



Doña Ana Mutual Domestic Water Consumers Association
Mailing Address: P.O. Box 866 • Doña Ana, NM • 88032
Physical Address: 5535 Ledesma Dr. • Las Cruces, NM 88007
(575) 526-3491 Office • (575) 526-9306 Fax

Agenda

The following are the items for consideration at the Regular Board Meeting of the Doña Ana Mutual Domestic Water Consumers Association Board of Directors on October 4, 2018, convening at 9:00 a.m. at the Doña Ana Mutual Domestic Water Consumers Association Board Room 5535 Ledesma Dr., Las Cruces, NM 88007:

Call to Order & Roll Call

Approval of Agenda

Minutes:

1. Minutes of 9-6-2018 Regular Meeting

Approval of New Members & Meters

Customer Issues and Public Input

2. Alberto Rodriguez – Policy Concerns

Public Input will be limited to 3 minutes per person

Board President Report

Staff Reports

3. Executive Director

New Business

Consent Agenda

None

Unfinished Business

4. Approval of Conservation Plan
5. Approval of Resolution 2018 – 18 Water Trust Board Funding Application
6. Approval to Accept the Resignation of District 5 Board Member Tod Roberts

Closed Session

As authorized by the Open Meetings Act, New Mexico Statutes Annotated, Section 10-15-1, Subsections H (2), H (7) and H (8), the following portion of the Board Meeting will be conducted in closed session:

1. Personnel Matters
 - a. FMLA – Jennifer Horton

Board Open Discussion

Adjournment

A copy of this agenda may be requested by phone by calling (575) 526-3491 or in person at 5535 Ledesma Drive, Las Cruces, NM 88007. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, if summary or other type of accessible format is needed, or any other form of auxiliary aid or service to attend or participate in the hearing or meeting, please contact Stephanie Suggs at (575) 526-3491 on the Tuesday prior to the meeting or as soon as possible.



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The following are the minutes of the Regular Board Meeting of the Doña Ana Mutual Domestic Water Consumers Association Board of Directors, September 6, 2018 convened at 9:00 a.m. in the Doña Ana Mutual Domestic Water Consumers Association Board Room located at 5535 Ledesma Dr., Las Cruces, NM 88007:

Call to Order & Roll Call

President Melton called the meeting to order at 9:00 a.m. and called roll:

Vice President – Jamie Stull, Present

Secretary/Treasurer – Dr. Kurt Anderson, Present

Board Member – Dan Hortert, Present Phone Conference

Board Member – Tod Roberts, Present

A Quorum was declared

Others in Attendance:

Executive Director – Jennifer Horton

Legal Counsel – Joshua Smith

Approval of Agenda

Dr. Anderson moved to approve the agenda for the September 6, 2018 Regular Board Meeting as presented; the motion was seconded by Mr. Roberts. The Chair called for discussion of the motion. None was brought forward. The Chair called for a vote on the motion. The motion carried by roll call vote 5-0.

Minutes

Dr. Anderson moved to approve the Regular Board Meeting Minutes of August 2, 2018 as presented; the motion was seconded by Mr. Roberts. The Chair called for discussion of the motion. Mr. Roberts advised Mr. Maxwell is noted as the PHPOA President, however he is a Chair Member. The Chair called for a vote on the motion with the updated approval item; the motion carried by roll call vote 5-0.

New Members & New Meters

Mr. Stull moved to approve the New Members and New Meters list as presented; the motion was seconded by Mr. Roberts. The Chair called for discussion of the motion. Ms. Horton advised we have twenty-three (23) names on the list; twenty-two (22) are new members and we have one (1) new connection. The Chair called for a vote on the motion; the motion carried by roll call vote 5-0.

Customer Issues and Public Input

None

Board President Report

Mr. Melton advised he is going to expand his reporting to encompass updates from all departments in the Association. We received an extension on our Via Norte project to continue installing PRV's and finalize the project. Any landscape that was disturbed will be replaced once the project is complete. Both the Radium Springs rehabilitation and the Picacho Hills wastewater treatment plant (WWTP) are slated to begin construction in October. There is no new well data to report as we continue to address in house maintenance on well 16 and complete sampling for wells eleven and fifteen. Our litigation matters are still pending. Mr. Melton noted that while we maintain a willingness to attempt to meet the market for perfected water rights with reasonably early priority

dates we will not enter into a bidding contest for any specific water rights that might potentially be available. Our operations staff have received written compliments from our membership for their hard work in the field.

The Board has received two emails from concerned members. Ms. Maria Wood does not agree with the 3:00 p.m. cutoff time for payments. We have published our policies online as well as multiple times in our newsletter addressing the cutoff time. We post at 3:00 p.m. so that in the event of a glitch we can contact our software company the day of, as well as limit the amount of excessive internal costs that come from keeping staff after hours. Mr. James Le Noir has requested additional fire hydrants on his street in a small development as there is currently only a flush hydrant. The infrastructure does not exist in his area to accommodate fire hydrants at this time. Our policy is to install additional hydrants at the same time as line upgrades and extensions where we have the capability to provide fire flow. In this case the line that feeds his area is a two inch main line. A six inch line must be installed in order to accommodate fire flow. The responsibility for the installation of fire protection is the responsibility of the developer. The Association is agreeable to obtaining a ballpark estimate of what it would cost to upgrade the lines and invite the membership in Mr. Le Noir's area to approach the Board to cover this expense. We cannot justify a six inch main at this time for an area that feeds very few homes. Mr. Melton has drafted letters to each individual addressing their concerns.

The increase in staff proposed with this year's budget will address an additional manager in the field and provide sufficient personnel to begin a fire hydrant testing program. This will occur as time permits. Mr. Hortert noted he received a complaint about the fire hydrants being moved around in Picacho Hills. The hydrants are up to code, every 250 feet apart; however we were required to move the line to the other side of the street which did affect the placement of the new hydrants. Picacho Hills received additional fire hydrants as we removed eight hydrants and installed eleven.

Staff Reports

Ms. Horton summarized the pumping data provided and the financial statements. The budget for this year approved three new positions for operations and an additional manager in the field. We have found an individual for the management role; however this would require a contract as he is retiring from his current post. Ms. Horton believes the contract will work out well, and she and Mr. Smith are working on a draft. We have also received the policy information for our health insurance, and rates have increased this year seventeen percent. We are considered a small group and after visiting with our broker we do have a few options. There is the option to cover a set amount or cover the entire cost this year and evaluate the set amount next year to give staff time to prepare for this change.

New Business

Unfinished Business

Dr. Anderson moved to approve the Resolution 2018 – 09 Authorizing the Match for CIF-4634 as presented; the motion was seconded by Mr. Hortert. The Chair called for discussion of the motion. Ms. Horton advised this is our third approval of this resolution, however the Colonias Infrastructure Board has awarded additional funds. This is for the second phase of Southeast Collection for sewer infrastructure in Dona Ana County. The Chair called for a vote on the motion; the motion carried by roll call vote 5-0.

Dr. Anderson moved to approve the Resolution 2018 – 16 CIF-4634 Loan Documents as presented; the motion was seconded by Mr. Roberts. The Chair called for discussion of the motion. Ms. Horton reminded the Board this document consists of a ninety percent grant, ten percent loan, ten percent match component that accompanies the resolution that was just passed for funding for Southeast Collection. This is one of the better loans

available, however this will only cover a few streets to continue sewer lines. The Chair called for a vote on the motion; the motion carried by roll call vote 5-0.

Dr. Anderson moved to approve the Award of Construction for Southeast Collection Phase II as presented; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion. Ms. Horton explained this project consisted of the base bid with six alternatives. We have recommended the award include the base bid with items one and two. The award will go to Smithco as our low bidder. The Chair called for a vote on the motion; the motion carried by roll call vote 5-0.

Dr. Anderson moved to approve the Award Paving Patch as presented; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion. Ms. Horton advised due to the County requirements for paving this patchwork has been completed in order to maintain compliance. The Chair called for a vote on the motion; the motion carried by roll call vote 5-0.

Dr. Anderson moved to approve the Contract 6325349 District Five Improvements as presented; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion. Ms. Horton clarified this is for engineering services to complete the everything associated with the proposed change orders. The change orders are being reviewed by the Environment Department. This is the contract for our engineering firm only. The Chair called for a vote on the motion; the motion carried by roll call vote 5-0.

Dr. Anderson moved to approve the Resolution 2018 – 17 Authorize Spending Limit for Executive Director as presented; the motion was seconded by Mr. Roberts. The Chair called for discussion of the motion. This is the resolution for the spending limit authorized at our budget meeting. The Chair called for a vote on the motion; the motion

carried by roll call vote 5-0.

Open Discussion

Mr. Melton inquired about our upcoming audit. Ms. Horton advised we are ready. Mr. Melton stated that in the past if we did not have action items or business to address then the Board Meeting was cancelled. The Board agreed to continue with this arrangement.

Adjournment

Dr. Anderson moved to adjourn at 10:30 a.m., with a second from Mr. Stull. The Chair called for a vote on the motion. The motion carried by roll call vote 5-0.

Kurt Anderson
Secretary/ Treasurer

Date

New Members and New Meters								
Name	Address	Tap In Fee	Water Rights	Membership	Tax	Sewer	Other Fees	Total Fees
Desert View Homes	2834 San Elizario	\$ 1,255.00	\$ 1,750.00	\$ -	\$ 233.60		\$ 1,667.00	\$ 4,905.60
Desert View Homes	3051 San Elizario	\$ 1,255.00	\$ 1,750.00	\$ -	\$ 233.60		\$ 1,667.00	\$ 4,905.60
Desert View Homes	3054 San Lorenzo	\$ 1,255.00	\$ 1,750.00	\$ -	\$ 233.60		\$ 1,667.00	\$ 4,905.60
Desert View Homes	3050 San Lorenzo	\$ 1,255.00	\$ 1,750.00	\$ -	\$ 233.60		\$ 1,667.00	\$ 4,905.60
MV Habitat	4185 Aurora Star Ct.	\$ 1,255.00	\$ 1,750.00	\$ -	\$ 233.60		\$ 1,719.50	\$ 4,958.10
MV Habitat	4178 Aurora Star Ct.	\$ 1,255.00	\$ 1,750.00	\$ -	\$ 233.60		\$ 1,719.50	\$ 4,958.10
MV Habitat	4182 Aurora Star Ct.	\$ 1,255.00	\$ 1,750.00	\$ -	\$ 233.60		\$ 1,719.50	\$ 4,958.10
Chris Jerome	757 Damrymple	\$ 1,255.00	\$ -	\$ -	\$ 64.00		\$ 25.00	\$ 1,344.00
Michael J Apodaca	2823 Sarah Lee Wooten	\$ 1,255.00	\$ 1,750.00	\$ 75.00	\$ 237.35		\$ 1,667.00	\$ 4,984.35
MV Habitat	4174 Aurora Star Ct.	\$ 1,255.00	\$ 1,750.00	\$ 75.00	\$ 237.35		\$ 1,719.50	\$ 5,036.85
Linda D. Sutherland	1357 Fairway Village			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Amanda Ramirez	3026 San Elizario Ct			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Courtney Cartwright	4211 Lavender Dr			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Howard M Achen	6230 Zorro Ln			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Joshua Adams	2899 La Union Ct			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Andie Johnson	8247 Degas Dr			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Joann S Zuniga	1130 Bleimeyer			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Travis D. Rempe	705 Lopez			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Luis A Gonzales	3030 San Lorenzo			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Beverlie Colcott	10024 Saragossa Ct			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Maria E. Meza Vega	4354 Paseo Del Oro			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Cleve Simpson	2809 Meriwether St			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
David Reyes	3046 San Elizario Ct			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75
Steven R. Meisten	5560 Algodon Ct			\$ 75.00	\$ 6.75		\$ 60.00	\$ 141.75



Request to Address the Board of Directors

Date: 9-10-18

Account Number: all

Phone Number: 6402404

Name: Alberto Rodriguez

Service Address: 2600 Doris Ave N

I, Alberto Rodriguez, request to be heard at the next regular monthly Board of Directors Meeting*. I would like to address the Board of Directors on the following concerns:

- 1. From replacing Meter Down
- 2. the way you charge on Unconsier
- 3. water leaks
- 4. when they replace Meters to include the new meter reading

I understand that this office will contact me, by phone or email no later than the Tuesday before the meeting scheduled on October 4, 2018 with an approximate time to appear before the Board of Directors.

*Please indicate all that apply below to address your concerns:

Time Requested 10 minutes

Handouts

*The request form must be received by the Executive Director no later than the close of business one week prior to the board meeting. If you plan to use a handout you must provide the handouts along with the request form. No additional handouts shall be given during the presentation.

