 617
TOTAL NET POSITION		**$ 617**

The accompanying notes are an intergral part of this statement.

CITY OF EAGLE BUTTE

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION - MODIFIED CASH BASIS
FOR THE YEAR ENDED DECEMBER 31, 2012

		Private-Purpose Trust Fund
Additions:		
361 Investment Earnings	$	34
Total Additions		**34**
Deductions		
455 Pension and Pension Refunds		960
Total Deductions		**960**
Change in Net Position - Modified Cash Basis		(926)
Net Position - December 31, 2011		1,543
Net Position - December 31, 2012	**$**	**617**

The accompanying notes are an integral part of this statement.

CITY OF EAGLE BUTTE

NOTES TO FINANCIAL STATEMENTS – MODIFIED CASH BASIS
DECEMBER 31, 2012

1. Summary of Significant Accounting Policies

As discussed further in Note 1.c, these financial statements are presented on a modified cash basis of accounting. The modified cash basis of accounting differs from accounting principles generally accepted in the United States of America (GAAP). Generally accepted accounting principles include all relevant Governmental Accounting Standards Board (GASB) pronouncements.

a. Financial Reporting Entity:

The reporting entity of the City of Eagle Butte (the City) consists of the primary government, which includes all of the funds, organizations, institutions, agencies, departments, and offices that make up the legal entity; those organizations for which the primary government is financially accountable; and other organizations for which the nature and significance of their relationship with the primary government are such that their exclusion would cause the financial reporting entity's financial statements to be misleading or incomplete.

b. Basis of Presentation:

Government-wide Financial Statements:
The Statement of Net Position and Statement of Activities display information about the reporting entity as a whole. These statements include all funds of the reporting entity, except fiduciary funds. The statements distinguish between governmental and business-type activities. Governmental activities generally are financed through taxes, intergovernmental revenues, and other non-exchange revenues. Business-type activities are financed in whole or in part by fees charged to external parties for goods or services.

The Statement of Activities presents a comparison between direct expenses and program revenues for each segment of the business-type activities of the City and for each function of the City's governmental activities. Direct expenses are those that are specifically associated with a program or function and, therefore, are clearly identifiable to a particular function. Program revenues include (a) charges paid by recipients of goods and services offered by the programs and (b) grants and contributions that are restricted to meeting the operational or capital requirements of a particular program. Revenues that are not classified as program revenues, including all taxes, are presented as general revenues.

Fund Financial Statements:
Fund financial statements of the reporting entity are organized into funds, each of which is considered to be a separate accounting entity. Each fund is accounted for by providing a separate set of self-balancing accounts that constitute its assets, liabilities, fund equity, revenues, and expenditures/expenses. Funds are organized into three major categories: governmental, proprietary and fiduciary. An emphasis is placed on major funds within the governmental and proprietary categories. A fund is considered major if it is the primary operating fund of the City or it meets the following criteria:

1. Total assets, liabilities, revenues, or expenditures/expenses of the individual governmental or enterprise fund are at least 10 percent of the corresponding total for all funds of that category or type, and
2. Total assets, liabilities, revenues, or expenditures/expenses of the individual governmental or enterprise fund are at least 5 percent of the corresponding total for all governmental and enterprise funds combined, or
3. Management has elected to classify one or more governmental or enterprise funds as major for consistency in reporting from year to year, or because of public interest in the fund's operations.

CITY OF EAGLE BUTTE

NOTES TO FINANCIAL STATEMENTS – MODIFIED CASH BASIS (CONTINUED)
DECEMBER 31, 2012

1. Summary of Significant Accounting Policies (Continued)

b. Basis of Presentation (Continued):

Fund Financial Statements (Continued):

The funds of the City's financial reporting entity are described below:

Governmental Funds:

General Fund – the General Fund is the general operating fund of the City. It is used to account for all financial resources except those required to be accounted for in another fund. The General Fund is always considered to be a major fund.

Proprietary Funds:

Enterprise Funds – enterprise funds are used to account for operations (a) that are financed and operated in a manner similar to private business enterprises, where the intent of the governing body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges; or (b) where the governing body has decided that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control, accountability, or other purposes.

Liquor Fund – Financed primarily by customer charges for goods and services and operating agreements, this fund accounts for the construction and operation of the on-sale municipal liquor store (SDCL 35-3-21). The liquor fund is a major fund.

Water Fund – Financed primarily by user charges, this fund accounts for the construction and operation of the municipal waterworks system and related facilities (SDCL 9-47-1). The water fund is a major fund.

Sewer Fund – Financed primarily by user charges, this fund accounts for the construction and operation of the municipal sanitary sewer system and related facilities (SDCL 9-48-2). The sewer fund is a major fund.

Fiduciary Funds:

Fiduciary fund types are used to account for assets held by a government unit in a trustee capacity or as an agent for individuals, private organizations, or other governmental units. Fiduciary funds are never considered major. The retirement fund is the only fiduciary fund of the City and is a private-purpose trust fund.

c. Measurement Focus and Basis of Accounting:

Measurement focus is a term used to describe how transactions are recorded within the various financial statements. Basis of accounting refers to when revenues and expenditures or expenses are recognized in the accounts and reported in the financial statements, regardless of the measurement focus.

CITY OF EAGLE BUTTE

NOTES TO FINANCIAL STATEMENTS – MODIFIED CASH BASIS (CONTINUED)
DECEMBER 31, 2012

1. Summary of Significant Accounting Policies (Continued)

c. Measurement Focus and Basis of Accounting (Continued):

Measurement Focus:
In the government-wide Statement of Net Position and Statement of Activities, both governmental and business-type activities are presented using the economic resources measurement focus, applied within the limitations of the modified cash basis of accounting as defined below.

In the fund financial statements, the current financial resources measurement focus or the economic resources measurement focus is used, applied within the limitations of the modified cash basis of accounting.

Basis of Accounting:
The government-wide Statement of Net Position and Statement of Activities and the fund financial statements, governmental and business-type activities are presented using a modified cash basis of accounting, which is a basis of accounting other than GAAP.

The modified cash basis of accounting involves the measurement of cash and cash equivalents and changes in cash and cash equivalents resulting from cash receipt and disbursement transactions. Under the modified cash basis of accounting, the statement of financial position reports only cash and cash equivalents. Under the modified cash basis of accounting, transactions are recorded in the accounts when cash and/or cash equivalents are received or disbursed. An acceptable modification to the cash basis of accounting implemented by the City in these financial statements is the investment balances and investment transactions are also included in the accompanying financial statements.

Under GAAP, transactions are recorded in the accounts when revenue is earned and liabilities are incurred. As a result of reporting on the modified cash basis of accounting, certain assets (i.e. capital assets) and their related revenues (such as accounts receivable and revenue for billed or provided services not yet collected) and certain liabilities and their related expenses (such as accounts payable and expenses for goods or services received but not yet paid, accrued expenses and liabilities, and capital assets and their related debt) are not recorded in these financial statements.

If the City applied GAAP, the fund financial statements for governmental funds would use the modified accrual basis of accounting, while the fund financial statements for proprietary fund types would use the accrual basis of accounting. All government-wide financial statements would be presented on the accrual basis of accounting.

d. Deposits and Investments:

For the purpose of financial reporting, "cash and cash equivalents" includes all demand and savings accounts and investments with a term to maturity at the date of acquisition of three months or less. Investments are recorded at fair market value.

e. Capital Assets:

Under the modified cash basis of accounting, the City's capital assets are considered a cost of the program for which they were acquired, for the amount paid in cash, in the government-wide financial statements, the fund financial statements, and the proprietary financial statements.

CITY OF EAGLE BUTTE

NOTES TO FINANCIAL STATEMENTS – MODIFIED CASH BASIS (CONTINUED)
DECEMBER 31, 2012

1. Summary of Significant Accounting Policies (Continued)

f. Long-Term Liabilities:

Under the modified cash basis of accounting, cash proceeds from long-term debt issuances are recorded as a receipt, while payments to creditors to reduce long-term debts are recorded as a cost of the program which benefits from the financing. Interest costs are not allocated, but are reported as a separate program cost category. Long-term debts arising from cash transactions of all funds are not reported as liabilities in these modified cash basis financial statements.

g. Program Revenues:

Program revenues derive directly from the program itself or from parties other than the City's taxpayers or citizenry, as a whole. Program revenues are classified into three categories, as follows:

1. Charges for services – These arise from charges to customers, applicants, or others who purchase, use, or directly benefit from the goods, services, or privileges provided, or are otherwise directly affected by the services.
2. Program-specific operating grants and contributions – These arise from mandatory and voluntary non-exchange transactions with other governments, organizations, or individuals that are restricted for use in a particular program.
3. Program-specific capital grants and contributions – These arise from mandatory and voluntary non-exchange transactions with other governments, organizations, or individuals that are restricted for the acquisition of capital assets for use in a particular program.

h. Proprietary Funds Revenue and Expense Classifications:

In the Proprietary Funds Statement of Revenues, Expenses, and Changes in Fund Net Position – Modified Cash Basis, revenues and expenses are classified as operating revenues and expenses unless the transactions relate to capital and related financing activities, noncapital financing activities, or investing activities.

i. Equity Classifications:

Government-wide Statements:
Equity is classified as net position and is displayed in two components under the modified cash basis:

1. Restricted net position – Consists of net position with constraints placed on their use either by (a) external groups such as creditors, grantors, contributors, or laws and regulations of other governments; or (b) law through constitutional provisions or enabling legislation.

2. Unrestricted net position – All other net positions that do not meet the definition of restricted.

Fund Financial Statements:
Governmental fund equity is classified as fund balance, and may distinguish between Nonspendable, Restricted, Committed, Assigned, or Unassigned components. Proprietary fund equity is classified the same as in the government-wide financial statements.

j. Application of Net Position:

It is the City's policy to first use restricted net position, prior to the use of unrestricted net position, when an expense is incurred for purposes for which both restricted and unrestricted net position are available.

CITY OF EAGLE BUTTE

NOTES TO FINANCIAL STATEMENTS – MODIFIED CASH BASIS (CONTINUED)
DECEMBER 31, 2012

1. Summary of Significant Accounting Policies (Concluded)

k. Fund Balance Classification Policies and Procedures

In accordance with Government Accounting Standards Board (GASB) No. 54, Fund Balance Reporting and Governmental Fund Type Definitions, the City classifies governmental fund balances as follows:

Nonspendable – includes fund balance amounts that cannot be spent either because it is not in spendable form or because of legal or contractual constraints.

Restricted – includes fund balance amounts that are constrained for specific purposes which are externally imposed by providers, such as creditors or amounts constrained due to constitutional provisions or enabling legislation.

Committed – includes fund balance amounts that are constrained for specific purposes that are internally imposed by the government through formal action of the highest level of decision making authority and does not lapse at year-end.

Assigned – includes fund balance amounts that are intended to be used for specific purposes that are neither considered restricted or committed. Fund Balance may be assigned by the City Council, Mayor, or Finance Officer.

Unassigned – includes positive fund balance within the General Fund which has not been classified within the above mentioned categories and negative fund balances in other governmental funds.

The City uses restricted /committed amounts first when both restricted and unrestricted fund balance is available unless there are legal documents/contracts that prohibit doing this, such as a grant agreement requiring dollar for dollar spending. Additionally, the City would first use committed, then assigned, and lastly unassigned amounts of unrestricted fund balance when expenditures are made.

The City does not have a formal minimum fund balance policy.

2. Deposits and Investments

The City follows the practice of aggregating the cash assets of various funds to maximize cash management efficiency and returns. Various restrictions on deposits and investments are imposed by statutes. These restrictions are summarized below:

Deposits - The City's cash deposits are made in qualified public depositories as defined by SDCL 4-6A-1, 9-22-6, 9-22-6.1, and 9-22-6.2, and may be in the form of demand or time deposits. Qualified depositories are required by SDCL 4-6A-3 to maintain at all times, segregated from their other assets, eligible collateral having a value equal to at least 100 percent of the public deposit accounts which exceed deposit insurance such as the FDIC and NCUA. In lieu of pledging eligible securities, a qualified public depository may furnish irrevocable standby letters of credit issued by federal home loan banks accompanied by written evidence of that bank's public debt rating, which may not be less than "AA," or a qualified public depository may furnish a corporate surety bond of a corporation authorized to do business in South Dakota.

Investments - In general, SDCL 4-5-6 permits City funds to be invested in (a) securities of the United States and securities guaranteed by the United States government either directly or indirectly; or (b) repurchase agreements fully collateralized by securities described in (a) above; or in shares of an open-end, no-load fund administered by an investment company whose investments are in securities described in (a) above and repurchase agreements described in (b) above. Also, SDCL 4-5-9 requires investments to be in the physical custody of the political subdivision or may be deposited in a safekeeping account with any bank or trust company designated by the political subdivision as its fiscal agent.

2. Deposits and Investments (Continued)

The City is invested in 2,507 shares of the Principal Financial Group stock with a fair market value of $71,500 at December 31, 2012. Such investment violates state law as noted above. The City received the stock due to a demutualization of the City's previous health insurance provider. The stock was not purchased by the City.

Custodial Credit Risk:

The risk that, in the event of a depository failure, the City's deposits may not be returned to it. The City does not have a deposit policy for custodial credit risk. As of December 31, 2012, none of the City's deposits were exposed to custodial credit risk.

Interest Rate Risk:

The City does not have a formal policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates.

Credit Risk:

State law limits eligible investments for the City, as discussed above. The City has no investment policy that would further limit its investment choices.

Assignment of Investment Income:

State law allows income from deposits and investments to be credited to either the General Fund or the fund making the investment. The City's policy is to credit all income from deposits and investments to the General Fund. GAAP, on the other hand, requires income from deposits and investments to be reported in the fund whose assets generated that income except where legal or contractual requirements require investment income to be credited to a fund other than the one associated with the assets. Where the governing board has discretion to credit investment income to a fund other than the fund that provided the resources for investment, a transfer to the designated fund is reported. Accordingly, in the fund financial statements, interfund transfers of investment earnings are reported, while in the government-wide financial statements, they have been eliminated, except for the net amounts transferred between governmental activities and business-type activities.

3. Property Taxes

Property taxes are levied on or before October 1 of the year preceding the start of the fiscal year. They attach as an enforceable lien on property, and become due and payable as of January 1, the first day of the fiscal year. Taxes are payable in two installments on or before April 30 and October 31 of the fiscal year. The City is permitted by several state statutes to levy varying amounts of taxes per $1,000 of taxable valuation on taxable real property in the City.

CITY OF EAGLE BUTTE

NOTES TO FINANCIAL STATEMENTS – MODIFIED CASH BASIS (CONTINUED)
DECEMBER 31, 2012

4. Long-Term Debt

Changes in long-term debt for the year ending December 31, 2012:

	Balance 12/31/2011	Additions	Retirements	**Balance 12/31/2012**	Due Within One Year
Governmental Activities:					
Capital Lease - Street Sweeper	$ -	$ 65,000	$ 10,000	**$ 55,000**	$ 17,438
Business-Type Activities:					
2001 Sewer Revenue Bonds	198,606	-	3,335	**195,271**	3,487
2002 Sewer Revenue Bonds	139,381	-	2,636	**136,745**	3,138
2002 Sewer and Storm Utility Revenue Bonds	105,016	-	1,999	**103,017**	2,378
Total Business-Type	443,003	-	7,970	**435,033**	9,003
Total Primary Government	**$ 443,003**	**$ 65,000**	**$ 17,970**	**$ 490,033**	**$ 26,441**

Long-term debt at December 31, 2012, is comprised of the following:

Revenue Bonds	
2001 Sewer Revenue Bonds due in monthly installments of $1,017, including interest at 4.5 percent, through July 2041. Sewer revenues are pledged for these bonds. Financed through the Sewer Fund.	$ 195,271
2002 Sewer Revenue Bonds due in monthly installments of $771, including interest at 4.5 percent, through June 2037. Sewer revenues are pledged for these bonds. Financed through the Sewer Fund.	136,745
2002 Sewer and Storm Utility Revenue Bonds due in monthly installments of $582, including interest at 4.5 percent through May 2037. Sewer revenues are pledged for these bonds. Financed through the Sewer Fund.	103,017
Capital Lease	
Capital lease for purchase of a street sweeper. Due in annual installments of $20,215, including interest at 5.05 percent, through June 2015. Financed through the General Fund.	55,000
Total Long-Term Debt	**$ 490,033**

No cash was received for the capital lease purchase, so the transaction is not included in the accompanying financial statements. The original cost of the equipment was $65,000 and no depreciation is recorded.

The City has a bond reserve of $28,440 at December 31, 2012, in compliance with their debt covenants.

Pledged Revenue

The City has pledged future revenues of the Sewer Fund for the retirement of its revenue bonds listed above. This debt was used to fund capital projects. The current principal balance plus interest at the stated applicable rate over the life of the debt represents the amount of future revenue pledged. Below is a comparison of principal and interest payments and total pledged revenue for the current year:

Current Year Principal and Interest	$ 29,457
Pledged Sewer Fund Revenue	340,500

CITY OF EAGLE BUTTE

NOTES TO FINANCIAL STATEMENTS – MODIFIED CASH BASIS (CONTINUED)
DECEMBER 31, 2012

4. Long-Term Debt (Continued)

The annual requirements to amortize debt outstanding as of December 31, 2012 are as follows:

	Sewer Revenue Bonds		Capital Lease		**Total**	
	Principal	Interest	Principal	Interest	**Principal**	**Interest**
2013	$ 9,003	$ 19,436	$ 17,438	$ 2,778	**$ 26,441**	**$ 22,214**
2014	9,417	19,023	18,319	1,897	**27,736**	**20,920**
2015	9,850	18,590	19,243	972	**29,093**	**19,562**
2016	10,251	18,189	-	-	**10,251**	**18,189**
2017	10,774	17,666	-	-	**10,774**	**17,666**
2018-2022	61,712	80,488	-	-	**61,712**	**80,488**
2023-2027	77,256	64,944	-	-	**77,256**	**64,944**
2028-2032	96,695	45,505	-	-	**96,695**	**45,505**
2033-2037	112,039	21,183	-	-	**112,039**	**21,183**
2038-2041	38,036	3,028	-	-	**38,036**	**3,028**
Total	**$ 435,033**	**$ 308,052**	**$ 55,000**	**$ 5,647**	**$ 490,033**	**$ 313,699**

The total interest paid for the year ending December 31, 2012, was $20,469.

5. Retirement Plan

All employees, except for part-time employees, participate in the South Dakota Retirement System (SDRS), a cost-sharing, multiple employer public employee retirement system established to provide retirement benefits for employees of the State of South Dakota and its political subdivisions. The SDRS provides retirement, disability and survivor benefits. The right to receive retirement benefits vests after three years of credited service. Authority for establishing, administering and amending plan provisions are found in South Dakota Codified Law 3-12. The SDRS issues a publicly available financial report that includes financial statements and required supplementary information. That report may be obtained by writing to the SDRS, P.O. Box 1098, Pierre, SD 57501-1098 or by calling (605) 773-3731.

General employees are required by state statute to contribute 6 percent of their salary to the plan, while public safety and judicial employees contribute at 8 percent and 9 percent, respectively. State statute also requires the employer to contribute an amount equal to the employee's contribution. State statute also requires the employer to make an additional contribution in the amount of 6.2 percent for any compensation exceeding the maximum taxable amount for social security for general employees only. The City's share of contributions to the SDRS for the fiscal years ended December 31, 2012, 2011, and 2010 were **$82,973**, $99,045, and $12,322, respectively. The contributions during the years ended December 31, 2012 and 2011, included additional contributions of **$60,000** and $76,430, respectively, to provide a contribution equal to one year of retirement for current employees for each five years of consecutive full-time employment. These additional contributions were made in installments starting in 2011 and will continue into 2013.

6. Risk Management

The City is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. During the period ended December 31, 2012, the City managed its risks as follows:

Unemployment Benefits:

The City has elected to be self-insured and retain all risk for liabilities resulting from claims for unemployment benefits. During the year ended December 31, 2012, the City paid unemployment benefits totaling $4,239. At December 31, 2012, no claims had been filed for unemployment benefits.

CITY OF EAGLE BUTTE

NOTES TO FINANCIAL STATEMENTS – MODIFIED CASH BASIS (CONTINUED)
DECEMBER 31, 2012

6. Risk Management (Continued)

Health Insurance:

The City purchases health insurance for its employees from a commercial insurance carrier. Settled claims resulting from these risks have not exceeded the liability coverage during the past three years.

Liability Insurance:

The City joined the South Dakota Public Assurance Alliance (SDPAA), a public entity risk pool currently operating as a common risk management and insurance program for South Dakota local government entities. The objective of the SDPAA is to administer and provide risk management services and risk sharing facilities to the members and to defend and protect the members against liability, to advise members on loss control guidelines and procedures, and provide them with risk management services, loss control and risk reduction information and to obtain lower costs for that coverage. The City's responsibility is to promptly report to and cooperate with the SDPAA to resolve any incident which could result in a claim being made by or against the City. The City pays an annual premium, to provide liability coverage detailed below, under a claims-made policy and the premiums are accrued based on the ultimate cost of the experience to date of the SDPAA member, based on their exposure or type of coverage. The City pays an annual premium to the pool to provide coverage for general liability, errors and omissions, property, auto (liability and physical damage), pollution liability, and police professional liability.

The agreement with the SDPAA provides that the above coverages will be provided up to a $1,000,000 limit. Member premiums are used by the pool for payment of claims and to pay for reinsurance for claims in excess of $250,000 for property coverage and $500,000 for liability coverage to the upper limit. A portion of the member premiums are also allocated to a cumulative reserve fund, on the following basis.

End of City's First Full Year	50%
End of City's Second Full Year	60%
End of City's Third Full Year	70%
End of City's Fourth Full Year	80%
End of City's Fifth Full Year	90%
End of City's Sixth Full Year and Thereafter	100%

As of December 31, 2012, the City has a vested balance in the cumulative reserve fund of $-0-, as 2012 was the City's first year under SDPAA. The City does not carry additional insurance to cover claims in excess of the upper limit. Settled claims resulting from these risks have not exceeded the liability coverage during the past three years.

Worker's Compensation:

The City participates in the South Dakota Municipal League Worker's Compensation Fund, a public entity risk pool currently operating as a common risk management and insurance program for South Dakota local government entities. The objective of the fund is to formulate, develop, and administer, on behalf of the member organizations, a program of worker's compensation coverage, to obtain lower costs for that coverage, and to develop a comprehensive loss control program. The City's responsibility is to initiate and maintain a safety program to give its employees safe and sanitary working conditions and to promptly report to and cooperate with the Fund to resolve any worker's compensation claims. The City pays an annual premium, to provide worker's compensation coverage for its employees, under a self-funded program and the premiums are accrued based on the ultimate cost of the experience to date of the Fund members. Coverage limits are set by state statute. The pool pays the first $650,000 of any claim per individual. The pool has reinsurance which covers up to the statutory limit in addition to a separate combined employee employer liability limit of $2,000,000 per incident. The City does not carry additional insurance to cover claims in excess of the upper limit. Settled claims resulting from these risks have not exceeded the liability coverage during the past three years.

CITY OF EAGLE BUTTE

NOTES TO FINANCIAL STATEMENTS – MODIFIED CASH BASIS (CONCLUDED)
DECEMBER 31, 2012

7. Interfund Transfers

Interfund transfers for the year ended December 31, 2012, were as follows:

	Transfer In	Transfer Out
General Fund	$ 147,462	$ -
Liquor Fund	-	147,462
Total	**$ 147,462**	**$ 147,462**

The Liquor Fund transferred funds to the General Fund to eliminate a deficit cash balance in the General Fund primarily due to normal budgetary deficits of the General Fund and airport project expenditures.

CITY OF EAGLE BUTTE

BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS
GENERAL FUND
FOR THE YEAR ENDED DECEMBER 31, 2012

	Budgeted Amounts		Budgetary Basis Actual	
	Original	Final	Amounts	Variance
Revenue:				
310 Taxes:				
311 General Property Taxes	$ 63,000	$ 63,000	$ 65,568	$ 2,568
313 Sales Taxes	575,000	575,000	455,755	(119,245)
315 Amusement Taxes	500	500	732	232
319 Penalties and Interest on Delinquent Taxes	-	-	1,537	1,537
320 Licenses and Permits	400	400	400	-
330 Intergovernmental Revenue				
331 Federal Grants - Airport Project	-	306,491	306,491	-
335.01 Bank Franchise Tax	350	350	375	25
335.02 Motor Vehicle Commercial Prorate	1,500	1,500	651	(849)
335.03 Liquor Tax Reversion	3,000	3,000	4,119	1,119
335.04 Motor Vehicle Licenses (5%)	1,000	1,000	1,333	333
335.08 Local Government Highway and Bridge	7,500	7,500	14,048	6,548
338.01 County Road Tax (25%)	9,000	9,000	9,687	687
340 Charges for Goods and Services:				
346 Culture and Recreation - Golf Course	-	81,891	81,891	-
360 Miscellaneous Revenue:				
361 Investment Earnings	2,500	2,500	1,953	(547)
362 Rentals	1,800	1,800	3,755	1,955
368 Liquor Operating Agreements	5,000	5,000	4,572	(428)
369 Other	101,600	101,600	1,640	(99,960)
Total Revenue	**772,150**	**1,160,532**	**954,507**	**(206,025)**

CITY OF EAGLE BUTTE

BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS (CONTINUED)
GENERAL FUND
FOR THE YEAR ENDED DECEMBER 31, 2012

	Budgeted Amounts Original	Budgeted Amounts Final	Budgetary Basis - Actual Amounts	Variance
Expenditures:				
410 General Government:				
411 Legislative	35,000	48,189	48,189	-
412 Executive	19,000	19,000	17,158	1,842
413 Elections	1,000	2,609	2,609	-
414 Financial Administration	195,000	195,000	167,360	27,640
419 Other	80,000	80,000	32,867	47,133
420 Public Safety:				
421 Police	195,000	195,000	170,049	24,951
422 Fire	25,000	26,931	26,931	-
430 Public Works:				
431 Highways and Streets	197,000	197,000	158,921	38,079
435 Airport	10,000	236,057	236,057	-
440 Health and Welfare:				
441 Health	11,000	13,836	13,836	-
450 Culture and Recreation				
451 Recreation - Ballparks and Other	10,000	25,291	25,291	-
451 Recreation - Golf Course and Restaurant	42,000	133,718	118,483	15,235
452 Parks	46,000	53,207	52,207	1,000
460 Conservation and Development:				
465.3 Promoting the City	24,000	32,013	32,011	2
Total Expenditures	**890,000**	**1,257,851**	**1,101,969**	**155,882**
Other Financing Sources:				
391.01 Transfers In	-	147,462	147,462	-
Total Other Financing Sources	**-**	**147,462**	**147,462**	**-**
Net Change in Fund Balance	**(117,850)**	**50,143**	**-**	**(50,143)**
Fund Balance - December 31, 2011	-	-	-	-
Fund Balance - December 31, 2012	**$ (117,850)**	**$ 50,143**	**$ -**	**$ (50,143)**

The notes to the other information are an integral part of this statement.

CITY OF EAGLE BUTTE

NOTES TO OTHER INFORMATION
DECEMBER 31, 2012

(1) Budgets and Budgetary Accounting

The City's policy is to follow these procedures in establishing the budgetary data reflected in the financial statements.

1. At the first regular board meeting in September of each year or within ten days thereafter, the governing board introduces the annual appropriation ordinance for the ensuing fiscal year. The City approved the original 2012 budget during the February 15, 2012 council meeting.

2. After adoption by the governing board, the operating budget is legally binding and actual disbursements for each purpose cannot exceed the amounts budgeted, except as indicated in item number 4.

3. A line item for contingencies may be included in the annual budget. Such a line item may not exceed 5 percent of the total municipal budget and may be transferred by resolution of the governing board to any other budget category that is deemed insufficient during the year.

4. If it is determined during the year that sufficient amounts have not been budgeted, state statute allows the adoption of supplemental budgets.

5. Unexpended appropriations lapse at year end unless encumbered by resolution of the governing board.

6. The City did not encumber any amounts at December 31, 2012 and 2011.

7. Formal budgetary integration is employed as a management control device during the year for the general fund.

8. A budget for the general fund is adopted on a basis consistent with the modified cash basis of accounting.

(2) GAAP Budgetary Accounting Basis Differences

Financial statements prepared in conformity with the modified cash basis of accounting would present capital outlay expenditure information in a separate category of expenditures. Under the budgetary basis of accounting, capital outlay expenditures should be reported within the function to which they relate. For example, the purchase of a new fire truck should be reported as a capital outlay expenditure on the Governmental Funds Statement of Revenues, Expenditures, and Changes in Fund Balances; however, in the Budgetary Comparison Schedule, the purchase of a fire truck should be reported as an expenditure of the Public Safety/Fire Department function of government, along with all other current Fire Department related expenditures.

DonnaDenker&Associates
certified public accountants

INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

To the Mayor and City Council
City of Eagle Butte, South Dakota

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the City of Eagle Butte, South Dakota (the City), as of and for the year ended December 31, 2012, and the related notes to the financial statements, which collectively comprise Eagle Butte, South Dakota's basic financial statements and have issued our report thereon dated May 14, 2014.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the City's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, we do not express an opinion on the effectiveness of the City's internal control.

Our consideration of internal control was for the limited purpose described in the preceding paragraph and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as described in the accompanying schedule of findings and recommendations, we identified deficiencies in internal control that we consider to be a material weakness and a significant deficiency.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. We consider the deficiency 1-2010, described in the accompanying schedule of findings and recommendations, to be a material weakness.

A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance. We consider the deficiency 2-2012, described in the accompanying schedule of findings and recommendations, to be a significant deficiency.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the City's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion, the result of our tests disclosed instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards* and which are described in the accompanying schedule of findings and recommendations as item 1-2010.

We noted certain other matters that we reported to the management of the City in a separate letter dated May 14, 2014.

Eagle Butte, South Dakota's Response to Findings

The Municipality did not wish to respond to the findings identified in our audit as described in the accompanying schedule of auditor's findings and recommendations.

Purpose of This Report

This report is intended solely for the information and use of the South Dakota Legislature and the governing board and management of the City of Eagle Butte, South Dakota and is not intended to be and should not be used by anyone other than these specified parties. However, as required by South Dakota Codified Law 4-11-11, this report is a matter of public record and its distribution is not limited.

Donna Denker & Associates
Certified Public Accountants

May 14, 2014

CITY OF EAGLE BUTTE
SCHEDULE OF AUDITOR'S FINDINGS AND RECOMMENDATIONS
DECEMBER 31, 2012

MATERIAL WEAKNESS

1-2010 Investment in Public Funds

Condition: The City has $71,500 invested in common stock.

Criteria: Public funds are required to be invested in qualified public depositories as defined in SDCL 4-6A or specific types of investment as defined in SDCL 4-5-6. Common stock investments are not allowed within the statutes.

Cause: The City received common stock due to the demutualization of the City's prior health insurance provider. No action has been taken by the City Council to move the funds to an allowable account.

Result: The City is not in compliance with State statutes.

Recommendation: We recommend the city invest these funds in a public depository as allowed by SDCL 4-6A or in investments allowed by SDCL 4-5-6.

SIGNIFICANT DEFICIENCY

2-2012 Internal Control over Disbursements

Condition: The City's internal controls over expenditures and payroll improved again in 2012, however, we noted some exceptions to City procedures during testing.

