

Texas Water Development Board



City of Moran

DWSRF GREEN PROJECT RESERVE BUSINESS CASE EVALUATION

STATE FISCAL YEAR 2012 INTENDED USE PLAN

PROJECT NUMBER 62528

COMMITMENT DATE: October 17, 2012

DATE OF LOAN CLOSING: February 25, 2013

GREEN ESTIMATE AT CLOSING: \$ 560,000.00

Subsidy awarded for Green components, \$ 78,000.00

July 17, 2012

Ms. Shirley Scruggs
City of Moran
P.O. Box 97
Moran, TX 76464-0097

Re: **SFY 2012 Drinking Water State Revolving Fund
Green Project Eligibility**

Dear Ms. Scruggs:

The Texas Water Development Board (TWDB) received Green Project Information Worksheets from the City of Moran (City) for project #9412 in response to a Disadvantaged invitation letter dated March 26, 2012. The letter states that should funds be available, the City is eligible for loan forgiveness in an amount up to 15% of the green component cost (also referred to as the Green Project Reserve) if it can demonstrate that the project has green costs greater than or equal to 30% of the total project cost. After reviewing the worksheets, TWDB staff determined the City meets the 30% green cost threshold based on the following:

- The City's Green Project Information Worksheets dated May 16, 2012 requests that \$560,000 or 100% of the Corporation's total project cost be considered categorically eligible for the DWSRF Green Project Reserve (GPR). The green element described includes improvement in water efficiency within a portion of the City's water distribution system by replacement of approximately 10,000 feet of 2-inch galvanized and 6 and 8-inch cast iron pipe entirely with PVC pipe. The amount of pipe being replaced represents approximately 75% of the City's total distribution system. The proposed project includes associated valves and other appurtenances.
- The Environmental Protection Agency's (EPA) Green Project Reserve Guidance for Determining Project Eligibility (TWDB-0161) lists distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks as business case eligible for the GPR (Part B, Section 2.5-2).
- Therefore at this time, the TWDB considers project costs in the amount of \$560,000 (100%) to be eligible for the DWSRF GPR.
- Please note that the Corporation's application for financial assistance must be consistent with the project scope presented in the Green Project Information Worksheets. Inclusion of the green elements within the project scope will be verified prior to TWDB commitment.

Our Mission

To provide leadership, planning, financial assistance, information, and education for the conservation and responsible development of water for Texas

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Ms. Shirley Scruggs
July 17, 2012
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For SFY 2012, the TWDB is required by federal law to allocate no less than 20% of the capitalization grant toward green component costs. Therefore, the TWDB gives first preference for invitations to entities that have a documented percentage of green component cost of at least 30% of the total project cost. The City has demonstrated that it meets/exceeds the 30% green cost threshold. A letter dated March 26, 2012 was sent inviting the City to apply for Disadvantaged Community funding.

If you have any questions regarding green project eligibility, please feel free to contact James Bronikowski, Project Engineer, by phone at 512-475-0145 or by email at james.bronikowski@twdb.texas.gov.

The TWDB appreciates the City of Moran's interest in the DWSRF.

Sincerely,

A handwritten signature in blue ink that reads "Stacy L. Barna" followed by a small flourish.

Stacy L. Barna
Director of Program Development
Program and Policy Development

SB:rf

- Attachments:
1. Green Project Information Worksheets, Approved
 2. Green Project Cost Summary

TEXAS WATER DEVELOPMENT BOARD
DRINKING WATER STATE REVOLVING FUND (DWSRF)
GREEN PROJECT INFORMATION WORKSHEETS

PART I – GREEN PROJECT INFORMATION SUMMARY

Check all that apply and complete applicable worksheets:

Categorically Eligible

- Green Infrastructure \$ _____
- Water Efficiency \$ _____
- Energy Efficiency \$ _____
- Environmentally Innovative \$ _____

Business Case Eligible

- Green Infrastructure \$ _____
- Water Efficiency \$ 560,000.00
- Energy Efficiency \$ _____
- Environmentally Innovative \$ _____

Total Requested Green Amount \$ 560,000.00

Total Requested Funding Amount \$ 560,000.00

Type of Funding Requested:

- PAD (Planning, Acquisition, Design)
- C (Construction)

Completed by:

Name: Derek Turner, P.E.