Alberto Rodriguez
Customer Signature

Julie M. Jones
Dona Ana MDWCA Representative



Dona Ana MDWCA

Service Order

Completed

Job Date: 5/7/2018 8:00 AM
Job Code: LEAK - CHECK FOR LEAK
Group: Water
Staff: Dona Ana

Service Order #: SO04343FY18
Job Action: Miscellaneous
Issued By: Arthur Barela
Requested By: AL RODRIGUEZ TRAILER PARK

Location: 2600 DONA ANA RD # #14 LAS CRUCES NM 88007
Account: 03-04096-01 AL RODRIGUEZ TRAILER PARK

Services

Service	Action	Current Meter #	Meter Serial #	Remote Id #	Scale	Last Read	Reading	New Meter #	Set Reading
100 - Water	No Action	1850604775	94354364	1850604775	1	505,481	_____	_____	_____
101 - Water Cons	No Action					0 0	_____	_____	_____
102 - Water Leak	No Action					0 0	_____	_____	_____
400 - Sewer	No Action					0 0	_____	_____	_____

Order Notes: PLEASE CHECK FOR LEAK. THANK YOU AB

Completion Notes: Meter is skipping up. SI

Completion Date: _____

Worked By: _____

Approved By: _____



Dona Ana MDWCA

Service Order

Completed

Job Date: 5/18/2018 8:00 AM
Job Code: MCO - Meter Changeout
Group: Water
Staff: Dona Ana

Service Order #: SO04448FY18
Job Action: Service Action
Issued By: Arthur Barela
Requested By: AL RODRIGUEZ TRAILER PARK

Location: 2600 DONA ANA RD # #14 LAS CRUCES NM 88007
Account: 03-04096-01 AL RODRIGUEZ TRAILER PARK

Services

Service	Action	Current Meter #	Meter Serial #	Remote Id #	Scale	Last Read	Reading	New Meter #	Set Reading
100 - Water	Swap	1850604775	94354364	1850604775	1	509,824			
101 - Water Cons	No Action					0 0			
102 - Water Leak	No Action					0 0			
400 - Sewer	No Action					0 0			

Order Notes: PLEASE CHANGE OUT METER. METER IS SKIPPING UP.
THANK YOU AB

Completion Notes: Changed out meter cs pet

Completion Date: _____

Worked By: _____

Approved By: _____

Account Transaction Report



Dona Ana MDWCA

03-04096-01
AL RODRIGUEZ TRAILER PARK
301 WARING RD
LAS CRUCES, NM 88007

Service Address: 2600 DONA ANA RD # #14

Balance Due: 0.00

Date	Transaction	Packet Number	Receipt No.	Transaction Description	Amount	Balance
9/4/2018	Payment	Batch:000409FY19	R0008664FY19		-235.22	0.00
9/1/2018	Bill	UBPKT00331FY19		BILL 7/16/2018 - 8/15/2018	98.93	235.22
8/28/2018	Reverse Penalty Adjustr	UBPKT00339FY19			-13.48	136.29
8/20/2018	Cutoff Exclusion	UBPKT00245FY19		CUTOFF EXCLUSION Billing Criteria: UBPKT019	0.00	149.77
8/10/2018	Payment	Batch:000261FY19	R0005752FY19		-94.07	149.77
8/1/2018	Bill	UBPKT00151FY19		BILL 6/14/2018 - 7/16/2018	94.07	243.84
7/20/2018	Cutoff Exclusion	UBPKT00067FY19		CUTOFF EXCLUSION Billing Criteria: UBPKT015	0.00	149.77
7/20/2018	Memo	UBPKT00067FY19		CUTOFF POSTED Billing Criteria: UBPKT01592	0.00	149.77
7/11/2018	Payment	Batch:000050FY19	R0001228FY19		-83.38	149.77
7/1/2018	Bill	UBPKT01985 FY18		BILL 5/15/2018 - 6/14/2018	83.38	233.15
6/20/2018	Cutoff Exclusion	UBPKT01911 FY18		CUTOFF EXCLUSION Billing Criteria: UBPKT017	0.00	149.77
6/20/2018	Memo	UBPKT01911 FY18		CUTOFF POSTED Billing Criteria: UBPKT01785	0.00	149.77
6/14/2018	Payment	Batch:002127FY18	R0047951FY18		-84.81	149.77
6/1/2018	Bill	UBPKT01785 FY18		BILL 4/18/2018 - 5/15/2018	84.81	234.58
5/25/2018	Penalty	UBPKT01781 FY18		PENALTY Billing Criteria: UBPKT01592 FY18	13.48	149.77
5/1/2018	Bill	UBPKT01592 FY18		BILL 3/15/2018 - 4/18/2018	136.29	136.29
4/6/2018	Payment	Batch:001679FY18	R0038208FY18		-98.58	0.00
4/1/2018	Bill	UBPKT01409 FY18		BILL 2/14/2018 - 3/15/2018	98.58	98.58
3/26/2018	Memo	UBPKT01371 FY18		New Annual Meeting: Bad Number	0.00	0.00
3/1/2018	Bill	UBPKT01209 FY18		BILL 1/18/2018 - 2/14/2018	93.65	0.00
3/1/2018	Payment	Batch:001453FY18	R0033482FY18		-93.65	-93.65
2/9/2018	Payment	Batch:001340FY18	R0030664FY18		-101.88	0.00
2/1/2018	Bill	UBPKT00998 FY18		BILL 12/15/2017 - 1/18/2018	101.88	101.88
1/30/2018	Memo	UBPKT01009 FY18		Annual Meeting Notification: Bad Number	0.00	0.00
1/9/2018	Payment	Batch:001145FY18	R0025952FY18		-102.89	0.00
1/1/2018	Bill	UBPKT00835 FY18		BILL 11/16/2017 - 12/15/2017	102.89	102.89
12/4/2017	Payment	Batch:000916FY18	R0021111FY18		-164.33	0.00
12/1/2017	Bill	UBPKT00666 FY18		BILL 10/17/2017 - 11/16/2017	164.33	164.33
11/6/2017	Payment	Batch:000746FY18	R0017444FY18		-88.16	0.00
11/1/2017	Bill	UBPKT00532 FY18		BILL 9/14/2017 - 10/17/2017	88.16	88.16
10/5/2017	Payment	Batch:000546FY18	R0012864FY18		-46.33	0.00
10/1/2017	Bill	UBPKT00387 FY18		BILL 8/15/2017 - 9/14/2017	86.79	46.33
9/21/2017	Miscellaneous Adjustme	UBPKT00339 FY18			-40.46	-40.46
9/5/2017	Payment	Batch:000343FY18	R0008533FY18		-69.20	0.00
9/1/2017	Bill	UBPKT00259 FY18		BILL 7/15/2017 - 8/15/2017	69.20	69.20
8/9/2017	Payment	Batch:000202FY18	R0005174FY18		-27.16	0.00
8/1/2017	Bill	UBPKT00100 FY18		BILL 6/15/2017 - 7/15/2017	27.16	27.16
7/20/2017	Payment	Batch:000100FY18	R0002779FY18		-61.15	0.00
7/1/2017	Bill	UBPKT01813 FY17		BILL 5/17/2017 - 6/15/2017	61.15	61.15
6/5/2017	Payment	Batch:001979FY17	R0045839FY17		-26.15	0.00
6/1/2017	Bill	UBPKT01653 FY17		BILL 4/21/2017 - 5/17/2017	26.15	26.15
5/18/2017	Payment	Batch:001893FY17	R0043792FY17		-41.78	0.00
5/1/2017	Bill	UBPKT01467 FY17		BILL 3/15/2017 - 4/21/2017	41.78	41.78
4/10/2017	Payment	Batch:001647FY17	R0038431FY17		-40.75	0.00
4/1/2017	Bill	UBPKT01317 FY17		BILL 2/13/2017 - 3/15/2017	40.75	40.75
3/15/2017	Payment	Batch:001505FY17	R0035072FY17		-56.62	0.00
3/6/2017	Memo	UBPKT01077 FY17		Water Outage Notification: Immediate Hanguj	0.00	56.62
3/1/2017	Bill	UBPKT01156 FY17		BILL 1/14/2017 - 2/13/2017	56.62	56.62
2/6/2017	Payment	Batch:001265FY17	R0029445FY17		-47.26	0.00
2/1/2017	Bill	UBPKT01051 FY17		BILL 12/15/2016 - 1/14/2017	47.26	47.26
1/19/2017	Payment	Batch:001166FY17	R0027370FY17		-32.55	0.00
1/1/2017	Bill	UBPKT00896 FY17		BILL 11/15/2016 - 12/15/2016	32.55	32.55
12/6/2016	Payment	Batch:000889FY17	R0020704FY17		-30.03	0.00

Date	Transaction	Packet Number	Receipt No.	Transaction Description	Amount	Balance
12/1/2016	Bill	UBPKT00763 FY17		BILL 10/6/2016 - 11/15/2016	30.03	30.03
11/18/2016	Payment	Batch:800807FY17	R0019054FY17		-29.40	0.00
11/1/2016	Bill	UBPKT00596 FY17		BILL 9/6/2016 - 10/6/2016	29.40	29.40
10/10/2016	Payment	Batch:800545FY17	R0012968FY17		-100.52	0.00
10/1/2016	Bill	UBPKT00405 FY17		BILL 8/7/2016 - 9/6/2016	100.52	100.52
9/22/2016	Payment	Batch:800444FY17	R0011434FY17		-58.37	0.00
9/1/2016	Bill	UBPKT00277 FY17		BILL 7/8/2016 - 8/7/2016	58.37	58.37
8/16/2016	Payment	Batch:800228FY17	R0006353FY17		-36.72	0.00
7/29/2016	Bill	UBPKT00115 FY17		BILL 6/8/2016 - 7/8/2016	36.72	36.72
7/20/2016	Cutoff Exclusion	UBPKT00044 FY17		CUTOFF EXCLUSION Billing Criteria: UBPKT015	0.00	0.00
7/20/2016	Memo	UBPKT00044 FY17		CUTOFF POSTED Billing Criteria: UBPKT01544	0.00	0.00
7/20/2016	Payment	Batch:800091FY17	R0003497FY17		-45.48	0.00
7/15/2016	Penalty	UBPKT00044 FY17		PENALTY Billing Criteria: UBPKT01544	4.14	45.48
7/1/2016	Bill	UBPKT01544		BILL 5/9/2016 - 6/8/2016	41.34	41.34
6/7/2016	Payment	Batch:800001822	R00042956		-84.04	0.00
6/1/2016	Bill	UBPKT01405		BILL 4/9/2016 - 5/9/2016	41.34	84.04
5/16/2016	Penalty	UBPKT01363		PENALTY Billing Criteria: UBPKT01240	3.88	42.70
4/29/2016	Bill	UBPKT01240		BILL 3/10/2016 - 4/9/2016	38.82	38.82
4/14/2016	Payment	Batch:800001517	R00036468		-33.78	0.00
3/31/2016	Bill	UBPKT01097		BILL 2/9/2016 - 3/10/2016	33.78	33.78
3/10/2016	Payment	Batch:800001311	R00031843		-33.78	0.00
2/29/2016	Bill	UBPKT00927		BILL 1/10/2016 - 2/9/2016	33.78	33.78
2/4/2016	Payment	Batch:800001093	R00026355		-38.82	0.00
1/29/2016	Bill	UBPKT00774		BILL 12/11/2015 - 1/10/2016	38.82	38.82
1/15/2016	Payment	Batch:800000978	R00024144		-36.30	0.00
12/31/2015	Bill	UBPKT00648		BILL 11/11/2015 - 12/11/2015	36.30	36.30
12/8/2015	Payment	Batch:800000764	R00018688		-36.30	0.00
11/30/2015	Bill	UBPKT00536		BILL 10/12/2015 - 11/11/2015	36.30	36.30
11/12/2015	Payment	Batch:800000627	R00014707		-36.30	0.00
10/30/2015	Bill	UBPKT00441		BILL 9/12/2015 - 10/12/2015	36.30	36.30
10/7/2015	Payment	Batch:800000421	R00010233		-60.34	0.00
9/30/2015	Bill	UBPKT00322		BILL 8/13/2015 - 9/12/2015	60.34	60.34
9/16/2015	Credit Application	UBPKT00263		Credit Application	0.00	0.00
9/3/2015	Payment	Batch:800000238	R00005593		-56.95	0.00
8/31/2015	Bill	UBPKT00183		BILL 7/14/2015 - 8/13/2015	56.95	56.95
8/24/2015	Cutoff Exclusion	UBPKT00170		CUTOFF EXCLUSION Billing Criteria: UBPKT00C	0.00	0.00
8/24/2015	Memo	UBPKT00170		CUTOFF POSTED Billing Criteria: UBPKT00057	0.00	0.00
8/24/2015	Payment	Batch:800000178	R00005042		-55.19	0.00
8/20/2015	Penalty	UBPKT00159		PENALTY Billing Criteria: UBPKT00057	5.02	55.19
7/27/2015	Bill	UBPKT00057		BILL 6/16/2015 - 7/14/2015	50.17	50.17
Balance Due for Account 03-04096-01:				0.00		

Account Transaction Report



Dona Ana MDWCA

03-04096-01
 AL RODRIGUEZ TRAILER PARK
 301 WARING RD
 LAS CRUCES, NM 88007

Service Address: 2600 DONA ANA RD # #14

Balance Due: 0.00

Date	Transaction	Packet Number	Receipt No.	Transaction Description	Amount	Balance
9/4/2018	Payment	Batch:B00409FY19	R0008664FY19		-235.22	0.00
9/1/2018	Bill	UBPKT00331FY19		BILL 7/16/2018 - 8/15/2018	98.93	235.22
8/28/2018	Reverse Penalty Adjustr	UBPKT00339FY19			-13.48	136.29
8/20/2018	Cutoff Exclusion	UBPKT00245FY19		CUTOFF EXCLUSION Billing Criteria: UBPKT019	0.00	149.77
8/10/2018	Payment	Batch:B00261FY19	R0005752FY19		-94.07	149.77
8/1/2018	Bill	UBPKT00151FY19		BILL 6/14/2018 - 7/16/2018	94.07	243.84
7/20/2018	Cutoff Exclusion	UBPKT00067FY19		CUTOFF EXCLUSION Billing Criteria: UBPKT015	0.00	149.77
7/20/2018	Memo	UBPKT00067FY19		CUTOFF POSTED Billing Criteria: UBPKT01592	0.00	149.77
7/11/2018	Payment	Batch:B00050FY19	R0001228FY19		-83.38	149.77
7/1/2018	Bill	UBPKT01985 FY18		BILL 5/15/2018 - 6/14/2018	83.38	233.15
6/20/2018	Cutoff Exclusion	UBPKT01911 FY18		CUTOFF EXCLUSION Billing Criteria: UBPKT017	0.00	149.77
6/20/2018	Memo	UBPKT01911 FY18		CUTOFF POSTED Billing Criteria: UBPKT01785	0.00	149.77
6/14/2018	Payment	Batch:B02127FY18	R0047951FY18		-84.81	149.77
6/1/2018	Bill	UBPKT01785 FY18		BILL 4/18/2018 - 5/15/2018	84.81	234.58
5/25/2018	Penalty	UBPKT01781 FY18		PENALTY Billing Criteria: UBPKT01592 FY18	13.48	149.77
5/1/2018	Bill	UBPKT01592 FY18		BILL 3/15/2018 - 4/18/2018	136.29	136.29
4/6/2018	Payment	Batch:B01679FY18	R0038208FY18		-98.58	0.00
4/1/2018	Bill	UBPKT01409 FY18		BILL 2/14/2018 - 3/15/2018	98.58	98.58
3/26/2018	Memo	UBPKT01371 FY18		New Annual Meeting: Bad Number	0.00	0.00
3/1/2018	Bill	UBPKT01209 FY18		BILL 1/18/2018 - 2/14/2018	93.65	0.00
3/1/2018	Payment	Batch:B01453FY18	R0033482FY18		-93.65	-93.65
2/9/2018	Payment	Batch:B01340FY18	R0030664FY18		-101.88	0.00
2/1/2018	Bill	UBPKT00998 FY18		BILL 12/15/2017 - 1/18/2018	101.88	101.88
1/30/2018	Memo	UBPKT01009 FY18		Annual Meeting Notification: Bad Number	0.00	0.00
1/9/2018	Payment	Batch:B01145FY18	R0025952FY18		-102.89	0.00
1/1/2018	Bill	UBPKT00835 FY18		BILL 11/16/2017 - 12/15/2017	102.89	102.89
12/4/2017	Payment	Batch:B00916FY18	R0021111FY18		-164.33	0.00
12/1/2017	Bill	UBPKT00666 FY18		BILL 10/17/2017 - 11/16/2017	164.33	164.33
11/6/2017	Payment	Batch:B00746FY18	R0017444FY18		-88.16	0.00
11/1/2017	Bill	UBPKT00532 FY18		BILL 9/14/2017 - 10/17/2017	88.16	88.16
10/5/2017	Payment	Batch:B00546FY18	R0012864FY18		-46.33	0.00
10/1/2017	Bill	UBPKT00387 FY18		BILL 8/15/2017 - 9/14/2017	86.79	46.33
9/21/2017	Miscellaneous Adjustme	UBPKT00339 FY18			-40.46	-40.46
9/5/2017	Payment	Batch:B00343FY18	R0008533FY18		-69.20	0.00
9/1/2017	Bill	UBPKT00259 FY18		BILL 7/15/2017 - 8/15/2017	69.20	69.20
8/9/2017	Payment	Batch:B00202FY18	R0005174FY18		-27.16	0.00
8/1/2017	Bill	UBPKT00100 FY18		BILL 6/15/2017 - 7/15/2017	27.16	27.16
7/20/2017	Payment	Batch:B00100FY18	R0002779FY18		-61.15	0.00
7/1/2017	Bill	UBPKT01813 FY17		BILL 5/17/2017 - 6/15/2017	61.15	61.15
6/5/2017	Payment	Batch:B01979FY17	R0045839FY17		-26.15	0.00
6/1/2017	Bill	UBPKT01653 FY17		BILL 4/21/2017 - 5/17/2017	26.15	26.15
5/18/2017	Payment	Batch:B01893FY17	R0043792FY17		-41.78	0.00
5/1/2017	Bill	UBPKT01467 FY17		BILL 3/15/2017 - 4/21/2017	41.78	41.78
4/10/2017	Payment	Batch:B01647FY17	R0038431FY17		-40.75	0.00
4/1/2017	Bill	UBPKT01317 FY17		BILL 2/13/2017 - 3/15/2017	40.75	40.75
3/15/2017	Payment	Batch:B01505FY17	R0035072FY17		-56.62	0.00
3/6/2017	Memo	UBPKT01077 FY17		Water Outage Notification: Immediate Hanguj	0.00	56.62
3/1/2017	Bill	UBPKT01156 FY17		BILL 1/14/2017 - 2/13/2017	56.62	56.62
2/6/2017	Payment	Batch:B01265FY17	R0029445FY17		-47.26	0.00
2/1/2017	Bill	UBPKT01051 FY17		BILL 12/15/2016 - 1/14/2017	47.26	47.26
1/19/2017	Payment	Batch:B01166FY17	R0027370FY17		-32.55	0.00
1/1/2017	Bill	UBPKT00896 FY17		BILL 11/15/2016 - 12/15/2016	32.55	32.55
12/6/2016	Payment	Batch:B00889FY17	R0020704FY17		-30.03	0.00