Criteria: Strong internal control requires proper segregation of duties as well as documentation of review and approval. Without proper documentation and review the City is at risk for misappropriation of assets.

Cause: The City improved controls over expenditures and payroll during the year by including the assistant finance officer as part of the control process. In addition, reports were provided to the Mayor and Council. Although the internal controls over disbursements and payroll improved during the year, we noted some missing approvals.

Result: We noted invoices were not available with the check documentation for 4 of the 60 items selected for testing. The invoices should be available for the check signers during the approval process and maintained with the check documentation. The invoices were provided subsequent to our field work. In addition, we noted warrant vouchers were not available for 2 of 60 items selected for testing. We noted a small difference in the approved pay for one employee selected for testing.

Recommendation: Documentation of the review process is a key to a good internal control system. All documentation should be available during the check approval process and maintained with the check documentation. During review of payroll reports pay rates should be monitored to ensure the wage paid agrees with the approved rate. In addition, accounts payable and payroll reports should be reviewed, agreed to the meeting minutes and initialed by the Mayor or a designated Council Member to show approval.

FACILITIES PLAN

FOR

WATER SYSTEM IMPROVEMENTS
EAGLE BUTTE, SOUTH DAKOTA

April 2012

I hereby certify that this plan, specification or report was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of South Dakota.

By_____
Matthew N. Oedekoven, P.E.

South Dakota License No. 10252

Date 5/16/2012

DGR Project No. 662100

REGISTERED PROFESSIONAL ENGINEER
REG. NO
10252
MATTHEW N.
OEDEKOVEN
SOUTH DAKOTA

DEWILD GRANT RECKERT & ASSOCIATES COMPANY
CONSULTING ENGINEERS

ROCK RAPIDS, IA • **SIOUX FALLS, SD** • **SIOUX CITY, IA**
(712) 472-2531 **(605) 339-4157** **(712) 266-1554**

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FACILITIES PLAN

FOR

WATER SYSTEM IMPROVEMENTS
EAGLE BUTTE, SOUTH DAKOTA

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WATER RATE ANALYSIS

Existing Water Rate:	$36.35 per month for 5,000 gallons	Water Meter Replacement =	$593,000
		Hwy 212 & Sycamore =	$633,000
No. of Users:	907	Main Replacement =	$234,000
Principal:	$1,460,000	**Total Project Costs =**	**$1,460,000**
Interest Rate:	0.00%		
Repayment Period:	30 years		

Grant/Loan Ratio	0%	25%	50%	75%	100%
Grant Amount	$0	$365,000	$730,000	$1,095,000	$1,460,000
Loan Amount	$1,460,000	$1,095,000	$730,000	$365,000	$0
Debt Service	$48,667	$36,500	$24,333	$12,167	$0

Minimum Rate Increase Required for Debt Service	$4.47	$3.35	$2.24	$1.12	$0.00
Additional Revenue with Minimum Rate Increase	$48,667	$36,500	$24,333	$12,167	$0
Surplus/Deficit (Revenue - Debt Service)	$0	$0	$0	$0	$0
Proposed Water Rate	**$40.82**	**$39.70**	**$38.59**	**$37.47**	**$36.35**
Percentage Increase Required	**12%**	**9%**	**6%**	**3%**	**0%**

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FACILITIES PLAN

FOR

WATER SYSTEM IMPROVEMENTS
EAGLE BUTTE, SOUTH DAKOTA

I. INTRODUCTION

The City of Eagle Butte is a small community located in Dewey and Ziebach Counties in central South Dakota.

In March 2012, Dewild Grant Reckert and Associates (DGR) was hired to complete a Water System Study and to prepare a comprehensive report of the City's existing drinking water system and identify areas for operational efficiencies and improvements. The City currently purchases all of its drinking water from Tri-County Water Association, Inc. (also sometimes referred to as Mni Waste' Water). The City does not currently have a formal contract with Tri-County Water Association, Inc. (TCWA) for water service. The previous agreement between the City and TCWA was revoked in 1997 when management turnover within TCWA occurred.

Additionally, inefficiencies resulting from aging meters, poor access to meters during winter months, and significant tampering concerns have resulted in unreliable usage records. It has also been noted that there are areas within City limits that are not currently served with City water, and poor pressure and flows are evident in the southern portion of town. The aging infrastructure has resulted in multiple emergency repairs to their distribution system over the last several years.

II. ENVIRONMENTAL REVIEW

A. Environmental Information:

1. <u>Community Information</u>

a. Contact Information

The City of Eagle Butte may be contacted through one of the methods below:

Mail: City of Eagle Butte
P.O. Box 150
209 Main Street
Eagle Butte, SD 57265-0150

Phone: (605) 964-8783
Fax: (605) 964-8785

Email: sjganje@cityofeaglebutte.com

b. Employee Identification Number (EIN)
46-6003342

c. City Council - May 2012

Stephanie Davidson, Mayor
Richard Zacher
Kiel Lemke
Wanda M. Lind
Dale B. McCrea
Harley H. Morgan
J. Daniel Shepherd

The City of Eagle Butte has an aldermanic form of government whereby a six-person council is elected from three wards for staggered two-year terms and the mayor is elected at large by popular vote and serves a two-year term as well.

City Council Mission Statement:
The City of Eagle Butte Council shall govern with foresight, diplomacy, and diligence. It is our mission to provide quality and safe services that best meet the needs of the community for which they serve. The City shall act to ensure equality, liberty and justice for all.

City Council Goals and Objectives:

The City Council shall govern within the parameter provided by the State of South Dakota. The City Council's primary goal is to listen to the community and address the needs as expressed by the community or anticipated by the city council. The vision for our community is to continually strive to maintain past and current improvements, provide new improvements and added services and finally ensure a safe, esthetically pleasing and ever a progressive community where our residents wish to remain and others are drawn into the community either on a permanent basis (new business and new families) or on a temporary basis (tourism, industry, shopping, education and services).

Planning/Development Personnel:

-Sheila J. Ganje, Finance Officer

-Benjamin Jon Ganje, Streets/Parks/Water/Wastewater Superintendent

2. Geography/History

The City of Eagle Butte is a municipality located in the rural, agricultural based and economically depressed, north central South Dakota, approximately 80 miles northwest of the capital city of Pierre. The city limits place the Eagle Butte community within the counties of Dewey County and Ziebach County. Eagle Butte's location is equidistant to and from three major mid-western metropolitan trading centers, Rapid City, South Dakota, Aberdeen, South Dakota, and Bismarck, North Dakota. See aerial photo in Figure No. 1 at the end of this report.

The City of Eagle Butte is considered to be very remote by most standards with the closest cities located either 90 miles from Eagle Butte – Pierre, SD or 180 miles from Eagle Butte – Rapid City, SD. US Highway 212, one of the longest major routes in the United States, passes through the northern edge of the Eagle Butte Community and serves as a major route to and from Eagle Butte. Highway 63 runs west of Eagle Butte where it connects with a highway leading to Pierre in one direction or to the Black Hills in another direction.

The City of Eagle Butte was incorporated in 1911. In 1910 Eagle Butte was composed of one store and a tent. Less than a year later, the lure of free land in South Dakota to homesteaders made Eagle Butte a thriving city of 66 businesses in the middle of the prairie. In 1960 the town became the headquarters of the Cheyenne River Sioux Tribe (CRST) and the Bureau of Indian Affairs (BIA) and was thereby transformed into a unique juxtaposition of culture and influences.

3. Demographics

The City of Eagle Butte is located in north central South Dakota within the rural, agricultural based, economically depressed counties of Dewey County and Ziebach County. Both counties were recently ranked in the top ten poorest counties in the United States. Ziebach County continues to have the highest poverty rate in America since 2004 and unemployment is common. The City of Eagle Butte is an under-served community suffering economic hardship. The counties of Dewey and Ziebach are rural and agriculturally based whereby the largest percentage of the individuals residing within these two counties derive an income generated by family owned farms and ranches. The farmers and ranchers rely on the natural resources of the grassland for their very livelihood. Aside from the farm and ranch industry whereby individuals are generally self-employed, the three largest employers within the community are the Bureau of Indian Affairs (BIA), Cheyenne River Sioux Tribe (CRST) and the Indian Health Service (IHS).

The Eagle Butte community is a rapidly growing population center in South Dakota. The population in Eagle Butte grew approximately 17% between 2000 and 2010 as shown by the Census Statistics below.

2000 Census	
Eagle Butte:	619
North Eagle Butte:	2,168
	2,787

2010 Census	
Eagle Butte:	1,318
North Eagle Butte:	1,954
	3,272

The corporate boundaries and close proximity of census tracts make it difficult to accurately estimate population; however, the current population estimates indicate that 3300-3400 people reside within the Eagle Butte community that would include the City of Eagle Butte and the North Eagle Butte (not incorporated). See Census Data at the end of this report.

The Eagle Butte community is the largest community in Dewey County and may well become the largest community in Ziebach County in the near future, given recent growth in the community in the portion of Eagle Butte lying in Ziebach County. Several population sources consistently understate the community's population because residential subdivisions on the outside of Eagle Butte are not annexed within the corporate limits and therefore are often not accounted for in their populations statistics. However, many of these residents receive service from the City of Eagle Butte water and sewer utilities. At the time of the 2000 Census, the community had only one multi-family housing complex, the South Main Apartments. Since the 2000 Census a Local Developer – Oti Kaga has constructed numerous housing projects within Ziebach County and the city limits to include Black Hawk Apartments, Falcon Apartments and most recently Buffalo Lodge Homes.

The population of North Eagle Butte is not often combined with the City of Eagle Butte's population given financial constraints associated with the annexation of land in trust with the US Government (nontaxable). Nonetheless, the service territory for the City of Eagle Butte Water Department does encompass the city limits as well as territory outside of the city limits such as North Eagle Butte. North Eagle Butte does include Bureau of Indian Affairs housing, Cheyenne River Sioux Tribal housing, Cheyenne River Housing Authority Housing and Indian Health Service Housing whereby all of this land is in trust with the US government, has no tax base and is therefore maintained by the respective agencies.

The City of Eagle Butte is also located in the heart of the Cheyenne River Sioux Reservation. Recent statistics established that the water and sewer services provided to the Eagle Butte community provided services to a population composed primarily of individuals considered to be of a minority whereby approximately 89% of the community served is of a minority. The

predominant minority group is composed of American Indians. The City of Eagle Butte is filled with cultural and economic diversity and is rich in history of the Old West as well as Native American folklore and art.

Because of the distance from larger service centers such as Bismarck, Rapid City, and Aberdeen (all of equal distance from Eagle Butte - 320 miles round trip - 3 hours from Eagle Butte one way) and because Eagle Butte is the headquarters for the Cheyenne River Sioux Tribe (CRST) and Cheyenne River Branch of the Bureau of Indian Affairs (BIA) and Indian Health Services/Public Health Services (IHS/PHS), Eagle Butte serves as an important service center for many surrounding communities to include Black Foot, Cherry Creek, Dupree, Faith, Green Grass, Iron Lightning, Lantry, LaPlant, Parade, Promise, Red Scaffold, Ridgeview, Swift Bird, Timber Lake, White Horse and more. The Cheyenne Agency is the administrative body and center for the Minneconjou, Sans Arc, Two Kettle and Blackfeet Sioux. The CRST Reservation consists of 2.8 million acres in Dewey and Ziebach counties, making it roughly the size of Connecticut. The Eagle Butte community also services the many rural residents of who are employed or derive an income from agriculture production and related services, which makes up the biggest share of the economic base or composes the primary source of revenue and industry. There are many community events that occur on an annual basis in the area to include but not limited to the CRST Fair/Rodeo/Pow Wow, Green Grass Sun Dance and other Sun Dances, Minneconjou Pow Wow as well as countless local business events. There are times when the services available in the area and, more particularly, at the park force event goers and visitors to travel to other communities to obtain park services while attending these events. Many of these events are a basis for the tourism industry.

4. Climate

Because of its mid-continental position and its location near the paths of many cyclonic storms, north central South Dakota has a markedly continental climate with extreme summer heat, extreme winter cold, and rapid fluctuation of temperature. Temperatures of 100° or more are not uncommon during summer months, but as they are ordinarily accompanied by low humidity, they are less oppressive than are such temperatures in the States farther east.

Temperatures fall below zero frequently from November to March, and at times these low temperatures are accompanied by strong winds. The average precipitation for the area is 17"/yr.

5. Topography

The topography is gently sloping from an elevation of approximately 2,430 ft. on the south side of town to 2,390 in the middle of town and back up to approximately 2,410 on the north side of town. Contour elevations are shown in Figure No. 2 on a U.S.G.S. quadrangle map found at the end of this report.

6. Surface Water and Groundwater

Surface water conditions vary throughout the year with streams generally reaching high levels during the spring. Groundwater availability varies; quality drinking water in the region is often found at a depth of more than 3,000' below ground level.

7. Geology and Soils

The primary soil formation factor of the western South Dakota area consists of a parent material of sandstone and/or shale. The area is outside of the glacial drift deposits which are more common East River. Soil types include Morton silt loams, Belfield-Dylan silt loams; and Morton-Belfield, Morton-Farland, or Morton Lantry silt loam complex. Additional information can be found in Appendix A.

B. Historical and Archaeological Sites:

The City of Eagle Butte will complete a cultural survey of the proposed project area prior to construction. Procedures set forth by USDA and the State of South Dakota will be followed. Coordination will also be made with the Cheyenne River Sioux Tribe and the Tribal Historical Preservation Office.

Generally speaking, the areas of reference covered by this report are areas of previous excavation for utility installation purposes. If specific sites of cultural significance are found, the project facilities will be relocated to avoid disturbance to the site. The City

anticipates working with the Tribal Historical Preservation Office during all excavation projects covered by this report.

C. Floodplains and Wetlands:

There are some wetlands that have been previously identified in the project area; however, projects will be developed to avoid these areas. If additional wetlands are encountered during pipeline construction, the pipeline will be rerouted or installed using horizontal boring equipment to limit the disturbance to wetlands as a result of this project. All floodplain areas will be returned to their original condition after construction and there will be no lasting effect on the floodplain as a result of this project. A preliminary review of floodplain maps for Eagle Butte indicated that project areas covered by this report are not located in identified flood plains. See Figure 3, Flood Zone Map at the end of this report.

D. Wild and Scenic Rivers:

There are no wild or scenic rivers that would be affected as a result of this project. Streams and waterways will be protected from environmental impacts as discussed in paragraph C above.

E. Fish and Wildlife Protection:

The project area does not include any areas of fish habitat. Wildlife inhabit the project area, but there are no known rare or endangered species within the project area. Biological resources in the area are those typical of an agricultural region. There are no game preserves, national forests, or any endangered or rare species present within the project area. If any rare or endangered species are encountered, the appropriate agencies will be contacted. If possible, construction will be relocated to avoid such species. Construction on habitat areas will be carefully managed to minimize any potential effects to biological resources.

F. Water Quality and Quantity:

There are no water bodies or rivers in the project area. Small streams are areas that the project may impact. Streams and waterways will be protected from environmental impacts as discussed in paragraph C above.

G. Miscellaneous Issues:

Items considered under this category include air quality, noise and solid waste management. These issues are present on nearly every construction project. This project will not include any long-term air emissions. Short-term effects on air quality include dust and construction equipment exhaust and will be similar to air quality impacts of present farming equipment within the region. No major sources of noise are anticipated, with the exception of minor disturbances created by construction equipment. This noise would be similar to noise created by normal farming operations and truck traffic within the project area. A small amount of solid wastes will be generated by construction activities, primarily in the form of packaging materials removed from equipment and materials which will be incorporated into the work.

Dust suppression will be provided as needed through the use of watering vehicles. Noise from construction equipment will be minimized through the use of appropriate mufflers and other noise devices. Construction equipment must meet all appropriate OSHA and state and federal laws regarding emissions and noise. Work will normally be limited to daylight hours, Monday through Saturday. Solid waste materials will be disposed of in approved landfills or by other methods approved by local and state regulations.

H. Direct and Indirect Impacts:

There will be no impacts, direct or indirect, on the environment due to construction of the proposed projects as outlined in this report. There will be beneficial impacts to the citizens of Eagle Butte as a result of this project.

I. Mitigating Adverse Impacts:

No mitigation required.

III. EXISTING AND FUTURE CONDITIONS

A. Project Need and Planning Area Identification

The purpose of the facilities study is to identify areas of concern within the City of Eagle Butte's municipal water service area, as well as issues relating to operational inefficiency, and identify any improvements that can be made to the existing drinking water system to benefit the users.

B. Existing Distribution System

The majority of the existing water distribution system consists of Asbestos Cement (AC) water main that is nearing the end of it's useful service life. Multiple breaks have been identified and repaired in recent years and in the only feeder line to the City owned water tower, the City experienced four breaks in one three-block segment in 2009 that resulted in a significant reduction in service to the residents of Eagle Butte. Most of the City's existing AC water mains were installed in the late 40s and early 50s. With a normal expected service life of 70 years for AC pipe, the vast majority of water main in town will need to be replaced over the next several years.

Additionally, City staff has indicated that water theft, meter tampering, bill disputes, and meter location issues (under homes that need to be winterized), create significant issues for the City to effectively and efficiently operate and account for the City's water utility. The City operates as a self-read system, but has indicated that a significant number of customers don't read their meter and the City must estimate their bill. The City does not have the staffing resources to read all meters at the frequency needed to have accurate usage statistics.

The City has made an initial investment in a "starter system" AMR meter reading system and has also purchased new software to facilitate better record keeping. The City would benefit greatly from a plan to replace all user service meters with a tamper-proof model and further upgrading their AMR system to support the City in their efforts to stabilize their revenue and maintain greater operational efficiency and utility accounting.

C. Existing Water Usage:

The City purchases water from Tri-County Water Association. Water purchase and sales were reviewed for the previous ten years with the exception of 2009 Data (not available). A graph is included in Appendix B and a summary is provided below. City Water Use Data that was provided is attached as Appendix C. Based on the information provided, we estimate the Peak Day to be approximately 475,000 gpd. Water purchases over the previous 6 years have been relatively stable.

Annual Use:	80,284,000 - 96,436,000 gallons
Peak Month:	7,672,000 - 9,810,000 gallons
Average Day:	220,000 - 265,000 gallons
Gallons per capita*:	70-85 gpcd (based on pop. 3200)

* Note: Gallons per capita is difficult to compute and compare because of the number of residents within the service area that obtain water from sources other than the municipal utility (primarily Tri-County Water Association) however, are employed and conduct daily activities within the service area.

D. Evaluation of Distribution, Storage, and Treatment Systems

The existing distribution system is predominantly 6-inch Asbestos Cement (AC) Pipe that was installed in the late 1940s and early 1950s. AC Pipe has an average service life of approximately 70 years and it is estimated that most of the mains within the City should be replaced over the next 10 - 15 years to avoid costly emergency repairs. There are also areas within City limits that are unable to access City water due to the absence of City water main or the main is undersized. These areas are predominantly on the north and northwest portion of City limits.

It is also noted that Tri-County Water Association encroaches within the City's municipal distribution service territory and that the Cheyenne River Sioux Tribe has attempted in the past, through official tribal action, to take control of the City of Eagle Butte's municipal utilities (water and sewer). As a result of these actions, the level of service to the user's of the City of Eagle Butte's water utility have been adversely impacted with service outages, usage restrictions, and new construction moratoriums. Without an enforceable contract to provide minimum service and protect service areas, risk to system users persists.

A hydraulic model was prepared for the City for the purpose of the system analysis. Maps prepared by Brosz Engineering were provided by the City and reviewed by DGR. Pressure recordings were taken at four locations within the City to calibrate the static water level of the hydraulic model. The pressure recordings are located at the end of this report in Table 1. The hydraulic model showing pressure and flow for the existing system is shown in Appendix D, Figure D-1.

Several elevated and large volume ground storage tanks are visible on the skyline of Eagle Butte. However, the City currently only owns and operates one elevated tank in the middle of town with an approximate capacity of 75,000 gallons. The other storage facilities are owned, operated, or dedicated to other entities and service customers other than the City of Eagle Butte customers.

The City has a maintenance contract with Maguire Iron to regularly inspect and maintain the tank and make repairs as necessary. These reports were reviewed for the purpose of this study, and the last inspection was completed in 2010 and another is scheduled for 2012. There are no concerns based on the reports reviewed. The City has copies of the maintenance reports that are available upon request. There is also an abandoned concrete ground storage tank located on the same site as the elevated tank. This tank has not been used for several years. The City does not have record of when it was last used.

The 75,000 gallon storage volume represents approximately 1/3 of an average day of storage. In accordance with minimum design standards, this is inadequate with respect to typical storage requirements. It is recommended that minimum storage equal a minimum of one third of a peak day for equalization storage. With this storage capacity, there is no dedicated fire protection storage for the City and no emergency storage in the event the wholesale water supplier cannot provide continuous service throughout the day and perform basic maintenance work. In the past, the City has experienced outages due to a lack of sufficient storage and when the wholesale provider experienced an outage.

A second tank is located on the south side of Highway 212 at the location of the bulk meter for the City. This 250,000 gallon tank is known on City maps as the BIA Tank and operationally provides additional storage for the City. Historically, a check valve between the rural water system and the BIA tank prevented water to flow backwards into the rural water distribution system when the intermediate booster pumps were not running. The BIA tank is not owned or maintained by the City and the control piping is inaccessible to City staff on a routine basis to verify the operation of the check

valve. The tank is owned by the Cheyenne River Sioux Tribe via an interagency agreement with the Bureau of Indian Affairs and is maintained by Tri-County Water Association.

Previously, the 250,000 gallon BIA tank was operated by the City of Eagle Butte, however, the operational agreement was rescinded via a 1997 Cheyenne River Sioux Tribe resolution and no existing agreement with respect to water supply and supplemental storage is known to exist. The City is dependent upon the operation of the Tri-County Water Association system for all supplemental water storage beyond that of the 75,000 gallon tank that is owned by the City of Eagle Butte.

The City has multiple files of documentation regarding the legal efforts to obtain agreements with the bulk water provider that are available upon request.

IV. DEVELOPMENT AND SCREENING OF ALTERNATIVES

Alternatives were considered for each of the major parts of the existing infrastructure.

A. Water Source Alternatives

1. No Action Alternative:

   The City currently purchases water from Tri-County Water Association. The users complain about the quality of water, and the rural water system has not always been able to meet the City's water use requirements. No formal agreement exists between the City and Tri-County Water Association to serve a specified quantity of water at a specified delivery pressure, or to provide any particular amount of supplemental storage. The City has been affected by Tri-County Water Association water service limitations (water restrictions and no new hook up restrictions) in the past and wishes to establish a minimum service level from the rural water system. The no action alternative will leave citizens of Eagle Butte at risk to reduced service from the bulk water provider and is not considered a feasible option.

2. Alternative #1: Develop a Water Purchase Agreement with Tri-County Water Association

The first alternative considered is to formalize an agreement with Tri-County Water Association for bulk water purchase which would identify a maximum and minimum capacity and delivery pressure for water service that would meet the peak day and peak hour demands of the City of Eagle Butte. A previous agreement with the bulk water provider was rescinded by the Cheyenne River Sioux Tribe via formal resolution in 1997. Documentation relative to the City's efforts to come to an agreement for bulk water purchase is available upon request.

3. Alternative #2: Construction of a New City-Owned Well for Emergency Backup

Groundwater resources in Eagle Butte are extremely limited. Previous supply wells were abandoned due to poor capacity and quality and fostered the connection to the rural water system. If a new well were developed, additional facilities would need to be maintained for disinfectant addition and other treatment chemicals if necessary. While cost prohibitive, this option may be the only viable option due to the constraints of the contractual limitations to enter into contract with the bulk water provider. Costs to develop a new water service were not developed as part of the assessment.

B. Water Storage Alternatives

1. No Action Alternative:

The City of Eagle Butte currently owns and maintains one tank that provides 75,000 gallons of elevated storage. This is inadequate for flow equalization storage for a peak day and leaves the residents of Eagle Butte at risk of no service during peak periods. The no action alternative will not be discussed further in this report.

2. Alternative #1: Develop an Agreement to Purchase or Operate the BIA Tank

The BIA Tank located on the south side of Highway 212 provides for 250,000 gallons of elevated storage. Operationally, it is likely that the City currently uses a significant part of this storage through a single interconnection at the location of the City's bulk meter at the base of this tower. The BIA Tank provides storage for approximately one average day. When combined with the existing City tank, there is enough for equalization

storage and approximately 100,000 gallons of fire protection storage. Until 1997, a formal agreement was in place with the Cheyenne River Sioux Tribe and Tri-County Water Association; however, it was rescinded via formal resolution. Documentation relative to the City's efforts to come to an agreement for dedicated shared storage is available upon request. Costs related to this agreement would need to be negotiated with the bulk water provider and owner of the storage facility.

3. Alternative #2: Construction of New Storage

The additional storage required for a minimum of one average day storage is approximately 300,000 gallons. Elevated storage costs will be approximately $850,000 with approximately $3,000 to $5,000 per year in annualized O&M costs. Ground storage is estimated to be approximately $375,000. Ground storage will require a High Service Booster station at a cost of approximately $250,000 and additional annual O&M costs of approximately $15,000 to $20,000 per year.

4. Alternative #3: Develop an Agreement to Provide Additional Fire Capacity from Tri-County Water Association

A large ground storage reservoir and high service pump station owned and operated by Tri-County Water Association is located on the north side of Highway 212. The rural water system has additional capacity during emergency situations to provide some fire fighting storage to the City. If an enforceable written contract were an option, this alternative could be considered viable. Documentation exists that indicates that a written contract would not be enforceable. Costs related to this agreement would need to be negotiated with the bulk water provider and owner of the storage facility.

C. Water Distribution Alternatives

1. No Action Alternative:

The existing distribution system is predominantly comprised of 60 to 70 year old AC pipe that is nearing the end of its useful service life. The City has experienced several concentrated pipe failures indicating portions of the distribution system are deteriorating. We anticipate the City will continue to

have pipe failures on AC pipe which will require emergency repairs. Therefore, the no action alternative will not be discussed further in this report.

2. Alternative #1: Replace All AC Pipe in the Distribution System

Most of the existing pipe is located beneath paved streets in Eagle Butte. In order to replace the entire distribution system, significant amounts of pavement would have to be removed and replaced or expensive trenchless technologies employed to install new pipe. The cost to replace all of the aging AC distribution system as a single project would cost in excess of $5 million assuming current replacement costs.

3. Alternative #2: Phased Replacement of AC Pipe in the Distribution System and Coordinate with Other Utility and Street Repair Programs

While a significant portion of the distribution system is reaching the end of its useful service life, much of it may have 10 to 20 years of service remaining. This allows the City opportunity to replace the critical components of the pipeline system before it becomes a problem, and then to coordinate the replacement over a period of time along with other City improvements. A phased replacement program to replace the aging AC distribution system as failure becomes eminent and/or other infrastructure is replaced would provide financial and feasibility benefit to the City of Eagle Butte.

There are also areas within the City limits that do not have access, or have very limited access to the City of Eagle Butte water distribution system, primarily on the west and north ends of town. A phased utility and infrastructure program would also enable the City of Eagle Butte to provide improved service to these areas that currently do not receive service or have limited service.

The costs associated with a phased improvement program have not been calculated specifically, as they will vary with time and extent of the work performed. It is understood, however, that a phased program to address bot utility and infrastructure would minimize duplicate costs over the long term.

D. Water Metering

1. No Action Alternative:

The existing meter system is a manual-read system with remote registers located on the exterior of the customers residence. The failure of a large percentage of users to self read and report water usage results in high estimation of water consumption, unreliable water loss information, and an inability of the City to make informed decisions regarding repair, maintenance, and replacement of the City's water system. City staff have also indicated that tampering with the meter registers is a significant problem within the City. Additionally, City staff must enter the residence or the crawl-space below the residence to read the meter head rather than the remote register to get an accurate reading. Significant delays and inaccuracies in billing make management decisions difficult. Winter weather also makes access to meters difficult due to location of the meters and weatherization requirements of the homes. The No Action Alternative will continue to propagate the existing issues and adversely impact the City's ability to manage the system.

2. Alternative #1: Replace All Meters with Updated Model with Tamper-Proof Remote Register

This alternative includes replacing all meters in town with a tamper-proof remote register, which will make collecting the water usage information much faster and safer and create significant operational efficiencies in the City's utility system. The estimated cost for this alternative is $468,000.

3. Alternative #2: Replace All Meters with and Automatic Meter Reading (AMR) System

Recent advances in AMR systems and accounting software make it advantageous to move towards an AMR system. The higher resolution of data helps make operational and management decisions more quickly and consistently. AMR systems aid in determining water loss and water theft in a way that manually read systems cannot. Of particular note, the peak day demand will be known precisely if AMR is used. The estimated cost for this alternative is $593,000.

V. SELECTED PLAN, DESCRIPTION, AND IMPLEMENTATION

A. Alternative Comparison:

1. Water Source

The No Action alternative leaves the residents of Eagle Butte at risk of losing their water service during system outages of the rural water system, or when competing priorities take precedence, with no emergency backup. Changes in operation or management could significantly impact the amount of water provided by the rural water system and the City would have little recourse for securing their water source. The new well for Emergency Backup alternative results in significant capital and operational expenses for the City that may not be necessary. The preferred alternative is to secure an enforceable agreement with Tri-County Water Association for a formal water purchase agreement. Ideally, this agreement would specify the minimum and maximum usage along with the pressure required to deliver the water to the City.

It is recommended that an agreement with the following terms be initiated:

- Minimum Daily Consumption: 130,000
- Maximum Daily Consumption: 570,000
- Delivery Pressure at Existing Interconnection: 50 psi

If an enforceable agreement cannot be obtained due to political reasons in nature, alternate water source options may need to be considered and/or the existing risk will remain.

At this time, DGR does not recommend the City pursue alternate water source options.

This has been an ongoing activity for the City and is represented as a portion of the current water systems operations budget. A cost estimate for this alternative has not been prepared.

2. Water Storage

The No Action alternative is inadequate for the residents of Eagle Butte. The Recommended Standards for Water Works (Ten State Standards) recommends a minimum of one average day of storage. It is recommended that the City have enough storage for equalization storage and a moderate amount of fire protection storage. Building new storage to either supplement or replace their existing storage is a reasonable solution and costs have been previously reported in this document. However, there is significant

investment in the surrounding area in both elevated and ground storage. Deliberate attempts should continue to be made to secure an agreement for the BIA Tank to formalize the operational practice that the BIA Tank supports the City's existing storage. Shared operation and maintenance will maximize the investment already in place. As such, the preferred alternative is Alternative #1 for water storage, however, the unlikely ability to secure an enforceable, non revocable agreement deems this alternative non-viable and would suggest that the City consider alternate water storage options.

It is recommend that an agreement with Tri-County Water Association to provide for a minimum of 250,000 gallons of dedicated water storage is initiated.

If an enforceable agreement is unable to be obtained due to reasons political in nature, alternative water storage may need to be considered to address the need to maintain adequate storage. Construction of new storage may be necessary to ensure users a continual supply of quality water.

3. Water Distribution

The No Action alternative will magnify the necessary replacement cost of the distribution system for the residents of Eagle Butte. The AC Pipe is likely at the end of it's useful service life or at least has significant portions that are in need of replacement. The City has indicated they plan to repair and/or resurface several of the streets through town and wish to coordinate this effort with water and sewer replacements. This would provide for a phased replacement effort that would be more efficient than complete replacement and eliminate duplicate project costs associated with multiple resurfacing.