Title: Project Engineer

Signature: 

Date: 05/16/2012

**TEXAS WATER DEVELOPMENT BOARD
DRINKING WATER STATE REVOLVING FUND (DWSRF)
GREEN PROJECT INFORMATION WORKSHEETS**

PART III - BUSINESS CASE ELIGIBLE

Complete this worksheet for projects being considered for the Green Project Reserve (GPR) as business case eligible. Business case eligible projects or project components are described in the following sections of the EPA GPR guidance (TWDB-0161):

Green Infrastructure	Part B, Section 1.4
Water Efficiency	Part B, Section 2.4 and 2.5
Energy Efficiency	Part B, Section 3.4 and 3.5
Environmentally Innovative	Part B, Section 4.4 and 4.5

Information provided on this worksheet should be of sufficient detail and should clearly demonstrate that the proposed improvements are consistent with EPA and TWDB GPR guidance for business case eligible projects. Refer to **Information on Completing Worksheets** for additional information.

Section 1 - General Project Information

Applicant: City of Moran PIF #: _____

Project Name: Water System Improvements

Contact Name: Derek Turner, P.E.

Contact Phone and e-mail: (817) 594-9880 adt@jacobmartin.com

Total Project Cost: \$560,000.00 Green Amount: \$560,000.00
(Business Case Eligible)

Brief Overall Project Description:

This Project consists of the replacement of approximately 10,000 linear feet of 2-inch galvanized and 6-inch and 8-inch cast iron water lines with PVC. The project also includes associated valves and other appurtenances.

Section 2 – Green Infrastructure

Certain green infrastructure improvements may be considered business case eligible for the GPR. Refer to EPA and TWDB GPR guidance for a complete list and description of business case eligible GPR Projects. Provide reference to the applicable sections of the EPA GPR guidance (TWDB-0161) that demonstrate GPR eligibility. Provide a detailed description of the proposed green infrastructure improvements of sufficient detail that clearly demonstrates that the proposed improvements are consistent with EPA GPR guidance (TWDB-0161).

Guidance Reference:

TWDB-0161, Part B, Section 2.5-2

Detailed Description (attach additional pages if necessary):

The Project consists entirely of replacing existing distribution water lines to reduce water loss and prevent water main breaks as described in TWDB-0161, Part B, Section 2.5-2.

Green amount associated with green infrastructure (business case eligible): \$ 560,000.00
(Attach a detailed cost estimate if necessary)

Section 3 – Water Efficiency

Certain water efficiency improvements may be considered business case eligible for the GPR. Refer to EPA and TWDB GPR guidance for a complete list and description of business case eligible GPR Projects. For all water efficiency business case eligible projects Section 3.1 must be completed. A common water efficiency project that may be considered business case eligible is water line replacements to address water loss. For this type of project complete Section 3.2 of the worksheet. For any other water efficiency improvement being considered for business case eligibility, complete Section 3.3.

Section 3.1 - System and Water Loss Information

Section 3.1 is required for all water efficiency business case eligible projects. Attach a copy of most recent Water Audit, if available. Otherwise, complete and attach Water Audit Worksheet or provide water audit data in a similar format. Additional information on water loss and water audits as well as a copy of the Water Audit Worksheet is available at:

http://www.twdb.state.tx.us/assistance/conservation/Municipal/Water_Audit/wald.asp

Reference and attach water loss audit and/or any other completed planning or engineering studies:

- 2011 Water Use Data Sheets _____
- _____
- _____

Section 3.2 - Water Line Replacement

Proposed pipe to be replaced:

Length (LF)	Existing Pipe			Proposed Pipe	
	Material	Age (yr)	Dia. (in)	Dia. (in)	Material
1,000	Cast Iron	50+	8	6	PVC - C-900
6,400	Cast Iron	50+	6	6	PVC - C-900
2,600	Galvanized	50+	2	6	PVC - C-900