Date	Transaction	Packet Number	Receipt No.	Transaction Description	Amount	Balance
12/1/2016	Bill	UBPKT00763 FY17		BILL 10/6/2016 - 11/15/2016	30.03	30.03
11/18/2016	Payment	Batch:800807FY17	R0019054FY17		-29.40	0.00
11/1/2016	Bill	UBPKT00596 FY17		BILL 9/6/2016 - 10/6/2016	29.40	29.40
10/10/2016	Payment	Batch:800545FY17	R0012968FY17		-100.52	0.00
10/1/2016	Bill	UBPKT00405 FY17		BILL 8/7/2016 - 9/6/2016	100.52	100.52
9/22/2016	Payment	Batch:800444FY17	R0011434FY17		-58.37	0.00
9/1/2016	Bill	UBPKT00277 FY17		BILL 7/8/2016 - 8/7/2016	58.37	58.37
8/16/2016	Payment	Batch:800228FY17	R0006353FY17		-36.72	0.00
7/29/2016	Bill	UBPKT00115 FY17		BILL 6/8/2016 - 7/8/2016	36.72	36.72
7/20/2016	Cutoff Exclusion	UBPKT00044 FY17		CUTOFF EXCLUSION Billing Criteria: UBPKT015	0.00	0.00
7/20/2016	Memo	UBPKT00044 FY17		CUTOFF POSTED Billing Criteria: UBPKT01544	0.00	0.00
7/20/2016	Payment	Batch:800091FY17	R0003497FY17		-45.48	0.00
7/15/2016	Penalty	UBPKT00044 FY17		PENALTY Billing Criteria: UBPKT01544	4.14	45.48
7/1/2016	Bill	UBPKT01544		BILL 5/9/2016 - 6/8/2016	41.34	41.34
6/7/2016	Payment	Batch:800001822	R00042956		-84.04	0.00
6/1/2016	Bill	UBPKT01405		BILL 4/9/2016 - 5/9/2016	41.34	84.04
5/16/2016	Penalty	UBPKT01363		PENALTY Billing Criteria: UBPKT01240	3.88	42.70
4/29/2016	Bill	UBPKT01240		BILL 3/10/2016 - 4/9/2016	38.82	38.82
4/14/2016	Payment	Batch:800001517	R00036468		-33.78	0.00
3/31/2016	Bill	UBPKT01097		BILL 2/9/2016 - 3/10/2016	33.78	33.78
3/10/2016	Payment	Batch:800001311	R00031843		-33.78	0.00
2/29/2016	Bill	UBPKT00927		BILL 1/10/2016 - 2/9/2016	33.78	33.78
2/4/2016	Payment	Batch:800001093	R00026355		-38.82	0.00
1/29/2016	Bill	UBPKT00774		BILL 12/11/2015 - 1/10/2016	38.82	38.82
1/15/2016	Payment	Batch:800000978	R00024144		-36.30	0.00
12/31/2015	Bill	UBPKT00648		BILL 11/11/2015 - 12/11/2015	36.30	36.30
12/8/2015	Payment	Batch:800000764	R00018688		-36.30	0.00
11/30/2015	Bill	UBPKT00536		BILL 10/12/2015 - 11/11/2015	36.30	36.30
11/12/2015	Payment	Batch:800000627	R00014707		-36.30	0.00
10/30/2015	Bill	UBPKT00441		BILL 9/12/2015 - 10/12/2015	36.30	36.30
10/7/2015	Payment	Batch:800000421	R00010233		-60.34	0.00
9/30/2015	Bill	UBPKT00322		BILL 8/13/2015 - 9/12/2015	60.34	60.34
9/16/2015	Credit Application	UBPKT00263		Credit Application	0.00	0.00
9/3/2015	Payment	Batch:800000238	R00005593		-56.95	0.00
8/31/2015	Bill	UBPKT00183		BILL 7/14/2015 - 8/13/2015	56.95	56.95
8/24/2015	Cutoff Exclusion	UBPKT00170		CUTOFF EXCLUSION Billing Criteria: UBPKT00C	0.00	0.00
8/24/2015	Memo	UBPKT00170		CUTOFF POSTED Billing Criteria: UBPKT00057	0.00	0.00
8/24/2015	Payment	Batch:800000178	R00005042		-55.19	0.00
8/20/2015	Penalty	UBPKT00159		PENALTY Billing Criteria: UBPKT00057	5.02	55.19
7/27/2015	Bill	UBPKT00057		BILL 6/16/2015 - 7/14/2015	50.17	50.17
Balance Due for Account 03-04096-01:					0.00	

Service Maintenance

X

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03-04096

2600 DONA ANA RD # #14

General Metering Bill History Meter History Readings Consumption Service Orders Service Actions Notes User Defined

View Style

Grid

Drag a column header here to group by that column.

Bill Date	Bill Type	Class Code	Rate Code	Meter Group	Begin Read	End Read	Billed Consumpti	Metered Consum	Demand Consum	KVAR Consumpti	Total
6/1/2018	Regular	RESIDENTIAL	Residential Wate	Water	505,481.00	511,021.00	5,540.00	5,540.00	0.00	0.00	
5/1/2018	Regular	RESIDENTIAL	Residential Wate	Water	485,742.00	505,481.00	19,739.00	19,739.00	0.00	0.00	
4/1/2018	Regular	RESIDENTIAL	Residential Wate	Water	475,590.00	485,742.00	10,152.00	10,152.00	0.00	0.00	
3/1/2018	Regular	RESIDENTIAL	Residential Wate	Water	466,484.00	475,590.00	9,106.00	9,106.00	0.00	0.00	
2/1/2018	Regular	RESIDENTIAL	Residential Wate	Water	455,059.00	466,484.00	11,425.00	11,425.00	0.00	0.00	
1/1/2018	Regular	RESIDENTIAL	Residential Wate	Water	442,965.00	455,059.00	12,094.00	12,094.00	0.00	0.00	
12/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	417,174.00	442,965.00	25,791.00	25,791.00	0.00	0.00	
11/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	409,367.00	417,174.00	7,807.00	7,807.00	0.00	0.00	
10/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	402,030.00	409,367.00	7,337.00	7,337.00	0.00	0.00	
9/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	397,471.00	402,030.00	4,559.00	4,559.00	0.00	0.00	
8/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	393,206.00	397,471.00	4,265.00	4,265.00	0.00	0.00	
7/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	378,428.00	393,206.00	14,778.00	14,778.00	0.00	0.00	
6/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	374,623.00	378,428.00	3,805.00	3,805.00	0.00	0.00	
5/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	365,051.00	374,623.00	9,572.00	9,572.00	0.00	0.00	
4/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	355,843.00	365,051.00	9,208.00	9,208.00	0.00	0.00	
3/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	342,258.00	355,843.00	13,585.00	13,585.00	0.00	0.00	
2/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	331,139.00	342,258.00	11,119.00	11,119.00	0.00	0.00	
1/1/2017	Regular	RESIDENTIAL	Residential Wate	Water	324,802.00	331,139.00	6,337.00	6,337.00	0.00	0.00	
12/1/2016	Regular	RESIDENTIAL	Residential Wate	Water	319,344.00	324,802.00	5,458.00	5,458.00	0.00	0.00	
11/1/2016	Regular	RESIDENTIAL	Residential Wate	Water	314,109.00	319,344.00	5,235.00	5,235.00	0.00	0.00	
10/1/2016	Regular	RESIDENTIAL	Residential Wate	Water	290,248.00	314,109.00	23,861.00	23,861.00	0.00	0.00	
9/1/2016	Regular	RESIDENTIAL	Residential Wate	Water	276,206.00	290,248.00	14,042.00	14,042.00	0.00	0.00	
7/29/2016	Regular	RESIDENTIAL	Residential Wate	Water	268,403.00	276,206.00	7,803.00	7,803.00	0.00	0.00	
7/1/2016	Regular	RESIDENTIAL	Residential Wate	Water	259,094.00	268,403.00	9,309.00	9,309.00	0.00	0.00	
6/1/2016	Regular	RESIDENTIAL	Residential Wate	Water	249,320.00	259,094.00	9,774.00	9,774.00	0.00	0.00	
4/29/2016	Regular	RESIDENTIAL	Residential Wate	Water	240,553.00	249,320.00	8,767.00	8,767.00	0.00	0.00	
3/31/2016	Regular	RESIDENTIAL	Residential Wate	Water	233,768.00	240,553.00	6,785.00	6,785.00	0.00	0.00	
2/29/2016	Regular	RESIDENTIAL	Residential Wate	Water	226,942.00	233,768.00	6,826.00	6,826.00	0.00	0.00	
1/29/2016	Regular	RESIDENTIAL	Residential Wate	Water	217,982.00	226,942.00	8,960.00	8,960.00	0.00	0.00	
12/31/2015	Regular	RESIDENTIAL	Residential Wate	Water	210,632.00	217,982.00	7,350.00	7,350.00	0.00	0.00	
11/30/2015	Regular	RESIDENTIAL	Residential Wate	Water	203,331.00	210,632.00	7,301.00	7,301.00	0.00	0.00	
10/30/2015	Regular	RESIDENTIAL	Residential Wate	Water	196,183.00	203,331.00	7,148.00	7,148.00	0.00	0.00	
9/30/2015	Regular	RESIDENTIAL	Residential Wate	Water	182,715.00	196,183.00	13,468.00	13,468.00	0.00	0.00	
8/31/2015	Regular	RESIDENTIAL	Residential Wate	Water	170,102.00	182,715.00	12,613.00	12,613.00	0.00	0.00	
7/27/2015	Regular	RESIDENTIAL	Residential Wate	Water	159,927.00	170,102.00	10,175.00	10,175.00	0.00	0.00	

**Water Technology Associates
Douglas Roby
3501 Mesilla Hills Dr.
Las Cruces, NM 88005**

Service Requested by: Dona Ana Mutual Domestic
PO Box 866
Dona Ana, NM 88032

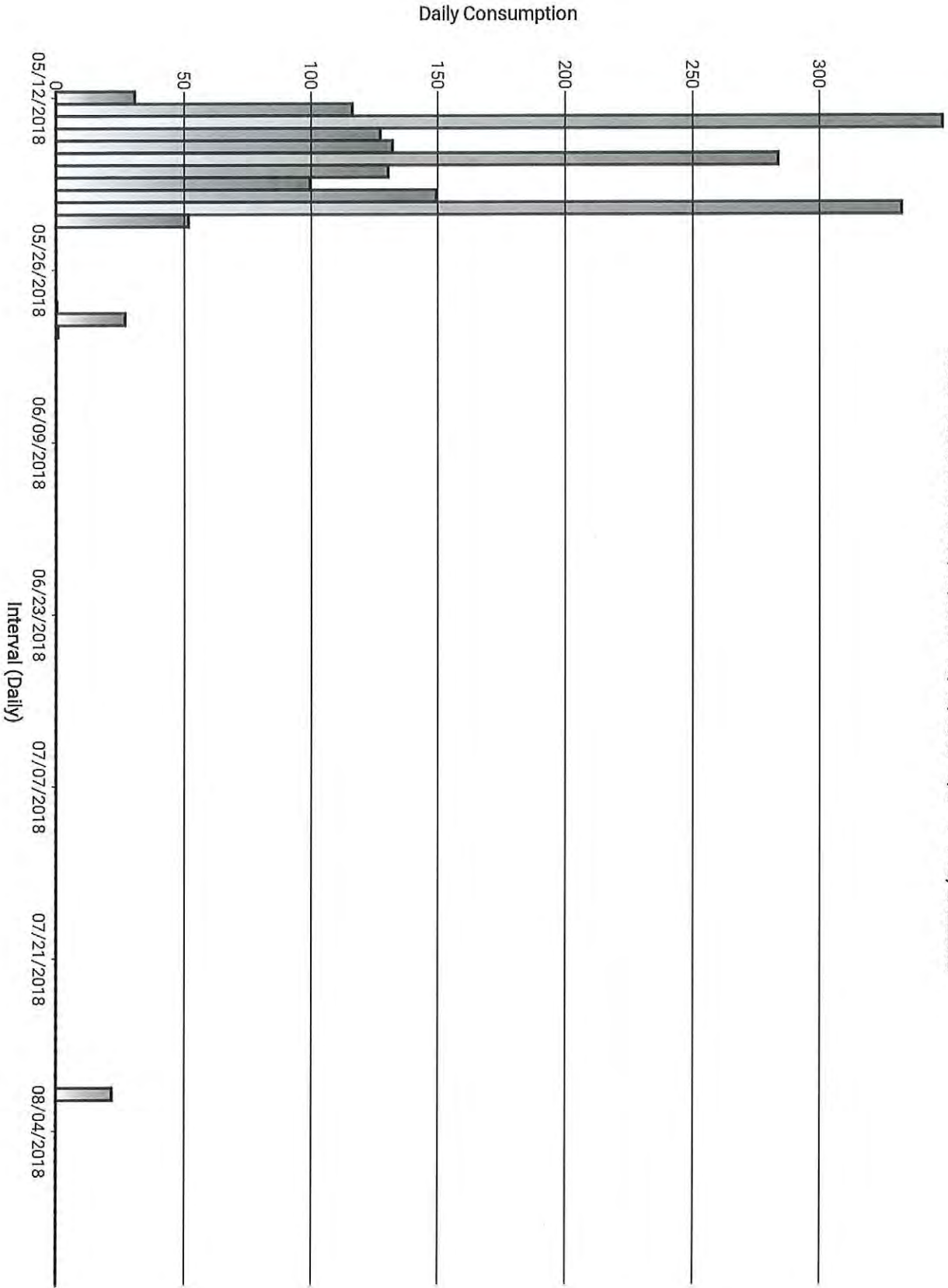
Invoice No. 18326
Date: 8/1/18

Service Performed on: 8/1/18 PO No. 190004

<u>Parameter</u>	<u>Test Results</u>	<u>Cost</u>
2600 Dona Ana Rd Space 14 Neptune 1850604775	no error @15 gpm no error @ 2 gpm	\$15.00

1% Fast means that for every 1000 gallons of water measured by the meter, the customer receives 990 gallons of water. 1% slow means that for every 1000 gallons of water measured, the customer receives 1010 gallons.