A preliminary hydraulic model was prepared to determine areas for improvement. The hydraulic model was based on preliminary information provided by the City. We used the KY Pipe Hydraulic Modeling software to determine hydraulic conditions for the City. Pressure recordings were taken at four locations within the City to calibrate the static water level of the hydraulic model. The results of the hydraulic modeling effort are included in Appendix D. The pressure recordings are listed in Table 1.

The existing system is shown with water entering only from the existing storage tank and the BIA Tank isolated from the City. Average service

pressure ranges from 37 psi on the south end of the City to 52 psi toward the central portion of the City near the supply tanks. The second map shows the existing system estimated fire flow. Fire flow is estimated at each node by maintaining 20 psi in the remainder of the distribution system. Since the southern end of the City has relatively low pressure to begin with, the estimated fire flow is relatively low. Figure C-3 illustrates the improvement to fire flow in the southern part of the City by replacing the existing 6" water main on Main Street and completing a loop to Prairie Road. This section of road is planned to be resurfaced during 2013 and the completion of this loop should be coordinated with that effort.

DGR recommends the City move forward with a phased replacement program of the existing distribution system to complement a master utility and infrastructure improvement program. The City is currently proposing to resurface Main Street in 2013 and as such, it is recommended to replace the existing AC water main as part of this project to eliminate duplicate costs to resurface a new street in the near term future. The cost to replace the water main on Main Street between Landmark and Frontier is estimated to be $234,000 if constructed as part of the resurfacing project, but $594,000 if the surfacing will be needed to be replaced as part of the water main project and that cost is duplicated.

It is further recommended that the City replace the existing 2" and 3" water lines along Sycamore Street and north of Highway 212 in conjunction with the sewer improvements required to facilitate existing issues with the sanitary sewer collection system. The estimated cost for these improvements is $633,000. If performed as a separate stand alone project, the estimated cost is approximately $812,000 due to duplicate costs.

The final drawing C-4 illustrates the improvement to fire flow in a major commercial part of the City by completing a loop under Highway 212 on the northwest side of the City and providing new 6-inch water main on Sycamore Ave. The cost estimate for this work is $633,000 and a detailed table is included at the end of this report. This work is being considered to coincide with sanitary sewer improvements to this area as well and a separate document is being prepared for that work. The cost estimate for the water system improvements includes ½ of the General and Street Improvements portion of the estimate.

4. Water Meter

The No Action Alternative and Alternative 1 will render the City's existing system inadequate and inefficient and will make determining the water balance for the system for any given period difficult. Recently, systems have been encouraged to move to an AMR system because of the "green technology". Therefore, Alternative 2 - AMR is selected as the preferred alternative. The cost estimate for this work is $593,000 and a detailed table is included at the end of this report.

B. Conclusions and Recommendations:

1. The preferred alternative to address water source concerns identified in this report is to enter into an enforceable, non-revocable agreement with Tri-County Water Association to address the water source needs of the City. The savings in cost over other source water security make this an attractive alternative. The non-viability of this option suggests that the City should consider alternate water source options that would include City owned wells and a City operated treatment system. This alternative would come at significantly greater cost but would ensure adequate service for the users of the City of Eagle Butte's municipal water utility.

2. The preferred alternative to address water storage concerns is for the City of Eagle Butte to enter into an enforceable, non-revocable agreement for the water storage needs of the City. Likely, this is just formalizing what is currently happening in practice. However, being able to depend on the BIA Tank for storage is critical to the City's operations and has not been reliable in the past. The non-viability of this option suggests that the City consider alternative water storage options which would include a new water storage tank. This alternative would come at a significantly greater cost but would ensure adequate storage for the users of the City of Eagle Butte's municipal water utility.

3. To address the water distribution system needs and concerns, it is recommended that the City of Eagle Butte adopt Alternative #2 for the water distribution needs of the City. The City will continue to have unexpected leaks and breaks of AC pipe mains. However, coordinating the water main replacement with other activities that the City is undertaking will result in a significant cost savings. If the street resurfacing projects are delayed and

therefore the main replacement project delayed, the City may encounter an increase in water main bursts over the next 10 - 15 years.

The City currently is planning a street improvement project on Main Street and Prairie Road. We recommend replacing the water main along this project at the same time. Additional main replacements should be scheduled with any other street or utility improvement project until all the AC pipe has been replaced. The City is also planning a sewer improvement project along Sycamore Avenue and North of Highway 212. Water distribution system improvements should be coordinated with this project as well, in an effort to improve the water service to the users and avoid duplicate costs.

4. To address operational inefficiencies, improve record keeping, prevent tampering, and to capitalize or previous capital expenditures, we recommend that the City of Eagle Butte adopt Alternative #2 for the water meter needs of the City. The City of Eagle Butte will benefit from the operational and management efficiencies that a full AMR system allows.

5. The impact to water rates for the three projects described above (water main replacement along Main St., water main extension for Sycamore and North 212, and water meter replacement) was considered. The current base rate is $30 and includes 4,000 gallons per month, which is considered as a life-line use for residential users. Above 4,000 gallons per month, the consumption rate is $6.35 per 1,000 gallons. The City wishes to compare its water rate with other systems based on 5,000 gallons per month. Therefore, the base rate is considered $36.35 per month for 5,000 gallons. The system qualifies for 0% interest for 30-years based on income requirements. Therefore, depending on different grant percentages, the City may consider a rate increase between 8% - 11% for these projects. A detailed rate analysis is included as a table at the end of this report.

6. Despite previous exhaustive efforts, the City should continue to look at legal options to develop a long term operational agreement with the bulk water service provider which also owns adequate storage facilities to address existing City of Eagle Butte needs. It is paramount that this course of action be an enforceable and non-revocable contract with minimum service obligations. Any form of contract that is not able to be enforced or can be revoked by the bulk water provider would assume risk to the City of Eagle Butte and the users of their municipal water system.

7. The City shall proceed with procuring adequate funding to address system needs outlined in this study. The primary source of funding is anticipated to be South Dakota State Revolving Funds. Other funding sources that meet time constraints should also be considered, to include Community Development Block Grants and Rural Development funding opportunities.

8. The City should commence with completing the Environmental and Tribal Clearance process to address the system needs.

C. Implementation Schedule:

May 1, 2012	Request to be placed on State Water plan and request funding for water main and water meter replacement projects to facilitate proposed street improvement projects in the 2012 construction season
June 28, 2012	SD DENR Board Meeting
July 1, 2012	Begin plans and specifications for water main improvement projects and water meter replacement project
September 1, 2012	Funds available
October 1, 2012	Receive project bids
October 15, 2012	Begin construction
July 1, 2013	Construction completed
Ongoing	Continue to pursue options to address other needs identified in this report

Note that above schedule is dependent upon timing of funding announcement.

CENSUS DATA

FactFinder

DP-1

Profile of General Population and Housing Characteristics: 2010

2010 Demographic Profile Data

NOTE: For more information on confidentiality protection, nonsampling error, and definitions, see http://www.census.gov/prod/cen2010/doc/dpsf.pdf.

Geography: North Eagle Butte CDP, South Dakota

Subject	Number	Percent
SEX AND AGE		
Total population	1,954	100.0
Under 5 years	225	11.5
5 to 9 years	202	10.3
10 to 14 years	209	10.7
15 to 19 years	212	10.8
20 to 24 years	128	6.6
25 to 29 years	127	6.5
30 to 34 years	111	5.7
35 to 39 years	114	5.8
40 to 44 years	125	6.4
45 to 49 years	135	6.9
50 to 54 years	86	4.4
55 to 59 years	90	4.6
60 to 64 years	55	2.8
65 to 69 years	48	2.5
70 to 74 years	43	2.2
75 to 79 years	22	1.1
80 to 84 years	12	0.6
85 years and over	10	0.5
Median age (years)	25.1	(X)
16 years and over	1,282	65.6
18 years and over	1,193	61.1
21 years and over	1,076	55.1
62 years and over	165	8.4
65 years and over	135	6.9
Male population	939	48.1
Under 5 years	109	5.6
5 to 9 years	103	5.3
10 to 14 years	105	5.4
15 to 19 years	108	5.5
20 to 24 years	67	3.4
25 to 29 years	63	3.2
30 to 34 years	52	2.7
35 to 39 years	55	2.8
40 to 44 years	61	3.1
45 to 49 years	71	3.6
50 to 54 years	35	1.8
55 to 59 years	41	2.1
60 to 64 years	24	1.2
65 to 69 years	23	1.2
70 to 74 years	15	0.8
75 to 79 years	5	0.3
80 to 84 years	1	0.1
85 years and over	1	0.1

Subject	Number	Percent
Median age (years)	23.5	(X)
16 years and over	607	31.1
18 years and over	562	28.8
21 years and over	499	25.5
62 years and over	59	3.0
65 years and over	45	2.3
Female population	1,015	51.9
Under 5 years	116	5.9
5 to 9 years	99	5.1
10 to 14 years	104	5.3
15 to 19 years	104	5.3
20 to 24 years	61	3.1
25 to 29 years	64	3.3
30 to 34 years	59	3.0
35 to 39 years	59	3.0
40 to 44 years	64	3.3
45 to 49 years	64	3.3
50 to 54 years	51	2.6
55 to 59 years	49	2.5
60 to 64 years	31	1.6
65 to 69 years	25	1.3
70 to 74 years	28	1.4
75 to 79 years	17	0.9
80 to 84 years	11	0.6
85 years and over	9	0.5
Median age (years)	26.8	(X)
16 years and over	675	34.5
18 years and over	631	32.3
21 years and over	577	29.5
62 years and over	106	5.4
65 years and over	90	4.6
RACE		
Total population	1,954	100.0
One Race	1,901	97.3
White	85	4.4
Black or African American	4	0.2
American Indian and Alaska Native	1,806	92.4
Asian	2	0.1
Asian Indian	0	0.0
Chinese	0	0.0
Filipino	2	0.1
Japanese	0	0.0
Korean	0	0.0
Vietnamese	0	0.0
Other Asian [1]	0	0.0
Native Hawaiian and Other Pacific Islander	0	0.0
Native Hawaiian	0	0.0
Guamanian or Chamorro	0	0.0
Samoan	0	0.0
Other Pacific Islander [2]	0	0.0
Some Other Race	4	0.2
Two or More Races	53	2.7
White; American Indian and Alaska Native [3]	27	1.4
White; Asian [3]	0	0.0
White; Black or African American [3]	0	0.0
White; Some Other Race [3]	0	0.0
Race alone or in combination with one or more other races: [4]		
White	114	5.8
Black or African American	12	0.6
American Indian and Alaska Native	1,859	95.1

Subject	Number	Percent
Asian	4	0.2
Native Hawaiian and Other Pacific Islander	0	0.0
Some Other Race	20	1.0
HISPANIC OR LATINO		
Total population	1,954	100.0
Hispanic or Latino (of any race)	32	1.6
Mexican	19	1.0
Puerto Rican	0	0.0
Cuban	0	0.0
Other Hispanic or Latino [5]	13	0.7
Not Hispanic or Latino	1,922	98.4
HISPANIC OR LATINO AND RACE		
Total population	1,954	100.0
Hispanic or Latino	32	1.6
White alone	2	0.1
Black or African American alone	0	0.0
American Indian and Alaska Native alone	17	0.9
Asian alone	0	0.0
Native Hawaiian and Other Pacific Islander alone	0	0.0
Some Other Race alone	4	0.2
Two or More Races	9	0.5
Not Hispanic or Latino	1,922	98.4
White alone	83	4.2
Black or African American alone	4	0.2
American Indian and Alaska Native alone	1,789	91.6
Asian alone	2	0.1
Native Hawaiian and Other Pacific Islander alone	0	0.0
Some Other Race alone	0	0.0
Two or More Races	44	2.3
RELATIONSHIP		
Total population	1,954	100.0
In households	1,937	99.1
Householder	569	29.1
Spouse [6]	143	7.3
Child	683	35.0
Own child under 18 years	463	23.7
Other relatives	399	20.4
Under 18 years	270	13.8
65 years and over	11	0.6
Nonrelatives	143	7.3
Under 18 years	15	0.8
65 years and over	7	0.4
Unmarried partner	76	3.9
In group quarters	17	0.9
Institutionalized population	13	0.7
Male	4	0.2
Female	9	0.5
Noninstitutionalized population	4	0.2
Male	3	0.2
Female	1	0.1
HOUSEHOLDS BY TYPE		
Total households	569	100.0
Family households (families) [7]	423	74.3
With own children under 18 years	205	36.0
Husband-wife family	143	25.1
With own children under 18 years	75	13.2
Male householder, no wife present	74	13.0
With own children under 18 years	37	6.5
Female householder, no husband present	206	36.2
With own children under 18 years	93	16.3

Subject	Number	Percent
Nonfamily households [7]	146	25.7
Householder living alone	118	20.7
Male	53	9.3
65 years and over	14	2.5
Female	65	11.4
65 years and over	24	4.2
Households with individuals under 18 years	310	54.5
Households with individuals 65 years and over	119	20.9
Average household size	3.40	(X)
Average family size [7]	3.90	(X)
HOUSING OCCUPANCY		
Total housing units	626	100.0
Occupied housing units	569	90.9
Vacant housing units	57	9.1
For rent	26	4.2
Rented, not occupied	4	0.6
For sale only	0	0.0
Sold, not occupied	2	0.3
For seasonal, recreational, or occasional use	10	1.6
All other vacants	15	2.4
Homeowner vacancy rate (percent) [8]	0.0	(X)
Rental vacancy rate (percent) [9]	6.5	(X)
HOUSING TENURE		
Occupied housing units	569	100.0
Owner-occupied housing units	196	34.4
Population in owner-occupied housing units	667	(X)
Average household size of owner-occupied units	3.40	(X)
Renter-occupied housing units	373	65.6
Population in renter-occupied housing units	1,270	(X)
Average household size of renter-occupied units	3.40	(X)

X Not applicable.

[1] Other Asian alone, or two or more Asian categories.

[2] Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.

[3] One of the four most commonly reported multiple-race combinations nationwide in Census 2000.

[4] In combination with one or more of the other races listed. The six numbers may add to more than the total population, and the six percentages may add to more than 100 percent because individuals may report more than one race.

[5] This category is composed of people whose origins are from the Dominican Republic, Spain, and Spanish-speaking Central or South American countries. It also includes general origin responses such as "Latino" or "Hispanic."

[6] "Spouse" represents spouse of the householder. It does not reflect all spouses in a household. Responses of "same-sex spouse" were edited during processing to "unmarried partner."

[7] "Family households" consist of a householder and one or more other people related to the householder by birth, marriage, or adoption. They do not include same-sex married couples even if the marriage was performed in a state issuing marriage certificates for same-sex couples. Same-sex couple households are included in the family households category if there is at least one additional person related to the householder by birth or adoption. Same-sex couple households with no relatives of the householder present are tabulated in nonfamily households. "Nonfamily households" consist of people living alone and households which do not have any members related to the householder.

[8] The homeowner vacancy rate is the proportion of the homeowner inventory that is vacant "for sale." It is computed by dividing the total number of vacant units "for sale only" by the sum of owner-occupied units, vacant units that are "for sale only," and vacant units that have been sold but not yet occupied; and then multiplying by 100.

[9] The rental vacancy rate is the proportion of the rental inventory that is vacant "for rent." It is computed by dividing the total number of vacant units "for rent" by the sum of the renter-occupied units, vacant units that are "for rent," and vacant units that have been rented but not yet occupied; and then multiplying by 100.

Source: U.S. Census Bureau, 2010 Census.

FactFinder

DP-1

Profile of General Population and Housing Characteristics: 2010

2010 Demographic Profile Data

NOTE: For more information on confidentiality protection, nonsampling error, and definitions, see http://www.census.gov/prod/cen2010/doc/dpsf.pdf.

Geography: Eagle Butte city, South Dakota

Subject	Number	Percent
SEX AND AGE		
Total population	1,318	100.0
Under 5 years	189	14.3
5 to 9 years	149	11.3
10 to 14 years	132	10.0
15 to 19 years	120	9.1
20 to 24 years	115	8.7
25 to 29 years	123	9.3
30 to 34 years	72	5.5
35 to 39 years	80	6.1
40 to 44 years	61	4.6
45 to 49 years	80	6.1
50 to 54 years	55	4.2
55 to 59 years	45	3.4
60 to 64 years	32	2.4
65 to 69 years	29	2.2
70 to 74 years	15	1.1
75 to 79 years	7	0.5
80 to 84 years	5	0.4
85 years and over	9	0.7
Median age (years)	22.8	(X)
16 years and over	825	62.6
18 years and over	774	58.7
21 years and over	706	53.6
62 years and over	80	6.1
65 years and over	65	4.9
Male population	624	47.3
Under 5 years	97	7.4
5 to 9 years	79	6.0
10 to 14 years	63	4.8
15 to 19 years	61	4.6
20 to 24 years	56	4.2
25 to 29 years	56	4.2
30 to 34 years	27	2.0
35 to 39 years	34	2.6
40 to 44 years	31	2.4
45 to 49 years	28	2.1
50 to 54 years	30	2.3
55 to 59 years	20	1.5
60 to 64 years	13	1.0
65 to 69 years	13	1.0
70 to 74 years	9	0.7
75 to 79 years	2	0.2
80 to 84 years	3	0.2
85 years and over	2	0.2

Subject	Number	Percent
Median age (years)	21.1	(X)
16 years and over	373	28.3
18 years and over	347	26.3
21 years and over	313	23.7
62 years and over	37	2.8
65 years and over	29	2.2
Female population	694	52.7
Under 5 years	92	7.0
5 to 9 years	70	5.3
10 to 14 years	69	5.2
15 to 19 years	59	4.5
20 to 24 years	59	4.5
25 to 29 years	67	5.1
30 to 34 years	45	3.4
35 to 39 years	46	3.5
40 to 44 years	30	2.3
45 to 49 years	52	3.9
50 to 54 years	25	1.9
55 to 59 years	25	1.9
60 to 64 years	19	1.4
65 to 69 years	16	1.2
70 to 74 years	6	0.5
75 to 79 years	5	0.4
80 to 84 years	2	0.2
85 years and over	7	0.5
Median age (years)	24.9	(X)
16 years and over	452	34.3
18 years and over	427	32.4
21 years and over	393	29.8
62 years and over	43	3.3
65 years and over	36	2.7
RACE		
Total population	1,318	100.0
One Race	1,274	96.7
White	90	6.8
Black or African American	4	0.3
American Indian and Alaska Native	1,176	89.2
Asian	2	0.2
Asian Indian	0	0.0
Chinese	0	0.0
Filipino	2	0.2
Japanese	0	0.0
Korean	0	0.0
Vietnamese	0	0.0
Other Asian [1]	0	0.0
Native Hawaiian and Other Pacific Islander	0	0.0
Native Hawaiian	0	0.0
Guamanian or Chamorro	0	0.0
Samoan	0	0.0
Other Pacific Islander [2]	0	0.0
Some Other Race	2	0.2
Two or More Races	44	3.3
White; American Indian and Alaska Native [3]	25	1.9
White; Asian [3]	1	0.1
White; Black or African American [3]	0	0.0
White; Some Other Race [3]	0	0.0
Race alone or in combination with one or more other races: [4]		
White	116	8.8
Black or African American	12	0.9
American Indian and Alaska Native	1,218	92.4

Subject	Number	Percent
Asian	10	0.8
Native Hawaiian and Other Pacific Islander	1	0.1
Some Other Race	5	0.4
HISPANIC OR LATINO		
Total population	1,318	100.0
Hispanic or Latino (of any race)	57	4.3
Mexican	38	2.9
Puerto Rican	1	0.1
Cuban	0	0.0
Other Hispanic or Latino [5]	18	1.4
Not Hispanic or Latino	1,261	95.7
HISPANIC OR LATINO AND RACE		
Total population	1,318	100.0
Hispanic or Latino	57	4.3
White alone	3	0.2
Black or African American alone	0	0.0
American Indian and Alaska Native alone	46	3.5
Asian alone	1	0.1
Native Hawaiian and Other Pacific Islander alone	0	0.0
Some Other Race alone	2	0.2
Two or More Races	5	0.4
Not Hispanic or Latino	1,261	95.7
White alone	87	6.6
Black or African American alone	4	0.3
American Indian and Alaska Native alone	1,130	85.7
Asian alone	1	0.1
Native Hawaiian and Other Pacific Islander alone	0	0.0
Some Other Race alone	0	0.0
Two or More Races	39	3.0
RELATIONSHIP		
Total population	1,318	100.0
In households	1,316	99.8
Householder	384	29.1
Spouse [6]	74	5.6
Child	508	38.5
Own child under 18 years	380	28.8
Other relatives	227	17.2
Under 18 years	149	11.3
65 years and over	2	0.2
Nonrelatives	123	9.3
Under 18 years	15	1.1
65 years and over	2	0.2
Unmarried partner	73	5.5
In group quarters	2	0.2
Institutionalized population	0	0.0
Male	0	0.0
Female	0	0.0
Noninstitutionalized population	2	0.2
Male	2	0.2
Female	0	0.0
HOUSEHOLDS BY TYPE		
Total households	384	100.0
Family households (families) [7]	279	72.7
With own children under 18 years	183	47.7
Husband-wife family	74	19.3
With own children under 18 years	45	11.7
Male householder, no wife present	34	8.9
With own children under 18 years	19	4.9
Female householder, no husband present	171	44.5
With own children under 18 years	119	31.0

Subject	Number	Percent
Nonfamily households [7]	105	27.3
Householder living alone	93	24.2
Male	45	11.7
65 years and over	16	4.2
Female	48	12.5
65 years and over	14	3.6
Households with individuals under 18 years	229	59.6
Households with individuals 65 years and over	54	14.1
Average household size	3.43	(X)
Average family size [7]	3.90	(X)
HOUSING OCCUPANCY		
Total housing units	414	100.0
Occupied housing units	384	92.8
Vacant housing units	30	7.2
For rent	13	3.1
Rented, not occupied	2	0.5
For sale only	1	0.2
Sold, not occupied	1	0.2
For seasonal, recreational, or occasional use	5	1.2
All other vacants	8	1.9
Homeowner vacancy rate (percent) [8]	0.6	(X)
Rental vacancy rate (percent) [9]	5.3	(X)
HOUSING TENURE		
Occupied housing units	384	100.0
Owner-occupied housing units	154	40.1
Population in owner-occupied housing units	522	(X)
Average household size of owner-occupied units	3.39	(X)
Renter-occupied housing units	230	59.9
Population in renter-occupied housing units	794	(X)
Average household size of renter-occupied units	3.45	(X)

X Not applicable.

[1] Other Asian alone, or two or more Asian categories.

[2] Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.

[3] One of the four most commonly reported multiple-race combinations nationwide in Census 2000.

[4] In combination with one or more of the other races listed. The six numbers may add to more than the total population, and the six percentages may add to more than 100 percent because individuals may report more than one race.

[5] This category is composed of people whose origins are from the Dominican Republic, Spain, and Spanish-speaking Central or South American countries. It also includes general origin responses such as "Latino" or "Hispanic."

[6] "Spouse" represents spouse of the householder. It does not reflect all spouses in a household. Responses of "same-sex spouse" were edited during processing to "unmarried partner."

[7] "Family households" consist of a householder and one or more other people related to the householder by birth, marriage, or adoption. They do not include same-sex married couples even if the marriage was performed in a state issuing marriage certificates for same-sex couples. Same-sex couple households are included in the family households category if there is at least one additional person related to the householder by birth or adoption. Same-sex couple households with no relatives of the householder present are tabulated in nonfamily households. "Nonfamily households" consist of people living alone and households which do not have any members related to the householder.

[8] The homeowner vacancy rate is the proportion of the homeowner inventory that is vacant "for sale." It is computed by dividing the total number of vacant units "for sale only" by the sum of owner-occupied units, vacant units that are "for sale only," and vacant units that have been sold but not yet occupied; and then multiplying by 100.

[9] The rental vacancy rate is the proportion of the rental inventory that is vacant "for rent." It is computed by dividing the total number of vacant units "for rent" by the sum of the renter-occupied units, vacant units that are "for rent," and vacant units that have been rented but not yet occupied; and then multiplying by 100.

Source: U.S. Census Bureau, 2010 Census.

FIGURES

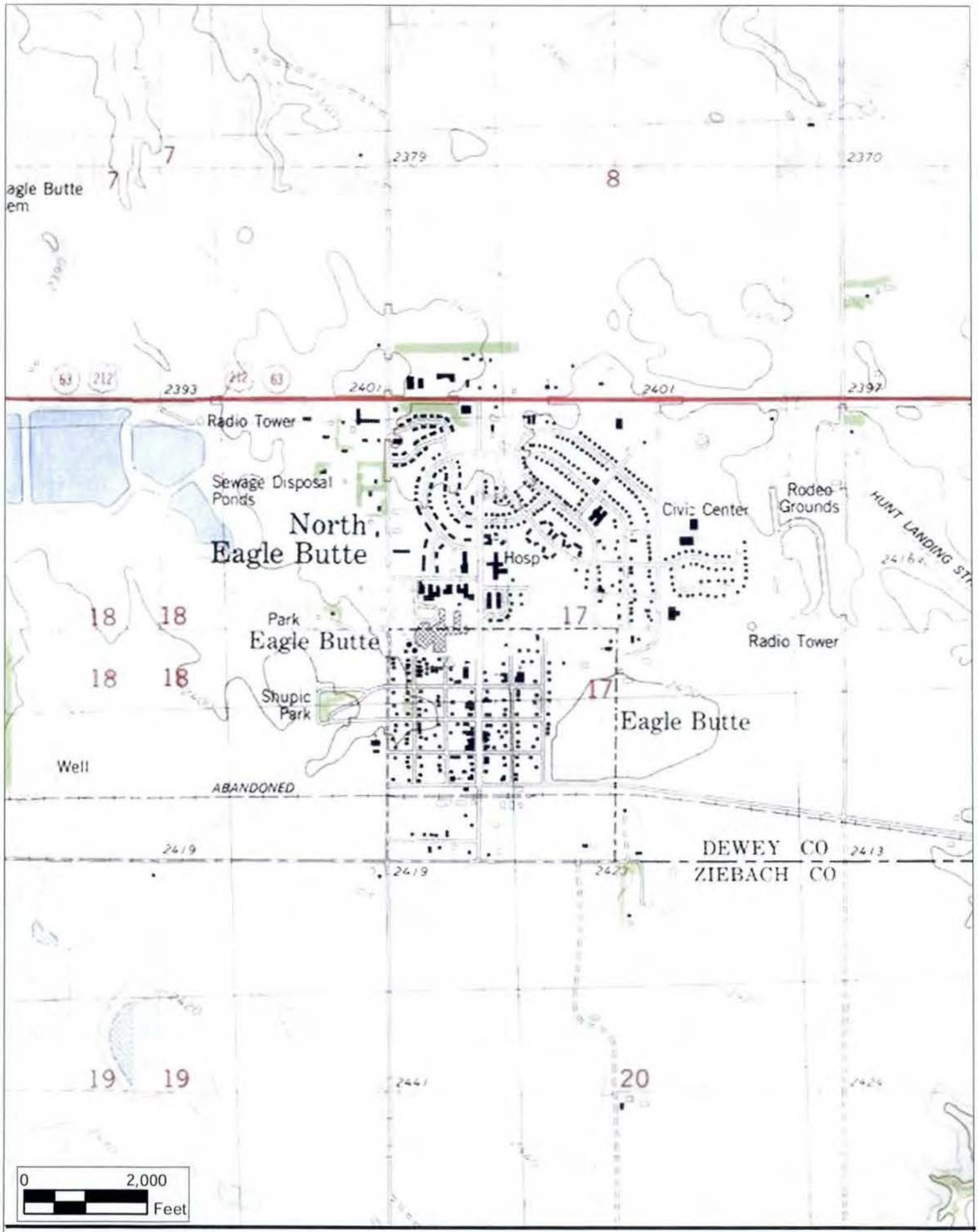
DeWild Grant Reckert and Associates Company
Consulting Engineers
Rock Rapids, Iowa

Date	MAR 2012
Drawn By	MNO
Approved	MNO
Revised	

CITY OF EAGLE BUTTE
SOUTH DAKOTA

FIG. 1

N



DGR

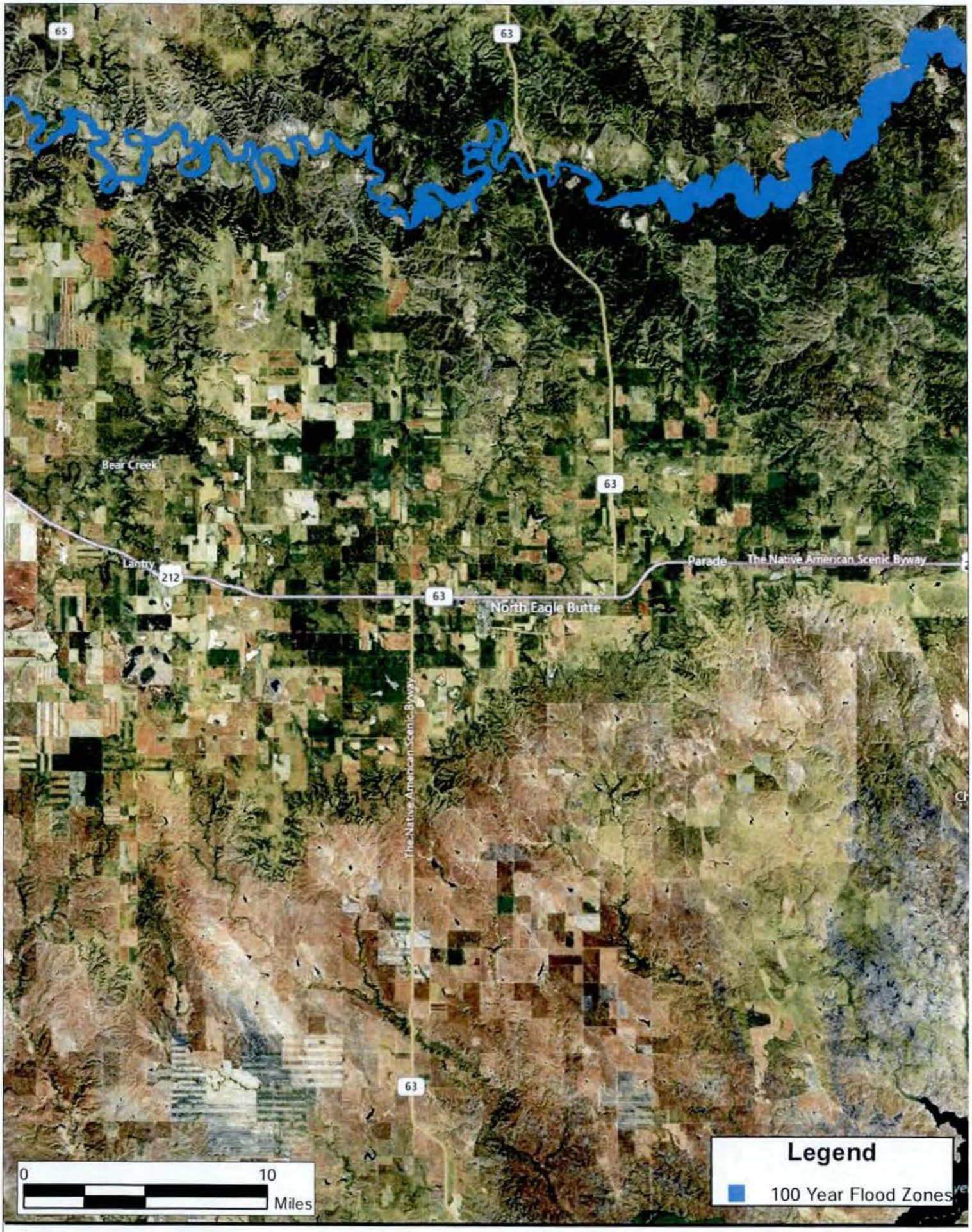
DeWild Grant Reckert
and Associates Company
Consulting Engineers
Rock Rapids, Iowa

Date	MAR 2012
Drawn By	MNO
Approved	MNO
Revised	

CITY OF EAGLE BUTTE
SOUTH DAKOTA

FIG. 2

N



DGR

DeWild Grant Reckert and Associates Company
Consulting Engineers
Rock Rapids, Iowa

Date	MAR 2012
Drawn By	MNO
Approved	MNO
Revised	

CITY OF EAGLE BUTTE
SOUTH DAKOTA

FIG. 3

N

CITY OF EAGLE BUTTE
WATER SYSTEM STUDY
HYDRAULIC MODEL - STATIC CALIBRATION
APRIL 19, 2012

	Description	Pressure Recording (psi)	Estimate of Elevation (feet)	Estimate of HGL (feet)
Location 1	School, 3.5' above finished floor	35	2,428	2,508
Location 2	Presentation College, 5' above ground	27	2,428	2,490
Location 3	Cheyenne River Motel, 3' above ground	40	2,412	2,504
Location 4	Mini Mart, 2' above ground	42	2,409	2,506

NOTE:

1. Pressure recordings taken April 19th, 2012; sequentially from Location 1 to Location 4 between 12:45 and 2:30 p.m.
2. Estimate of elevation is at the test location, including the height above the ground elevation.