Percent of distribution lines being replaced: 75%

Number of breaks/leaks/repairs recorded in past 24 months for areas being replaced: 100

Estimated water loss from pipe being replaced (provide calculations on following page): 1,190,252

Estimated annual water savings (provide calculations on following page): 829,320

Estimated annual cost savings (provide calculations on following page): \$8,883.36

Provide detailed description of the propose improvements and provide supporting calculations. Description should include a description of the methodology used to select pipes for replacement (attach additional pages if necessary):

- * Pipe replacements based on locations of reported leaks and repairs made by city personnel.
- * Total Water Loss in 2011 = 1,190,252 gallons.
- * Water Loss Attributable to Sections to be Replaced - Estimated to be 1,190,252 gallons.

The pipes to be replaced were identified by City Personnel. This along with the City's knowledge of previous line replacements identified the locations of deteriorated lines.

Estimated:

Water Loss Reduction = 662,320 gallons (Based on Reducing Water Loss to 5%)
Water Flush Reduction = 167,000 gallons
829,320 gallons

Wholesale Water Cost = 829.32 X \$8.30 = \$ 6,883.36
Chemical and Testing Cost = (Estimated) = \$ 1,000.00
City Personnel Labor & Equip.= (Estimated) = \$ 1,000.00
Total= \$ 8,883.36

Green amount associated with water line replacement: \$ 560,000.00
(Attach detailed cost estimate if necessary)

**CITY OF MORAN
2011 WATER USE DATA**

Month	Total Purchased	Total Sold or Flushed	Total Loss	% Water Loss
January	565,000	458,870	106,130	19%
February	707,000	569,400	137,600	19%
March	561,000	415,690	145,310	26%
April	585,000	513,680	71,320	12%
May	548,000	514,870	33,130	6%
June	740,000	740,840	-840	0%
July	923,000	762,690	160,310	17%
August	1,103,000	774,560	328,440	30%
September	865,000	718,820	146,180	17%
October	564,000	604,060	-40,060	-7%
November	673,000	586,990	86,010	13%
December	445,000	428,278	16,722	4%
Total	8,279,000	7,088,748	1,190,252	13%

Wholesale Water Purchase Cost = \$8.30 per 1,000 gallons

Annual Direct Cost of Water Loss = \$9,879.09

Estimated O&M Cost Due to Water Loss = \$5,000.00

Cost of Flushing Attributable to Leaks (Est. 50%) = \$2,254.70 271.6506024

Total Estimated Annual Cost Due to Water Loss = \$17,133.79 271650.6024

1/31/2011

10:32:56AM

Directors Report

Moran Water Works

Water Pumped This Month	565,000 Gallons
Water Sold This Month	457,270 Gallons
Water Used for Fire and Flushing Line	1,600 Gallons
Water Loss	106,130 Gallons
Water Loss (%)	18.78 %

	Amount (\$)	# Of Accounts
Total Water	6,088.23	136
Total Sewer	1,224.00	119
Total Garbage	2,733.53	113
Total Late Fee	235.00	47
Total Adjustments	149.96	15
Total Tax	179.72	111
Total Current Charges	10,610.44	145

Amount Past Due 1-30 Days	380.97	3
Amount Past Due 31-60 Days	0.00	
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-499.01	42
Total Receivables	10,492.40	145

Total Receipts On Account	11,159.33	142
Net Change in Memberships	0.00	0
Amount of All Memberships	420.00	4
Amount of All Deposit 2	2,886.58	39
Turned Off Accounts (Amount Owed)	24.62	21
Collection Accounts (Amount Owed)	24.62	21
Number Of Unread (Turned On) Meters		9
Average Usage For Active Meters	3,198	143
Average Water Charge For Active Meters	42.58	136