Data Logging Report
MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS



Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
05/12/2018 15:22	509221.5		Minor	Intermittent
05/12/2018 16:22	509223.3	1.8	Minor	Intermittent
05/12/2018 17:22	509230.5	7.2	Minor	Intermittent
05/12/2018 18:22	509233.1	2.6	Minor	Intermittent
05/12/2018 19:22	509235.3	2.2	Minor	Intermittent
05/12/2018 20:22	509237.7	2.4	Minor	Intermittent
05/12/2018 21:22	509248.1	10.4	Minor	Intermittent
05/12/2018 22:22	509249.9	1.8	Minor	Intermittent
05/12/2018 23:22	509252.0	2.1	Minor	Intermittent
05/13/2018 00:22	509253.7	1.7	Minor	Intermittent
05/13/2018 01:22	509261.1	7.4	Minor	Intermittent
05/13/2018 02:22	509262.3	1.2	Minor	Intermittent
05/13/2018 03:22	509264.1	1.8	Minor	Intermittent
05/13/2018 04:22	509265.9	1.8	Minor	Intermittent
05/13/2018 05:22	509267.6	1.7	Minor	Intermittent
05/13/2018 06:22	509274.6	7.0	Minor	Intermittent
05/13/2018 07:22	509278.6	4.0	Minor	Intermittent
05/13/2018 08:22	509282.5	3.9	Minor	Intermittent
05/13/2018 09:22	509306.3	23.8	Minor	Intermittent
05/13/2018 10:22	509326.1	19.8	Minor	Intermittent
05/13/2018 11:22	509327.3	1.2	Minor	Intermittent
05/13/2018 12:22	509336.0	8.7	Minor	Intermittent
05/13/2018 13:22	509337.5	1.5	Minor	Intermittent
05/13/2018 14:22	509339.2	1.7	Minor	Intermittent
05/13/2018 15:22	509340.4	1.2	Minor	Intermittent
05/13/2018 16:22	509342.1	1.7	Minor	Intermittent
05/13/2018 17:22	509345.3	3.2	Minor	Intermittent
05/13/2018 18:22	509351.8	6.5	Minor	Intermittent
05/13/2018 19:22	509353.5	1.7	Minor	Intermittent
05/13/2018 20:22	509360.2	6.7	Minor	Intermittent
05/13/2018 21:22	509364.6	4.4	Minor	Intermittent
05/13/2018 22:22	509366.3	1.7	Minor	Intermittent
05/13/2018 23:22	509368.1	1.8	Minor	Intermittent
05/14/2018 00:22	509369.3	1.2	Minor	Intermittent
05/14/2018 01:22	509371.0	1.7	Minor	Intermittent
05/14/2018 02:22	509377.8	6.8	Minor	Intermittent
05/14/2018 03:22	509379.6	1.8	Minor	Intermittent
05/14/2018 04:22	509382.8	3.2	Minor	Intermittent
05/14/2018 05:22	509384.0	1.2	Minor	Intermittent
05/14/2018 06:22	509415.1	31.1	Minor	Intermittent
05/14/2018 07:22	509453.8	38.7	Minor	Intermittent
05/14/2018 08:22	509486.3	32.5	Minor	Intermittent
05/14/2018 09:22	509514.5	28.2	Minor	Intermittent
05/14/2018 10:22	509545.3	30.8	Minor	Intermittent
05/14/2018 11:22	509582.3	37.0	Minor	Intermittent
05/14/2018 12:22	509588.4	6.1	Minor	Intermittent
05/14/2018 13:22	509617.5	29.1	Minor	Intermittent
05/14/2018 14:22	509648.5	31.0	Minor	Intermittent
05/14/2018 15:22	509650.3	1.8	Minor	Intermittent
05/14/2018 16:22	509682.1	31.8	Minor	Intermittent
05/14/2018 17:22	509683.7	1.6	Minor	Intermittent
05/14/2018 18:22	509697.3	13.6	Minor	Intermittent
05/14/2018 19:22	509704.6	7.3	Minor	Intermittent
05/14/2018 20:22	509706.3	1.7	Minor	Intermittent
05/14/2018 21:22	509713.9	7.6	Minor	Intermittent
05/14/2018 22:22	509715.1	1.2	Minor	Intermittent
05/14/2018 23:22	509716.2	1.1	Minor	Intermittent
05/15/2018 00:22	509723.0	6.8	Minor	Intermittent
05/15/2018 01:22	509724.7	1.7	Minor	Intermittent

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
05/15/2018 02:22	509725.9	1.2	Minor	Intermittent
05/15/2018 03:22	509727.1	1.2	Minor	Intermittent
05/15/2018 04:22	509728.2	1.1	Minor	Intermittent
05/15/2018 05:22	509754.1	25.9	Minor	Intermittent
05/15/2018 06:22	509765.6	11.5	Minor	Intermittent
05/15/2018 07:22	509771.3	5.7	Minor	Intermittent
05/15/2018 08:22	509806.9	35.6	Minor	Intermittent
05/15/2018 09:22	509812.4	5.5	Minor	Intermittent
05/15/2018 10:22	509813.6	1.2	Minor	Intermittent
05/15/2018 11:22	509814.7	1.1	Minor	Intermittent
05/15/2018 12:22	509815.8	1.1	Minor	Intermittent
05/15/2018 13:22	509823.5	7.7	Minor	Intermittent
05/15/2018 14:22	509824.7	1.2	Minor	Intermittent
05/15/2018 15:22	509825.9	1.2	Minor	Intermittent
05/15/2018 16:22	509829.3	3.4	Minor	Intermittent
05/15/2018 17:22	509830.4	1.1	Minor	Intermittent
05/15/2018 18:22	509834.1	3.7	Minor	Intermittent
05/15/2018 19:22	509836.1	2.0	Minor	Intermittent
05/15/2018 20:22	509837.2	1.1	Minor	Intermittent
05/15/2018 21:22	509841.0	3.8	Minor	Intermittent
05/15/2018 22:22	509842.2	1.2	Minor	Intermittent
05/15/2018 23:22	509843.3	1.1	Minor	Intermittent
05/16/2018 00:22	509844.4	1.1	Minor	Intermittent
05/16/2018 01:22	509845.6	1.2	Minor	Intermittent
05/16/2018 02:22	509852.6	7.0	Minor	Intermittent
05/16/2018 03:22	509853.5	0.9	Minor	Intermittent
05/16/2018 04:22	509854.6	1.1	Minor	Intermittent
05/16/2018 05:22	509872.2*	17.6*	Minor*	Intermittent*
05/16/2018 06:22	509889.8	17.6*	Minor	Intermittent
05/16/2018 07:22	509894.7	4.9	Minor	Intermittent
05/16/2018 08:22	509935.2	40.5	Minor	Intermittent
05/16/2018 09:22	509936.4	1.2	Minor	Intermittent
05/16/2018 10:22	509939.9	3.5	Minor	Intermittent
05/16/2018 11:22	509941.2	1.3	Minor	Intermittent
05/16/2018 12:22	509942.4	1.2	Minor	Intermittent
05/16/2018 13:22	509942.9	0.5	Minor	Intermittent
05/16/2018 14:22	509944.2	1.3	Minor	Intermittent
05/16/2018 15:22	509955.2	11.0	Minor	Intermittent
05/16/2018 16:22	509957.4	2.2	Minor	Intermittent
05/16/2018 17:22	509961.3	3.9	Minor	Intermittent
05/16/2018 18:22	509962.7	1.4	Minor	Intermittent
05/16/2018 19:22	509965.7	3.0	Minor	Intermittent
05/16/2018 20:22	509967.6	1.9	Minor	Intermittent
05/16/2018 21:22	509972.8	5.2	Minor	Intermittent
05/16/2018 22:22	509974.2	1.4	Minor	Intermittent
05/16/2018 23:22	509975.3	1.1	Minor	Intermittent
05/17/2018 00:22	509976.4	1.1	Minor	Intermittent
05/17/2018 01:22	509977.6	1.2	Minor	Intermittent
05/17/2018 02:22	509978.8	1.2	Minor	Intermittent
05/17/2018 03:22	509980.0	1.2	Minor	Intermittent
05/17/2018 04:22	509981.1	1.1	Minor	Intermittent
05/17/2018 05:22	509988.1	7.0	Minor	Intermittent
05/17/2018 06:22	510014.8	26.7	Minor	Intermittent
05/17/2018 07:22	510031.0	16.2	Minor	Intermittent
05/17/2018 08:22	510072.8	41.8	Minor	Intermittent
05/17/2018 09:22	510127.4	54.6	Minor	Intermittent
05/17/2018 10:22	510177.2	49.8	Minor	Intermittent
05/17/2018 11:22	510186.6	9.4	Minor	Intermittent
05/17/2018 12:22	510202.6	16.0	Minor	Intermittent

05/17/2018 13:22	Interval Reading	510208.7	6.1	Minor	Intermittent
05/17/2018 14:22	Interval Reading	510215.3	6.6	Minor	Intermittent
05/17/2018 15:22	Interval Reading	510216.8	1.5	Minor	Intermittent
05/17/2018 16:22	Interval Reading	510243.3	26.5	Minor	Intermittent
05/17/2018 17:22	Interval Reading	510244.6	1.3	Minor	Intermittent
05/17/2018 18:22	Interval Reading	510249.8	5.2	Minor	Intermittent
05/17/2018 19:22	Interval Reading	510250.9	1.1	Minor	Intermittent
05/17/2018 20:22	Interval Reading	510254.7	3.8	Minor	Intermittent
05/17/2018 21:22	Interval Reading	510256.8	2.1	Minor	Intermittent
05/17/2018 22:22	Interval Reading	510257.9	1.1	Minor	Intermittent
05/17/2018 23:22	Interval Reading	510259.0	1.1	Minor	Intermittent
05/18/2018 00:22	Interval Reading	510260.2	1.2	Minor	Intermittent
05/18/2018 01:22	Interval Reading	510267.0	6.8	Minor	Intermittent
05/18/2018 02:22	Interval Reading	510268.1	1.1	Minor	Intermittent
05/18/2018 03:22	Interval Reading	510269.2	1.1	Minor	Intermittent
05/18/2018 04:22	Interval Reading	510270.4	1.2	Minor	Intermittent
05/18/2018 05:22	Interval Reading	510276.7	6.3	Minor	Intermittent
05/18/2018 06:22	Interval Reading	510282.9	6.2	Minor	Intermittent
05/18/2018 07:22	Interval Reading	510290.1	7.2	Minor	Intermittent
05/18/2018 08:22	Interval Reading	510298.5	8.4	Minor	Intermittent
05/18/2018 09:22	Interval Reading	510345.3	46.8	Minor	Intermittent
05/18/2018 10:22	Interval Reading	510347.0	1.7	Minor	Intermittent
05/18/2018 11:22	Interval Reading	510355.0	8.0	Minor	Intermittent
05/18/2018 12:22	Interval Reading	510358.2	3.2	Minor	Intermittent
05/18/2018 13:22	Interval Reading	510359.3	1.1	Minor	Intermittent
05/18/2018 14:22	Interval Reading	510360.4	1.1	Minor	Intermittent
05/18/2018 15:22	Interval Reading	510366.3	5.9	Minor	Intermittent
05/18/2018 16:22	Interval Reading	510371.9	5.6	Minor	Intermittent
05/18/2018 17:22	Interval Reading	510375.7	3.8	Minor	Intermittent
05/18/2018 18:22	Interval Reading	510381.1	5.4	Minor	Intermittent
05/18/2018 19:22	Interval Reading	510382.2	1.1	Minor	Intermittent
05/18/2018 20:22	Interval Reading	510383.7	1.5	Minor	Intermittent
05/18/2018 21:22	Interval Reading	510387.0	3.3	Minor	Intermittent
05/18/2018 22:22	Interval Reading	510388.6	1.6	Minor	Intermittent
05/18/2018 23:22	Interval Reading	510389.2	0.6	Minor	Intermittent
05/19/2018 00:22	Interval Reading	510390.4	1.2	Minor	Intermittent
05/19/2018 01:22	Interval Reading	510391.5	1.1	Minor	Intermittent
05/19/2018 02:22	Interval Reading	510392.1	0.6	Minor	Intermittent
05/19/2018 03:22	Interval Reading	510393.3	1.2	Minor	Intermittent
05/19/2018 04:22	Interval Reading	510394.4	1.1	Minor	Intermittent
05/19/2018 05:22	Interval Reading	510400.7	6.3	Minor	Intermittent
05/19/2018 06:22	Interval Reading	510424.4	23.7	Minor	Intermittent
05/19/2018 07:22	Interval Reading	510432.4	8.0	Minor	Intermittent
05/19/2018 08:22	Interval Reading	510436.3	3.9	Minor	Intermittent
05/19/2018 09:22	Interval Reading	510446.3	10.0	Minor	Intermittent
05/19/2018 10:22	Interval Reading	510457.6	11.3	Minor	Intermittent
05/19/2018 11:22	Interval Reading	510458.1	0.5	Minor	Intermittent
05/19/2018 12:22	Interval Reading	510459.3	1.2	Minor	Intermittent
05/19/2018 13:22	Interval Reading	510460.0	0.7	Minor	Intermittent
05/19/2018 14:22	Interval Reading	510461.0	1.0	Minor	Intermittent
05/19/2018 15:22	Interval Reading	510467.4	6.4	Minor	Intermittent
05/19/2018 16:22	Interval Reading	510470.6	3.2	Minor	Intermittent
05/19/2018 17:22	Interval Reading	510472.1	1.5	Minor	Intermittent
05/19/2018 18:22	Interval Reading	510473.5	1.4	Minor	Intermittent
05/19/2018 19:22	Interval Reading	510474.6	1.1	Minor	Intermittent
05/19/2018 20:22	Interval Reading	510477.4	2.8	Minor	Intermittent
05/19/2018 21:22	Interval Reading	510483.3	5.9	Minor	Intermittent
05/19/2018 22:22	Interval Reading	510484.9	1.6	Minor	Intermittent
05/19/2018 23:22	Interval Reading	510488.7	3.8	Minor	Intermittent
05/17/2018 13:22	Reverse Flow			Minor	Intermittent
05/17/2018 13:22	Interval Consumption			Minor	Intermittent
05/17/2018 13:22	Reverse Flow			Minor	Intermittent