PRELIMINARY PROJECT COST ESTIMATE

SYCAMORE and HWY 212 UTILITY IMPROVEMENTS PROJECT - EAGLE BUTTE, SD

Prepared by DGR & Associates Company

April 24, 2012

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE		TOTAL PROJECT QTY	TOTAL PROJECT TOTAL	CLEAN WATER QTY	CLEAN WATER EARNED	DRINKING WATER QTY	DRINKING WATER EARNED
	GENERAL & STREET IMPROVEMENTS								
1	Mobilization	75,000.00	L.S.	1	75,000.00	0.5	37,500.00	0.5	37,500.00
2	Remove, Sawcut, & Dispose of Pavement	5.00	SQYD	900	4,500.00	450	2,250.00	450	2,250.00
3	Clearing	5,000.00	L.S.	1	5,000.00	0.5	2,500.00	0.5	2,500.00
4	Traffic Control	20,000.00	L.S.	1	20,000.00	0.5	10,000.00	0.5	10,000.00
5	Incidental Work (Grading)	5,000.00	L.S.	1	5,000.00	0.5	2,500.00	0.5	2,500.00
6	Incidental Work (Utilities)	5,000.00	L.S.	1	5,000.00	0.5	2,500.00	0.5	2,500.00
7	9" Scarify and Recompact	2.00	SQYD	4,200	8,400.00	2100	4,200.00	2100	4,200.00
8	6" Gravel Surfacing	15.00	TON	1,900	28,500.00	950	14,250.00	950	14,250.00
9	Trench Stabilization Material	30.00	TON	250	7,500.00	125	3,750.00	125	3,750.00
10	6" PCC Approach Pavement	80.00	SQYD	225	18,000.00	112.5	9,000.00	112.5	9,000.00
11	Curb and Gutter	20.00	L.FT	100	2,000.00	50	1,000.00	50	1,000.00
12	4" Concrete Sidewalk	5.50	SQFT	5,750	31,625.00	2875	15,812.50	2875	15,812.50
13	Detectable Warning Panel	40.00	SQFT	72	2,880.00	36	1,440.00	36	1,440.00
14	Salvage and Replace Topsoil	10.00	CUYD	2,450	24,500.00	1225	12,250.00	1225	12,250.00
15	Seeding/Fertilize/Mulch	3,500.00	ACRE	3	10,500.00	1.5	5,250.00	1.5	5,250.00
16	Erosion Control	10,000.00	L.S.	1	10,000.00	0.5	5,000.00	0.5	5,000.00
17	Verify & Locate Utility	500.00	EACH	10	5,000.00	5	2,500.00	5	2,500.00
18	Utility Easement Acquisition	15,000.00	L.S.	1	15,000.00	0.5	7,500.00	0.5	7,500.00
			Construction Subtotal		278,405.00		139,202.50		139,202.50
			Contingencies (10%)		27,595.00		13,797.50		13,797.50
	Estimated General & Street Improvements Construction Subtotal				***306,000.00***		***153,000.00***		***153,000.00***
			Engineering and Administration		61,000.00		30,500.00		30,500.00
	General & Street Improvements Total				**367,000.00**		**183,500.00**		**183,500.00**
	WATER MAIN IMPROVEMENTS								
19	6" PVC Water Main w/Bedding Material	25.00	L.FT	7,050	176,250.00			7,050	176,250.00
20	6" MJ Gate Valve/Box	1,000.00	EACH	7	7,000.00			7	7,000.00
21	6"x6" MJ Tee	500.00	EACH	18	9,000.00			18	9,000.00
22	6" MJ Bends	400.00	EACH	1	400.00			1	400.00
23	6" MJ Long Sleeve	350.00	EACH	1	350.00			1	350.00
24	6" MJ Cap	200.00	EACH	3	600.00			3	600.00
25	1" Water Service Corp Stop with Service Saddle	220.00	EACH	15	3,300.00			15	3,300.00
26	1" Curb Stop w/Box	185.00	EACH	15	2,775.00			15	2,775.00
27	1" Water Service	13.00	L.FT	600	7,800.00			600	7,800.00
28	12" Jack and Bore Casing Pipe	175.00	L.FT	465	81,375.00			465	81,375.00
29	Connect to Existing Water Main	1,000.00	EACH	1	1,000.00			1	1,000.00
30	Standard Fire Hydrant	3,000.00	EACH	15	45,000.00			15	45,000.00
31	Abandon Existing AC Water Main	2,500.00	L.S.	1	2,500.00			1	2,500.00
			Construction Subtotal		337,350.00				337,350.00
			Contingencies (10%)		33,650.00				33,650.00
	Estimated Water Main Improvements Construction Subtotal				***371,000.00***				***371,000.00***
			Engineering and Administration		74,000.00				74,000.00
	Water Main Improvements Total				**445,000.00**				**445,000.00**
	SANITARY SEWER IMPROVEMENTS								
32	6" PVC Sanitary Sewer Force Main w/Bedding Material	25.00	L.FT	2700	67,500.00	2700	67,500.00		
33	8" PVC Sanitary Sewer w/Bedding Material	45.00	L.FT	3700	166,500.00	3700	166,500.00		
34	4" Sanitary Sewer Service w/Bedding Material	25.00	L.FT	280	7,000.00	280	7,000.00		
35	6" Sanitary Sewer Service w/Bedding Material	25.00	L.FT	320	8,000.00	320	8,000.00		
36	8x4 Sewer Wye	300.00	EACH	7	2,100.00	7	2,100.00		
37	8x8 Sewer Wye	300.00	EACH	8	2,400.00	8	2,400.00		
38	48" Sanitary Manhole w/Frame and Lid	3,500.00	EACH	13	45,500.00	13	45,500.00		
39	Sanitary Sewer Bypass Pumping	3,000.00	L.S.	1	3,000.00	1	3,000.00		
40	12" Jack and Bore Casing Pipe	175.00	L.FT	565	98,875.00	565	98,875.00		
41	Connect to Existing Sanitary Sewer	1,000.00	EACH	1	1,000.00	1	1,000.00		
42	Backup Generator with Automatic Transfer Switch	50,000.00	L.S.	1	50,000.00	1	50,000.00		
43	Electric Control Panel with Autodialer	25,000.00	L.S.	1	25,000.00	1	25,000.00		
44	Security Fencing	24.00	L.FT	84	2,016.00	84	2,016.00		
45	Security Gate	1,000.00	L.S.	1	1,000.00	1	1,000.00		
46	Sanitary Sewer Lift Station	150,000.00	L.S.	1	150,000.00	1	150,000.00		
			Construction Subtotal		629,891.00		629,891.00		
			Contingencies (10%)		63,109.00		63,109.00		
	Estimated Sanitary Sewer Improvements Construction Subtotal				***693,000.00***		***693,000.00***		
			Engineering and Administration		138,000.00		138,000.00		
	Sanitary Sewer Improvements Total				**831,000.00**		**831,000.00**		
	Estimated Construction Total:				**$1,370,000.00**		**$846,000.00**		**$524,000.00**
	Estimated Engineering and Administration Total:				**$273,000.00**		**$168,500.00**		**$104,500.00**
	Estimated Subtotal project (Construction and Engineering):						**$1,014,500.00**		**$628,500.00**
	ESTIMATED TOTAL PROJECT:				**$1,643,000.00**				

PRELIMINARY PROJECT COST ESTIMATE
MAIN STREET WATER MAIN IMPROVEMENTS PROJECT - EAGLE BUTTE, SD

Landmark Avenue to East Frontier Street

Prepared by DGR & Associates Company
April 24, 2012

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE		TOTAL PROJECT QTY	TOTAL PROJECT TOTAL	CLEAN WATER QTY	CLEAN WATER EARNED	DRINKING WATER QTY	DRINKING WATER EARNED
	GENERAL & STREET IMPROVEMENTS								
1	Mobilization	20,000.00	L.S.	1	20,000.00			1	20,000.00
2	Remove, Sawcut, & Dispose of Pavement	5.00	SQYD	4,650	23,250.00			4,650	23,250.00
3	Remove Existing Hydrant	500.00	EACH	4	2,000.00			4	2,000.00
4	Traffic Control	20,000.00	L.S.	1	20,000.00			1	20,000.00
5	Incidental Work (Utilities)	4,000.00	L.S.	1	4,000.00			1	4,000.00
6	Unclassified Excavation	8.00	CUYD	700	5,600.00			700	5,600.00
7	Woven GeoTextile Stabilization Fabric	2.50	SQYD	4,620	11,550.00			4,620	11,550.00
8	9" Scarify and Recompact	2.00	SQYD	4,620	9,240.00			4,620	9,240.00
9	Aggregate Base Course	15.00	TON	2,250	33,750.00			2,250	33,750.00
10	Asphalt Concrete Composite	110.00	TON	1,100	121,000.00			1,100	121,000.00
11	Trench Stabilization Material	25.00	TON	100	2,500.00			100	2,500.00
12	6" Concrete Fillet & Valley Gutters	80.00	SQYD	60	4,800.00			60	4,800.00
13	Curb and Gutter	20.00	L.FT	60	1,200.00			60	1,200.00
14	4" Concrete Sidewalk	5.00	SQFT	500	2,500.00			500	2,500.00
15	Detectable Warning Panel	40.00	SQFT	40	1,600.00			40	1,600.00
16	Seeding/Fertilize/Mulch	3,500.00	ACRE	0.5	1,750.00			0.5	1,750.00
17	Erosion Control	5,000.00	L.S.	1	5,000.00			1	5,000.00
18	Verify & Locate Utility	500.00	EACH	5	2,500.00			5	2,500.00
			Construction Subtotal		272,240.00				272,240.00
			Contingencies (10%)		27,760.00				27,760.00
	Estimated General & Street Improvements Construction Subtotal				***300,000.00***				***300,000.00***
			Engineering and Administration		60,000.00				60,000.00
	General & Street Improvements Total				**360,000.00**				**360,000.00**
	WATER MAIN IMPROVEMENTS								
19	6" PVC Water Main	25.00	L.FT	110	2,750.00			110	2,750.00
20	8" PVC Water Main	30.00	L.FT	1970	59,100.00			1970	59,100.00
21	6" Water Main Bedding Material	3.00	L.FT	110	330.00			110	330.00
22	8" Water Main Bedding Material	3.00	L.FT	1970	5,910.00			1970	5,910.00
23	6" MJ Gate Valve/Box	1,000.00	EACH	1	1,000.00			1	1,000.00
24	8" MJ Gate Valve/Box	1,600.00	EACH	8	12,800.00			8	12,800.00
25	8" MJ Bends	400.00	EACH	10	4,000.00			10	4,000.00
26	8"x6" MJ Tee	650.00	EACH	4	2,600.00			4	2,600.00
27	8"x8" MJ Tee	700.00	EACH	5	3,500.00			5	3,500.00
28	8"x6" MJ Reducer	400.00	EACH	5	2,000.00			5	2,000.00
29	6" MJ Long Sleeve	350.00	EACH	5	1,750.00			5	1,750.00
30	6" MJ Cap	200.00	EACH	1	200.00			1	200.00
31	Connect to Existing Water Main	1,000.00	EACH	5	5,000.00			5	5,000.00
32	Standard Fire Hydrant	3,000.00	EACH	4	12,000.00			4	12,000.00
33	Water Service	1,000.00	EACH	35	35,000.00			35	35,000.00
34	Abandon Existing AC Water Main	30,000.00	EACH	1	30,000.00			1	30,000.00
			Construction Subtotal		177,940.00				177,940.00
			Contingencies (10%)		17,060.00				17,060.00
	Estimated Water Main Improvements Construction Subtotal				***195,000.00***				***195,000.00***
			Engineering and Administration		39,000.00				39,000.00
	Water Main Improvements Total				**234,000.00**				**234,000.00**
	Estimated Construction Total:				**$495,000.00**				**$495,000.00**
	Estimated Engineering and Administration Total:				**$99,000.00**				**$99,000.00**
	Estimated Subtotal Project (Construction and Engineering):								**$594,000.00**
	ESTIMATED TOTAL PROJECT:				**$594,000.00**				

PRELIMINARY PROJECT COST ESTIMATE
WATER METER REPLACEMENT IMPROVEMENTS PROJECT - EAGLE BUTTE, SD
Prepared by DGR & Associates Company
April 24, 2012

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE		TOTAL PROJECT QTY	TOTAL PROJECT TOTAL	CLEAN WATER QTY	CLEAN WATER EARNED	DRINKING WATER QTY	DRINKING WATER EARNED
	WATER METER REPLACEMENT IMPROVEMENTS								
1	Mobilization	$20,000.00	L.S.	1	20,000.00			1	20,000.00
2	Furnish 5/8" x 3/4" Badger MDL 25 meter heads	$200.00	L.FT	1,200	240,000.00			1,200	240,000.00
3	Install 5/8" x 3/4" Badger MDL 25 meter heads	$150.00	EACH	1,000	150,000.00			1,000	150,000.00
4	Furnish Orion Trimble Handheld System Package with Orion Rcvr Board, Re	$8,000.00	L.S.	1	8,000.00			1	8,000.00
5	Furnish Premium Laptop Reading system	$20,000.00	L.S.	1	20,000.00			1	20,000.00
6	Replace existing meter and head with new 5/8" x 3/4" Badger MDL 25	$400.00	EACH	10	4,000.00			10	4,000.00
7	Furnish 1" Badger MDL 50 meter heads	$200.00	EACH	10	2,000.00			10	2,000.00
8	Install 1" Badger MDL 50 meter heads	$100.00	EACH	10	1,000.00			10	1,000.00
9	Furnish 2" Badger MDL 50 meter heads	$250.00	EACH	5	1,250.00			5	1,250.00
10	Install 2" Badger MDL 50 meter heads	$100.00	EACH	5	500.00			5	500.00
11	Furnish and Install Badger In-Home Display for Orion radio read	$500.00	EACH	5	2,500.00			5	2,500.00
			Construction Subtotal		449,250.00				449,250.00
			Contingencies (10%)		44,750.00				44,750.00
	Estimated Water Meter Replacement Improvements Construction Subtotal				***494,000.00***				***494,000.00***
			Engineering and Administration		99,000.00				99,000.00
	Water Meter Replacement Improvements Total				**593,000.00**				**593,000.00**
	Estimated Construction Total:				**$494,000.00**				**$494,000.00**
	Estimated Engineering and Administration Total:				**$99,000.00**				**$99,000.00**
	Estimated Subtotal Project (Construction and Engineering):								**$593,000.00**
	ESTIMATED TOTAL PROJECT:				**$593,000.00**				

WATER RATE ANALYSIS

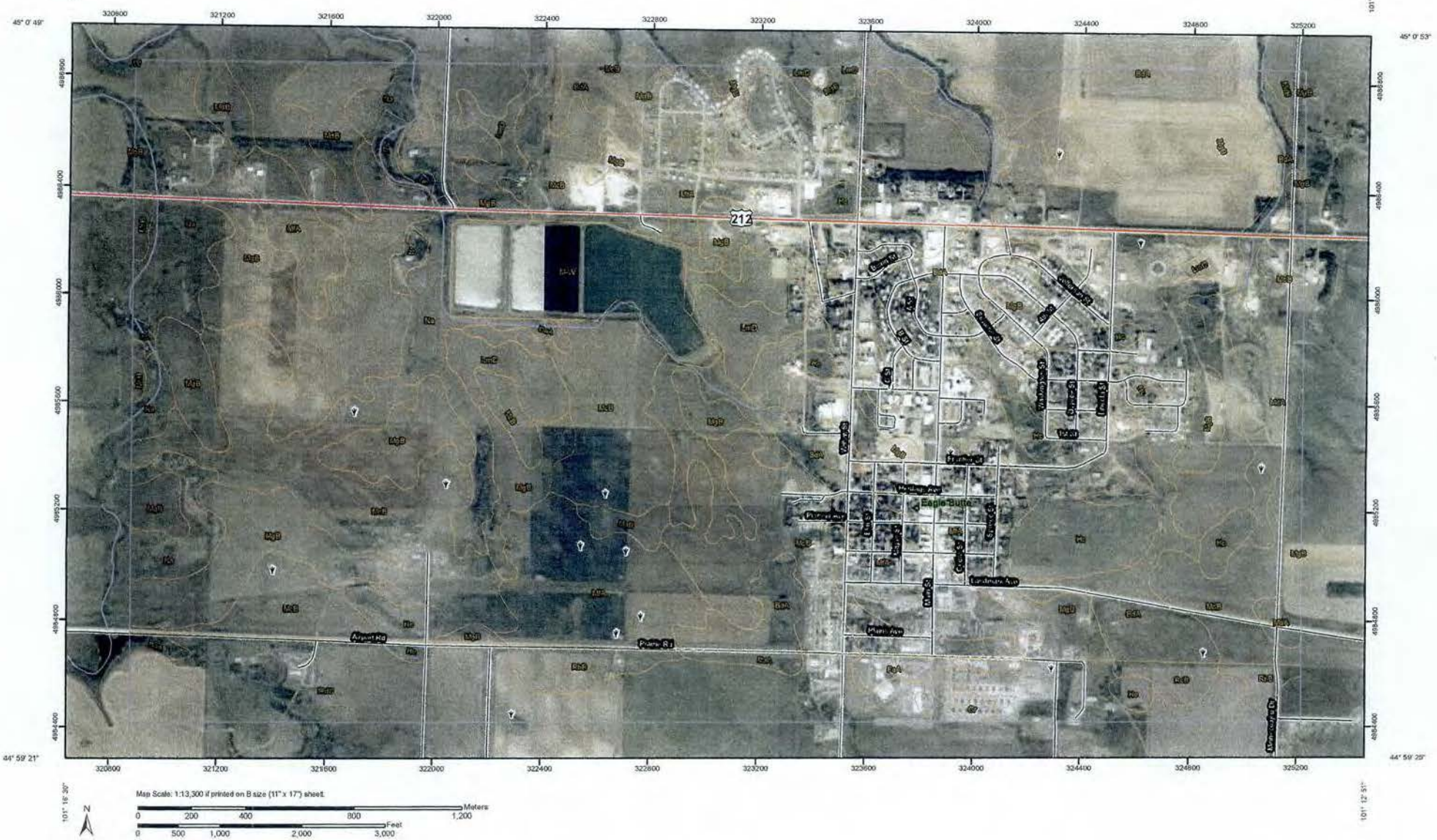
Existing Water Rate:	$30 per month	Water Meter Replacement =	$593,000
		Hwy 212 & Sycamore =	$456,000
No. of Users:	800	Main Replacement =	$234,000
Principal:	$1,283,000	**Total Project Costs =**	**$1,283,000**
Interest Rate:	3.25%		
Repayment Period:	30 years		

Grant/Loan Ratio	0%	25%	50%	75%	100%
Grant Amount	$0	$320,750	$641,500	$962,250	$1,283,000
Loan Amount	$1,283,000	$962,250	$641,500	$320,750	$0
Debt Service	$67,591	$50,693	$33,795	$16,898	$0

Minimum Rate Increase Required for Debt Service	$7.04	$5.28	$3.52	$1.76	$0.00
Additional Revenue with Minimum Rate Increase	$67,591	$50,693	$33,795	$16,898	$0
Surplus/Deficit (Revenue - Debt Service)	$0	$0	$0	$0	$0
Proposed Sewer Rate	**$37.04**	**$35.28**	**$33.52**	**$31.76**	**$30.00**
Percentage Increase Required	**23%**	**18%**	**12%**	**6%**	**0%**

APPENDIX A
SOILS INFORMATION

Soil Map—Dewey County, South Dakota, and Ziebach County, South Dakota



Map Scale: 1:13,300 if printed on B size (11" x 17") sheet.

N

Meters: 0 200 400 800 1,200

Feet: 0 500 1,000 2,000 3,000

USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

3/29/2012
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Units

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

Special Line Features

Gully

Short Steep Slope

Other

Political Features

Cities

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

MAP INFORMATION

Map Scale: 1:13,300 if printed on B size (11" × 17") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 14N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Dewey County, South Dakota
Survey Area Data: Version 12, Mar 22, 2011

Soil Survey Area: Ziebach County, South Dakota
Survey Area Data: Version 11, Mar 30, 2011

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Date(s) aerial images were photographed: 7/30/2004; 8/14/2004; 7/26/2004

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Dewey County, South Dakota (SD041)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
BdA	Belfield-Daglum silt loams, 0 to 2 percent slopes	254.3	9.7%
DaA	Daglum silt loam, 0 to 2 percent slopes	4.2	0.2%
Gb	Glenross fine sandy loam	1.8	0.1%
Hc	Heil soils	75.5	2.9%
LmD	Lantry-Morton silt loams, 6 to 15 percent slopes	60.9	2.3%
M-W	Miscellaneous water	82.0	3.1%
McB	Morton silt loam, 2 to 6 percent slopes	984.6	37.7%
MdA	Morton-Belfield complex, 0 to 2 percent slopes	44.1	1.7%
MdB	Morton-Belfield complex, 2 to 6 percent slopes	42.8	1.6%
MfA	Morton-Farland silt loams, 0 to 2 percent slopes	171.5	6.6%
MgB	Morton-Lantry silt loams, 2 to 9 percent slopes	449.7	17.2%
Na	Lohler, channeled-Rhoades complex	131.9	5.1%
W	Water	12.4	0.5%
Subtotals for Soil Survey Area		**2,315.7**	**88.7%**
Totals for Area of Interest		**2,609.5**	**100.0%**

Ziebach County, South Dakota (SD137)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
DaA	Daglum loam, 0 to 2 percent slopes	10.0	0.4%
FaA	Farland silt loam, 0 to 2 percent slopes	11.6	0.4%
Gr	Grail silt loam	6.7	0.3%
He	Heil silt loam	7.2	0.3%
RbB	Reeder loam, 2 to 6 percent slopes	26.9	1.0%
RcB	Reeder-Daglum loams, 1 to 6 percent slopes	10.3	0.4%
RdC	Reeder-Lantry complex, 2 to 9 percent slopes	221.1	8.5%
Subtotals for Soil Survey Area		**293.7**	**11.3%**
Totals for Area of Interest		**2,609.5**	**100.0%**

Dewey County, South Dakota

McB—Morton silt loam, 2 to 6 percent slopes

Map Unit Setting

Elevation: 1,660 to 3,610 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 41 to 46 degrees F
Frost-free period: 120 to 135 days

Map Unit Composition

Morton and similar soils: 75 percent
Minor components: 25 percent

Description of Morton

Setting

Landform: Plains
Landform position (two-dimensional): Backslope, summit
Down-slope shape: Linear
Across-slope shape: Linear, convex
Parent material: Silty residuum weathered from sedimentary rock

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 20 percent
Gypsum, maximum content: 2 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water capacity: Low (about 5.7 inches)

Interpretive groups

Land capability (nonirrigated): 2e
Ecological site: Loamy (R054XY031ND)
Other vegetative classification: Droughty Loam (G054XY120ND)

Typical profile

0 to 5 inches: Silt loam
5 to 17 inches: Silt loam
17 to 37 inches: Loam
37 to 60 inches: Weathered bedrock

Minor Components

Belfield

Percent of map unit: 5 percent

Landform: Swales
Landform position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Concave
Ecological site: Clayey (R054XY020ND)
Other vegetative classification: Clayey Subsoil (G054XY210ND)

Farland

Percent of map unit: 5 percent
Landform: Swales
Landform position (two-dimensional): Footslope
Down-slope shape: Concave, linear
Across-slope shape: Linear, concave
Ecological site: Loamy (R054XY031ND)
Other vegetative classification: Loam (G054XY100ND)

Heil

Percent of map unit: 5 percent
Landform: Closed depressions
Landform position (two-dimensional): Toeslope
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: Closed Depression (R054XY022ND)
Other vegetative classification: Not suited (G054XY000ND)

Lantry

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit, shoulder
Down-slope shape: Convex
Across-slope shape: Convex, linear
Ecological site: Thin Loamy (R054XY038ND)
Other vegetative classification: Limy Upland (G054XY400ND)

Reeder

Percent of map unit: 5 percent
Landform: Plains
Landform position (two-dimensional): Backslope
Down-slope shape: Linear
Across-slope shape: Linear, convex
Ecological site: Loamy (R054XY031ND)
Other vegetative classification: Droughty Loam (G054XY120ND)

Data Source Information

Soil Survey Area: Dewey County, South Dakota
Survey Area Data: Version 12, Mar 22, 2011

Soil Survey Area: Ziebach County, South Dakota
Survey Area Data: Version 11, Mar 30, 2011

Dewey County, South Dakota

BdA—Belfield-Daglum silt loams, 0 to 2 percent slopes

Map Unit Setting

Elevation: 1,660 to 3,610 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 41 to 46 degrees F
Frost-free period: 120 to 135 days

Map Unit Composition

Belfield and similar soils: 60 percent
Daglum and similar soils: 20 percent
Minor components: 20 percent

Description of Belfield

Setting

Landform: Swales
Landform position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Concave
Parent material: Residuum weathered from shale and siltstone

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 48 to 72 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 5 percent
Maximum salinity: Very slightly saline to moderately saline (4.0 to 16.0 mmhos/cm)
Sodium adsorption ratio, maximum: 20.0
Available water capacity: High (about 9.9 inches)

Interpretive groups

Land capability (nonirrigated): 3s
Ecological site: Clayey (R054XY020ND)
Other vegetative classification: Clayey Subsoil (G054XY210ND)

Typical profile

0 to 11 inches: Silt loam
11 to 22 inches: Silty clay
22 to 60 inches: Clay loam

Description of Daglum

Setting

Landform: Swales

Landform position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear, concave
Parent material: Clayey residuum weathered from shale

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 5 percent
Maximum salinity: Slightly saline to moderately saline (8.0 to 16.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0
Available water capacity: Moderate (about 7.9 inches)

Interpretive groups

Land capability (nonirrigated): 4s
Ecological site: Claypan (R054XY021ND)
Other vegetative classification: Claypan (G054XY800ND)

Typical profile

0 to 7 inches: Silt loam
7 to 21 inches: Silty clay
21 to 60 inches: Silty clay

Minor Components

Farland

Percent of map unit: 7 percent
Landform: Swales
Landform position (two-dimensional): Footslope
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: Loamy (R054XY031ND)
Other vegetative classification: Loam (G054XY100ND)

Morton

Percent of map unit: 6 percent
Landform: Plains
Landform position (two-dimensional): Backslope
Down-slope shape: Linear
Across-slope shape: Linear, convex
Ecological site: Loamy (R054XY031ND)
Other vegetative classification: Droughty Loam (G054XY120ND)

Reeder

Percent of map unit: 6 percent
Landform: Plains
Landform position (two-dimensional): Backslope

Down-slope shape: Linear
Across-slope shape: Linear, convex
Ecological site: Loamy (R054XY031ND)
Other vegetative classification: Droughty Loam (G054XY120ND)

Heil

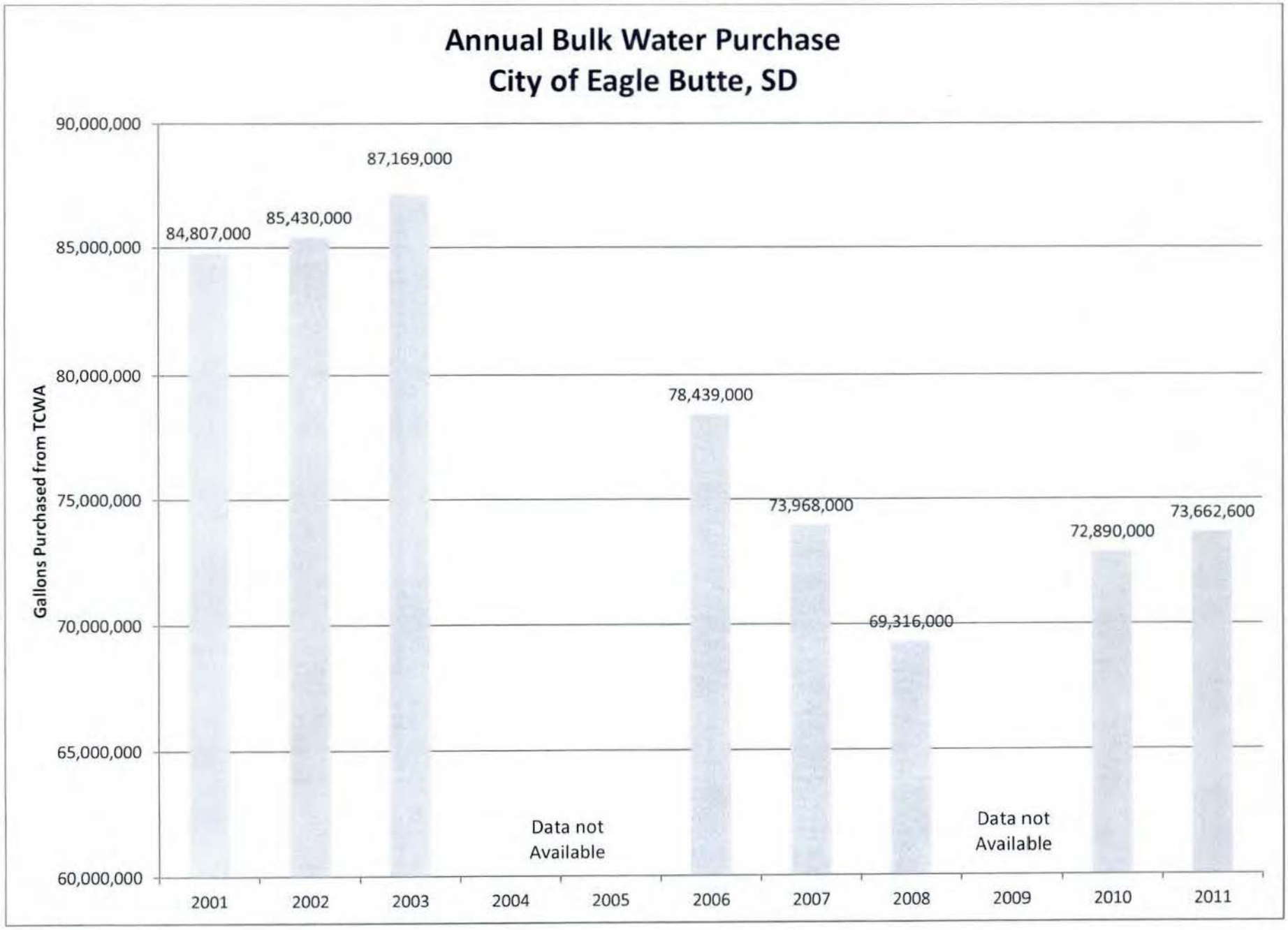
Percent of map unit: 1 percent
Landform: Closed depressions
Landform position (two-dimensional): Toeslope
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: Closed Depression (R054XY022ND)
Other vegetative classification: Not suited (G054XY000ND)