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		0	0	0.00	0.00
30,001-40,000		0	0	0.00	0.00
20,001-30,000		1	20,100	4.40	3.09
10,001-20,000		1	10,160	2.22	1.69
8,001-10,000		2	17,790	3.89	3.02
6,001-8,000		11	77,170	16.88	13.67
4,001-6,000		40	198,790	43.47	36.53
2,001-4,000		29	87,040	19.03	17.98
1-2,000		41	46,220	10.11	20.63
Zero Usage		18	0	0.00	3.40
Total Meters		143	457,270	100.00	100.00

2/28/2011

10:22:24AM

Directors Report

Moran Water Works

Water Pumped This Month	707,000 Gallons
Water Sold This Month	543,400 Gallons
Water Used for Fire and Flushing Line	26,000 Gallons
Water Loss	137,600 Gallons
Water Loss (%)	19.46 %

	Amount (\$)	# Of Accounts
Total Water	6,832.16	134
Total Sewer	1,249.50	121
Total Garbage	2,718.29	112
Total Late Fee	380.00	76
Total Adjustments	-190.00	24
Total Tax	179.72	111
Total Current Charges	11,169.67	144
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Amount Past Due 1-30 Days	330.18	4
Amount Past Due 31-60 Days	56.97	1
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-421.45	51
Total Receivables	11,135.37	145

Total Receipts On Account	10,526.70	140
Net Change in Memberships	0.00	0
Amount of All Memberships	420.00	4
Amount of All Deposit 2	2,886.58	39
Turned Off Accounts (Amount Owed)	56.20	22
Collection Accounts (Amount Owed)	56.20	22
Number Of Unread (Turned On) Meters		10
Average Usage For Active Meters	3,854	141
Average Water Charge For Active Meters	48.46	134

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		0	0	0.00	0.00
30,001-40,000		0	0	0.00	0.00
20,001-30,000		2	43,650	8.03	5.94
10,001-20,000		6	74,780	13.76	10.76
8,001-10,000		9	78,340	14.42	11.88
6,001-8,000		10	68,650	12.63	10.88
4,001-6,000		32	155,210	28.56	25.28
2,001-4,000		30	91,700	16.88	16.83
1-2,000		39	31,070	5.72	15.90
Zero Usage		13	0	0.00	2.54
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Total Meters		141	543,400	100.00	100.00

3/31/2011

10:38:45AM

Directors Report

Moran Water Works

Water Pumped This Month	561,000 Gallons
Water Sold This Month	413,190 Gallons
Water Used for Fire and Flushing Line	2,500 Gallons
Water Loss	145,310 Gallons
Water Loss (%)	25.90 %

	Amount (\$)	# Of Accounts
Total Water	5,755.70	132
Total Sewer	1,232.50	119
Total Garbage	2,575.26	110
Total Late Fee	255.00	51
Total Adjustments	-199.70	18
Total Tax	168.24	108
Total Current Charges	9,787.00	143
Amount Past Due 1-30 Days	503.96	4
Amount Past Due 31-60 Days	31.97	1
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-411.41	38
Total Receivables	9,911.52	144

Total Receipts On Account	11,010.85	138
Net Change in Memberships	60.00	1
Amount of All Memberships	480.00	5
Amount of All Deposit 2	2,886.58	39
Turned Off Accounts (Amount Owed)	61.20	21
Collection Accounts (Amount Owed)	61.20	21
Number Of Unread (Turned On) Meters		11
Average Usage For Active Meters	2,951	140
Average Water Charge For Active Meters	41.11	132

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		0	0	0.00	0.00
30,001-40,000		1	33,500	8.11	5.27
20,001-30,000		0	0	0.00	0.00
10,001-20,000		2	24,450	5.92	4.18
8,001-10,000		1	8,410	2.04	1.52
6,001-8,000		4	27,780	6.72	5.21
4,001-6,000		34	167,790	40.61	33.54
2,001-4,000		38	111,010	26.87	24.43
1-2,000		45	40,250	9.74	22.80
Zero Usage		15	0	0.00	3.03
Total Meters		140	413,190	100.00	100.00

4/29/2011

10:36:50AM

Directors Report

Moran Water Works

Water Pumped This Month

585,000 Gallons

Water Sold This Month

498,680 Gallons

Water Used for Fire and Flushing Line

~~15,000 Gallons~~

Water Loss

71,320 Gallons

Water Loss (%)