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Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
05/20/2018 00:22	510489.3	0.6	Minor	Intermittent
05/20/2018 01:22	510490.4	1.1	Minor	Intermittent
05/20/2018 02:22	510491.0	0.6	Minor	Intermittent
05/20/2018 03:22	510492.1	1.1	Minor	Intermittent
05/20/2018 04:22	510492.7	0.6	Minor	Intermittent
05/20/2018 05:22	510501.5	8.8	Minor	Intermittent
05/20/2018 06:22	510503.9	2.4	Minor	Intermittent
05/20/2018 07:22	510508.2	4.3	Minor	Intermittent
05/20/2018 08:22	510543.9	35.7	Minor	Intermittent
05/20/2018 09:22	510558.8	14.9	Minor	Intermittent
05/20/2018 10:22	510597.8	39.0	Minor	Intermittent
05/20/2018 11:22	510598.4	0.6	Minor	Intermittent
05/20/2018 12:22	510601.1	2.7	Minor	Intermittent
05/20/2018 13:22	510602.6	1.5	Minor	Intermittent
05/20/2018 14:22	510608.8	6.2	Minor	Intermittent
05/20/2018 15:22	510609.4	0.6	Minor	Intermittent
05/20/2018 16:22	510610.6	1.2	Minor	Intermittent
05/20/2018 17:22	510613.0	2.4	Minor	Intermittent
05/20/2018 18:22	510627.9	14.9	Minor	Intermittent
05/20/2018 19:22	510629.0	1.1	Minor	Intermittent
05/20/2018 20:22	510631.2*	2.2*	Minor*	Intermittent*
05/20/2018 21:22	510633.3	2.1*	Minor	Intermittent
05/20/2018 22:22	510637.4	4.1	Minor	Intermittent
05/20/2018 23:22	510637.9	0.5	Minor	Intermittent
05/21/2018 00:22	510638.8*	0.9*	Minor*	Intermittent*
05/21/2018 01:22	510639.6	0.8*	Minor	Intermittent
05/21/2018 02:22	510640.8	1.2	Minor	Intermittent
05/21/2018 03:22	510641.9	1.1	Minor	Intermittent
05/21/2018 04:22	510648.1	6.2	Minor	Intermittent
05/21/2018 05:22	510649.3	1.2	Minor	Intermittent
05/21/2018 06:22	510682.1	32.8	Minor	Intermittent
05/21/2018 07:22	510721.9	39.8	Minor	Intermittent
05/21/2018 08:22	510723.2	1.3	Minor	Intermittent
05/21/2018 09:22	510757.8	34.6	Minor	Intermittent
05/21/2018 10:22	510795.7	37.9	Minor	Intermittent
05/21/2018 11:22	510829.4	33.7	Minor	Intermittent
05/21/2018 12:22	510855.5	26.1	Minor	Intermittent
05/21/2018 13:22	510889.5	34.0	Minor	Intermittent
05/21/2018 14:22	510895.0	5.5	Minor	Intermittent
05/21/2018 15:22	510927.0	32.0	Minor	Intermittent
05/21/2018 16:22	510930.2	3.2	Minor	Intermittent
05/21/2018 17:22	510936.8	6.6	Minor	Intermittent
05/21/2018 18:22	510942.7	5.9	Minor	Intermittent
05/21/2018 19:22	510948.4	5.7	Minor	Intermittent
05/21/2018 20:22	510968.0	19.6	Minor	Intermittent
05/21/2018 21:22	510968.7	0.7	Minor	Intermittent
05/21/2018 22:22	510969.8	1.1	Minor	Intermittent
05/21/2018 23:22	510970.3	0.5	Minor	Intermittent
05/22/2018 00:22	510971.5	1.2	Minor	Intermittent
05/22/2018 01:22	510977.7	6.2	Minor	Intermittent
05/22/2018 02:22	510978.8	1.1	Minor	Intermittent
05/22/2018 03:22	510979.4	0.6	Minor	Intermittent
05/22/2018 04:22	510982.5	3.1	Minor	Intermittent
05/22/2018 05:22	510985.1	2.6	Minor	Intermittent
05/22/2018 06:22	511002.1	17.0	Minor	Intermittent
05/22/2018 07:22	511006.2	4.1	Minor	Intermittent
05/22/2018 08:22	511018.8	12.6	Minor	Intermittent
05/22/2018 09:22	511022.0	3.2	Minor	Intermittent
05/22/2018 10:22	511021.9	-0.1	Minor	Intermittent

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Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
05/24/2018 22:22	511022.0	0.0	Minor	
05/24/2018 23:22	511022.0	0.0	Minor	
05/25/2018 00:22	511022.0	0.0	Minor	
05/25/2018 01:22	511022.0	0.0	Minor	
05/25/2018 02:22	511022.0	0.0	Minor	
05/25/2018 03:22	511022.0	0.0	Minor	
05/25/2018 04:22	511022.0	0.0	Minor	
05/25/2018 05:22	511022.0	0.0	Minor	
05/25/2018 06:22	511022.0	0.0	Minor	
05/25/2018 07:22	511022.0	0.0	Minor	
05/25/2018 08:22	511022.0	0.0	Minor	
05/25/2018 09:22	511022.0	0.0	Minor	
05/25/2018 10:22	511022.0	0.0	Minor	
05/25/2018 11:22	511022.0	0.0	Minor	
05/25/2018 12:22	511022.0	0.0	Minor	
05/25/2018 13:22	511022.0	0.0	Minor	
05/25/2018 14:22	511022.0	0.0	Minor	
05/25/2018 15:22	511022.0*	0.0*	Minor*	
05/25/2018 16:22	511022.0	0.0*	Minor	
05/25/2018 17:22	511022.0	0.0	Minor	
05/25/2018 18:22	511022.0	0.0	Minor	
05/25/2018 19:22	511022.0	0.0	Minor	
05/25/2018 20:22	511022.0	0.0	Minor	
05/25/2018 21:22	511022.0	0.0	Minor	
05/25/2018 22:22	511022.0	0.0	Minor	
05/25/2018 23:22	511022.0	0.0	Minor	
05/26/2018 00:22	511022.0	0.0	Minor	
05/26/2018 01:22	511022.0	0.0	Minor	
05/26/2018 02:22	511022.0	0.0	Minor	
05/26/2018 03:22	511022.0	0.0	Minor	
05/26/2018 04:22	511022.0	0.0	Minor	
05/26/2018 05:22	511022.0	0.0	Minor	
05/26/2018 06:22	511022.0	0.0	Minor	
05/26/2018 07:22	511022.0	0.0	Minor	
05/26/2018 08:22	511022.0	0.0	Minor	
05/26/2018 09:22	511022.0	0.0	Minor	
05/26/2018 10:22	511022.0	0.0	Minor	
05/26/2018 11:22	511022.0	0.0	Minor	
05/26/2018 12:22	511022.0	0.0	Minor	
05/26/2018 13:22	511022.0	0.0	Minor	
05/26/2018 14:22	511022.0	0.0	Minor	
05/26/2018 15:22	511022.0	0.0	Minor	
05/26/2018 16:22	511022.0	0.0	Minor	
05/26/2018 17:22	511022.0	0.0	Minor	
05/26/2018 18:22	511022.0	0.0	Minor	
05/26/2018 19:22	511022.0	0.0	Minor	
05/26/2018 20:22	511022.0	0.0	Minor	
05/26/2018 21:22	511022.0	0.0	Minor	
05/26/2018 22:22	511022.0	0.0	Minor	
05/26/2018 23:22	511022.0	0.0	Minor	
05/27/2018 00:22	511022.0	0.0	Minor	
05/27/2018 01:22	511022.0	0.0	Minor	
05/27/2018 02:22	511022.0	0.0	Minor	
05/27/2018 03:22	511022.0	0.0	Minor	
05/27/2018 04:22	511022.0	0.0	Minor	
05/27/2018 05:22	511022.0	0.0	Minor	
05/27/2018 06:22	511022.0	0.0	Minor	
05/27/2018 07:22	511022.0	0.0	Minor	
05/27/2018 08:22	511022.0	0.0	Minor	

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Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
05/27/2018 09:22	511022.0	0.0	Minor	
05/27/2018 10:22	511022.0	0.0	Minor	
05/27/2018 11:22	511022.0	0.0	Minor	
05/27/2018 12:22	511022.0	0.0	Minor	
05/27/2018 13:22	511022.0	0.0	Minor	
05/27/2018 14:22	511022.0	0.0	Minor	
05/27/2018 15:22	511022.0	0.0	Minor	
05/27/2018 16:22	511022.0	0.0	Minor	
05/27/2018 17:22	511022.0	0.0	Minor	
05/27/2018 18:22	511022.0	0.0	Minor	
05/27/2018 19:22	511022.0	0.0	Minor	
05/27/2018 20:22	511022.0	0.0	Minor	
05/27/2018 21:22	511022.0	0.0	Minor	
05/27/2018 22:22	511022.0	0.0	Minor	
05/27/2018 23:22	511022.0	0.0	Minor	
05/28/2018 00:22	511022.0	0.0	Minor	
05/28/2018 01:22	511022.0	0.0	Minor	
05/28/2018 02:22	511022.0	0.0	Minor	
05/28/2018 03:22	511022.0	0.0	Minor	
05/28/2018 04:22	511022.0	0.0	Minor	
05/28/2018 05:22	511022.0	0.0	Minor	
05/28/2018 06:22	511022.0	0.0	Minor	
05/28/2018 07:22	511022.0	0.0	Minor	
05/28/2018 08:22	511022.0	0.0	Minor	
05/28/2018 09:22	511022.0	0.0	Minor	
05/28/2018 10:22	511022.0	0.0	Minor	
05/28/2018 11:22	511022.0	0.0	Minor	
05/28/2018 12:22	511022.0	0.0	Minor	
05/28/2018 13:22	511022.0	0.0	Minor	
05/28/2018 14:22	511022.0	0.0	Minor	
05/28/2018 15:22	511022.0	0.0	Minor	
05/28/2018 16:22	511022.0	0.0	Minor	
05/28/2018 17:22	511022.0	0.0	Minor	
05/28/2018 18:22	511022.0	0.0	Minor	
05/28/2018 19:22	511022.0	0.0	Minor	
05/28/2018 20:22	511022.0	0.0	Minor	
05/28/2018 21:22	511022.0	0.0	Minor	
05/28/2018 22:22	511022.0	0.0	Minor	
05/28/2018 23:22	511022.0	0.0	Minor	
05/29/2018 00:22	511022.0	0.0	Minor	
05/29/2018 01:22	511022.0	0.0	Minor	
05/29/2018 02:22	511022.0	0.0	Minor	
05/29/2018 03:22	511022.0	0.0	Minor	
05/29/2018 04:22	511022.0	0.0	Minor	
05/29/2018 05:22	511022.0	0.0	Minor	
05/29/2018 06:22	511022.0	0.0	Minor	
05/29/2018 07:22	511022.0	0.0	Minor	
05/29/2018 08:22	511022.0	0.0	Minor	
05/29/2018 09:22	511022.0	0.0	Minor	
05/29/2018 10:22	511022.0	0.0	Minor	
05/29/2018 11:22	511022.1	0.1	Minor	
05/29/2018 12:22	511022.1	0.0	Minor	
05/29/2018 13:22	511022.1	0.0	Minor	
05/29/2018 14:22	511022.1	0.0	Minor	
05/29/2018 15:22	511022.1	0.0	Minor	
05/29/2018 16:22	511022.1	0.0	Minor	
05/29/2018 17:22	511022.1	0.0	Minor	
05/29/2018 18:22	511022.1	0.0	Minor	
05/29/2018 19:22	511022.1	0.0	Minor	