Data Source Information

Soil Survey Area: Dewey County, South Dakota
Survey Area Data: Version 12, Mar 22, 2011

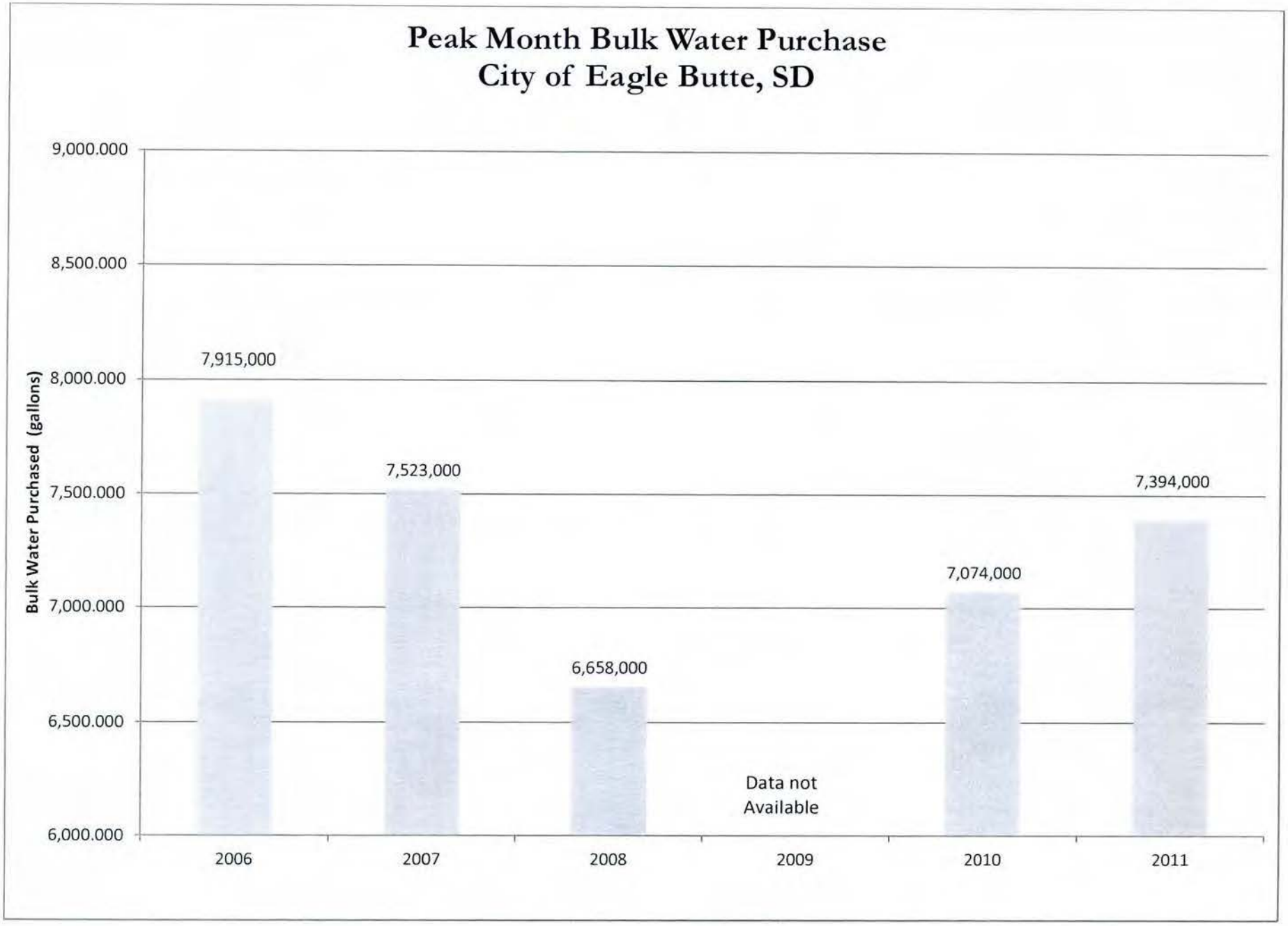
Soil Survey Area: Ziebach County, South Dakota
Survey Area Data: Version 11, Mar 30, 2011

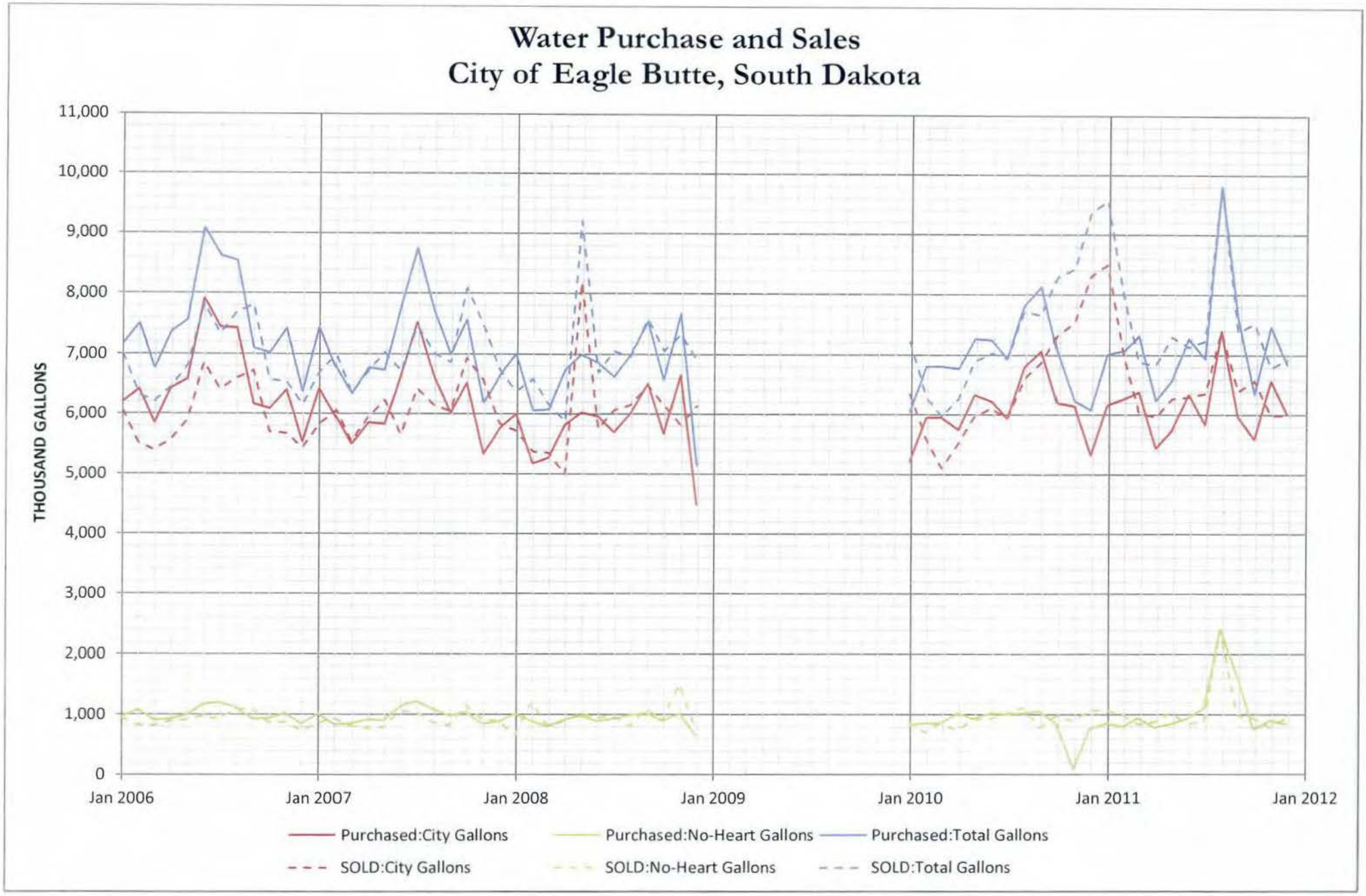
APPENDIX B
WATER USE SUMMARY



P:\06\62\090\Sprdsht\EB_ConsumptionAnalysis.xlsx
3/29/2012

Chart 1


Peak Month Bulk Water Purchase
City of Eagle Butte, SD
Bulk Water Purchased (gallons)
9,000.000
8,500.000
8,000.000
7,500.000
7,000.000
6,500.000
6,000.000
7,915,000
7,523,000
6,658,000
Data not Available
7,074,000
7,394,000
2006
2007
2008
2009
2010
2011


Water Purchase and Sales
City of Eagle Butte, South Dakota
THOUSAND GALLONS
11,000
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Jan 2006
Jan 2007
Jan 2008
Jan 2009
Jan 2010
Jan 2011
Jan 2012
Purchased:City Gallons
Purchased:No-Heart Gallons
Purchased:Total Gallons
SOLD:City Gallons
SOLD:No-Heart Gallons
SOLD:Total Gallons

APPENDIX C
WATER USE DATA

JANUARY 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	756	190	4,888,000	25%	$8,810.96	289	$2,270.00
2	158	44	2,215,000	28%	$4,439.78	19	$475.00
3	162	0	0	0%	$16,222.56	0	$0.00
	1076	234	7,103,000	27%	$29,473.30	308	$2,745.00

NH	121	6	850,000	5%	$1,327.46	26	$445.00
			6,253,000				

TCWA	CITY	6,744,000	-6,253,000	491,000
	NO HEART	1,062,000	-850,000	212,000
		7,806,000	-7,103,000	703,000

703,000	BY	7,806,000	TOTAL	9.01% LOSS
212,000	BY	1,062,000	NH	19.96% LOSS
491,000	BY	6,744,000	CITY	7.28% LOSS

FEBRUARY 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	758	266	4,528,000	35%	$8,842.44	420	$2,856.26
2	168	50	1,746,000	30%	$10,016.20	21	$389.00
3	161	1	0	0%	$19,628.53	0	$0.00
	1087	317	6,274,000	47%	$38,487.17	441	$3,245.26

NH	121	49	881,000	40%	$941.70	83	$490.00
			5,393,000				

TCWA	CITY	6,198,000	-5,393,000	805,000
	NO HEART	907,000	-881,000	26,000
		7,105,000	-6,274,000	831,000

831,000	BY	7,105,000	TOTAL	11.70% LOSS
26,000	BY	907,000	NH	2.87% LOSS
805,000	BY	6,198,000	CITY	12.99% LOSS

MARCH 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	761	124	4,494,000	16%	$8,742.04	217	$2,045.00
2	168	46	1,741,000	27%	$8,288.30	15	$650.00
3	164	0	0	0%	$19,697.47	0	$0.00
	1,093	170	6,235,000	18%	$36,727.81	232	$2,695.00

NH	121	2	895,000	2%	$1,218.43	21	$360.00
			5,340,000				

TCWA	CITY	6,168,000	-5,340,000	828,000
	NO HEART	912,000	-895,000	17,000
		7,080,000	-6,235,000	845,000

845,000	BY	7,080,000	TOTAL	11.94% LOSS
17,000	BY	912,000	NH	1.86% LOSS
828,000	BY	6,168,000	CITY	13.42% LOSS

APRIL 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	767	279	4,643,000	36%	$10,563.46	417	$2,680.00
2	165	50	1,925,000	30%	$8,086.71	3	$960.00
3	164	0	0	0%	$20,141.53	0	$0.00
	1,096	329	6,568,000	26%	$38,791.70	420	$3,640.00

NH	121	50	896,000	41%	$1,581.70	86	$620.00
			5,672,000				

TCWA	CITY	7,121,000	-5,672,000	1,449,000
	NO HEART	1,034,000	-896,000	138,000
		8,155,000	-6,568,000	1,587,000

1,587,000	BY	8,155,000	TOTAL	19.46% LOSS
138,000	BY	1,034,000	NH	13.35% LOSS
1,449,000	BY	7,121,000	CITY	20.35% LOSS

MAY 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	767	272	5,067,000	35%	$9,164.35	428	$3,270.05
2	164	39	2,192,000	24%	$6,377.78	0	$0.00
3	167	0	0	0%	$15,962.96	0	$0.00
	1098	311	7,259,000	33%	$31,505.09	428	$3,270.05

NH	121	53	1,007,000	44%	$1,575.90	100	$955.00
			6,252,000				

TCWA	CITY	6,314,000	-6,252,000	62,000
	NO HEART	1,009,000	-1,007,000	2,000
		7,323,000	-7,259,000	64,000

64,000	BY	7,323,000	TOTAL	0.87% LOSS
2,000	BY	1,009,000	NH	0.20% LOSS
62,000	BY	6,314,000	CITY	0.98% LOSS

JUNE 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	760	283	4,877,000	37%	$10,490.87	433	$2,740.00
2	166	58	1,769,000	35%	$12,683.58	19	$582.00
3	165	0	0	0%	$16,284.51	0	$0.00
	1091	341	6,646,000	36%	$39,458.96	452	$3,322.00

NH	121	58	981,000	48%	$2,394.26	91	$790.00
			5,665,000				

TCWA	CITY	7,241,000	-5,665,000	1,576,000
	NO HEART	1,259,000	-981,000	278,000
		8,500,000	-6,646,000	1,854,000

1,854,000	BY	8,500,000	TOTAL	21.81% LOSS
278,000	BY	1,259,000	NH	22.08% LOSS
1,576,000	BY	7,241,000	CITY	21.76% LOSS

JULY 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	755	251	5,537,000	33%	$8,743.24	397	$3,575.00
2	169	51	2,081,000	30%	$10,073.08	3	$75.00
3	182	0	0	0%	$20,280.46	0	$0.00
	1106	302	7,618,000	31%	$39,096.78	400	$3,650.00

NH	120	51	1,208,000	32%	$2,027.00	85	$870.00
			6,410,000				

TCWA	CITY	7,798,000	-6,410,000	1,388,000
	NO HEART	1,603,000	-1,208,000	395,000
		9,401,000	-7,618,000	1,783,000

1,783,000	BY	9,401,000	TOTAL	18.97% LOSS
395,000	BY	1,603,000	NH	24.64% LOSS
1,388,000	BY	7,798,000	CITY	17.80% LOSS

AUGUST 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	767	216	6,096,000	28%	$9,800.25	387	$3,205.00
2	169	56	2,276,000	33%	$15,075.18	2	$671.15
3	190	0	0	0%	$20,520.82	0	$0.00
	1126	272	8,372,000	29%	$45,396.25	389	$3,876.15

NH	121	40	1,253,000	33%	$3,008.03	68	$705.00
			7,119,000				

TCWA	CITY	8,536,000	-7,119,000	1,417,000
	NO HEART	1,443,000	-1,253,000	190,000
		9,979,000	-8,372,000	1,607,000

1,607,000	BY	9,979,000	TOTAL	16.10% LOSS
190,000	BY	1,443,000	NH	13.17% LOSS
1,417,000	BY	8,536,000	CITY	16.60% LOSS

SEPTEMBER 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	764	156	5,974,000	20%	$8,626.45	277	$2,030.00
2	171	35	2,102,000	20%	$4,894.87	1	$10.00
3	207	0	0	0%	$20,467.12	0	$0.00
	1142	191	8,076,000	28%	$33,988.44	278	$2,040.00

NH	120	46	1,080,000	20%	$2,091.19	87	$810.00
			6,996,000				

TCWA	CITY	8,326,000	-6,996,000	1,330,000
	NO HEART	1,126,000	-1,080,000	46,000
		9,452,000	-8,076,000	1,376,000

1,376,000	BY	9,452,000	TOTAL	14.56% LOSS
46,000	BY	1,126,000	NH	4.09% LOSS
1,330,000	BY	8,326,000	CITY	15.97% LOSS

OCTOBER 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	766	234	4,806,000	31%	$24,246.67	397	$3,514.74
2	167	45	2,252,000	27%	$1,647.53	5	$675.00
3	211	0		0%	$20,728.78	0	$0.00
	1144	279	7,058,000	24%	$46,622.98	402	$4,189.74

NH	120	34	903,000	28%	$2,282.46	72	$860.00
			6,155,000				

TCWA	CITY	6,867,000	-6,155,000	712,000
	NO HEART	984,000	-903,000	81,000
		7,851,000	-7,058,000	793,000

793,000	BY	7,851,000	TOTAL	10.10% LOSS
81,000	BY	984,000	NH	8.23% LOSS
712,000	BY	6,867,000	CITY	10.37% LOSS

NOVEMBER 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	763	246	4,820,000	32%	$7,643.60	380	$2,495.00
2	169	52	2,310,000	31%	$8,791.73	5	$252.49
3	232	0	0	0%	$20,492.39	0	$0.00
	1164	298	7,130,000	32%	$36,927.72	385	$2,747.49

NH	120	40	874,000	33%	$1,550.30	77	$620.00
			6,256,000				

TCWA	CITY	6,862,000	-6,256,000	606,000
	NO HEART	932,000	-874,000	58,000
		7,794,000	-7,130,000	664,000

664,000	BY	7,794,000	TOTAL	8.52% LOSS
58,000	BY	932,000	NH	6.22% LOSS
606,000	BY	6,862,000	CITY	8.83% LOSS

DECEMBER 2001 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	759	345	4,591,000	45%	$13,302.16	476	$4,433.00
2	169	63	1,957,000	37%	$19,832.94	6	$347.00
3	244	0	0	0%	$21,233.55	0	$0.00
	1172	408	6,548,000	44%	$54,368.65	482	$4,780.00

NH	121	81	954,000	67%	$2,578.90	96	$845.00
			5,594,000				

TCWA	CITY	6,632,000	-5,594,000	1,038,000
	NO HEART	922,000	-954,000	-32,000
		7,554,000	-6,548,000	1,006,000

1,006,000	BY	7,554,000	TOTAL	13.32% LOSS
-32,000	BY	922,000	NH	-3.47% GAIN
1,006,000	BY	6,632,000	CITY	15.17% LOSS

2001 CONSUMPTION ANALYSIS

	TCWA- PURCHASED			CITY- SOLD		
MONTH 2002	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS
JANUARY	6,744,000	1,062,000	7,806,000	6,253,000	850,000	7,103,000
FEBRUARY	6,198,000	907,000	7,105,000	5,393,000	881,000	6,274,000
MARCH	6,168,000	912,000	7,080,000	5,340,000	895,000	6,235,000
APRIL	7,121,000	1,034,000	8,155,000	5,672,000	896,000	6,568,000
MAY	6,314,000	1,009,000	7,323,000	6,252,000	1,007,000	7,259,000
JUNE	7,241,000	1,259,000	8,500,000	5,665,000	981,000	6,646,000
JULY	7,798,000	1,603,000	9,401,000	6,410,000	1,208,000	7,618,000
AUGUST	8,536,000	1,443,000	9,979,000	7,119,000	1,253,000	8,372,000
SEPTEMBER	8,326,000	1,126,000	9,452,000	6,996,000	1,080,000	8,076,000
OCTOBER	6,867,000	984,000	7,851,000	6,155,000	903,000	7,058,000
NOVEMBER	6,862,000	932,000	7,794,000	6,256,000	874,000	7,130,000
DECEMBER	6,632,000	922,000	7,554,000	5,594,000	954,000	6,548,000
TOTALS	84,807,000	13,193,000	98,000,000	73,105,000	11,782,000	84,887,000

CITY GALLONS SOLD	84,887,000
TCWA GALLONS PURCHASED	98,000,000
	13,113,000

13%
LOSS

CITY	CYCLE 1	CYCLE 2	CYCLE 3
	4,888,000	2,215,000	0
	4,528,000	1,746,000	0
	4,494,000	1,741,000	0
	4,643,000	1,925,000	0
	5,067,000	2,192,000	0
	4,877,000	1,769,000	0
	5,537,000	2,081,000	0
	6,096,000	2,276,000	0
	5,974,000	2,102,000	0
	4,806,000	2,252,000	0
	4,820,000	2,310,000	0
	4,591,000	1,957,000	0
TOTAL	60,321,000	24,566,000	0

84,887,000

JANUARY 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	772	345	4,591,000	45%	$14,243.11	476	$4,433.00
2	169	60	1,935,000	33%	$19,823.94	6	$347.00
3	236	0	0	0%	$20,860.46	0	$0.00
	1177	405	6,526,000	34%	$54,927.51	482	$0.00

NH	121	46	942,000	38%	$1,692.53	68	$680.00
			5,584,000				

TCWA	CITY	6,788,000	-5,584,000	1,204,000
	NO HEART	940,000	-942,000	-2,000
		7,728,000	-6,526,000	1,202,000

1,202,000	BY	7,728,000	TOTAL	15.55% LOSS
-2,000	BY	940,000	NH	-0.21% GAIN
1,204,000	BY	6,788,000	CITY	17.74% LOSS

FEBRUARY 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	805	487	5,267,000	60%	$12,722.38	481	$3,425.00
2	172	81	3,216,000	47%	$4,002.88	7	$2,741.01
3	229	1	0	0%	$15,196.35	0	$0.00
	1206	569	8,483,000	47%	$31,921.61	488	$6,166.01

NH	119	75	858,000	63%	$1,841.50	85	$610.00
			7,625,000				

TCWA	CITY	6,780,000	-7,625,000	-845,000
	NO HEART	905,000	-858,000	47,000
		7,685,000	-8,483,000	-798,000

-798,000	BY	7,685,000	TOTAL	-10.38% GAIN
47,000	BY	905,000	NH	5.19% LOSS
-845,000	BY	6,780,000	CITY	-12.46% GAIN

MARCH 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	792	235	4,353,000	30%	$9,641.12	426	$2,953.94
2	167	58	4,386,000	35%	$1,159.30	2	$75.00
3	234	0	0	0%	$17,579.54	0	$0.00
	1,193	293	8,739,000	31%	$28,379.96	428	$3,028.94

NH	120	53	897,000	44%	$2,247.70	82	$965.00
			7,842,000				

TCWA	CITY	6,302,000	-7,842,000	-1,540,000
	NO HEART	881,000	-897,000	-16,000
		7,183,000	-8,739,000	-1,556,000

-1,556,000	BY	7,183,000	TOTAL	-21.66% GAIN
-16,000	BY	881,000	NH	-1.82% GAIN
-1,540,000	BY	6,302,000	CITY	-24.44% GAIN

APRIL 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	795	209	4,820,000	26%	$10,477.23	355	$2,955.00
2	167	37	2,026,000	22%	$4,082.85	5	$1,325.00
3	240	0	0	0%	$19,127.38	0	$0.00
	1202	246	6,846,000	26%	$33,687.46	360	$4,280.00

NH	121	63	928,000	52%	$2,303.80	80	$745.00
			5,918,000				

TCWA	CITY	6,675,000	-5,918,000	757,000
	NO HEART	947,000	-928,000	19,000
		7,622,000	-6,846,000	776,000

776,000	BY	7,622,000	TOTAL	10.18% LOSS
19,000	BY	947,000	NH	2.01% LOSS
757,000	BY	6,675,000	CITY	11.34% LOSS

MAY 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	798	248	4,852,000	31%	$12,931.25	434	$3,015.00
2	170	50	1,964,000	29%	$264.08	2	$50.00
3	240	0	0	0%	$14,260.39	0	$0.00
	1208	298	6,816,000	30%	$27,455.72	436	$3,065.00

NH	120	69	954,000	58%	$2,962.90	91	$810.00
			5,862,000				

TCWA	CITY	7,474,000	-5,862,000	1,612,000
	NO HEART	1,133,000	-954,000	179,000
		8,607,000	-6,816,000	1,791,000

1,791,000	BY	8,607,000	TOTAL	20.81% LOSS
179,000	BY	1,133,000	NH	15.80% LOSS
1,612,000	BY	7,474,000	CITY	21.57% LOSS

JUNE 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	801	200	5,639,000	25%	$10,462.80	408	$3,695.00
2	172	46	2,438,000	27%	$3,643.65	5	$110.00
3	263	0	0	0%	$19,344.38	0	$0.00
	1236	246	8,077,000	26%	$33,450.83	413	$3,805.00

NH	120	61	984,000	51%	$2,419.90	86	$805.00
			7,093,000				

TCWA	CITY	10,212,000	-7,093,000	3,119,000
	NO HEART	1,535,000	-984,000	551,000
		11,747,000	-8,077,000	3,670,000

3,670,000	BY	11,747,000	TOTAL	31.24% LOSS
551,000	BY	1,535,000	NH	35.90% LOSS
3,119,000	BY	10,212,000	CITY	30.54% LOSS

JULY 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	799	198	6,035,000	25%	$10,397.54	332	$2,905.00
2	172	44	2,192,000	26%	$1,526.77	6	$223.53
3	272	0	0	0%	$19,393.12	0	$0.00
	1243	242	8,227,000	25%	$31,317.43	338	$3,128.53

NH	120	47	1,219,000	39%	$2,020.95	70	$870.00
			7,008,000				

TCWA	CITY	6,366,000	-7,008,000	-642,000
	NO HEART	952,000	-1,219,000	-267,000
		7,318,000	-8,227,000	-909,000

-909,000	BY	7,318,000	TOTAL	-12.42% GAIN
-267,000	BY	952,000	NH	-28.05% GAIN
-642,000	BY	6,366,000	CITY	-10.08% GAIN

AUGUST 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	801	213	5,853,000	27%	$10,930.78	321	$3,457.00
2	173	59	2,732,000	34%	$1,261.82	4	$166.73
3	267	0	0	0%	$14,392.24	0	$0.00
	1241	272	8,585,000	28%	$26,584.84	325	$3,623.73

NH	119	7	1,184,000	6%	$2,139.30	27	$665.00
			7,401,000				

TCWA	CITY	8,422,000	-7,401,000	1,021,000
	NO HEART	1,328,000	-1,184,000	144,000
		9,750,000	-8,585,000	1,165,000

1,165,000	BY	9,750,000	TOTAL	11.95% LOSS
144,000	BY	1,328,000	NH	10.84% LOSS
1,021,000	BY	8,422,000	CITY	12.12% LOSS

SEPTEMBER 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	803	236	5,291,000	29%	$13,074.73	441	$3,830.00
2	169	45	2,451,000	27%	$3,035.12	0	$0.00
3	291	0	0	0%	$19,859.46	0	$0.00
	1263	281	7,742,000	28%	$35,969.31	441	$3,830.00

NH	120	57	1,079,000	61%	$2,872.20	85	$955.00
			6,663,000				

TCWA	CITY	7,809,000	-6,663,000	1,146,000
	NO HEART	1,125,000	-1,079,000	46,000
		8,934,000	-7,742,000	1,192,000

1,192,000	BY	8,934,000	TOTAL	13.34% LOSS
46,000	BY	1,125,000	NH	4.09% LOSS
1,146,000	BY	7,809,000	CITY	14.68% LOSS

OCTOBER 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	804	184	5,164,000	23%	$12,786.50	331	$3,315.00
2	158	47	21,989,000	30%	$3,936.63	3	$0.00
3	289	0	0	0%	$14,552.52	0	$0.00
	1251	231	27,153,000	24%	$31,275.65	334	$3,315.00

NH	119	59	962,000	50%	$2,914.20	91	$965.00
			26,191,000				

TCWA	CITY	6,299,000	-26,191,000	-19,892,000
	NO HEART	922,000	-962,000	-40,000
		7,221,000	-27,153,000	-19,932,000

-19,932,000	BY	7,221,000	TOTAL	-276.03% GAIN
-40,000	BY	922,000	NH	-4.34% GAIN
-19,892,000	BY	6,299,000	CITY	-315.80% GAIN

NOVEMBER 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	806	263	5,060,000	33%	$12,535.86	105	$2,161.65
2	170	67	2,054,000	39%	$9,536.96	12	$1,317.66
3	215	0	0	0%	$22,803.67	0	$0.00
	1191	330	7,114,000	34%	$44,876.49	117	$3,479.31

NH	121	11	872,000	9%	$1,883.00	27	$445.00
			6,242,000				

TCWA	CITY	6,863,000	-6,242,000	621,000
	NO HEART	984,000	-872,000	112,000
		7,847,000	-7,114,000	733,000

733,000	BY	7,847,000	TOTAL	9.34% LOSS
112,000	BY	984,000	NH	11.38% LOSS
621,000	BY	6,863,000	CITY	9.05% LOSS

DECEMBER 2002 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	804	336	4,805,000	42%	$14,052.28	492	$3,510.00
2	171	59	1,939,000	29%	$8,494.70	0	$0.00
3	220	0	0	0%	$17,898.78	0	$0.00
	1195	395	6,744,000	41%	$40,445.76	492	$3,510.00

NH	121	77	940,000	64%	$2,434.73	81	$540.00
			5,804,000				

TCWA	CITY	5,440,000	-5,804,000	-364,000
	NO HEART	758,000	-940,000	-182,000
		6,198,000	-6,744,000	-546,000

-546,000	BY	6,198,000	TOTAL	-8.81% GAIN
-182,000	BY	758,000	NH	-24.01% GAIN
-364,000	BY	5,440,000	CITY	-6.69% GAIN

2002 CONSUMPTION ANALYSIS

	TCWA- PURCHASED			CITY- SOLD		
MONTH 2002	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS
JANUARY	6,788,000	940,000	7,728,000	5,584,000	942,000	6,526,000
FEBRUARY	6,780,000	905,000	7,685,000	7,625,000	858,000	8,483,000
MARCH	6,302,000	881,000	7,183,000	7,842,000	897,000	8,739,000
APRIL	6,675,000	947,000	7,622,000	5,918,000	928,000	6,846,000
MAY	7,474,000	1,133,000	8,607,000	5,862,000	954,000	6,816,000
JUNE	10,212,000	1,535,000	11,747,000	7,093,000	984,000	8,077,000
JULY	6,366,000	952,000	7,318,000	7,008,000	1,219,000	8,227,000
AUGUST	8,422,000	1,328,000	9,750,000	7,401,000	1,184,000	8,585,000
SEPTEMBER	7,809,000	1,125,000	8,934,000	6,663,000	1,079,000	7,742,000
OCTOBER	6,299,000	922,000	7,221,000	26,191,000	962,000	27,153,000
NOVEMBER	6,863,000	984,000	7,847,000	6,242,000	872,000	7,114,000
DECEMBER	5,440,000	758,000	6,198,000	5,804,000	940,000	6,744,000
TOTALS	85,430,000	12,410,000	97,840,000	99,233,000	11,819,000	111,052,000

CITY GALLONS SOLD	111,052,000
TCWA GALLONS PURCHASED	97,840,000
	13,212,000

14%
GAIN

CITY	CYCLE 1	CYCLE 2	CYCLE 3	
	4,836,000	1,793,000	0	
	4,411,000	2,046,000	0	
	5,533,000	1,869,000	0	
	4,820,000	2,026,000	0	
	4,852,000	1,964,000	0	
	5,639,000	2,438,000	0	
	6,035,000	2,192,000	0	
	5,853,000	2,732,000	0	
	5,291,000	2,451,000	0	
	5,164,000	1,961,000	0	
	5,060,000	2,054,000	0	
	4,805,000	1,939,000	0	
TOTAL	62,299,000	25,465,000	0	87,764,000

JANUARY 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	805	276	5,074,000	34%	$14,001.76	473	$3,551.00
2	170	65	2,364,000	38%	$3,583.68	3	$90.00
3	234	0	0	0%	$23,514.92	0	$0.00
	975	341	7,438,000	35%	$41,100.36	476	$3,641.00

NH	121	74	874,000	61%	$2,159.70	98	$1,055.00
			6,564,000				

TCWA	CITY	7,811,000	-6,564,000	1,247,000
	NO HEART	1,157,000	-874,000	283,000
		8,968,000	-7,438,000	1,530,000

1,530,000 BY 8,968,000	TOTAL	17%LOSS
283,000 BY 1,157,000	NH	24% LOSS
1,247,000 BY 7,811,000	CITY	16%LOSS

FEBRUARY 2003 CONSUMPTION ANALYSIS

CORRECTIVE REPORT AFTER CORRECTIVE BILLING

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	791	326	4,995,000	41%	$12,722.38	481	$3,425.00
2	160	75	3,136,000	47%	$7,120.89	6	$2,141.01
3	233	2	7,000	1%	$17,789.55	1	$10.00
	1,184	568	8,138,000	42%	$37,632.82	488	$5,576.01

NH	119	56	858,000	47%	$1,841.50	85	$610.00
			7,280,000				

TCWA	CITY	6,121,000	-7,280,000	-1,159,000
	NO HEART	860,000	-858,000	2,000
		6,981,000	-8,138,000	-1,161,000

1,161,000 BY 6,981,000	TOTAL	17%GAIN
2,000 BY 860,000	NH	0% LOSS
1,159,000 BY 6,121,000	CITY	19%GAIN

THIS IS A SECOND REPORT FOR FEBUARY COMPLETED TO INCLUDE MANUAL ADJUSTMENT BASED UPON ALL CORRECTIVE BILLING AFTER THE BILLING FILE WAS INADVERTENTLY LOST BY SHANON K. LECOMPTE.
A DIRECTION WAS ISSUED BY THE F.O. FOR THIS PURPOSE DUE TO THE ISSUES NOTED TO DATE IN COMPLETING CONSUMPTION ANALYSIS REPORT.