12.19 %

	Amount (\$)	# Of Accounts
Total Water	6,469.79	133
Total Sewer	1,249.50	121
Total Garbage	2,636.23	111
Total Late Fee	320.00	64
Total Adjustments	1.77	27
Total Tax	172.66	109
Total Current Charges	10,849.95	144
Amount Past Due 1-30 Days	329.80	3
Amount Past Due 31-60 Days	6.97	1
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-574.39	41
Total Receivables	10,612.33	144

Total Receipts On Account	10,149.14	137
Net Change in Memberships	120.00	2
Amount of All Memberships	600.00	7
Amount of All Deposit 2	2,886.58	39
Turned Off Accounts (Amount Owed)	0.00	21
Collection Accounts (Amount Owed)	0.00	21
Number Of Unread (Turned On) Meters		12
Average Usage For Active Meters	3,537	141
Average Water Charge For Active Meters	45.89	133

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		0	0	0.00	0.00
30,001-40,000		0	0	0.00	0.00
20,001-30,000		2	57,110	11.45	8.06
10,001-20,000		4	46,070	9.24	7.07
8,001-10,000		7	60,910	12.21	9.75
6,001-8,000		9	60,160	12.06	10.13
4,001-6,000		30	144,990	29.07	25.36
2,001-4,000		31	91,280	18.30	17.96
1-2,000		42	38,160	7.65	18.59
Zero Usage		16	0	0.00	3.08
Total Meters		141	498,680	100.00	100.00

5/31/2011

11:13:59AM

Directors Report

Moran Water Works

Water Pumped This Month

548,000 Gallons

Water Sold This Month

508,170 Gallons

Water Used for Fire and Flushing Line

~~6,700 Gallons~~

Water Loss

33,130 Gallons

Water Loss (%)

6.05 %

	Amount (\$)	# Of Accounts
Total Water	6,643.32	136
Total Sewer	1,258.00	122
Total Garbage	2,523.68	111
Total Late Fee	260.00	52
Total Adjustments	-85.68	10
Total Tax	164.51	109
Total Current Charges	10,763.83	145
Amount Past Due 1-30 Days	257.58	3
Amount Past Due 31-60 Days	88.01	1
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-373.54	46
Total Receivables	10,735.88	145

Total Receipts On Account	10,640.28	138
Net Change in Memberships	0.00	0
Amount of All Memberships	600.00	7
Amount of All Deposit 2	2,886.58	39
Turned Off Accounts (Amount Owed)	141.98	23
Collection Accounts (Amount Owed)	141.98	23
Number Of Unread (Turned On) Meters		10
Average Usage For Active Meters	3,554	143
Average Water Charge For Active Meters	46.46	136

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		1	41,100	8.09	5.55
30,001-40,000		1	33,280	6.55	4.54
20,001-30,000		1	21,560	4.24	3.02
10,001-20,000		3	34,610	6.81	5.17
8,001-10,000		5	46,080	9.07	7.12
6,001-8,000		7	47,180	9.28	7.72
4,001-6,000		29	147,200	28.97	25.25
2,001-4,000		32	90,350	17.78	17.11
1-2,000		50	46,810	9.21	21.90
Zero Usage		14	0	0.00	2.63
Total Meters		143	508,170	100.00	100.00

6/30/2011

10:17:33AM

Directors Report

Moran Water Works

Water Pumped This Month
 Water Sold This Month
 Water Used for Fire and Flushing Line
 Water Loss
 Water Loss (%)

740,000 Gallons
 733,140 Gallons
~~7,700 Gallons~~
 -840 Gallons
 -0.11 %

	Amount (\$)	# Of Accounts
Total Water	8,553.41	138
Total Sewer	1,266.50	123
Total Garbage	2,702.74	112
Total Late Fee	300.00	60
Total Adjustments	-347.44	28
Total Tax	175.46	110
Total Current Charges	12,650.67	147
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Amount Past Due 1-30 Days	576.58	6
Amount Past Due 31-60 Days	0.00	
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-360.87	36
Total Receivables	12,866.38	148