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Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
05/29/2018 20:22	511022.1	0.0	Minor	
05/29/2018 21:22	511022.1	0.0	Minor	
05/29/2018 22:22	511022.1	0.0	Minor	
05/29/2018 23:22	511022.1	0.0	Minor	
05/30/2018 00:22	511022.1	0.0	Minor	
05/30/2018 01:22	511022.1	0.0	Minor	
05/30/2018 02:22	511022.1	0.0	Minor	
05/30/2018 03:22	511022.1	0.0	Minor	
05/30/2018 04:22	511022.1	0.0	Minor	
05/30/2018 05:22	511022.1	0.0	Minor	
05/30/2018 06:22	511022.1	0.0	Minor	
05/30/2018 07:22	511022.1	0.0	Minor	
05/30/2018 08:22	511022.3	0.2	Minor	
05/30/2018 09:22	511022.3	0.0	Minor	
05/30/2018 10:22	511022.3*	0.0*	Minor*	
05/30/2018 11:22	511022.3	0.0*	Minor	
05/30/2018 12:22	511022.3	0.0	Minor	
05/30/2018 13:22	511048.6	26.3	Minor	
05/30/2018 14:22	511048.6	0.0	Minor	
05/30/2018 15:22	511048.6	0.0	Minor	
05/30/2018 16:22	511048.7	0.1	Minor	
05/30/2018 17:22	511048.7	0.0	Minor	
05/30/2018 18:22	511048.7	0.0	Minor	
05/30/2018 19:22	511048.7	0.0	Minor	
05/30/2018 20:22	511048.7	0.0	Minor	
05/30/2018 21:22	511048.7	0.0	Minor	
05/30/2018 22:22	511048.7	0.0	Minor	
05/30/2018 23:22	511048.7	0.0	Minor	
05/31/2018 00:22	511048.7	0.0	Minor	
05/31/2018 01:22	511048.7	0.0	Minor	
05/31/2018 02:22	511048.7	0.0	Minor	
05/31/2018 03:22	511048.7	0.0	Minor	
05/31/2018 04:22	511048.7	0.0	Minor	
05/31/2018 05:22	511048.7	0.0	Minor	
05/31/2018 06:22	511048.7	0.0	Minor	
05/31/2018 07:22	511048.7	0.0	Minor	
05/31/2018 08:22	511048.9	0.2	Minor	
05/31/2018 09:22	511048.9	0.0	Minor	
05/31/2018 10:22	511049.0	0.1	Minor	
05/31/2018 11:22	511049.2	0.2	Minor	
05/31/2018 12:22	511049.2	0.0	Minor	
05/31/2018 13:22	511049.2	0.0	Minor	
05/31/2018 14:22	511049.2	0.0	Minor	
05/31/2018 15:22	511049.2	0.0	Minor	
05/31/2018 16:22	511049.2	0.0	Minor	
05/31/2018 17:22	511049.2	0.0	Minor	
05/31/2018 18:22	511049.2	0.0	Minor	
05/31/2018 19:22	511049.2	0.0	Minor	
05/31/2018 20:22	511049.2	0.0	Minor	
05/31/2018 21:22	511049.2	0.0	Minor	
05/31/2018 22:22	511049.2	0.0	Minor	
05/31/2018 23:22	511049.2	0.0	Minor	
06/01/2018 00:22	511049.2	0.0	Minor	
06/01/2018 01:22	511049.2	0.0	Minor	
06/01/2018 02:22	511049.2	0.0	Minor	
06/01/2018 03:22	511049.2	0.0	Minor	
06/01/2018 04:22	511049.2	0.0	Minor	
06/01/2018 05:22	511049.2	0.0	Minor	
06/01/2018 06:22	511049.2	0.0	Minor	

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/01/2018 07:22	511049.2	0.0	Minor	
06/01/2018 08:22	511049.2	0.0	Minor	
06/01/2018 09:22	511049.2	0.0	Minor	
06/01/2018 10:22	511049.2	0.0	Minor	
06/01/2018 11:22	511049.2	0.0	Minor	
06/01/2018 12:22	511049.2	0.0	Minor	
06/01/2018 13:22	511049.2	0.0	Minor	
06/01/2018 14:22	511049.2	0.0	Minor	
06/01/2018 15:22	511049.2	0.0	Minor	
06/01/2018 16:22	511049.2	0.0	Minor	
06/01/2018 17:22	511049.2	0.0	Minor	
06/01/2018 18:22	511049.2	0.0	Minor	
06/01/2018 19:22	511049.2	0.0	Minor	
06/01/2018 20:22	511049.2	0.0	Minor	
06/01/2018 21:22	511049.2	0.0	Minor	
06/01/2018 22:22	511049.2	0.0	Minor	
06/01/2018 23:22	511049.2	0.0	Minor	
06/02/2018 00:22	511049.2	0.0	Minor	
06/02/2018 01:22	511049.2	0.0	Minor	
06/02/2018 02:22	511049.2	0.0	Minor	
06/02/2018 03:22	511049.2	0.0	Minor	
06/02/2018 04:22	511049.2	0.0	Minor	
06/02/2018 05:22	511049.2	0.0	Minor	
06/02/2018 06:22	511049.2	0.0	Minor	
06/02/2018 07:22	511049.2	0.0	Minor	
06/02/2018 08:22	511049.2	0.0	Minor	
06/02/2018 09:22	511049.2	0.0	Minor	
06/02/2018 10:22	511049.2	0.0	Minor	
06/02/2018 11:22	511049.2	0.0	Minor	
06/02/2018 12:22	511049.2	0.0	Minor	
06/02/2018 13:22	511049.2	0.0	Minor	
06/02/2018 14:22	511049.2	0.0	Minor	
06/02/2018 15:22	511049.2	0.0	Minor	
06/02/2018 16:22	511049.2	0.0	Minor	
06/02/2018 17:22	511049.2	0.0	Minor	
06/02/2018 18:22	511049.2	0.0	Minor	
06/02/2018 19:22	511049.2	0.0	Minor	
06/02/2018 20:22	511049.2	0.0	Minor	
06/02/2018 21:22	511049.2	0.0	Minor	
06/02/2018 22:22	511049.2	0.0	Minor	
06/02/2018 23:22	511049.2	0.0	Minor	
06/03/2018 00:22	511049.2	0.0	Minor	
06/03/2018 01:22	511049.2	0.0	Minor	
06/03/2018 02:22	511049.2	0.0	Minor	
06/03/2018 03:22	511049.2	0.0	Minor	
06/03/2018 04:22	511049.2	0.0	Minor	
06/03/2018 05:22	511049.2	0.0	Minor	
06/03/2018 06:22	511049.2	0.0	Minor	
06/03/2018 07:22	511049.2	0.0	Minor	
06/03/2018 08:22	511049.2	0.0	Minor	
06/03/2018 09:22	511049.2	0.0	Minor	
06/03/2018 10:22	511049.2	0.0	Minor	
06/03/2018 11:22	511049.2	0.0	Minor	
06/03/2018 12:22	511049.2	0.0	Minor	
06/03/2018 13:22	511049.2	0.0	Minor	
06/03/2018 14:22	511049.2	0.0	Minor	
06/03/2018 15:22	511049.2	0.0	Minor	
06/03/2018 16:22	511049.2	0.0	Minor	
06/03/2018 17:22	511049.2	0.0	Minor	

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Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/03/2018 18:22	511049.2	0.0	Minor	
06/03/2018 19:22	511049.2	0.0	Minor	
06/03/2018 20:22	511049.2	0.0	Minor	
06/03/2018 21:22	511049.2	0.0	Minor	
06/03/2018 22:22	511049.2	0.0	Minor	
06/03/2018 23:22	511049.2	0.0	Minor	
06/04/2018 00:22	511049.2	0.0	Minor	
06/04/2018 01:22	511049.2*	0.0*	Minor*	
06/04/2018 02:22	511049.2	0.0*	Minor	
06/04/2018 03:22	511049.2	0.0	Minor	
06/04/2018 04:22	511049.2	0.0	Minor	
06/04/2018 05:22	511049.2	0.0	Minor	
06/04/2018 06:22	511049.2	0.0	Minor	
06/04/2018 07:22	511049.2	0.0	Minor	
06/04/2018 08:22	511049.2	0.0	Minor	
06/04/2018 09:22	511049.2	0.0	Minor	
06/04/2018 10:22	511049.2	0.0	Minor	
06/04/2018 11:22	511049.2	0.0	Minor	
06/04/2018 12:22	511049.2	0.0	Minor	
06/04/2018 13:22	511049.2	0.0	Minor	
06/04/2018 14:22	511049.2	0.0	Minor	
06/04/2018 15:22	511049.2	0.0	Minor	
06/04/2018 16:22	511049.2	0.0	Minor	
06/04/2018 17:22	511049.2	0.0	Minor	
06/04/2018 18:22	511049.2	0.0	Minor	
06/04/2018 19:22	511049.2	0.0	Minor	
06/04/2018 20:22	511049.2	0.0	Minor	
06/04/2018 21:22	511049.2	0.0	Minor	
06/04/2018 22:22	511049.2	0.0	Minor	
06/04/2018 23:22	511049.2	0.0	Minor	
06/05/2018 00:22	511049.2	0.0	Minor	
06/05/2018 01:22	511049.2	0.0	Minor	
06/05/2018 02:22	511049.2	0.0	Minor	
06/05/2018 03:22	511049.2	0.0	Minor	
06/05/2018 04:22	511049.2	0.0	Minor	
06/05/2018 05:22	511049.2	0.0	Minor	
06/05/2018 06:22	511049.2	0.0	Minor	
06/05/2018 07:22	511049.2	0.0	Minor	
06/05/2018 08:22	511049.2	0.0	Minor	
06/05/2018 09:22	511049.2	0.0	Minor	
06/05/2018 10:22	511049.2	0.0	Minor	
06/05/2018 11:22	511049.2	0.0	Minor	
06/05/2018 12:22	511049.2	0.0	Minor	
06/05/2018 13:22	511049.2	0.0	Minor	
06/05/2018 14:22	511049.2	0.0	Minor	
06/05/2018 15:22	511049.2	0.0	Minor	
06/05/2018 16:22	511049.2	0.0	Minor	
06/05/2018 17:22	511049.2	0.0	Minor	
06/05/2018 18:22	511049.2	0.0	Minor	
06/05/2018 19:22	511049.2	0.0	Minor	
06/05/2018 20:22	511049.2	0.0	Minor	
06/05/2018 21:22	511049.2	0.0	Minor	
06/05/2018 22:22	511049.2	0.0	Minor	
06/05/2018 23:22	511049.2	0.0	Minor	
06/06/2018 00:22	511049.2	0.0	Minor	
06/06/2018 01:22	511049.2	0.0	Minor	
06/06/2018 02:22	511049.2	0.0	Minor	
06/06/2018 03:22	511049.2	0.0	Minor	
06/06/2018 04:22	511049.2	0.0	Minor	

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/06/2018 05:22	511049.2	0.0	Minor	
06/06/2018 06:22	511049.2	0.0	Minor	
06/06/2018 07:22	511049.2	0.0	Minor	
06/06/2018 08:22	511049.2	0.0	Minor	
06/06/2018 09:22	511049.2	0.0	Minor	
06/06/2018 10:22	511049.2	0.0	Minor	
06/06/2018 11:22	511049.2	0.0	Minor	
06/06/2018 12:22	511049.2	0.0	Minor	
06/06/2018 13:22	511049.2	0.0	Minor	
06/06/2018 14:22	511049.2	0.0	Minor	
06/06/2018 15:22	511049.2	0.0	Minor	
06/06/2018 16:22	511049.2	0.0	Minor	
06/06/2018 17:22	511049.2	0.0	Minor	
06/06/2018 18:22	511049.2	0.0	Minor	
06/06/2018 19:22	511049.2	0.0	Minor	
06/06/2018 20:22	511049.2	0.0	Minor	
06/06/2018 21:22	511049.2	0.0	Minor	
06/06/2018 22:22	511049.2	0.0	Minor	
06/06/2018 23:22	511049.2	0.0	Minor	
06/07/2018 00:22	511049.2	0.0	Minor	
06/07/2018 01:22	511049.2	0.0	Minor	
06/07/2018 02:22	511049.2	0.0	Minor	
06/07/2018 03:22	511049.2	0.0	Minor	
06/07/2018 04:22	511049.2	0.0	Minor	
06/07/2018 05:22	511049.2	0.0	Minor	
06/07/2018 06:22	511049.2	0.0	Minor	
06/07/2018 07:22	511049.2	0.0	Minor	
06/07/2018 08:22	511049.2	0.0	Minor	
06/07/2018 09:22	511049.2	0.0	Minor	
06/07/2018 10:22	511049.2	0.0	Minor	
06/07/2018 11:22	511049.2	0.0	Minor	
06/07/2018 12:22	511049.2	0.0	Minor	
06/07/2018 13:22	511049.2	0.0	Minor	
06/07/2018 14:22	511049.2	0.0	Minor	
06/07/2018 15:22	511049.2	0.0	Minor	
06/07/2018 16:22	511049.2	0.0	Minor	
06/07/2018 17:22	511049.2	0.0	Minor	
06/07/2018 18:22	511049.2	0.0	Minor	
06/07/2018 19:22	511049.2	0.0	Minor	
06/07/2018 20:22	511049.2	0.0	Minor	
06/07/2018 21:22	511049.2	0.0	Minor	
06/07/2018 22:22	511049.2	0.0	Minor	
06/07/2018 23:22	511049.2	0.0	Minor	
06/08/2018 00:22	511049.2	0.0	Minor	
06/08/2018 01:22	511049.2	0.0	Minor	
06/08/2018 02:22	511049.2	0.0	Minor	
06/08/2018 03:22	511049.2	0.0	Minor	
06/08/2018 04:22	511049.2	0.0	Minor	
06/08/2018 05:22	511049.2	0.0	Minor	
06/08/2018 06:22	511049.2	0.0	Minor	
06/08/2018 07:22	511049.2	0.0	Minor	
06/08/2018 08:22	511049.2	0.0	Minor	
06/08/2018 09:22	511049.2	0.0	Minor	
06/08/2018 10:22	511049.2	0.0	Minor	
06/08/2018 11:22	511049.2	0.0	Minor	
06/08/2018 12:22	511049.2	0.0	Minor	
06/08/2018 13:22	511049.2	0.0	Minor	
06/08/2018 14:22	511049.2	0.0	Minor	
06/08/2018 15:22	511049.2	0.0	Minor	

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Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/08/2018 16:22	511049.2*	0.0*	Minor*	
06/08/2018 17:22	511049.2	0.0*	Minor	
06/08/2018 18:22	511049.2	0.0	Minor	
06/08/2018 19:22	511049.2	0.0	Minor	
06/08/2018 20:22	511049.2	0.0	Minor	
06/08/2018 21:22	511049.2	0.0	Minor	
06/08/2018 22:22	511049.2	0.0	Minor	
06/08/2018 23:22	511049.2	0.0	Minor	
06/09/2018 00:22	511049.2	0.0	Minor	
06/09/2018 01:22	511049.2	0.0	Minor	
06/09/2018 02:22	511049.2	0.0	Minor	
06/09/2018 03:22	511049.2	0.0	Minor	
06/09/2018 04:22	511049.2	0.0	Minor	
06/09/2018 05:22	511049.2	0.0	Minor	
06/09/2018 06:22	511049.2	0.0	Minor	
06/09/2018 07:22	511049.2	0.0	Minor	
06/09/2018 08:22	511049.2	0.0	Minor	
06/09/2018 09:22	511049.2	0.0	Minor	
06/09/2018 10:22	511049.2	0.0	Minor	
06/09/2018 11:22	511049.2	0.0	Minor	
06/09/2018 12:22	511049.2	0.0	Minor	
06/09/2018 13:22	511049.2	0.0	Minor	
06/09/2018 14:22	511049.2	0.0	Minor	
06/09/2018 15:22	511049.2	0.0	Minor	
06/09/2018 16:22	511049.2	0.0	Minor	
06/09/2018 17:22	511049.2	0.0	Minor	
06/09/2018 18:22	511049.2	0.0	Minor	
06/09/2018 19:22	511049.2	0.0	Minor	
06/09/2018 20:22	511049.2	0.0	Minor	
06/09/2018 21:22	511049.2	0.0	Minor	
06/09/2018 22:22	511049.2	0.0	Minor	
06/09/2018 23:22	511049.2	0.0	Minor	
06/10/2018 00:22	511049.2	0.0	Minor	
06/10/2018 01:22	511049.2	0.0	Minor	
06/10/2018 02:22	511049.2	0.0	Minor	
06/10/2018 03:22	511049.2	0.0	Minor	
06/10/2018 04:22	511049.2	0.0	Minor	
06/10/2018 05:22	511049.2	0.0	Minor	
06/10/2018 06:22	511049.2	0.0	Minor	
06/10/2018 07:22	511049.2	0.0	Minor	
06/10/2018 08:22	511049.2	0.0	Minor	
06/10/2018 09:22	511049.2	0.0	Minor	
06/10/2018 10:22	511049.2	0.0	Minor	
06/10/2018 11:22	511049.2	0.0	Minor	
06/10/2018 12:22	511049.2	0.0	Minor	
06/10/2018 13:22	511049.2	0.0	Minor	
06/10/2018 14:22	511049.2	0.0	Minor	
06/10/2018 15:22	511049.2	0.0	Minor	
06/10/2018 16:22	511049.2	0.0	Minor	
06/10/2018 17:22	511049.2	0.0	Minor	
06/10/2018 18:22	511049.2	0.0	Minor	
06/10/2018 19:22	511049.2	0.0	Minor	
06/10/2018 20:22	511049.2	0.0	Minor	
06/10/2018 21:22	511049.2	0.0	Minor	
06/10/2018 22:22	511049.2	0.0	Minor	
06/10/2018 23:22	511049.2	0.0	Minor	
06/11/2018 00:22	511049.2	0.0	Minor	
06/11/2018 01:22	511049.2	0.0	Minor	
06/11/2018 02:22	511049.2	0.0	Minor	