MARCH 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	803	255	4,679,000	32%	$13,923.55	477	$3,655.00
2	172	59	11,665,000	34%	$7,431.65	0	$0.00
3	245	0	0	0%	$23,167.83	0	$0.00
	1,220	314	16,344,000	33%	$44,523.03	477	$3,655.00

NH	120	52	897,000	43%	$2,247.70	82	$965.00
			15,447,000				

TCWA	CITY	5,695,000	-15,447,000	-9,752,000
	NO HEART	838,000	-897,000	-59,000
		6,533,000	-16,344,000	-9,811,000

9,811,000 BY 6,533,000	TOTAL	67% GAIN	
59,0000 BY 838,000	NH	7% GAIN	
9,752,000 BY 5,695,000	CITY	58% GAIN	

Note: City billing register after corrective billing dated 4/29/03

Issue noted by Sheila J. Ganje 5/1/03

1. There was a work order dated 3/31/03 prepared by Shanon k. LeCompte (#0782 attached) where by BIA notified the City that they were connecting the BIA swimming pool and gave a beginning meter read of 17347900. Ms. LeCompte did not act on the work order therefore they were not billed in March nor April.

Review comments/ questions by Sheila J. Ganje 5/01/03

1. Is TCWA billing based on estimate?

There is no asterik on the billing card therefore the computer did not estimate billing.
Did an employee post a meter read based upon an estimate?

2. Is the master meter(s) located at the water tower(s) functioning properly.
3. City has a 33% estimation and is estimation creating this large gain?

Decision: Perform a 6 month review (Jan.- June 2003) of water consumption and determine if there is an overall gain or loss over this period. If there is a significant gain by City after 6 months, actions may entail conferring with TCWA regarding master meters and meter reading.

APRIL 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	805	240	4,686,000	30%	$15,261.40	422	$3,210.00
2	173	54	2,431,000	31%	$48,071.05	1	$25.00
3	250	0	0	0%	$23,553.72	0	$0.00
	1,228	294	7,117,000	30%	$86,886.17	423	$3,235.00

NH	121	56	883,000	46%	$2,532.54	109	$860.00
			6,234,000				

TCWA	CITY	7,085,000	-6,234,000	851,000
	NO HEART	1,020,000	-883,000	137,000
		8,105,000	-7,117,000	988,000

988,000 BY 8,105,000 TOTAL 12% LOSS
137,0000 BY 1,020,000 NH 12% LOSS
851,000 BY 7,085,000 CITY 12% LOSS

MAY 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	806	256	4,727,000	32%	$18,833.93	416	$3,682.22
2	174	56	2,203,000	32%	$39,384.89	5	$85.76
3	247	0	0	0%	$17,646.11	0	$0.00
	1,227	312	6,930,000	32%	$75,864.93	421	$3,767.98

NH	121	71	884,000	59%	$3,141.20	100	$910.00
			6,046,000				

TCWA	CITY	7,041,000	-6,046,000	995,000
	NO HEART	1,080,000	-884,000	196,000
		8,121,000	-6,930,000	1,191,000

1,191,000	BY 8,121,000	TOTAL	15% LOSS
196,0000	BY 1,080,000	NH	18% LOSS
995,000	BY 7,041,000	CITY	14% LOSS

JUNE 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	792	231	4,957,000	29%	$15,551.85	416	$4,062.00
2	163	49	2,387,000	30%	$47,646.65	35	$160.00
3	269	0	0	0%	$27,006.23	0	$0.00
	1,224	280	7,344,000	30%	$90,204.73	451	$4,222.00

NH	121	6	1,018,000	5%	$2,394.60	44	$1,030.00
			6,326,000				

TCWA	CITY	9,187,000	-7,344,000	1,843,000
	NO HEART	1,467,000	-1,018,000	449,000
		10,654,000	-8,362,000	2,292,000

2,292,000 BY 10,654,000	TOTAL	22% LOSS	
449,0000 BY 1,467,000	NH	31% LOSS	
1,843,000 BY 9,187,000	CITY	20% LOSS	

JULY 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	793	300	5,663,000	38%	$15,991.27	499	$4,230.00
2	163	38	2,437,000	23%	$7,838.50	41	$435.00
3	257	0	0	0%	$21,110.80	0	$0.00
	1,213	338	8,100,000	35%	$44,940.57	540	$4,665.00

NH	121	68	1,089,000	56%	$3,368.29	115	$1,070.00
			7,011,000				

TCWA	CITY	8,468,000	-8,100,000	368,000
	NO HEART	1,271,000	-1,089,000	182,000
		9,739,000	-9,189,000	550,000

550,000 BY 9,739,000	TOTAL	6% LOSS
182,000 BY 1,271,000	NH	14% LOSS
368,000 BY 8,468,000	CITY	4% LOSS

AUGUST 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	797	241	6,093,000	30%	$15,368.50	418	$3,387.00
2	163	28	2,741,000	17%	$9,617.68	3	$300.00
3	166	0	0	0%	$23,465.92	0	$0.00
	1,126	269	8,834,000	24%	$48,452.10	421	$3,687.00

NH	121	60	1,161,000	50%	$3,010.10	98	$620.00
			7,673,000				

TCWA	CITY	7,864,000	-8,834,000	-970,000
	NO HEART	1,243,000	-1,161,000	82,000
		9,107,000	-9,995,000	-888,000

888,000 BY 9,107,000	TOTAL	10% GAIN
82,000 BY 1,243,000	NH	7% LOSS
970,000 BY 7,864,000	CITY	12% GAIN

SEPTEMBER 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	816	260	5,632,000	32%	$18,966.29	493	$4,552.00
2	171	35	2,387,000	20%	$7,009.63	31	$105.00
3	166	0	0	0%	$23,465.92	0	$0.00
	1,153	295	8,019,000	26%	$49,441.84	524	$4,657.00

NH	121	75	1,025,000	62%	$3,045.12	113	$1,295.00
			6,994,000				

TCWA	CITY	7,864,000	-6,994,000	870,000
	NO HEART	1,243,000	-1,025,000	218,000
		9,107,000	-8,019,000	1,088,000

1,088,000 BY 9,107,000	TOTAL	12% LOSS
218,000 BY 1,243,000	NH	18% LOSS
870,000 BY 7,864,000	CITY	11% LOSS

OCTOBER 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	804	217	5,403,000	27%	$16,886.85	367	$3,510.00
2	160	44	2,247,000	28%	$1,512.22	40	$175.00
3	173	0	0	0%	$23,610.69	0	$0.00
	1,137	261	7,650,000	26%	$42,009.76	407	$3,685.00

NH	120	10	1,271,000	62%	$2,921.85	46	$765.00
			6,379,000				

TCWA	CITY	6,411,000	-6,379,000	32,000
	NO HEART	973,000	-1,271,000	-298,000
		7,384,000	-7,650,000	-266,000

266,000 BY 7,384,000	TOTAL	4% GAIN
298,000 BY 973,000	NH	31% LOSS
32,000 BY 6,411,000	CITY	0% LOSS/GAIN

NOVEMBER 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	803	328	4,965,000	41%	$19,931.63	569	$3,561.82
2	160	38	1,767,000	24%	$7,274.57	54	$190.00
3	212	0	0	0%	$28,917.51	0	$0.00
	1,175	366	6,732,000	31%	$56,123.71	623	$3,751.82

NH	120	59	978,000	49%	$3,585.57	115	$860.00
			5,754,000				

TCWA	CITY	6,811,000	-5,754,000	1,057,000
	NO HEART	1,066,000	-978,000	88,000
		7,877,000	-6,732,000	1,145,000

1,145,000 BY 7,877,000	TOTAL	15% LOSS
88,000 BY 1,066,000	NH	8% LOSS
1,057,000 BY 6,811,000	CITY	16% LOSS

DECEMBER 2003 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	814	243	5,037,000	30%	$18,216.61	519	$4,741.00
2	161	35	1,953,000	22%	$7,846.93	25	$125.00
3	226	0	0	0%	$29,083.15	0	$0.00
	1,201	278	6,990,000	29%	$55,146.69	544	$4,866.00

NH	120	38	971,000	32%	$2,237.41	119	$1,095.00
			6,019,000				

TCWA	CITY	6,811,000	-6,019,000	792,000
	NO HEART	1,066,000	-971,000	95,000
		7,877,000	-6,990,000	887,000

887,000 BY 7,877,000	TOTAL	11% LOSS
95,000 BY 1,066,000	NH	9% LOSS
792,000 BY 6,811,000	CITY	12% LOSS

2003 CONSUMPTION ANALYSIS

	TCWA- PURCHASED			CITY- SOLD		
MONTH 2002	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS
JANUARY	7,811,000	1,157,000	8,968,000	6,564,000	874,000	7,438,000
FEBRUARY	6,121,000	860,000	6,981,000	7,280,000	858,000	8,138,000
MARCH	5,695,000	838,000	6,533,000	15,447,000	897,000	16,344,000
APRIL	7,085,000	1,020,000	8,105,000	6,234,000	883,000	7,117,000
MAY	7,041,000	1,080,000	8,121,000	6,046,000	884,000	6,930,000
JUNE	9,187,000	1,467,000	10,654,000	6,326,000	1,018,000	7,344,000
JULY	8,468,000	1,271,000	9,739,000	7,011,000	1,089,000	8,100,000
AUGUST	7,864,000	1,243,000	9,107,000	7,673,000	1,161,000	8,834,000
SEPTEMBER	7,864,000	1,243,000	9,107,000	6,994,000	1,025,000	8,019,000
OCTOBER	6,411,000	973,000	7,384,000	6,379,000	1,271,000	7,650,000
NOVEMBER	6,811,000	1,066,000	7,877,000	5,754,000	978,000	6,732,000
DECEMBER	6,811,000	1,066,000	7,877,000	6,019,000	971,000	6,990,000
TOTALS	87,169,000	13,284,000	100,453,000	87,727,000	11,909,000	99,636,000

CITY GALLONS SOLD	100,453,000
TCWA GALLONS PURCHASED	-99,636,000
	817,000
	1% LOSS

CITY	CYCLE 1	CYCLE 2	CYCLE 3
	5,074,000	2,364,000	0
	4,995,000	3,136,000	7,000
	4,679,000	11,665,000	0
	4,686,000	2,431,000	0
	4,727,000	2,203,000	0
	4,957,000	2,387,000	0
	5,663,000	2,437,000	0
	6,093,000	2,741,000	0
	5,632,000	2,387,000	0
	5,403,000	2,247,000	0
	4,965,000	1,767,000	0
	5,037,000	1,953,000	0
TOTAL	61,911,000	37,718,000	7,000

NH GALLONS SOLD		-11,909,000
TCWA GALLONS PURCHASED		
		13,284,000
		1,375,000
		10% LOSS
	99,636,000	

JANUARY 2004 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	818	203	5,078,000	25%	$23,437.22	354	$3,357.22
2	161	41	2,439,000	25%	$9,070.49	47	$223.00
3	226	0	0	0%	$29,083.15	0	$0.00
	1205	244	7,517,000	25%	$61,590.86	401	$3,580.22

NH	120	14	825,000	12%	$3,037.47	32	$565.00
			6,692,000				

TCWA	CITY	7,179,000	-6,692,000	487,000
	NO HEART	1,131,000	-825,000	306,000
		8,310,000	-7,517,000	793,000

793,000 BY 8,310,000	TOTAL	10%LOSS
306,000 BY 1,131,000	NH	27% LOSS
487,000 BY 7,179,000	CITY	7%LOSS

FEBRUARY 2004 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	819	298	5,026,000	36%	$21,854.17	546	$3,915.00
2	161	35	2,141,000	22%	$11,879.02	35	$813.40
3	206	0	0	0%	$24,770.44	0	$0.00
	1186	333	7,167,000	34%	$58,503.63	581	$4,728.40

NH	121	82	936,000	68%	$2,139.60	108	$1,435.00
			6,231,000				

TCWA	CITY	7,147,000	-6,231,000	916,000
	NO HEART	1,078,000	-936,000	142,000
		8,225,000	-7,167,000	1,058,000

1,058,000 BY 8,225,000	TOTAL	13%LOSS
142,000 BY 1,078,000	NH	13% LOSS
916,000 BY 7,147,000	CITY	13%LOSS

MARCH 2004 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	798	220	5,003,000	28%	$20,126.29	410	$3,735.00
2	161	30	1,849,000	19%	$14,533.21	34	$145.00
3	210	0	0	0%	$25,111.05	0	$0.00
	1169	250	6,852,000	26%	$59,770.55	444	$3,880.00

NH	121	50	910,000	41%	$3,073.40	87	$1,100.00
			5,942,000				

TCWA	CITY	6,616,000	-5,942,000	674,000
	NO HEART	1,046,000	-910,000	136,000
		7,662,000	-6,852,000	810,000

810,000 BY 7,662,000	TOTAL	11%LOSS
136,000 BY 1,046,000	NH	13% LOSS
674,000 BY 6,616,000	CITY	10%LOSS

APRIL 2004 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	800	221	4,781,000	28%	$20,929.55	395	$3,419.36
2	161	19	2,321,000	12%	$9,561.31	16	$70.00
3	212	0	0	0%	$25,031.19	0	$0.00
	1173	240	7,102,000	25%	$55,522.05	411	$3,489.36

NH	121	40	873,000	33%	$3,975.20	98	$700.00
			6,229,000				

TCWA	CITY	6,468,000	-6,229,000	239,000
	NO HEART	1,015,000	-873,000	142,000
		7,483,000	-7,102,000	381,000

381,000 BY 7,483,000	TOTAL	5%LOSS
142,000 BY 1,015,000	NH	14% LOSS
239,000 BY 6,468,000	CITY	4%LOSS

MAY 2004 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	797	218	4,633,000	27%	$22,513.81	377	$3,478.10
2	161	31	2,212,000	19%	$11,299.51	40	$220.00
3	225	0	0	0%	$25,106.91	0	$0.00
	1183	249	6,845,000	26%	$58,920.23	417	$3,698.10

NH	120	3	771,000	3%	$3,439.40	32	$625.00
			6,074,000				

TCWA	CITY	6,803,000	-6,074,000	729,000
	NO HEART	1,051,000	-771,000	280,000
		7,854,000	-6,845,000	1,009,000

1,009,000 BY 7,854,000	TOTAL	13%LOSS
280,000 BY 1,051,000	NH	27% LOSS
729,000 BY 6,803,000	CITY	11%LOSS

NO HEART AREA WAS READ ON 5/18/04 BY CITY EMPLOYEE
TCWA READ NO HEART MASTER METER ON 5/27/04. THIS LEAVES NINE DAYS DIFFERENTS FROM THE TIME CITY READ NO HEART AND THE TIME TCWA READ MASTER METER .

JUNE 2004 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	796	243	5,414,000	31%	$19,528.91	414	$3,925.00
2	161	31	1,785,000	19%	$8,548.22	45	$365.00
3	240	0	0	0%	$25,542.40	0	$0.00
	1197	274	7,199,000	29%	$53,619.53	459	$4,290.00

NH	120	57	1,072,000	48%	$2,952.90	105	$910.00
			6,127,000				

TCWA	CITY	6,681,000	-6,127,000	554,000
	NO HEART	1,074,000	-1,072,000	2,000
		7,755,000	-7,199,000	556,000

556,000 BY 7,755,000	TOTAL	7%LOSS
2,000 BY 1,074,000	NH	0% LOSS
554,000 BY 6,681,000	CITY	8%LOSS

JULY 2004 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	793	272	5,811,000	34%	$22,400.90	463	$3,228.00
2	161	32	2,681,000	20%	$4,793.04	44	$210.00
3	275	0	0	0%	$31,571.03	0	$0.00
	1229	304	8,492,000	32%	$58,764.97	507	$3,438.00

NH	120	51	1,064,000	43%	$3,016.50	93	$845.00
			7,428,000				

TCWA	CITY	8,047,000	-7,428,000	619,000
	NO HEART	1,314,000	-1,064,000	250,000
		9,361,000	-8,492,000	869,000

869,000 BY 9,361,000	TOTAL	9%LOSS
250,000 BY 1,314,000		19%LOSS
619,000 BY 8,047,000	CITY	8%LOSS

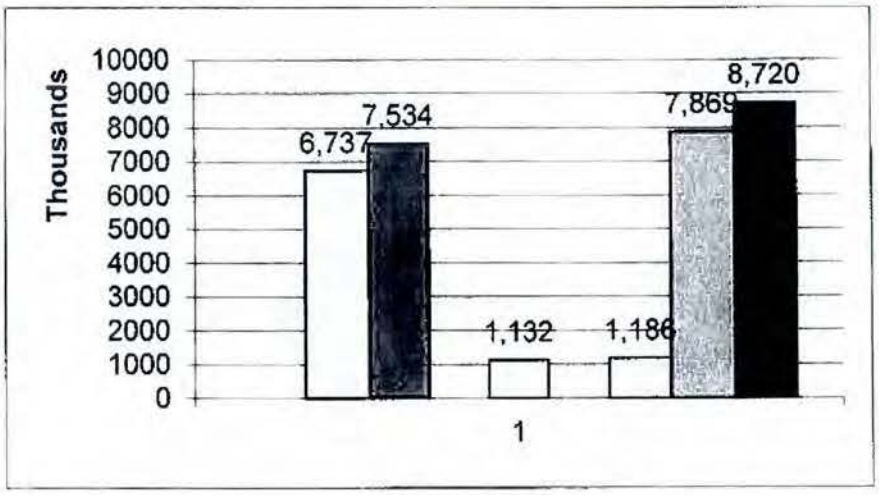
AUGUST 2004 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	793	223	5,804,000	28%	$23,131.07	377	$4,098.71
2	161	21	2,065,000	13%	$2,822.84	41	$495.00
3	282	0	0	0%	$31,903.67	0	$0.00
	1236	244	7,869,000	26%	$57,857.58	418	$4,593.71

NH	120	11	1,132,000	9%	$3,192.88	34	$435.00
			6,737,000				

TCWA	CITY	7,534,000	-6,737,000	797,000
	NO HEART	1,186,000	-1,132,000	54,000
		8,720,000	-7,869,000	851,000

851,000 BY 8,720,000 TOTAL	10%LOSS
54,000 BY 1,186,000 NH	5%LOSS
797,000 BY 7,534,000 CITY	11%LOSS



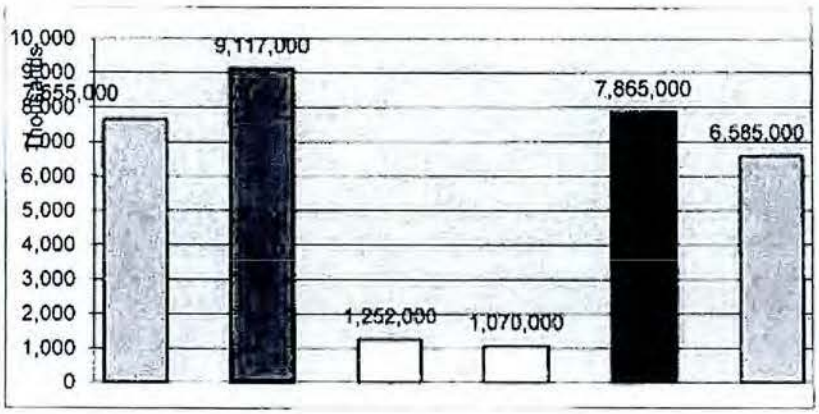
SEPTEMBER 2004 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	798	271	5,502,000	34%	$24,474.53	431	$3,747.24
2	160	25	2,153,000	16%	$5,625.25	25	$130.00
3	306	0	0	0%	$31,792.55	0	$0.00
	1264	296	7,655,000	31%	$61,892.33	456	$3,877.24

NH	121	65	1,070,000	54%	$3,264.55	103	$935.00
			6,585,000				

TCWA	CITY	7,865,000	-6,585,000	1,280,000
	NO HEART	1,252,000	-1,070,000	182,000
		9,117,000	-7,655,000	1,462,000

1,462,000 BY 9,117,000 TOTAL	16%LOSS
182,000 BY 1,252,000 NH	15%LOSS
1,280,000 BY 7,865,000 CITY	16%LOSS



JANUARY 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	826	340	5,195,000	41%	$23,338.11	507	$3,820.00
2	158	41	2,099,000	25%	$15,817.46	42	$335.00
3	307	0	0	0%	$28,613.14	0	$0.00
	1,291	381	7,294,000	29%	$67,768.71	549	$4,155.00

NH	121	80	986,000	66%	$2,723.41	105	$1,095.00
			6,308,000				

TCWA	CITY	6,790,000	-6,308,000	482,000
	NO HEART	996,000	-986,000	10,000
		7,786,000	-7,294,000	492,000

492,000 BY 7,786,000	TOTAL	6% LOSS
10,000 BY 996,000	NH	1% LOSS
482,000 BY 6,790,000	CITY	7% LOSS

FEBRUARY 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	826	236	4,587,000	28%	$21,302.10	426	$3,205.00
2	158	37	1,863,000	23%	$8,106.53	42	$270.00
3	317	0	0	0%	$29,115.29	0	$0.00
	1,301	273	6,450,000	27%	$58,523.92	468	$3,475.00

NH	121	10	874,000	8%	$2,689.81	41	$690.00
			5,576,000				

TCWA	CITY	6,410,000	-5,576,000	834,000
	NO HEART	1,065,000	-874,000	191,000
		7,475,000	-6,450,000	1,025,000

1,025,000 BY 7,475,000	TOTAL	13% LOSS
191,000 BY 1,065,000	NH	17% LOSS
834,000 BY 6,475,000	CITY	13% LOSS

MARCH 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	823	223	5,105,000	27%	$22,062.68	400	$3,420.00
2	158	32	2,025,000	20%	$5,110.02	35	$195.00
3	323	0	0	0%	$29,282.36	0	$0.00
	1,304	255	7,130,000	25%	$56,455.06	435	$3,615.00

NH	121	74	956,000	61%	$3,115.70	108	$1,140.00
			8,086,000				

TCWA	CITY	7,025,000	-7,130,000	-105,000
	NO HEART	974,000	-956,000	18,000
		7,999,000	-8,086,000	-87,000

87,000 BY 7,999,000	TOTAL	1% GAIN
18,000 BY 974,000	NH	18% LOSS
105,000 BY 7,025,000	CITY	1% GAIN

APRIL 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	823	292	5,058,000	35%	$26,177.75	417	$3,010.00
2	158	23	2,364,000	14%	$5,777.52	22	$110.00
3	312	0	0	0%	$27,533.53	0	$0.00
	1,293	315	7,422,000	32%	$59,488.80	439	$3,120.00

NH	121	62	877,000	51%	$3,607.00	94	$410.00
			6,545,000				

TCWA	CITY	7,058,000	-6,545,000	513,000
	NO HEART	1,040,000	-877,000	163,000
		8,098,000	-7,422,000	676,000

676,000 BY 8,098,000	TOTAL	8% LOSS
163,000 BY 1,040,000	NH	1% LOSS
513,000 BY 7,058,000	CITY	7% LOSS

MAY 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	820	284	4,929,000	34%	$27,795.61	480	$3,700.00
2	158	36	2,132,000	22%	$7,724.72	31	$150.00
3	312	0	0	0%	$26,947.05	0	$0.00
	1,290	320	7,061,000	32%	$62,467.38	511	$3,850.00

NH	120	56	965,000	46%	$3,752.00	105	$790.00
			6,096,000				

TCWA	CITY	5,924,000	-6,096,000	-172,000
	NO HEART	1,020,000	-965,000	55,000
		6,944,000	-7,061,000	-117,000

117,000 BY 6,944,000	TOTAL	1% GAIN
55,000 BY 1,020,000	NH	5% LOSS
172,000 BY 5,924,000	CITY	2% GAIN

JUNE 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	823	240	5,407,000	29%	$27,181.22	412	$3,752.00
2	158	37	2,095,000	23%	$5,207.17	38	$525.00
3	358	0	0	0%	$33,123.59	0	$0.00
	1,339	277	7,502,000	28%	$65,511.98	450	$4,277.00

NH	121	9	1,046,000	7%	$4,211.20	45	$695.00
			6,456,000				

TCWA	CITY	7,125,000	-6,456,000	669,000
	NO HEART	1,196,000	-1,046,000	150,000
		8,321,000	-7,502,000	819,000

819,000 BY 8,321,000	TOTAL	9% LOSS
150,000 BY 1,196,000	NH	12% LOSS
669,000 BY 7,125,000	CITY	9% LOSS

JULY 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	825	280	5,212,000	33%	$29,740.65	446	$3,875.00
2	159	34	2,109,000	21%	$6,200.22	30	$210.00
3	336	0	0	0%	$26,649.92	0	$0.00
	1,320	314	7,321,000	31%	$62,590.79	476	$4,085.00

NH	120	58	1,023,000	48%	$3,542.63	108	$950.00
			6,298,000				

TCWA	CITY	7,384,000	-6,298,000	1,086,000
	NO HEART	1,235,000	-1,023,000	212,000
		8,619,000	-7,321,000	1,298,000

1,298,000 BY 8,619,000	TOTAL	15% LOSS
212,000 BY 1,235,000	NH	17% LOSS
1,086,000 BY 7,384,000	CITY	14% LOSS

AUGUST 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	823	287	5,636,000	34%	$28,607.16	479	$4,911.06
2	160	42	2,304,000	26%	$6,496.22	34	$356.37
3	363	0	0	0%	$27,838.78	0	$0.00
	1,346	329	7,940,000	33%	$62,942.16	513	$5,267.43

NH	120	57	968,000	47%	$3,822.36	117	$1,240.00
			6,972,000				

TCWA	CITY	7,330,000	-6,972,000	358,000
	NO HEART	1,106,000	-968,000	138,000
		8,436,000	-7,940,000	496,000

496,000 BY 8,426,000	TOTAL	5% LOSS
138,000 BY 1,106,000	NH	12% LOSS
358,000 BY 7,330,000	CITY	4% LOSS

SEPTEMBER 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	832	216	5,426,000	25%	$23,246.65	420	$4,940.00
2	160	30	2,457,000	18%	$11,967.18	28	$155.00
3	368	0	0	0%	$27,676.20	0	$0.00
	1,360	246	7,883,000	24%	$62,890.03	448	$5,095.00

NH	121	7	1,130,000	5%	$3,646.25	48	$950.00
			6,753,000				

TCWA	CITY	7,330,000	-6,753,000	577,000
	NO HEART	1,106,000	-1,130,000	-24,000
		8,436,000	-7,883,000	553,000

553,000 BY 8,436,000	TOTAL	6% LOSS
24,000 BY 1,106,000	NH	2% GAIN
577,000 BY 7,330,000	CITY	7% LOSS

OCTOBER 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	832	216	5,426,000	25%	$23,246.65	420	$4,940.00
2	160	30	2,457,000	18%	$11,967.18	28	$155.00
3	368	0	0	0%	$27,676.20	0	$0.00
	1,360	246	7,883,000	24%	$62,890.03	448	$5,095.00

NH	121	7	1,130,000	5%	$3,646.25	48	$950.00
			6,753,000				

TCWA	CITY	7,330,000	-6,753,000	577,000
	NO HEART	1,106,000	-1,130,000	-24,000
		8,436,000	-7,883,000	553,000

553,000 BY 8,436,000	TOTAL	6% LOSS
24,000 BY 1,106,000	NH	2% GAIN
577,000 BY 7,330,000	CITY	7% LOSS

NOVEMBER 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	826	308	4,766,000	37%	$20,951.03	506	$4,395.00
2	163	44	1,977,000	26%	$16,443.82	42	$245.22
3	386	0	0	0%	$27,573.99	0	$0.00
	1,375	352	6,743,000	35%	$64,968.84	548	$4,640.22

NH	121	60	902,000	49%	$3,325.70	120	$1,150.00
			5,841,000				

TCWA	CITY	6,807,000	-5,841,000	966,000
	NO HEART	1,136,000	-902,000	234,000
		7,943,000	-6,743,000	1,200,000

1,200,000 BY 7,943,000	TOTAL	15% LOSS
234,000 BY 1,136,000	NH	20% LOSS
966,000 BY 6,807,000	CITY	14% LOSS

DECEMBER 2005 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	826	308	4,766,000	37%	$20,951.03	506	$4,395.00
2	163	44	1,977,000	26%	$16,443.82	42	$245.22
3	386	0	0	0%	$27,573.99	0	$0.00
	1,375	352	6,743,000	35%	$64,968.84	548	$4,640.22