Total Receipts On Account	10,520.17	136
Net Change in Memberships	120.00	2
Amount of All Memberships	600.00	7
Amount of All Deposit 2	3,006.58	41
Turned Off Accounts (Amount Owed)	281.61	24
Collection Accounts (Amount Owed)	281.61	24
Number Of Unread (Turned On) Meters		9
Average Usage For Active Meters	5,091	144
Average Water Charge For Active Meters	59.40	138

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		1	52,080	7.10	5.42
40,001-50,000		0	0	0.00	0.00
30,001-40,000		0	0	0.00	0.00
20,001-30,000		2	51,760	7.06	5.56
10,001-20,000		20	259,250	35.36	28.88
8,001-10,000		6	54,100	7.38	6.51
6,001-8,000		14	100,050	13.65	12.56
4,001-6,000		21	105,460	14.38	13.98
2,001-4,000		25	75,530	10.30	11.31
1-2,000		39	34,910	4.76	12.60
Zero Usage		16	0	0.00	2.80
Total Meters		144	733,140	100.00	99.62

7/29/2011

10:14:54AM

Directors Report

Moran Water Works

Water Pumped This Month	923,000 Gallons
Water Sold This Month	734,940 Gallons
Water Used for Fire and Flushing Line	27,750 Gallons
Water Loss	160,310 Gallons
Water Loss (%)	17.37 %

	Amount (\$)	# Of Accounts
Total Water	8,367.70	131
Total Sewer	1,241.00	120
Total Garbage	2,590.20	109
Total Late Fee	325.00	65
Total Adjustments	-493.47	27
Total Tax	167.29	107
Total Current Charges	12,197.72	146
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Amount Past Due 1-30 Days	1,204.61	8
Amount Past Due 31-60 Days	109.73	2
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-454.14	43
Total Receivables	13,057.92	144

Total Receipts On Account	12,006.18	132
Net Change in Memberships	0.00	0
Amount of All Memberships	600.00	7
Amount of All Deposit 2	3,006.58	41
Turned Off Accounts (Amount Owed)	129.01	23
Collection Accounts (Amount Owed)	129.01	23
Number Of Unread (Turned On) Meters		13
Average Usage For Active Meters	5,287	139
Average Water Charge For Active Meters	60.20	131

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		1	50,700	6.90	5.39
40,001-50,000		0	0	0.00	0.00
30,001-40,000		0	0	0.00	0.00
20,001-30,000		2	55,390	7.54	6.06
10,001-20,000		18	240,790	32.76	27.26
8,001-10,000		9	80,860	11.00	9.96
6,001-8,000		13	89,020	12.11	11.14
4,001-6,000		22	107,810	14.67	15.10
2,001-4,000		30	88,200	12.00	13.77
1-2,000		31	22,170	3.02	9.62
Zero Usage		13	0	0.00	1.70
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Total Meters		139	734,940	100.00	100.00

8/31/2011

10:00:39AM

Directors Report

Moran Water Works

Water Pumped This Month	1,103,000 Gallons
Water Sold This Month	720,560 Gallons
Water Used for Fire and Flushing Line	54,000 Gallons
Water Loss	328,440 Gallons
Water Loss (%)	29.78 %

	Amount (\$)	# Of Accounts
Total Water	8,347.81	132
Total Sewer	1,241.00	120
Total Garbage	2,628.88	110
Total Late Fee	320.00	64
Total Adjustments	-329.56	28
Total Tax	170.09	108
Total Current Charges	12,378.22	143
Amount Past Due 1-30 Days	798.58	7
Amount Past Due 31-60 Days	131.47	2
Amount Past Due Over 60 Days	41.39	1
Amount Of Overpayments/Prepayments	-436.87	34
Total Receivables	12,912.79	143

Total Receipts On Account	12,523.35	132
Net Change in Memberships	60.00	1
Amount of All Memberships	600.00	7
Amount of All Deposit 2	3,066.58	42
Turned Off Accounts (Amount Owed)	326.14	24
Collection Accounts (Amount Owed)	326.14	24
Number Of Unread (Turned On) Meters		13
Average Usage For Active Meters	5,147	140
Average Water Charge For Active Meters	59.63	132