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/11/2018 03:22	511049.2	0.0	Minor	
06/11/2018 04:22	511049.2	0.0	Minor	
06/11/2018 05:22	511049.2	0.0	Minor	
06/11/2018 06:22	511049.2	0.0	Minor	
06/11/2018 07:22	511049.2	0.0	Minor	
06/11/2018 08:22	511049.2	0.0	Minor	
06/11/2018 09:22	511049.2	0.0	Minor	
06/11/2018 10:22	511049.2	0.0	Minor	
06/11/2018 11:22	511049.2	0.0	Minor	
06/11/2018 12:22	511049.2	0.0	Minor	
06/11/2018 13:22	511049.2	0.0	Minor	
06/11/2018 14:22	511049.2	0.0	Minor	
06/11/2018 15:22	511049.2	0.0	Minor	
06/11/2018 16:22	511049.2	0.0	Minor	
06/11/2018 17:22	511049.2	0.0	Minor	
06/11/2018 18:22	511049.2	0.0	Minor	
06/11/2018 19:22	511049.2	0.0	Minor	
06/11/2018 20:22	511049.2	0.0	Minor	
06/11/2018 21:22	511049.2	0.0	Minor	
06/11/2018 22:22	511049.2	0.0	Minor	
06/11/2018 23:22	511049.2	0.0	Minor	
06/12/2018 00:22	511049.2	0.0	Minor	
06/12/2018 01:22	511049.2	0.0	Minor	
06/12/2018 02:22	511049.2	0.0	Minor	
06/12/2018 03:22	511049.2	0.0	Minor	
06/12/2018 04:22	511049.2	0.0	Minor	
06/12/2018 05:22	511049.2	0.0	Minor	
06/12/2018 06:22	511049.2	0.0	Minor	
06/12/2018 07:22	511049.2	0.0	Minor	
06/12/2018 08:22	511049.2	0.0	Minor	
06/12/2018 09:22	511049.2	0.0	Minor	
06/12/2018 10:22	511049.2	0.0	Minor	
06/12/2018 11:22	511049.2	0.0	Minor	
06/12/2018 12:22	511049.2	0.0	Minor	
06/12/2018 13:22	511049.2	0.0	Minor	
06/12/2018 14:22	511049.2	0.0	Minor	
06/12/2018 15:22	511049.2	0.0	Minor	
06/12/2018 16:22	511049.2	0.0	Minor	
06/12/2018 17:22	511049.2	0.0	Minor	
06/12/2018 18:22	511049.2	0.0	Minor	
06/12/2018 19:22	511049.2	0.0	Minor	
06/12/2018 20:22	511049.2	0.0	Minor	
06/12/2018 21:22	511049.2	0.0	Minor	
06/12/2018 22:22	511049.2	0.0	Minor	
06/12/2018 23:22	511049.2	0.0	Minor	
06/13/2018 00:22	511049.2	0.0	Minor	
06/13/2018 01:22	511049.2	0.0	Minor	
06/13/2018 02:22	511049.2	0.0	Minor	
06/13/2018 03:22	511049.2	0.0	Minor	
06/13/2018 04:22	511049.2	0.0	Minor	
06/13/2018 05:22	511049.2	0.0	Minor	
06/13/2018 06:22	511049.2	0.0	Minor	
06/13/2018 07:22	511049.2	0.0	Minor	
06/13/2018 08:22	511049.2	0.0	Minor	
06/13/2018 09:22	511049.2	0.0	Minor	
06/13/2018 10:22	511049.2	0.0	Minor	
06/13/2018 11:22	511049.2	0.0	Minor	
06/13/2018 12:22	511049.2	0.0	Minor	
06/13/2018 13:22	511049.2	0.0	Minor	

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/13/2018 14:22	511049.2	0.0	Minor	
06/13/2018 15:22	511049.2	0.0	Minor	
06/13/2018 16:22	511049.2	0.0	Minor	
06/13/2018 17:22	511049.2	0.0	Minor	
06/13/2018 18:22	511049.2	0.0	Minor	
06/13/2018 19:22	511049.2	0.0	Minor	
06/13/2018 20:22	511049.2	0.0	Minor	
06/13/2018 21:22	511049.2	0.0	Minor	
06/13/2018 22:22	511049.2	0.0	Minor	
06/13/2018 23:22	511049.2	0.0	Minor	
06/14/2018 00:22	511049.2	0.0	Minor	
06/14/2018 01:22	511049.2	0.0	Minor	
06/14/2018 02:22	511049.2	0.0	Minor	
06/14/2018 03:22	511049.2	0.0	Minor	
06/14/2018 04:22	511049.2	0.0	Minor	
06/14/2018 05:22	511049.2	0.0	Minor	
06/14/2018 06:22	511049.2	0.0	Minor	
06/14/2018 07:22	511049.2	0.0	Minor	
06/14/2018 08:22	511049.2	0.0	Minor	
06/14/2018 09:22	511049.2	0.0	Minor	
06/14/2018 10:22	511049.2	0.0	Minor	
06/14/2018 11:22	511049.2	0.0	Minor	
06/14/2018 12:22	511049.2	0.0	Minor	
06/14/2018 13:22	511049.2	0.0	Minor	
06/14/2018 14:22	511049.2	0.0	Minor	
06/14/2018 15:22	511049.2	0.0	Minor	
06/14/2018 16:22	511049.2	0.0	Minor	
06/14/2018 17:22	511049.2	0.0	Minor	
06/14/2018 18:22	511049.2	0.0	Minor	
06/14/2018 19:22	511049.2	0.0	Minor	
06/14/2018 20:22	511049.2	0.0	Minor	
06/14/2018 21:22	511049.2	0.0	Minor	
06/14/2018 22:22	511049.2	0.0	Minor	
06/14/2018 23:22	511049.2	0.0	Minor	
06/15/2018 00:22	511049.2	0.0	Minor	
06/15/2018 01:22	511049.2	0.0	Minor	
06/15/2018 02:22	511049.2	0.0	Minor	
06/15/2018 03:22	511049.2	0.0	Minor	
06/15/2018 04:22	511049.2	0.0	Minor	
06/15/2018 05:22	511049.2	0.0	Minor	
06/15/2018 06:22	511049.2	0.0	Minor	
06/15/2018 07:22	511049.2	0.0	Minor	
06/15/2018 08:22	511049.2	0.0	Minor	
06/15/2018 09:22	511049.2	0.0	Minor	
06/15/2018 10:22	511049.2	0.0	Minor	
06/15/2018 11:22	511049.2	0.0	Minor	
06/15/2018 12:22	511049.2	0.0	Minor	
06/15/2018 13:22	511049.2	0.0	Minor	
06/15/2018 14:22	511049.2	0.0	Minor	
06/15/2018 15:22	511049.2	0.0	Minor	
06/15/2018 16:22	511049.2	0.0	Minor	
06/15/2018 17:22	511049.2	0.0	Minor	
06/15/2018 18:22	511049.2	0.0	Minor	
06/15/2018 19:22	511049.2	0.0	Minor	
06/15/2018 20:22	511049.2	0.0	Minor	
06/15/2018 21:22	511049.2	0.0	Minor	
06/15/2018 22:22	511049.2	0.0	Minor	
06/15/2018 23:22	511049.2	0.0	Minor	
06/16/2018 00:22	511049.2	0.0	Minor	

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/18/2018 12:22	511049.2	0.0	Minor	
06/18/2018 13:22	511049.2	0.0	Minor	
06/18/2018 14:22	511049.2	0.0	Minor	
06/18/2018 15:22	511049.2	0.0	Minor	
06/18/2018 16:22	511049.2	0.0	Minor	
06/18/2018 17:22	511049.2	0.0	Minor	
06/18/2018 18:22	511049.2	0.0	Minor	
06/18/2018 19:22	511049.2	0.0	Minor	
06/18/2018 20:22	511049.2	0.0	Minor	
06/18/2018 21:22	511049.2	0.0	Minor	
06/18/2018 22:22	511049.2	0.0	Minor	
06/18/2018 23:22	511049.2	0.0	Minor	
06/19/2018 00:22	511049.2	0.0	Minor	
06/19/2018 01:22	511049.2	0.0	Minor	
06/19/2018 02:22	511049.2	0.0	Minor	
06/19/2018 03:22	511049.2	0.0	Minor	
06/19/2018 04:22	511049.2	0.0	Minor	
06/19/2018 05:22	511049.2	0.0	Minor	
06/19/2018 06:22	511049.2	0.0	Minor	
06/19/2018 07:22	511049.2	0.0	Minor	
06/19/2018 08:22	511049.2	0.0	Minor	
06/19/2018 09:22	511049.2	0.0	Minor	
06/19/2018 10:22	511049.2	0.0	Minor	
06/19/2018 11:22	511049.2	0.0	Minor	
06/19/2018 12:22	511049.2	0.0	Minor	
06/19/2018 13:22	511049.2	0.0	Minor	
06/19/2018 14:22	511049.2	0.0	Minor	
06/19/2018 15:22	511049.2	0.0	Minor	
06/19/2018 16:22	511049.2	0.0	Minor	
06/19/2018 17:22	511049.2	0.0	Minor	
06/19/2018 18:22	511049.2	0.0	Minor	
06/19/2018 19:22	511049.2	0.0	Minor	
06/19/2018 20:22	511049.2	0.0	Minor	
06/19/2018 21:22	511049.2	0.0	Minor	
06/19/2018 22:22	511049.2	0.0	Minor	
06/19/2018 23:22	511049.2	0.0	Minor	
06/20/2018 00:22	511049.2	0.0	Minor	
06/20/2018 01:22	511049.2	0.0	Minor	
06/20/2018 02:22	511049.2	0.0	Minor	
06/20/2018 03:22	511049.2	0.0	Minor	
06/20/2018 04:22	511049.2	0.0	Minor	
06/20/2018 05:22	511049.2	0.0	Minor	
06/20/2018 06:22	511049.2	0.0	Minor	
06/20/2018 07:22	511049.2	0.0	Minor	
06/20/2018 08:22	511049.2	0.0	Minor	
06/20/2018 09:22	511049.2	0.0	Minor	
06/20/2018 10:22	511049.2	0.0	Minor	
06/20/2018 11:22	511049.2	0.0	Minor	
06/20/2018 12:22	511049.2	0.0	Minor	
06/20/2018 13:22	511049.2	0.0	Minor	
06/20/2018 14:22	511049.2	0.0	Minor	
06/20/2018 15:22	511049.2	0.0	Minor	
06/20/2018 16:22	511049.2	0.0	Minor	
06/20/2018 17:22	511049.2	0.0	Minor	
06/20/2018 18:22	511049.2	0.0	Minor	
06/20/2018 19:22	511049.2	0.0	Minor	
06/20/2018 20:22	511049.2	0.0	Minor	
06/20/2018 21:22	511049.2	0.0	Minor	
06/20/2018 22:22	511049.2	0.0	Minor	