NH	121	60	902,000	49%	$3,325.70	120	$1,150.00
			5,841,000				

TCWA	CITY	6,807,000	-5,841,000	966,000
	NO HEART	1,136,000	-902,000	234,000
		7,943,000	-6,743,000	1,200,000

1,200,000 BY 7,943,000	TOTAL	15% LOSS
234,000 BY 1,136,000	NH	20% LOSS
966,000 BY 6,807,000	CITY	14% LOSS

JANUARY 2006 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	821	434	5,005,000	52%	$16,180.18	498	$4,935.08
2	162	41	1,994,000	25%	$24,838.47	41	$205.00
3	378	0	0	0%	$26,274.98	0	$0.00
	1,361	475	6,999,000	48%	$67,293.63	539	$5,140.08

NH	121	77	942,000	63%	$2,323.80	113	$1,240.00
			6,057,000				

TCWA	CITY	6,200,000	-6,999,000	-799,000
	NO HEART	964,000	-942,000	22,000
		7,164,000	-7,941,000	-777,000

777,000 BY 7,164,000	TOTAL	10% GAIN
22,000 BY 964,000	NH	2% LOSS
799,000 BY 6,200,000	CITY	1% GAIN

FEBRUARY 2006 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	823	273	4,319,000	33%	$17,443.61	488	$3,116.10
2	162	61	2,007,000	37%	$18,945.66	41	$205.00
3	402	0	0	0%	$26,413.23	0	$0.00
	1,387	334	6,326,000	33%	$62,802.50	529	$3,321.10

NH	121	55	830,000	45%	$3,160.20	101	$630.00
			5,496,000				

TCWA	CITY	6,421,000	-5,496,000	925,000
	NO HEART	1,087,000	-830,000	257,000
		7,508,000	-6,326,000	1,182,000

1,182,000 BY 7,508,000	TOTAL	15% LOSS
257,000 BY 1,087,000	NH	23% LOSS
925,000 BY 6,421,000	CITY	14% LOSS

MARCH 2006 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	824	289	4,293,000	35%	$18,765.85	476	$3,778.34
2	166	42	1,919,000	25%	$14,489.83	38	$482.22
3	407	0	0	0%	$26,575.91	0	$0.00
	1,397	331	6,212,000	33%	$59,831.59	514	$4,260.56

NH	121	48	818,000	39%	$2,906.98	96	$950.00
			5,394,000				

TCWA	CITY	5,844,000	-5,394,000	450,000
	NO HEART	915,000	-818,000	97,000
		6,759,000	-6,212,000	547,000

547,000 BY 6,759,000	TOTAL	8% LOSS
97,000 BY 915,000	NH	10% LOSS
450,000 BY 5,844,000	CITY	7% LOSS

APRIL 2006 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	827	258	4,490,000	31%	$18,495.86	465	$3,693.90
2	164	37	1,967,000	22%	$13,503.03	36	$301.21
3	408	0	0	0%	$26,703.67	0	$0.00
	1,399	295	6,457,000	33%	$58,702.56	501	$3,995.11

NH	121	21	882,000	17%	$3,055.74	66	$950.00
			5,575,000				

TCWA	CITY	6,439,000	-5,575,000	864,000
	NO HEART	923,000	-882,000	41,000
		7,362,000	-6,457,000	905,000

905,000 BY 7,362,000	TOTAL	12% LOSS
41,000 BY 923,000	NH	4% LOSS
864,000 BY 6,439,000	CITY	13% LOSS

JUNE 2006 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	820	294	5,318,000	35%	$18,600.94	473	$4,352.22
2	168	60	2,513,000	35%	$10,306.99	41	$1,330.00
3	411	0	0	0%	$26,703.67	0	$0.00
	1,399	354	7,831,000	35%	$55,611.60	514	$5,682.22

NH	120	62	977,000	51%	$3,427.39	107	$1,060.00
			5,575,000				

TCWA	CITY	7,915,000	-7,831,000	84,000
	NO HEART	1,173,000	-977,000	196,000
		9,088,000	-8,808,000	280,000

280,000	BY 9,088,000	TOTAL	3% LOSS
196,000	BY 1,173,000	NH	16% LOSS
84,000	BY 7,915,000	CITY	1% LOSS

JULY 2006 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	COINS.	% EST.	ARREARS	# MC	MC
1	820	294	5,318,000	35%	$18,600.94	473	$4,352.22
2	168	60	2,513,000	35%	$10,306.99	41	$1,330.00
3	411	0	0	0%	$26,703.67	0	$0.00
	1,399	354	7,831,000	35%	$55,611.60	514	$5,682.22

NH	120	62	977,000	51%	$3,427.39	107	$1,060.00
			5,575,000				

TCWA	CITY	7,915,000	-7,831,000	84,000
	NO HEART	1,173,000	-977,000	196,000
		9,088,000	-8,808,000	280,000

280,000 BY 9,088,000	TOTAL	3% LOSS	
196,000 BY 1,173,000	NH	16% LOSS	
84,000 BY 7,915,000	CITY	1% LOSS	

AUGUST 2006 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	825	312	5,593,000	37%	$19,227.44	561	$5,060.00
2	166	47	2,107,000	28%	$17,752.16	48	$185.00
3	426	0	0	0%	$26,683.35	0	$0.00
	1,417	359	7,700,000	31%	$63,662.95	609	$5,245.00

NH	119	26	1,092,000	21%	$3,118.72	69	$1,180.00
			6,608,000				

TCWA	CITY	7,423,000	-6,608,000	815,000
	NO HEART	1,118,000	-1,092,000	26,000
		8,541,000	-7,700,000	841,000

841,000 BY 8,541,000	TOTAL	9% LOSS
26,000 BY 1,118,000	NH	2% LOSS
841,000 BY 8,541,000	CITY	9% LOSS

SEPTEMBER 2006 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	825	312	5,593,000	37%	$19,227.44	561	$5,060.00
2	166	47	2,107,000	28%	$17,752.16	48	$185.00
3	426	0	0	0%	$26,683.35	0	$0.00
	1,417	359	7,700,000	31%	$63,662.95	609	$5,245.00

NH	119	26	1,092,000	21%	$3,118.72	69	$1,180.00
			6,608,000				

TCWA	CITY	7,423,000	-6,608,000	815,000
	NO HEART	1,118,000	-1,092,000	26,000
		8,541,000	-7,700,000	841,000

841,000 BY 8,541,000	TOTAL	9% LOSS
26,000 BY 1,118,000	NH	2% LOSS
841,000 BY 8,541,000	CITY	9% LOSS

NOVEMBER 2006 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	820	368	4,669,000	44%	$25,508.41	553	$3,570.00
2	171	56	1,875,000	32%	$34,123.44	49	$199.93
3	446	0	0	0%	$26,617.17	0	$0.00
	1,437	424	6,544,000	42%	$86,249.02	602	$3,769.93

NH	119	62	871,000	52%	$4,482.00	114	$880.00
			5,673,000				

TCWA	CITY	6,401,000	-5,673,000	728,000
	NO HEART	1,022,000	-871,000	151,000
		7,423,000	-6,544,000	879,000

879,000 BY 7,423,000	TOTAL	11% LOSS
151,000 BY 1,022,000	NH	14% LOSS
728,000 BY 6,401,000	CITY	11% LOSS

2006 CONSUMPTION ANALYSIS

	TCWA- PURCHASED			CITY- SOLD		
MONTH	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS
JANUARY	6,200,000	964,000	7,164,000	6,057,000	942,000	6,999,000
FEBRUARY	6,421,000	1,087,000	7,508,000	5,496,000	830,000	6,326,000
MARCH	5,844,000	915,000	6,759,000	5,394,000	818,000	6,212,000
APRIL	6,439,000	923,000	7,362,000	5,575,000	882,000	6,457,000
MAY	6,580,000	992,000	7,572,000	5,894,000	912,000	6,806,000
JUNE	7,915,000	1,173,000	9,088,000	6,854,000	977,000	7,831,000
JULY	7,434,000	1,201,000	8,635,000	6,408,000	920,000	7,328,000
AUGUST	7,423,000	1,118,000	8,541,000	6,608,000	1,092,000	7,700,000
SEPTEMBER	6,170,000	927,000	7,097,000	6,718,000	1,092,000	7,810,000
OCTOBER	6,085,000	937,000	7,022,000	5,700,000	872,000	6,572,000
NOVEMBER	6,401,000	1,022,000	7,423,000	5,673,000	871,000	6,544,000
DECEMBER	5,527,000	847,000	6,374,000	5,426,000	726,000	6,152,000
TOTALS	78,439,000	12,106,000	90,545,000	71,803,000	10,934,000	82,737,000

CITY GALLONS SOLD	-71,803,000
TCWA GALLONS PURCHASED	78,439,000
	6,636,000
	9% LOSS

CITY	CYCLE 1	CYCLE 2	CYCLE 3
JANUARY	5,005,000	1,994,000	0
FEBRUARY	4,319,000	2,007,000	0
MARCH	4,293,000	1,919,000	0
APRIL	4,490,000	1,967,000	0
MAY	4,878,000	1,928,000	0
JUNE	5,318,000	2,513,000	0
JULY	5,302,000	2,026,000	0
AUGUST	5,593,000	2,107,000	0
SEPTEMBER	5,757,000	2,053,000	0
OCTOBER	4,668,000	1,904,000	0
NOVEMBER	4,669,000	1,875,000	0
DECEMBER	4,234,000	1,918,000	0
TOTAL	58,526,000	24,211,000	0

NH GALLONS SOLD	-10,934,000
TCWA GALLONS PURCHASED	
	12,106,000
	1,172,000
	10% LOSS

82,737,000

JANUARY 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	816	334	4,882,000	41%	$21,550.69	431	$2,990.00
2	166	73	1,806,000	44%	$36,345.49	12	$355.00
3	450	0	0	0%	$26,516.83	0	$0.00
	1,432	407	6,688,000	41%	$84,413.01	443	$3,345.00

NH	118	81	862,000	69%	$2,535.80	91	$800.00
			5,826,000				

TCWA	CITY	6,418,000	-5,826,000	592,000
	NO HEART	1,015,000	-862,000	153,000
		7,433,000	-6,688,000	745,000

745,000	BY	7,433,000	TOTAL	10.02% LOSS
153,000	BY	1,015,000	NH	15.07% LOSS
592,000	BY	6,418,000	CITY	9.22% LOSS

FEBRUARY 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	829	357	4,746,000	43%	$24,888.25	431	$2,610.00
2	165	69	2,244,000	42%	$23,425.22	0	$0.00
3	462	0	0	0%	$26,957.00	0	$0.00
	1,456	426	6,990,000	42%	$75,270.47	431	$2,610.00

NH	120	70	934,000	58%	$2,346.80	76	$615.00
			6,056,000				

TCWA	CITY	5,930,000	-6,056,000	-126,000
	NO HEART	835,000	-934,000	-99,000
		6,765,000	-6,990,000	-225,000

225,000	BY	6,765,000	TOTAL	3.33% GAIN
99,000	BY	835,000	NH	11.86% GAIN
126,000	BY	5,930,000	CITY	2.12% GAIN

MARCH 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	813	363	4,573,000	45%	$19,948.55	492	$3,300.00
2	163	66	1,779,000	40%	$27,124.81	19	$70.00
3	471	0	0	0%	$27,616.70	0	$0.00
	1,447	429	6,352,000	43%	$74,690.06	511	$3,370.00

NH	119	58	812,000	49%	$2,730.75	91	$700.00
			5,540,000				

TCWA	CITY	5,491,000	-5,540,000	-49,000
	NO HEART	850,000	-812,000	38,000
		6,341,000	-6,352,000	-11,000

11,000	BY	6,341,000	TOTAL	0.17% GAIN
38,000	BY	850,000	NH	4.47% LOSS
49,000	BY	5,491,000	CITY	0.89% GAIN

APRIL 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	811	328	4,637,000	40%	$14,873.11	502	$4,168.79
2	165	60	2,092,000	36%	$15,861.60	133	$2,875.00
3	470	0	0	0%	$26,918.91	0	$0.00
	1,446	388	6,729,000	39%	$57,653.62	635	$7,043.79

NH	120	54	779,000	45%	$2,336.22	101	$890.00
			5,950,000				

TCWA	CITY	5,855,000	-5,950,000	-95,000
	NO HEART	914,000	-779,000	135,000
		6,769,000	-6,729,000	40,000

40,000	BY	6,769,000	TOTAL	0.59% LOSS
135,000	BY	914,000	NH	14.77% LOSS
95,000	BY	5,855,000	CITY	1.62% GAIN

MAY 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	818	259	4,800,000	32%	$19,751.80	547	$5,697.67
2	165	53	2,224,000	32%	$24,205.23	34	$230.00
3	475	0	0	0%	$26,363.64	0	$0.00
	1,458	312	7,024,000	32%	$70,320.67	581	$5,927.67

NH	121	45	789,000	37%	$3,386.77	117	$1,065.00
			6,235,000				

TCWA	CITY	5,832,000	-6,235,000	-403,000
	NO HEART	905,000	-789,000	116,000
		6,737,000	-7,024,000	-287,000

287,000	BY	6,737,000	TOTAL	4.26% GAIN
116,000	BY	905,000	NH	12.82% LOSS
403,000	BY	5,832,000	CITY	6.91% GAIN

JUNE 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	818	217	4,922,000	27%	$17,152.35	478	$5,281.00
2	163	36	1,788,000	22%	$14,734.76	91	$1,620.00
3	478	0	0	0%	$26,636.17	0	$0.00
	1,459	253	6,710,000	25%	$58,523.28	569	$6,901.00

NH	120	15	1,058,000	13%	$2,322.90	78	$1,220.00
			5,652,000				

TCWA	CITY	6,651,000	-5,652,000	999,000
	NO HEART	1,133,000	-1,058,000	75,000
		7,784,000	-6,710,000	1,074,000

1,074,000 BY 7,784,000	TOTAL	13% LOSS
75,000 BY 1,133,000	NH	6% LOSS
999,000 BY 6,651,000	CITY	15% LOSS

JULY 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	819	293	5,309,000	36%	$21,575.31	506	$5,800.00
2	164	41	2,153,000	25%	$16,615.41	73	$885.00
3	488	0	0	0%	$35,721.02	0	$0.00
	1,471	334	7,462,000	33%	$73,911.74	579	$6,685.00

NH	121	43	1,040,000	36%	$3,631.94	95	$1,535.00
			6,422,000				

TCWA	CITY	7,523,000	-6,422,000	1,101,000
	NO HEART	1,225,000	-1,040,000	185,000
		8,748,000	-7,462,000	1,286,000

1,286,000 BY 8,748,000	TOTAL	14% LOSS
185,000 BY 1,225,000	NH	15% LOSS
1,101,000 BY 7,523,000	CITY	14% LOSS

AUGUST 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	821	307	5,065,000	37%	$19,617.60	470	$4,850.00
2	165	41	1,952,000	25%	$14,881.20	42	$310.00
3	469	0	0	0%	$33,343.01	0	$0.00
	1,455	348	7,017,000	35%	$67,841.81	512	$5,160.00

NH	120	52	872,000	43%	$3,169.82	77	$835.00
			6,145,000				

TCWA	CITY	6,631,000	-6,145,000	486,000
	NO HEART	1,091,000	-872,000	219,000
		7,722,000	-7,017,000	705,000

705,000	BY 7,722,000	TOTAL	9% LOSS
219,000	BY 1,091,000	NH	20% LOSS
486,000	BY 6,631,000	CITY	7% LOSS

SEPTEMBER 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	817	246	5,058,000	30%	$17,036.64	491	$5,445.17
2	164	38	1,803,000	23%	$14,284.85	45	$440.00
3	484	0	0	0%	$35,224.13	0	$0.00
	1,465	284	6,861,000	28%	$66,545.62	536	$5,885.17

NH	120	45	817,000	38%	$3,202.15	96	$1,030.00
			6,044,000				

TCWA	CITY	6,014,000	-6,044,000	-30,000
	NO HEART	979,000	-817,000	162,000
		6,993,000	-6,861,000	132,000

132,000 BY 6,993,000	TOTAL	1% LOSS
162,000 BY 979,000	NH	16% LOSS
30,000 BY 6,014,000	CITY	0% LOSS/GAIN

OCTOBER 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	825	118	5,909,000	14%	$20,086.98	521	$5,920.00
2	157	26	2,188,000	17%	$18,787.61	26	$325.25
3	474	0	0	0%	$25,693.11	0	$0.00
	1,456	144	8,097,000	14%	$64,567.70	547	$6,245.25

NH	120	10	1,164,000	8%	$3,579.33	97	$740.00
			6,933,000				

TCWA	CITY	6,526,000	-6,933,000	-407,000
	NO HEART	1,041,000	-1,164,000	-123,000
		7,567,000	-8,097,000	-530,000

530,000 BY 7,567,000	TOTAL	7% GAIN
123,000 BY 1,041,000	NH	11% GAIN
407,000 BY 6,526,000	CITY	6% GAIN

NOVEMBER 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	820	102	5,069,000	12%	$24,731.97	525	$5,515.00
2	158	41	2,406,000	25%	$24,919.56	68	$920.00
3	270	0	0	0%	$32,294.65	0	$0.00
	1,248	143	7,475,000	35%	$81,946.18	593	$6,435.00

NH	120	15	910,000	12%	$4,476.29	112	$1,315.00
			6,565,000				

TCWA	CITY	5,336,000	-6,565,000	-1,229,000
	NO HEART	852,000	-910,000	-58,000
		6,188,000	-7,475,000	-1,287,000

1,287,000 BY 6,188,000	TOTAL	20% GAIN
58,000 BY 852,000	NH	6% GAIN
1,229,000 BY 5,336,000	CITY	23% GAIN

DECEMBER 2007 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	823	68	5,190,000	37%	$23,513.27	522	$5,680.44
2	155	42	2,250,000	27%	$30,170.37	170	$1,865.21
3	273	0	0	0%	$31,748.45	0	$0.00
	1,251	110	7,440,000	35%	$85,432.09	692	$7,545.65

NH	121	60	902,000	49%	$3,325.70	120	$1,150.00
			5,841,000				

TCWA	CITY	5,761,000	-5,841,000	-80,000
	NO HEART	876,000	-902,000	-26,000
		6,637,000	-6,743,000	-106,000

106,000 BY 6,637,000	TOTAL	1% GAIN
26,000 BY 876,000	NH	2% GAIN
80,000 BY 5,761,000	CITY	1% GAIN

2007 CONSUMPTION ANALYSIS

	TCWA- PURCHASED			CITY- SOLD		
MONTH	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS
JANUARY	6,418,000	1,015,000	7,433,000	5,826,000	862,000	6,688,000
FEBRUARY	5,930,000	835,000	6,765,000	6,056,000	934,000	6,990,000
MARCH	5,491,000	850,000	6,341,000	5,540,000	812,000	6,352,000
APRIL	5,855,000	914,000	6,769,000	5,950,000	779,000	6,729,000
MAY	5,832,000	905,000	6,737,000	6,235,000	789,000	7,024,000
JUNE	6,651,000	1,133,000	7,784,000	5,652,000	1,058,000	6,710,000
JULY	7,523,000	1,225,000	8,748,000	6,422,000	1,040,000	7,462,000
AUGUST	6,631,000	1,091,000	7,722,000	6,145,000	872,000	7,017,000
SEPTEMBER	6,014,000	979,000	6,993,000	6,044,000	817,000	6,861,000
OCTOBER	6,526,000	1,041,000	7,567,000	6,933,000	1,164,000	8,097,000
NOVEMBER	5,336,000	852,000	6,188,000	6,565,000	910,000	7,475,000
DECEMBER	5,761,000	876,000	6,637,000	5,841,000	902,000	6,743,000
TOTALS	73,968,000	11,716,000	85,684,000	73,209,000	10,939,000	84,148,000

CITY GALLONS SOLD	-73,209,000
TCWA GALLONS PURCHASED	73,968,000
	759,000
	1% LOSS

CITY	CYCLE 1	CYCLE 2	CYCLE 3
JANUARY	4,882,000	1,806,000	0
FEBRUARY	4,746,000	2,244,000	0
MARCH	4,573,000	1,779,000	0
APRIL	4,637,000	2,092,000	0
MAY	4,800,000	2,224,000	0
JUNE	4,922,000	1,788,000	0
JULY	5,309,000	2,153,000	0
AUGUST	5,065,000	1,952,000	0
SEPTEMBER	5,058,000	1,803,000	0
OCTOBER	5,909,000	2,188,000	0
NOVEMBER	5,069,000	2,406,000	0
DECEMBER	5,190,000	2,250,000	0
TOTAL	60,160,000	24,685,000	0

NH GALLONS SOLD	-10,939,000
TCWA GALLONS PURCHASED	
	11,716,000
	777,000
	6% LOSS

84,845,000

JANUARY 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	804	55	4,805,000	6%	$13,154.58	459	$5,040.00
2	161	17	1,580,000	10%	$12,930.50	87	$1,555.00
3	262	0	0	0%	$31,074.64	0	$0.00
	1,227	72	6,385,000	7%	$57,159.72	546	$6,595.00

NH	104	4	661,000	3%	$1,843.05	82	$985.00
			5,724,000				

TCWA	CITY	6,005,000	-5,724,000	281,000
	NO HEART	1,006,000	-661,000	345,000
		7,011,000	-6,385,000	626,000

626,000	BY	7,011,000	TOTAL	8.93% LOSS
345,000	BY	1,006,000	NH	34.29% LOSS
281,000	BY	6,005,000	CITY	4.68% LOSS

FEBRUARY 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	801	69	4,679,000	8%	$22,918.07	374	$2,110.00
2	155	22	1,906,000	14%	$17,961.65	33	$185.00
3	247	0	0	0%	$31,333.40	0	$0.00
	1,203	91	6,585,000	9%	$72,213.12	407	$2,295.00

NH	119	37	1,211,000	31%	$3,490.37	51	$585.00
			5,374,000				

TCWA	CITY	5,168,000	-5,374,000	-206,000
	NO HEART	893,000	-1,211,000	-318,000
		6,061,000	-6,585,000	-524,000

524,000	BY	6,061,000	TOTAL	8.65% GAIN
318,000	BY	893,000	NH	35.61% GAIN
206,000	BY	5,168,000	CITY	3.99% GAIN

MARCH 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	788	82	4,716,000	10%	$14,948.11	377	$3,105.00
2	142	14	1,443,000	9%	$19,958.99	55	$575.00
3	251	0	0	0%	$31,133.69	0	$0.00
	1,181	96	6,159,000	10%	$66,040.79	432	$3,680.00

NH	117	9	811,000	7%	$1,950.35	59	$745.00
			5,348,000				

TCWA	CITY	5,274,000	-5,348,000	-74,000
	NO HEART	798,000	-811,000	-13,000
		6,072,000	-6,159,000	-87,000

87,000	BY	6,072,000	TOTAL	1.43% GAIN
13,000	BY	798,000	NH	1.63% GAIN
74,000	BY	5,274,000	CITY	1.40% GAIN

APRIL 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	794	86	4,728,000	10%	$16,651.82	413	$3,720.00
2	136	15	1,148,000	11%	$4,820.75	28	$290.00
3	231	0	0	0%	$27,622.63	0	$0.00
	1,161	101	5,876,000	10%	$49,095.20	441	$4,010.00

NH	118	17	882,000	14%	$2,760.31	96	$955.00
			4,994,000				

TCWA	CITY	5,824,000	-4,994,000	830,000
	NO HEART	917,000	-882,000	35,000
		6,741,000	-5,876,000	865,000

865,000	BY	6,741,000	TOTAL	12.83% LOSS
35,000	BY	917,000	NH	3.82% LOSS
83,000	BY	5,824,000	CITY	1.43% LOSS

MAY 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	798	309	7,438,000	38%	$13,922.10	407	$4,380.38
2	143	71	1,768,000	49%	$4,824.40	41	$865.00
3	225	0	0	0%	$26,751.39	0	$0.00
	1,166	380	9,206,000	40%	$45,497.89	448	$5,245.38

NH	117	33	1,024,000	28%	$2,600.07	77	$905.00
			8,182,000				

TCWA	CITY	6,022,000	-8,182,000	-2,160,000
	NO HEART	976,000	-1,024,000	-48,000
		6,998,000	-9,206,000	-2,208,000

2,208,000	BY	6,998,000	TOTAL	31.55% GAIN
48,000	BY	976,000	NH	4.92% GAIN
2,160,000	BY	6,022,000	CITY	35.87% GAIN

JUNE 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	796	72	4,987,000	9%	$15,741.99	376	$3,806.12
2	142	24	1,452,000	19%	$3,152.85	27	$277.95
3	27	2	255,000	7%	$11,485.59	0	$0.00
4	231	0	0	0%	$26,658.84	0	$0.00
	1,196	98	6,694,000	10%	$57,039.27	403	$4,084.07

NH	118	7	941,000	5%	$2,056.07	79	$930.00
			5,753,000				

TCWA	CITY	5,963,000	-5,753,000	210,000
	NO HEART	894,000	-941,000	-47,000
		6,857,000	-6,694,000	163,000

163,000	BY	6,857,000	TOTAL	2.38% LOSS
47,000	BY	894,000	NH	5.26% GAIN
210,000	BY	5,963,000	CITY	3.52% LOSS

JULY 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	795	81	5,418,000	10%	$14,974.12	406	$4,168.52
2	150	25	1,246,000	16%	$7,503.96	46	$300.00
3	28	0	383,000	0%	$16,663.67	13	$0.00
4	242	0	0	0%	$26,416.37	0	$0.00
	1,215	106	7,047,000	10%	$65,558.12	465	$4,468.52

NH	116	11	980,000	9%	$2,248.22	69	$780.00
			6,067,000				

TCWA	CITY	5,700,000	-6,067,000	-367,000
	NO HEART	928,000	-980,000	-52,000
		6,628,000	-7,047,000	-419,000

419,000	BY	6,628,000	TOTAL	6.32% GAIN
52,000	BY	928,000	NH	5.60% GAIN
367,000	BY	5,700,000	CITY	6.44% GAIN

AUGUST 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	798	48	5,016,000	6%	$20,203.46	403	$4,175.00
2	151	24	1,588,000	15%	$4,277.75	80	$1,390.00
3	30	0	356,000	0%	$18,555.95	0	$0.00
4	243	0	0	0%	$25,786.29	0	$0.00
	1,222	72	6,960,000	7%	$68,823.45	483	$5,565.00

NH	116	6	806,000	5%	$2,850.47	82	$915.00
			6,154,000				

TCWA	CITY	6,014,000	-6,154,000	-140,000
	NO HEART	983,000	-806,000	177,000
		6,997,000	-6,960,000	37,000

37,000	BY	6,997,000	TOTAL	0.53% LOSS
177,000	BY	983,000	NH	18.01% LOSS
140,000	BY	6,014,000	CITY	2.33% GAIN

SEPTEMBER 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	800	240	5,424,000	30%	$16,004.42	387	$5,364.70
2	151	52	1,644,000	34%	$7,008.05	27	$260.00
3	31	9	510,000	29%	$21,679.52	0	$0.00
4	252	0	0	0%	$26,319.49	0	$0.00
	1,234	301	7,578,000	30%	$71,011.48	414	$5,624.70

NH	117	16	1,096,000	13%	$1,891.83	56	$915.00
			6,482,000				

TCWA	CITY	6,521,000	-6,482,000	39,000
	NO HEART	1,020,000	-1,096,000	-76,000
		7,541,000	-7,578,000	-37,000

37,000	BY	7,541,000	TOTAL	0.49% GAIN
76,000	BY	1,020,000	NH	7.45% GAIN
39,000	BY	6,521,000	CITY	0.60% LOSS

OCTOBER 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	801	103	5,091,000	12%	$12,503.23	403	$4,929.06
2	153	59	1,700,000	38%	$10,782.71	44	$1,419.44
3	32	4	267,000	12%	$22,805.77	5	$5.00
4	269	0	0	0%	$26,060.42	0	$0.00
	1,255	166	7,058,000	16%	$72,152.13	452	$6,353.50

NH	117	21	903,000	17%	$1,892.58	82	$870.00
			6,155,000				

TCWA	CITY	5,676,000	-6,155,000	-479,000
	NO HEART	890,000	-903,000	-13,000
		6,566,000	-7,058,000	-492,000

492,000	BY	6,566,000	TOTAL	7.49% GAIN
13,000	BY	890,000	NH	1.46% GAIN
479,000	BY	5,676,000	CITY	8.44% GAIN

NOVEMBER 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	801	298	5,020,000	37%	$13,464.89	372	$3,272.67
2	153	34	1,790,000	22%	$9,853.89	51	$195.00
3	34	14	517,000	41%	$22,494.29	5	$45.00
4	275	0	0	0%	$25,650.34	0	$0.00
	1,263	346	7,327,000	10%	$71,463.41	428	$3,512.67

NH	117	42	1,501,000	35%	$2,163.58	60	$500.00
			5,826,000				

TCWA	CITY	6,658,000	-5,826,000	832,000
	NO HEART	1,014,000	-1,501,000	-487,000
		7,672,000	-7,327,000	345,000

345,000	BY	7,672,000	TOTAL	4.50% LOSS
487,000	BY	1,014,000	NH	48.03% GAIN
832,000	BY	6,658,000	CITY	12.50% LOSS

DECEMER 2008 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	798	53	4,591,000	6%	$11,987.34	403	$4,702.50
2	155	38	2,116,000	24%	$7,143.99	68	$910.00
3	35	0	199,000	0%	$25,814.14	0	$0.00
4	296	0	0	0%	$34,337.52	0	$0.00
	1,284	91	6,906,000	10%	$79,282.99	471	$5,612.50

NH	117	9	766,000	7%	$2,347.67	76	$1,035.00
			6,140,000				

TCWA	CITY	4,491,000	-6,140,000	-1,649,000
	NO HEART	649,000	-766,000	-117,000
		5,140,000	-6,906,000	-1,766,000

1,649,000	BY	5,140,000	TOTAL	32.08% GAIN
117,000	BY	649,000	NH	18.03% GAIN
1,766,000	BY	4,491,000	CITY	39.32% GAIN

2008 CONSUMPTION ANALYSIS

	TCWA- PURCHASED			CITY- SOLD		
MONTH	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS
JANUARY	6,005,000	1,006,000	7,011,000	5,724,000	661,000	6,385,000
FEBRUARY	5,168,000	893,000	6,061,000	5,374,000	1,211,000	6,585,000
MARCH	5,274,000	798,000	6,072,000	5,348,000	811,000	6,159,000
APRIL	5,824,000	917,000	6,741,000	4,994,000	882,000	5,876,000
MAY	6,022,000	976,000	6,998,000	8,182,000	1,024,000	9,206,000
JUNE	5,963,000	894,000	6,857,000	5,753,000	941,000	6,694,000
JULY	5,700,000	928,000	6,628,000	6,067,000	980,000	7,047,000
AUGUST	6,014,000	983,000	6,997,000	6,154,000	806,000	6,960,000
SEPTEMBER	6,521,000	1,020,000	7,541,000	6,482,000	1,096,000	7,578,000
OCTOBER	5,676,000	890,000	6,566,000	6,155,000	903,000	7,058,000
NOVEMBER	6,658,000	1,014,000	7,672,000	5,826,000	1,501,000	7,327,000
DECEMBER	4,491,000	649,000	5,140,000	6,140,000	766,000	6,906,000
TOTALS	69,316,000	10,968,000	80,284,000	72,199,000	11,582,000	83,781,000

CITY GALLONS SOLD	-72,199,000	2,883,000	
TCWA GALLONS PURCHASED	69,316,000	69,316,000	
	-2,883,000		4% GAIN
NH GALLONS SOLD	-11,582,000	614,000	
TCWA GALLONS PURCHASED	10,968,000	10,968,000	
	-614,000		5% GAIN
TOTAL CITY GALLONS SOLD	-83,781,000	3,497,000	
TOTAL TCWA GALLONS PURCHASED	80,284,000	80,284,000	
	-3,497,000		4% GAIN