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		2	117,900	16.36	12.51
40,001-50,000		0	0	0.00	0.00
30,001-40,000		0	0	0.00	0.00
20,001-30,000		1	20,800	2.89	2.33
10,001-20,000		17	216,320	30.02	25.01
8,001-10,000		9	77,920	10.81	9.29
6,001-8,000		14	96,370	13.37	12.10
4,001-6,000		17	81,440	11.30	11.51
2,001-4,000		27	82,250	11.41	12.64
1-2,000		36	27,560	3.82	12.52
Zero Usage		17	0	0.00	2.09
Total Meters		140	720,560	100.00	100.00

9/30/2011

11:02:35AM

Directors Report

Moran Water Works

Water Pumped This Month

865,000 Gallons

Water Sold This Month

711,820 Gallons

Water Used for Fire and Flushing Line

7,000 Gallons

Water Loss

146,180 Gallons

Water Loss (%)

16.00 %

	Amount (\$)	# Of Accounts
Total Water	8,081.92	130
Total Sewer	1,215.50	117
Total Garbage	2,630.01	107
Total Late Fee	285.00	57
Total Adjustments	-655.23	25
Total Tax	170.19	105
Total Current Charges	11,727.39	143
Amount Past Due 1-30 Days	725.80	5
Amount Past Due 31-60 Days	103.97	2
Amount Past Due Over 60 Days	172.86	2
Amount Of Overpayments/Prepayments	-450.80	36
Total Receivables	12,279.22	139

Total Receipts On Account	12,360.96	135
Net Change in Memberships	180.00	2
Amount of All Memberships	600.00	7
Amount of All Deposit 2	3,246.58	44
Turned Off Accounts (Amount Owed)	0.00	24
Collection Accounts (Amount Owed)	0.00	24
Number Of Unread (Turned On) Meters		16
Average Usage For Active Meters	5,234	136
Average Water Charge For Active Meters	59.43	130

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		1	75,800	10.65	8.26
40,001-50,000		2	80,510	11.31	8.95
30,001-40,000		0	0	0.00	0.00
20,001-30,000		0	0	0.00	0.00
10,001-20,000		11	132,090	18.56	14.60
8,001-10,000		10	86,800	12.19	11.13
6,001-8,000		13	88,780	12.47	11.51
4,001-6,000		29	149,700	21.03	21.02
2,001-4,000		24	68,870	9.68	11.47
1-2,000		35	29,270	4.11	11.63
Zero Usage		11	0	0.00	1.45
Total Meters		136	711,820	100.00	100.00

10/31/2011

10:52:30AM

Directors Report

Moran Water Works

Water Pumped This Month	564,000 Gallons
Water Sold This Month	527,060 Gallons
Water Used for Fire and Flushing Line	77,000 Gallons
Water Loss	-40,060 Gallons
Water Loss (%)	-7.10 %

	Amount (\$)	# Of Accounts
Total Water	7,158.94	130
Total Sewer	1,215.50	117
Total Garbage	2,669.82	105
Total Late Fee	350.00	70
Total Adjustments	130.39	30
Total Tax	173.09	103
Total Current Charges	11,697.74	138

Amount Past Due 1-30 Days	341.81	3
Amount Past Due 31-60 Days	0.00	
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-754.31	43
Total Receivables	11,285.24	138

Total Receipts On Account	12,691.72	133
Net Change in Memberships	0.00	0
Amount of All Memberships	600.00	7
Amount of All Deposit 2	3,246.58	44
Turned Off Accounts (Amount Owed)	0.00	24
Collection Accounts (Amount Owed)	0.00	24
Number Of Unread (Turned On) Meters		15
Average Usage For Active Meters	3,875	136
Average Water Charge For Active Meters	52.64	130