CITY	CYCLE 1	CYCLE 2	CYCLE 3	CYCLE 4
JANUARY	4,805,000	1,580,000	0	0
FEBRUARY	4,679,000	1,906,000	0	0
MARCH	4,716,000	1,443,000	0	0
APRIL	4,728,000	1,148,000	0	0
MAY	7,438,000	1,768,000	0	0
JUNE	4,987,000	1,452,000	255,000	0
JULY	5,418,000	1,246,000	383,000	0
AUGUST	5,016,000	1,588,000	356,000	0
SEPTEMBER	5,424,000	1,644,000	510,000	0
OCTOBER	5,091,000	1,700,000	267,000	0
NOVEMBER	5,020,000	1,790,000	517000	0
DECEMBER	4,591,000	2,116,000	199000	0
TOTAL	61,913,000	19,381,000	2,487,000	0

83,781,000

2010 CONSUMPTION ANALYSIS

	TCWA- PURCHASED			CITY- SOLD		
MONTH	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS	CITY GALLONS	NO-HEART GALLONS	TOTAL GALLONS
JANUARY	5,222,000	830,000	6,052,000	6,346,000	875,000	7,221,000
FEBRUARY	5,950,000	857,000	6,807,000	5,586,000	703,000	6,289,000
MARCH	5,950,000	857,000	6,807,000	5,104,000	864,000	5,968,000
APRIL	5,752,000	1,018,000	6,770,000	5,529,000	744,000	6,273,000
MAY	6,332,000	930,000	7,262,000	5,967,000	923,000	6,890,000
JUNE	6,228,000	1,021,000	7,249,000	6,107,000	929,000	7,036,000
JULY	5,928,000	1,006,000	6,934,000	5,928,000	1,006,000	6,934,000
AUGUST	6,792,000	1,024,000	7,816,000	6,597,000	1,115,000	7,712,000
SEPTEMBER	7,074,000	1,054,000	8,128,000	6,868,000	787,000	7,655,000
OCTOBER	6,197,000	859,000	7,056,000	7,321,000	976,000	8,297,000
NOVEMBER	6,147,000	92,000	6,239,000	7,533,000	892,000	8,425,000
DECEMBER	5,318,000	763,000	6,081,000	8,310,000	1,068,000	9,378,000
TOTALS	72,890,000	10,311,000	83,201,000	77,196,000	10,882,000	88,078,000

CITY GALLONS SOLD	-77,196,000	4,306,000	
TCWA GALLONS PURCHASED	72,890,000	72,890,000	
	-4,306,000		6% GAIN
NH GALLONS SOLD	-10,882,000	571,000	
TCWA GALLONS PURCHASED	10,311,000	10,311,000	
	-571,000		6% GAIN
TOTAL CITY GALLONS SOLD	-88,078,000	4,877,000	
TOTAL TCWA GALLONS PURCHASED	83,201,000	83,201,000	
	-4,877,000		6% GAIN

CITY	CYCLE 1	CYCLE 2	CYCLE 3	TOTAL
JANUARY	5,601,000	1,292,000	328,000	6,052,000
FEBRUARY	4,263,000	1,398,000	628,000	6,289,000
MARCH	4,408,000	1,275,000	285,000	5,968,000
APRIL	4,701,000	1,268,000	304,000	6,273,000
MAY	4,832,000	1,356,000	702,000	6,890,000
JUNE	4,778,000	1,629,000	629,000	7,036,000
JULY	5,204,000	2,083,000	425,000	7,712,000
AUGUST	5,204,000	2,083,000	425,000	7,712,000
SEPTEMBER	5,434,000	1,956,000	265,000	7,655,000
OCTOBER	5,636,000	2,199,000	462,000	8,297,000
NOVEMBER	5,711,000	2,169,000	545,000	8,425,000
DECEMBER	6,622,000	2,256,000	500,000	9,378,000
TOTAL	62,394,000	20,964,000	5,498,000	87,687,000

JANUARY 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	816	87	5,601,000	11%	$11,483.00	569	$6,763.81
2	135	22	1,292,000	16%	-$2,708.61	39	$430.00
3	26	0	328,000	0%	$8,985.19	14	$285.00
	977	0	7,221,000	0%	$17,759.58	622	$7,478.81
NH	121	7	875,000	6%	$440.74	118	$1,795.79
			6,346,000				

TCWA	CITY	5,222,000	-6,346,000	-1,124,000
	NO HEART	830,000	-875,000	-45,000
		6,052,000	-7,221,000	-1,169,000

-1,124,000	BY	6,052,000	TOTAL	-18.57% GAIN
-45,000	BY	830,000	NH	-5.42% GAIN
-1,169,000	BY	5,222,000	CITY	-22.39% GAIN

No report found.
Rec. AFO completed
Chrome. Lw.

FEBRUARY 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	817	50	4,263,000	6%	$24,397.20	629	$5,470.00
2	138	15	1,398,000	11%	$4,593.69	93	$1,590.00
3	33	2	628,000	6%	$2,700.01	8	$162.85
	988	67	6,289,000	7%	$31,690.90	730	$7,222.85

NH	118	3	703,000	3%	$0.00	0	$0.00
			5,586,000				

TCWA	CITY	5,950,000	-5,586,000	364,000
	NO HEART	857,000	-703,000	154,000
		6,807,000	-6,289,000	518,000

518,000	BY	6,807,000	TOTAL	7.61% LOSS
154,000	BY	857,000	NH	17.97% LOSS
364,000	BY	5,950,000	CITY	6.12% LOSS

MARCH 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	816	44	4,408,000	5%	$13,889.44	450	$5,240.00
2	137	16	1,275,000	12%	$230.53	65	$1,295.00
3	29	1	285,000	3%	-$1,313.79	6	$150.00
	982	61	5,968,000	6%	$12,806.18	521	$6,685.00

NH	120	3	864,000	3%	$2,010.40	99	$1,275.00
			5,104,000				

TCWA	CITY	5,950,000	-5,104,000	846,000
	NO HEART	857,000	-864,000	-7,000
		6,807,000	-5,968,000	839,000

839,000	BY	6,807,000	TOTAL	12.33% LOSS
- 7,000	BY	857,000	NH	0.82% GAIN
846,000	BY	5,950,000	CITY	14.22% LOSS

APRIL 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	819	43	4,701,000	5%	$15,421.47	398	$4,581.19
2	134	19	1,268,000	14%	-$301.35	38	$605.00
3	26	6	304,000	23%	-$1,323.65	7	$350.00
	979	68	6,273,000	7%	$13,796.47	443	$5,536.19
NH	120	4	744,000	3%	$3,227.67	68	$810.00
			5,529,000				

TCWA	CITY	5,752,000	-5,529,000	223,000
	NO HEART	1,018,000	-744,000	274,000
		6,770,000	-6,273,000	497,000

497,000	BY	6,770,000	TOTAL	7.34% LOSS
274,000	BY	1,018,000	NH	26.92% LOSS
223,000	BY	5,752,000	CITY	3.88% LOSS

MAY 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	817	59	4,832,000	7%	$10,876.93	474	$4,795.00
2	138	25	1,356,000	18%	-$1,528.30	51	$805.00
3	24	4	702,000	17%	-$1,301.99	5	$125.00
	979	88	6,890,000	9%	$8,046.64	530	$5,725.00
NH	103	8	923,000	8%	$1,169.92	100	$1,240.00
			5,967,000				

TCWA	CITY	6,332,000	-5,967,000	365,000
	NO HEART	930,000	-923,000	7,000
		7,262,000	-6,890,000	372,000

372,000	BY	7,262,000	TOTAL	5.12% LOSS
7,000	BY	930,000	NH	0.75% LOSS
365,000	BY	6,332,000	CITY	5.76% LOSS

JUNE 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	822	48	4,778,000	6%	$15,026.21	475	$5,900.00
2	139	23	1,629,000	17%	-$890.74	35	$430.00
3	24	6	629,000	25%	$592.70	5	$125.00
	985	77	7,036,000	8%	$14,728.17	515	$6,455.00
NH	119	3	929,000	3%	$3,202.72	104	$1,420.00
			6,107,000				

TCWA	CITY	6,228,000	-6,107,000	121,000
	NO HEART	1,021,000	-929,000	92,000
		7,249,000	-7,036,000	213,000

213,000	BY	7,249,000	TOTAL	2.94% LOSS
92,000	BY	1,021,000	NH	9.01% LOSS
121,000	BY	6,228,000	CITY	1.94% LOSS

JULY 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	826	349	10,298,000	42%	$19,170.25	554	$6,785.00
2	139	43	2,558,000	31%	$2,653.93	48	$715.00
3	26	7	550,000	27%	$2,810.79	7	$135.00
	991	399	13,406,000	40%	$24,634.97	609	$7,635.00
NH	121	51	1,635,000	42%	$4,630.52	106	$1,375.00
			11,771,000				

TCWA	CITY	5,928,000	-11,771,000	-5,843,000
	NO HEART	1,006,000	-1,635,000	-629,000
		6,934,000	-13,406,000	-6,472,000

-	6,472,000	BY	6,934,000	TOTAL	93.34% GAIN
-	629,000	BY	1,006,000	NH	62.52% GAIN
-	5,843,000	BY	5,928,000	CITY	98.57% GAIN

Estimated.
No rept found
after Corrective Bills
completed.
Lw

not accurate

AUGUST 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	827	65	5,204,000	8%	$19,716.08	555	$6,545.00
2	139	24	2,083,000	17%	$2,653.93	48	$700.00
3	25	3	425,000	12%	$2,804.96	6	$125.00
	991	92	7,712,000	9%	$25,174.97	609	$7,370.00
NH	121	6	1,115,000	5%	$4,630.52	106	$1,355.00
			6,597,000				

TCWA	CITY	6,792,000	-6,597,000	195,000
	NO HEART	1,024,000	-1,115,000	-91,000
		7,816,000	-7,712,000	104,000

104,000	BY	7,816,000	TOTAL	1.33% LOSS
- 91,000	BY	1,024,000	NH	8.89% GAIN
195,000	BY	6,792,000	CITY	2.87% LOSS

SEPTEMBER 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	828	81	5,434,000	10%	$15,397.71	220	$5,235.00
2	138	37	1,956,000	27%	$1,229.73	21	$335.00
3	25	2	265,000	8%	$7,452.79	0	$0.00
	991	120	7,655,000	12%	$24,080.23	241	$5,570.00
NH	120	2	787,000	2%	$3,403.00	46	$1,090.00
			6,868,000				

TCWA	CITY	7,074,000	-6,868,000	206,000
	NO HEART	1,054,000	-787,000	267,000
		8,128,000	-7,655,000	473,000

473,000	BY	8,128,000	TOTAL	5.82% LOSS
267,000	BY	1,054,000	NH	25.33% LOSS
206,000	BY	7,074,000	CITY	2.91% LOSS

OCTOBER 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	828	205	5,636,000	25%	$19,653.09	100	$1,120.00
2	138	58	2,199,000	42%	$6,276.73	0	$0.00
3	25	22	462,000	88%	$11,277.79	0	$0.00
	991	285	8,297,000	29%	$37,207.61	100	$1,120.00
NH	120	38	976,000	32%	$2,913.00	15	$225.00
			7,321,000				

TCWA	CITY	6,197,000	-7,321,000	-1,124,000
	NO HEART	859,000	-976,000	-117,000
		7,056,000	-8,297,000	-1,241,000

-1,241,000	BY	7,056,000	TOTAL	17.59% GAIN
- 117,000	BY	859,000	NH	13.62% GAIN
-1,124,000	BY	6,197,000	CITY	18.14% GAIN

NOVEMBER 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	828	170	5,711,000	21%	$31,980.64	517	$5,665.00
2	136	61	2,169,000	45%	$8,801.05	20	$400.00
3	25	16	545,000	64%	$15,537.79	21	$525.00
	989	247	8,425,000	25%	$56,319.48	558	$6,590.00
NH	120	23	892,000	19%	$5,566.00	129	$1,440.00
			7,533,000				

TCWA	CITY	6,147,000	-7,533,000	-1,386,000
	NO HEART	920,000	-892,000	28,000
		7,067,000	-8,425,000	-1,358,000

-1,358,000	BY	7,067,000	TOTAL	19.22% GAIN
28,000	BY	920,000	NH	3.04% LOSS
-1,386,000	BY	6,147,000	CITY	22.55% GAIN

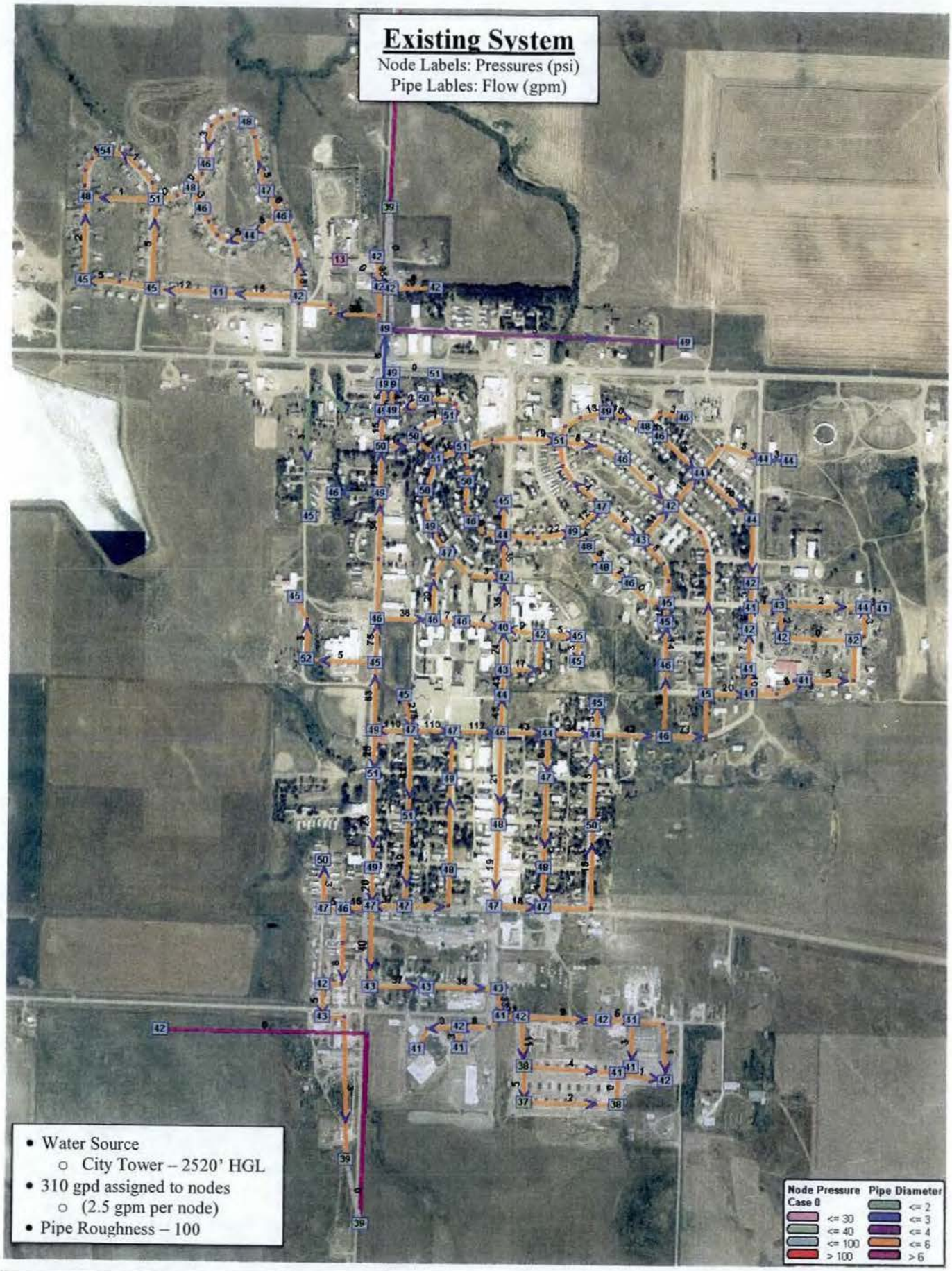
DECEMER 2010 CONSUMPTION ANALYSIS

CYCLE	# BILLED	# EST.	CONS.	% EST.	ARREARS	# MC	MC
1	826	168	6,622,000	20%	$34,272.60	359	$4,145.00
2	138	67	2,256,000	49%	$8,262.34	104	$1,515.00
3	25	20	500,000	80%	$20,452.79	20	$450.00
	989	255	9,378,000	26%	$62,987.73	483	$6,110.00
NH	120	20	1,068,000	17%	$5,359.00	74	$955.00
			8,310,000				

TCWA	CITY	5,318,000	-8,310,000	-2,992,000
	NO HEART	763,000	-1,068,000	-305,000
		6,081,000	-9,378,000	-3,297,000

-2,992,000	BY	6,081,000	TOTAL	49.20% GAIN
- 305,000	BY	763,000	NH	39.97% GAIN
-3,297,000	BY	5,318,000	CITY	62.00% GAIN

APPENDIX D
HYDRAULIC MODEL RESULTS



DeWild Grant Reckert and Associates Company
Consulting Engineers and Land Surveyors

Rock Rapids, IA - Sioux City, IA - Sioux Falls, SD
P:\06\62\090\KYPIPE\ReportHydraulics.docx

Modeler: PHM
Plot Date: 3/29/12

Hydraulic Model
City of Eagle Butte, SD

Figure C-1

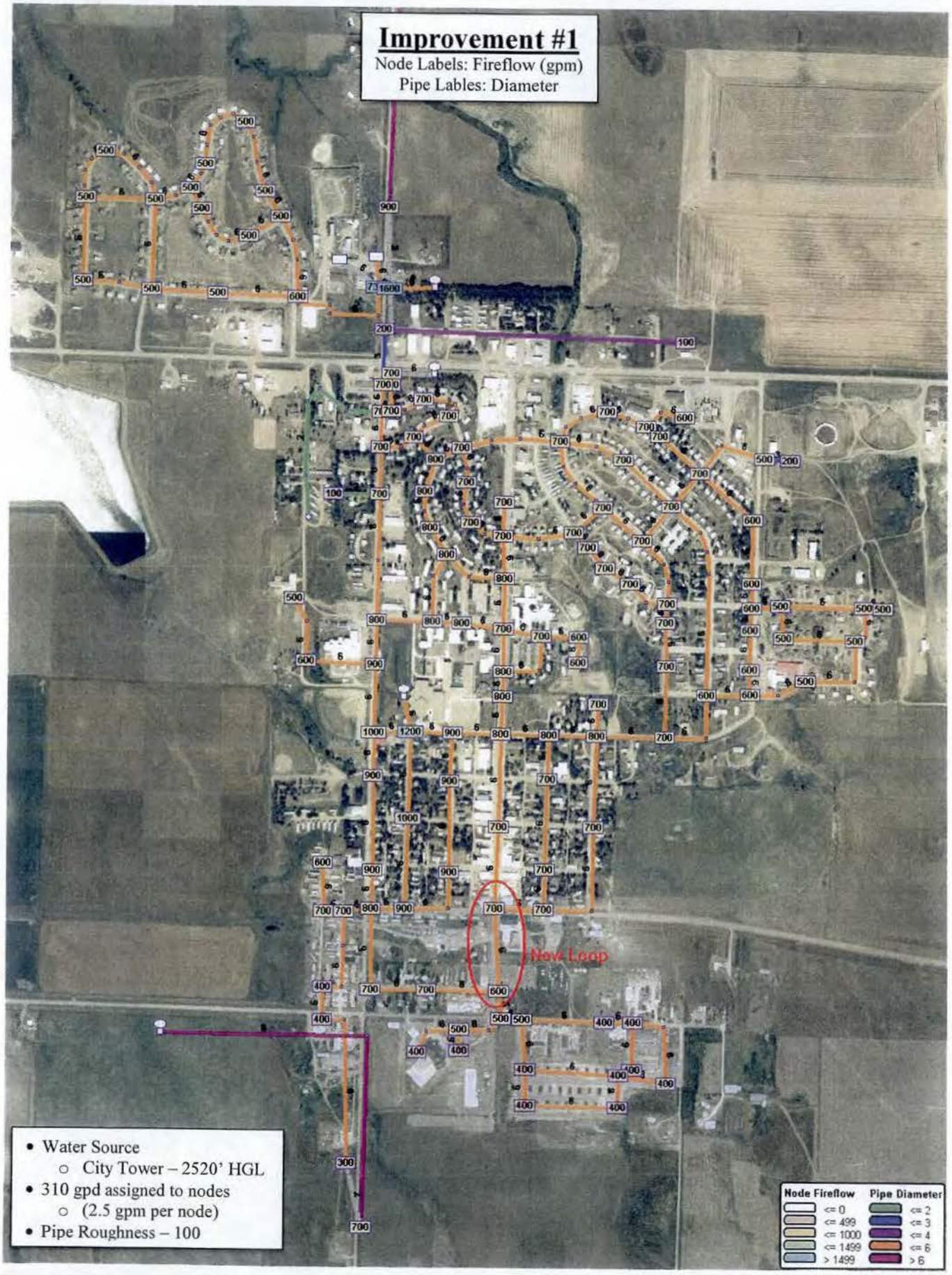
DeWild Grant Reckert and Associates Company
Consulting Engineers and Land Surveyors

Rock Rapids, IA - Sioux City, IA - Sioux Falls, SD
P:\06\62\090\KYPIPE\ReportHydraulics.docx

Modeler: PHM
Plot Date: 3/29/12

Hydraulic Model
City of Eagle Butte, SD

Figure C-2



DeWild Grant Reckert and Associates Company
Consulting Engineers and Land Surveyors

Rock Rapids, IA - Sioux City, IA - Sioux Falls, SD
P:\06\62\090\KYPIPE\ReportHydraulics.docx

Modeler: PHM
Plot Date: 3/29/12

Hydraulic Model
City of Eagle Butte, SD

Figure C-3

DeWild Grant Reckert and Associates Company
Consulting Engineers and Land Surveyors

Rock Rapids, IA - Sioux City, IA - Sioux Falls, SD
P:\06\62\090\KYPIPE\ReportHydraulics.docx

Modeler: PHM
Plot Date: 3/29/12

Hydraulic Model
City of Eagle Butte, SD

Figure C-4

APPENDIX E
PROJECT CLEARANCE LETTERS

DeWild Grant Reckert and Associates Company

CONSULTING ENGINEERS AND LAND SURVEYORS

2909 E. 57TH STREET
SUITE 101
SIOUX FALLS, SD 57108
(605) 339-4157
FAX: (605) 339-4175

May 11, 2012

South Dakota Dept. of Game, Fish and Parks
Division of Wildlife
523 East Capitol Avenue
Pierre, SD 57501-3181
Attn: Leslie Petersen, Interagency Coordinator

RE: Water System and Wastewater Facilities Improvements
Eagle Butte, South Dakota
DGR Project 662140

Dear Ms. Petersen:

The purpose of this letter is to provide you with a brief description and a location map for the above referenced project. The City of Eagle Butte is applying for project funding through South Dakota's Clean and Drinking Water State Revolving Fund Program. Please review the enclosed information and provide us with your comments or concerns regarding this project.

The City of Eagle Butte is preparing for a utility improvement project during the 2012 calendar year. The City is planning on the following improvements (see attached display map):

1. The City of Eagle Butte is planning to construct water distribution system improvements to extend service to an un-served portion of their community and to improve reliability and operational efficiency to the existing water system. The project includes construction of approximately 7,050 feet of new 6-inch PVC main to improve water service on the west and north side of town , approximately 2,080 feet of 8-inch PVC to replace aged asbestos-cement water main within the downtown area of Eagle Butte and the replacement of approximately 1,200 water service meters with automatic read equipment.

2. The City also plans to replace and relocate an aging lift station to eliminate maintenance issues with the existing lift station and gravity sewer located under Highway 212. Install aeration and construct piping modifications at the wastewater lagoons to reduce odor problems and facilitate transfer of water.

The existing ground adjacent to the project north of Highway 212 is presently commercial property and bordered by Cheyenne River Sioux Tribe trust land on the south. The existing ground adjacent to the project on Sycamore Street is bordered by residential properties of the City of Eagle Butte. The wastewater lagoon site is situated on the west side of town and bordered by pasture land to the east, south, west and Highway 212 to the north. The water meter replacement project will encompass the corporate limits of the City of Eagle Butte.

There is one known wetland adjacent to the project area. All construction activities during this project will take place outside of the identified wetland area. Construction activities will also be minimized in this area and erosion control measures will be installed to minimize the impact to the wetland. There will be no fill placed in the natural wetland during construction.

There are no game preserves, national forests, or any known endangered or rare species present within the project areas. If any rare or endangered species are encountered, construction activities will be halted and the appropriate agencies will be contacted. If possible, construction will be relocated to avoid such species. Any construction on habitat areas will be carefully managed to minimize any potential effects to biological resources.

Thank you for providing us with your review and comments regarding this project. If you have any questions, please contact us.

Sincerely,

DEWILD GRANT RECKERT
& ASSOCIATES COMPANY

Trent Bruce, PE
Project Manager

Enclosures

DEPARTMENT OF GAME, FISH, AND PARKS
Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

May 22, 2012

Mr. Trent Bruce
DGR, Inc.
2909 E. 57th Street
Suite 101
Sioux Falls, SD 57108

RE: Water System and Wastewater Facilities Improvements
Eagle Butte, South Dakota
DGR Project No. 662140

Dear Mr. Bruce:

The South Dakota Department of Game, Fish and Parks, Division of Wildlife, has reviewed the above referenced project involving water distribution system improvements in the City of Eagle Butte, South Dakota.

At this time, the project described will have no impacts on fish and wildlife resources. However, if the project design changes or if new information becomes available, please submit the changes for review.

If you have any questions, please contact me at (605) 773-6208.

Sincerely,

Leslie Murphy

Leslie Murphy
Senior Biologist

DeWild Grant Reckert and Associates Company

CONSULTING ENGINEERS AND LAND SURVEYORS

2909 E. 57TH STREET
SUITE 101
SIOUX FALLS, SD 57108
(605) 339-4157
FAX: (605) 339-4175

May 11, 2012

Steven Vance, Acting THPO
CRST Preservation Office
P.O. Box 590
Eagle Butte, SD 57625

RE: Water System and Wastewater Facilities Improvements
Eagle Butte, South Dakota
DGR Project 662140

Dear Mr. Vance:

The purpose of this letter is to provide you with a brief description and a location map for the above referenced project. The City of Eagle Butte is applying for project funding through South Dakota's Clean and Drinking Water State Revolving Fund Program. Please review the enclosed information and provide us with your comments or concerns regarding this project.

The City of Eagle Butte is preparing for a utility improvement project during the 2012 calendar year. The City is planning on the following improvements (see attached display map):

1. The City of Eagle Butte is planning to construct water distribution system improvements to extend service to an un-served portion of their community and to improve reliability and operational efficiency to the existing water system. The project includes construction of approximately 7,050 feet of new 6-inch PVC main to improve water service on the west and north side of town , approximately 2,080 feet of 8-inch PVC to replace aged asbestos-cement water main within the downtown area of Eagle Butte and the replacement of approximately 1,200 water service meters with automatic read equipment.

2. The City also plans to replace and relocate an aging lift station to eliminate maintenance issues with the existing lift station and gravity sewer located under Highway 212. Install aeration and construct piping modifications at the wastewater lagoons to reduce odor problems and facilitate transfer of water.

The existing ground adjacent to the project north of Highway 212 is presently commercial property and bordered by Cheyenne River Sioux Tribe trust land on the south. The existing ground adjacent to the project on Sycamore Street is bordered by residential properties of the City of Eagle Butte. The wastewater lagoon site is situated on the west side of town and bordered by pasture land to the east, south, west and Highway 212 to the north. The water meter replacement project will encompass the corporate limits of the City of Eagle Butte.

There is one known wetland adjacent to the project area. All construction activities during this project will take place outside of the identified wetland area. Construction activities will also be minimized in this area and erosion control measures will be installed to minimize the impact to the wetland. There will be no fill placed in the natural wetland during construction.

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Thank you for providing us with your review and comments regarding this project. If you have any questions, please contact us.

Sincerely,

DEWILD GRANT RECKERT
& ASSOCIATES COMPANY

Trent Bruce, PE
Project Manager

Enclosures

DeWild Grant Reckert and Associates Company
CONSULTING ENGINEERS AND LAND SURVEYORS
2909 E. 57TH STREET
SUITE 101
SIOUX FALLS, SD 57108
(605) 339-4157
FAX: (605) 339-4175

May 11, 2012

Scott Larson
United States Department Of Interior
Fish And Wildlife Service
420 S. Garfield Avenue
Pierre, SD 57501-5408

RE: Water System and Wastewater Facilities Improvements
Eagle Butte, South Dakota
DGR Project 662140

Dear Mr. Larson:

The purpose of this letter is to provide you with a brief description and a location map for the above referenced project. The City of Eagle Butte is applying for project funding through South Dakota's Clean and Drinking Water State Revolving Fund Program. Please review the enclosed information and provide us with your comments or concerns regarding this project.

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Sincerely,

DEWILD GRANT RECKERT
& ASSOCIATES COMPANY

Trent Bruce, PE
Project Manager

Enclosures

DeWild Grant Reckert and Associates Company

CONSULTING ENGINEERS AND LAND SURVEYORS

2909 E. 57TH STREET
SUITE 101
SIOUX FALLS, SD 57108
(605) 339-4157
FAX: (605) 339-4175

May 11, 2012

United States Department of Agriculture
Natural Resources Conservation Services
200 Fourth Street SW
Huron, SD 57350-2475
Attn: Deanna Peterson, State Soil Scientist

RE: Water System and Wastewater Facilities Improvements
Eagle Butte, South Dakota
DGR Project 662140

Dear Ms. Peterson:

The purpose of this letter is to provide you with a brief description and a location map for the above referenced project. The City of Eagle Butte is applying for project funding through South Dakota's Clean and Drinking Water State Revolving Fund Program. Please review the enclosed information and provide us with your comments or concerns regarding this project.

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Sincerely,

DEWILD GRANT RECKERT
& ASSOCIATES COMPANY

Trent Bruce, PE
Project Manager

Enclosures

DeWild Grant Reckert and Associates Company

CONSULTING ENGINEERS AND LAND SURVEYORS

2909 E. 57TH STREET
SUITE 101
SIOUX FALLS, SD 57108
(605) 339-4157
FAX: (605) 339-4175

May 11, 2012

U.S. Army Corps of Engineers, Omaha District
Planning Division
Attn: CENWO-PM-AE
1616 Capital Avenue
Omaha, NE 68102-4901

RE: Water System and Wastewater Facilities Improvements
Eagle Butte, South Dakota
DGR Project 662140

Dear Planning Division:

The purpose of this letter is to provide you with a brief description and a location map for the above referenced project. The City of Eagle Butte is applying for project funding through South Dakota's Clean and Drinking Water State Revolving Fund Program. Please review the enclosed information and provide us with your comments or concerns regarding this project.

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Sincerely,

DEWILD GRANT RECKERT
& ASSOCIATES COMPANY

Trent Bruce, PE
Project Manager

Enclosures

APPENDIX F
MINUTES FROM PUBLIC HEARING

Published notice and minutes from public hearing will be included in this section of the appendix after the public hearing date.