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		1	47,400	8.99	5.99
30,001-40,000		0	0	0.00	0.00
20,001-30,000		0	0	0.00	0.00
10,001-20,000		4	48,350	9.17	7.00
8,001-10,000		6	52,730	10.00	8.12
6,001-8,000		15	99,410	18.86	16.41
4,001-6,000		29	147,210	27.93	24.70
2,001-4,000		33	101,370	19.23	19.96
1-2,000		39	30,590	5.80	16.64
Zero Usage		9	0	0.00	1.18
Total Meters		136	527,060	100.00	100.00

11/30/2011

10:32:50AM

Directors Report

Moran Water Works

Water Pumped This Month

673,000 Gallons

Water Sold This Month

552,590 Gallons

Water Used for Fire and Flushing Line

~~34,400 Gallons~~

Water Loss

86,010 Gallons

Water Loss (%)

12.78 %

	Amount (\$)	# Of Accounts
Total Water	7,465.65	131
Total Sewer	1,224.00	118
Total Garbage	2,669.82	105
Total Late Fee	245.00	49
Total Adjustments	-84.44	16
Total Tax	173.09	103
Total Current Charges	11,693.12	139
Amount Past Due 1-30 Days	650.45	6
Amount Past Due 31-60 Days	96.99	2
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-434.68	37
Total Receivables	12,005.88	140

Total Receipts On Account	10,972.48	129
Net Change in Memberships	60.00	1
Amount of All Memberships	600.00	7
Amount of All Deposit 2	3,306.58	45
Turned Off Accounts (Amount Owed)	315.13	26
Collection Accounts (Amount Owed)	315.13	26
Number Of Unread (Turned On) Meters		14
Average Usage For Active Meters	4,034	137
Average Water Charge For Active Meters	54.49	131

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		0	0	0.00	0.00
30,001-40,000		0	0	0.00	0.00
20,001-30,000		3	78,520	14.21	9.90
10,001-20,000		8	91,630	16.58	11.81
8,001-10,000		5	45,420	8.22	6.66
6,001-8,000		11	75,870	13.73	11.88
4,001-6,000		26	131,240	23.75	20.99
2,001-4,000		33	100,510	18.19	20.48
1-2,000		39	29,400	5.32	15.56
Zero Usage		12	0	0.00	2.73
Total Meters		137	552,590	100.00	100.00

12/30/2011

10:30:25AM

Directors Report

Moran Water Works

Water Pumped This Month

445,000 Gallons

Water Sold This Month

416,278 Gallons

Water Used for Fire and Flushing Line

~~12,000 Gallons~~

Water Loss

16,722 Gallons

Water Loss (%)

3.76 %

	Amount (\$)	# Of Accounts
Total Water	6,324.71	127
Total Sewer	1,198.50	115
Total Garbage	2,566.37	103
Total Late Fee	270.00	54
Total Adjustments	-715.30	22
Total Tax	165.59	101
Total Current Charges	9,809.87	136
Amount Past Due 1-30 Days	1,019.10	5
Amount Past Due 31-60 Days	41.99	1
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-388.51	39
Total Receivables	10,482.45	138

Total Receipts On Account	11,333.30	129
Net Change in Memberships	60.00	1
Amount of All Memberships	600.00	7
Amount of All Deposit 2	3,366.58	46
Turned Off Accounts (Amount Owed)	434.71	28
Collection Accounts (Amount Owed)	434.71	28
Number Of Unread (Turned On) Meters		17
Average Usage For Active Meters	3,130	133
Average Water Charge For Active Meters	47.55	127

Usage Groups	Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000		0	0	0.00	0.00
40,001-50,000		1	41,210	9.90	5.94
30,001-40,000		0	0	0.00	0.00
20,001-30,000		0	0	0.00	0.00
10,001-20,000		5	60,810	14.61	9.95
8,001-10,000		1	8,050	1.93	0.82
6,001-8,000		7	48,470	11.64	8.95
4,001-6,000		24	117,840	28.31	23.50
2,001-4,000		34	96,550	23.19	22.75
1-2,000		48	43,348	10.41	24.67
Zero Usage		13	0	0.00	3.42
Total Meters		133	416,278	100.00	100.00