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/20/2018 23:22	511049.2	0.0		
06/21/2018 00:22	511049.2	0.0		
06/21/2018 01:22	511049.2	0.0		
06/21/2018 02:22	511049.2	0.0		
06/21/2018 03:22	511049.2	0.0		
06/21/2018 04:22	511049.2	0.0		
06/21/2018 05:22	511049.2	0.0		
06/21/2018 06:22	511049.2	0.0		
06/21/2018 07:22	511049.2	0.0		
06/21/2018 08:22	511049.2	0.0		
06/21/2018 09:22	511049.2	0.0		
06/21/2018 10:22	511049.2	0.0		
06/21/2018 11:22	511049.2	0.0		
06/21/2018 12:22	511049.2	0.0		
06/21/2018 13:22	511049.2	0.0		
06/21/2018 14:22	511049.2	0.0		
06/21/2018 15:22	511049.2	0.0		
06/21/2018 16:22	511049.2	0.0		
06/21/2018 17:22	511049.2	0.0		
06/21/2018 18:22	511049.2	0.0		
06/21/2018 19:22	511049.2	0.0		
06/21/2018 20:22	511049.2	0.0		
06/21/2018 21:22	511049.2	0.0		
06/21/2018 22:22	511049.2	0.0		
06/21/2018 23:22	511049.2	0.0		
06/22/2018 00:22	511049.2	0.0		
06/22/2018 01:22	511049.2	0.0		
06/22/2018 02:22	511049.2	0.0		
06/22/2018 03:22	511049.2	0.0		
06/22/2018 04:22	511049.2	0.0		
06/22/2018 05:22	511049.2	0.0		
06/22/2018 06:22	511049.2	0.0		
06/22/2018 07:22	511049.2	0.0		
06/22/2018 08:22	511049.2	0.0		
06/22/2018 09:22	511049.2	0.0		
06/22/2018 10:22	511049.2	0.0		
06/22/2018 11:22	511049.2	0.0		
06/22/2018 12:22	511049.2	0.0		
06/22/2018 13:22	511049.2	0.0		
06/22/2018 14:22	511049.2	0.0		
06/22/2018 15:22	511049.2	0.0		
06/22/2018 16:22	511049.2	0.0		
06/22/2018 17:22	511049.2	0.0		
06/22/2018 18:22	511049.2	0.0		
06/22/2018 19:22	511049.2	0.0		
06/22/2018 20:22	511049.2	0.0		
06/22/2018 21:22	511049.2	0.0		
06/22/2018 22:22	511049.2	0.0		
06/22/2018 23:22	511049.2	0.0		
06/23/2018 00:22	511049.2	0.0		
06/23/2018 01:22	511049.2	0.0		
06/23/2018 02:22	511049.2	0.0		
06/23/2018 03:22	511049.2	0.0		
06/23/2018 04:22	511049.2	0.0		
06/23/2018 05:22	511049.2	0.0		
06/23/2018 06:22	511049.2	0.0		
06/23/2018 07:22	511049.2	0.0		
06/23/2018 08:22	511049.2	0.0		
06/23/2018 09:22	511049.2	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/23/2018 10:22	511049.2	0.0	Minor	
06/23/2018 11:22	511049.2	0.0	Minor	
06/23/2018 12:22	511049.2	0.0	Minor	
06/23/2018 13:22	511049.2	0.0	Minor	
06/23/2018 14:22	511049.2	0.0	Minor	
06/23/2018 15:22	511049.2	0.0	Minor	
06/23/2018 16:22	511049.2	0.0	Minor	
06/23/2018 17:22	511049.2	0.0	Minor	
06/23/2018 18:22	511049.2	0.0	Minor	
06/23/2018 19:22	511049.2	0.0	Minor	
06/23/2018 20:22	511049.2	0.0	Minor	
06/23/2018 21:22	511049.2	0.0	Minor	
06/23/2018 22:22	511049.2	0.0	Minor	
06/23/2018 23:22	511049.2	0.0	Minor	
06/24/2018 00:22	511049.2	0.0	Minor	
06/24/2018 01:22	511049.2	0.0	Minor	
06/24/2018 02:22	511049.2	0.0	Minor	
06/24/2018 03:22	511049.2	0.0	Minor	
06/24/2018 04:22	511049.2	0.0	Minor	
06/24/2018 05:22	511049.2	0.0	Minor	
06/24/2018 06:22	511049.2	0.0	Minor	
06/24/2018 07:22	511049.2	0.0	Minor	
06/24/2018 08:22	511049.2	0.0	Minor	
06/24/2018 09:22	511049.2	0.0	Minor	
06/24/2018 10:22	511049.2	0.0	Minor	
06/24/2018 11:22	511049.2	0.0	Minor	
06/24/2018 12:22	511049.2	0.0	Minor	
06/24/2018 13:22	511049.2	0.0	Minor	
06/24/2018 14:22	511049.2	0.0	Minor	
06/24/2018 15:22	511049.2	0.0	Minor	
06/24/2018 16:22	511049.2	0.0	Minor	
06/24/2018 17:22	511049.2	0.0	Minor	
06/24/2018 18:22	511049.2	0.0	Minor	
06/24/2018 19:22	511049.2	0.0	Minor	
06/24/2018 20:22	511049.2	0.0	Minor	
06/24/2018 21:22	511049.2	0.0	Minor	
06/24/2018 22:22	511049.2	0.0	Minor	
06/24/2018 23:22	511049.2	0.0	Minor	
06/25/2018 00:22	511049.2	0.0	Minor	
06/25/2018 01:22	511049.2	0.0	Minor	
06/25/2018 02:22	511049.2	0.0	Minor	
06/25/2018 03:22	511049.2	0.0	Minor	
06/25/2018 04:22	511049.2	0.0	Minor	
06/25/2018 05:22	511049.2	0.0	Minor	
06/25/2018 06:22	511049.2	0.0	Minor	
06/25/2018 07:22	511049.2	0.0	Minor	
06/25/2018 08:22	511049.2	0.0	Minor	
06/25/2018 09:22	511049.2	0.0	Minor	
06/25/2018 10:22	511049.2	0.0	Minor	
06/25/2018 11:22	511049.2	0.0	Minor	
06/25/2018 12:22	511049.2	0.0	Minor	
06/25/2018 13:22	511049.2	0.0	Minor	
06/25/2018 14:22	511049.2	0.0	Minor	
06/25/2018 15:22	511049.2	0.0	Minor	
06/25/2018 16:22	511049.2	0.0	Minor	
06/25/2018 17:22	511049.2	0.0	Minor	
06/25/2018 18:22	511049.2	0.0	Minor	
06/25/2018 19:22	511049.2	0.0	Minor	
06/25/2018 20:22	511049.2	0.0	Minor	

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/25/2018 21:22	511049.2	0.0		
06/25/2018 22:22	511049.2	0.0		
06/25/2018 23:22	511049.2	0.0		
06/26/2018 00:22	511049.2	0.0		
06/26/2018 01:22	511049.2	0.0		
06/26/2018 02:22	511049.2	0.0		
06/26/2018 03:22	511049.2	0.0		
06/26/2018 04:22	511049.2	0.0		
06/26/2018 05:22	511049.2	0.0		
06/26/2018 06:22	511049.2	0.0		
06/26/2018 07:22	511049.2	0.0		
06/26/2018 08:22	511049.2	0.0		
06/26/2018 09:22	511049.2	0.0		
06/26/2018 10:22	511049.2	0.0		
06/26/2018 11:22	511049.2	0.0		
06/26/2018 12:22	511049.2	0.0		
06/26/2018 13:22	511049.2	0.0		
06/26/2018 14:22	511049.2	0.0		
06/26/2018 15:22	511049.2	0.0		
06/26/2018 16:22	511049.2	0.0		
06/26/2018 17:22	511049.2	0.0		
06/26/2018 18:22	511049.2	0.0		
06/26/2018 19:22	511049.2	0.0		
06/26/2018 20:22	511049.2	0.0	Minor	
06/26/2018 21:22	511049.2	0.0	Minor	
06/26/2018 22:22	511049.2	0.0		
06/26/2018 23:22	511049.2	0.0		
06/27/2018 00:22	511049.2	0.0		
06/27/2018 01:22	511049.2	0.0		
06/27/2018 02:22	511049.2	0.0		
06/27/2018 03:22	511049.2	0.0		
06/27/2018 04:22	511049.2	0.0		
06/27/2018 05:22	511049.2	0.0		
06/27/2018 06:22	511049.2	0.0		
06/27/2018 07:22	511049.2	0.0		
06/27/2018 08:22	511049.2	0.0		
06/27/2018 09:22	511049.2	0.0		
06/27/2018 10:22	511049.2	0.0		
06/27/2018 11:22	511049.2	0.0		
06/27/2018 12:22	511049.2	0.0		
06/27/2018 13:22	511049.2	0.0		
06/27/2018 14:22	511049.2	0.0		
06/27/2018 15:22	511049.2	0.0		
06/27/2018 16:22	511049.2	0.0		
06/27/2018 17:22	511049.2	0.0		
06/27/2018 18:22	511049.2	0.0		
06/27/2018 19:22	511049.2	0.0		
06/27/2018 20:22	511049.2	0.0		
06/27/2018 21:22	511049.2	0.0		
06/27/2018 22:22	511049.2	0.0		
06/27/2018 23:22	511049.2	0.0		
06/28/2018 00:22	511049.2	0.0		
06/28/2018 01:22	511049.2	0.0		
06/28/2018 02:22	511049.2	0.0		
06/28/2018 03:22	511049.2	0.0		
06/28/2018 04:22	511049.2	0.0		
06/28/2018 05:22	511049.2	0.0		
06/28/2018 06:22	511049.2	0.0		
06/28/2018 07:22	511049.2	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/28/2018 08:22	511049.2	0.0		
06/28/2018 09:22	511049.2	0.0		
06/28/2018 10:22	511049.2	0.0		
06/28/2018 11:22	511049.2	0.0		
06/28/2018 12:22	511049.2	0.0		
06/28/2018 13:22	511049.2	0.0		
06/28/2018 14:22	511049.2	0.0		
06/28/2018 15:22	511049.2	0.0		
06/28/2018 16:22	511049.2	0.0		
06/28/2018 17:22	511049.2	0.0		
06/28/2018 18:22	511049.2	0.0		
06/28/2018 19:22	511049.2	0.0		
06/28/2018 20:22	511049.2	0.0		
06/28/2018 21:22	511049.2	0.0		
06/28/2018 22:22	511049.2	0.0		
06/28/2018 23:22	511049.2	0.0		
06/29/2018 00:22	511049.2	0.0		
06/29/2018 01:22	511049.2	0.0		
06/29/2018 02:22	511049.2	0.0		
06/29/2018 03:22	511049.2	0.0		
06/29/2018 04:22	511049.2	0.0		
06/29/2018 05:22	511049.2	0.0		
06/29/2018 06:22	511049.2	0.0		
06/29/2018 07:22	511049.2	0.0		
06/29/2018 08:22	511049.2	0.0		
06/29/2018 09:22	511049.2	0.0		
06/29/2018 10:22	511049.2	0.0		
06/29/2018 11:22	511049.2	0.0		
06/29/2018 12:22	511049.2	0.0		
06/29/2018 13:22	511049.2	0.0		
06/29/2018 14:22	511049.2	0.0		
06/29/2018 15:22	511049.2	0.0		
06/29/2018 16:22	511049.2	0.0		
06/29/2018 17:22	511049.2	0.0		
06/29/2018 18:22	511049.2	0.0		
06/29/2018 19:22	511049.2	0.0		
06/29/2018 20:22	511049.2	0.0		
06/29/2018 21:22	511049.2	0.0		
06/29/2018 22:22	511049.2	0.0		
06/29/2018 23:22	511049.2	0.0		
06/30/2018 00:22	511049.2	0.0		
06/30/2018 01:22	511049.2	0.0		
06/30/2018 02:22	511049.2	0.0		
06/30/2018 03:22	511049.2	0.0		
06/30/2018 04:22	511049.2	0.0		
06/30/2018 05:22	511049.2	0.0		
06/30/2018 06:22	511049.2	0.0		
06/30/2018 07:22	511049.2	0.0		
06/30/2018 08:22	511049.2	0.0		
06/30/2018 09:22	511049.2	0.0		
06/30/2018 10:22	511049.2	0.0		
06/30/2018 11:22	511049.2	0.0		
06/30/2018 12:22	511049.2	0.0		
06/30/2018 13:22	511049.2	0.0		
06/30/2018 14:22	511049.2	0.0		
06/30/2018 15:22	511049.2	0.0		
06/30/2018 16:22	511049.2	0.0		
06/30/2018 17:22	511049.2	0.0		
06/30/2018 18:22	511049.2	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
06/30/2018 19:22	511049.2	0.0		
06/30/2018 20:22	511049.2	0.0		
06/30/2018 21:22	511049.2	0.0		
06/30/2018 22:22	511049.2	0.0		
06/30/2018 23:22	511049.2	0.0		
07/01/2018 00:22	511049.2	0.0		
07/01/2018 01:22	511049.2	0.0		
07/01/2018 02:22	511049.2	0.0		
07/01/2018 03:22	511049.2	0.0		
07/01/2018 04:22	511049.2	0.0		
07/01/2018 05:22	511049.2	0.0		
07/01/2018 06:22	511049.2	0.0		
07/01/2018 07:22	511049.2	0.0		
07/01/2018 08:22	511049.2	0.0		
07/01/2018 09:22	511049.2	0.0		
07/01/2018 10:22	511049.2	0.0		
07/01/2018 11:22	511049.2	0.0		
07/01/2018 12:22	511049.2	0.0		
07/01/2018 13:22	511049.2	0.0		
07/01/2018 14:22	511049.2	0.0		
07/01/2018 15:22	511049.2	0.0		
07/01/2018 16:22	511049.2	0.0		
07/01/2018 17:22	511049.2	0.0		
07/01/2018 18:22	511049.2	0.0		
07/01/2018 19:22	511049.2	0.0		
07/01/2018 20:22	511049.2	0.0		
07/01/2018 21:22	511049.2	0.0		
07/01/2018 22:22	511049.2	0.0		
07/01/2018 23:22	511049.2	0.0		
07/02/2018 00:22	511049.2	0.0		
07/02/2018 01:22	511049.2	0.0		
07/02/2018 02:22	511049.2	0.0		
07/02/2018 03:22	511049.2	0.0		
07/02/2018 04:22	511049.2	0.0		
07/02/2018 05:22	511049.2	0.0		
07/02/2018 06:22	511049.2	0.0		
07/02/2018 07:22	511049.2	0.0		
07/02/2018 08:22	511049.2	0.0		
07/02/2018 09:22	511049.2	0.0		
07/02/2018 10:22	511049.2	0.0		
07/02/2018 11:22	511049.2	0.0		
07/02/2018 12:22	511049.2	0.0		
07/02/2018 13:22	511049.2	0.0		
07/02/2018 14:22	511049.2	0.0		
07/02/2018 15:22	511049.2	0.0		
07/02/2018 16:22	511049.2	0.0		
07/02/2018 17:22	511049.2	0.0		
07/02/2018 18:22	511049.2	0.0		
07/02/2018 19:22	511049.2	0.0		
07/02/2018 20:22	511049.2	0.0		
07/02/2018 21:22	511049.2	0.0		
07/02/2018 22:22	511049.2	0.0		
07/02/2018 23:22	511049.2	0.0		
07/03/2018 00:22	511049.2	0.0		
07/03/2018 01:22	511049.2	0.0		
07/03/2018 02:22	511049.2	0.0		
07/03/2018 03:22	511049.2	0.0		
07/03/2018 04:22	511049.2	0.0		
07/03/2018 05:22	511049.2	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/03/2018 06:22	511049.2	0.0		
07/03/2018 07:22	511049.2	0.0		
07/03/2018 08:22	511049.2	0.0		
07/03/2018 09:22	511049.2	0.0		
07/03/2018 10:22	511049.2	0.0		
07/03/2018 11:22	511049.2	0.0		
07/03/2018 12:22	511049.2	0.0		
07/03/2018 13:22	511049.2	0.0		
07/03/2018 14:22	511049.2	0.0		
07/03/2018 15:22	511049.2	0.0		
07/03/2018 16:22	511049.2	0.0		
07/03/2018 17:22	511049.2	0.0		
07/03/2018 18:22	511049.2	0.0		
07/03/2018 19:22	511049.2	0.0		
07/03/2018 20:22	511049.2	0.0		
07/03/2018 21:22	511049.2	0.0		
07/03/2018 22:22	511049.2	0.0		
07/03/2018 23:22	511049.2	0.0		
07/04/2018 00:22	511049.2	0.0		
07/04/2018 01:22	511049.2	0.0		
07/04/2018 02:22	511049.2	0.0		
07/04/2018 03:22	511049.2	0.0		
07/04/2018 04:22	511049.2	0.0		
07/04/2018 05:22	511049.2	0.0		
07/04/2018 06:22	511049.2	0.0		
07/04/2018 07:22	511049.2	0.0		
07/04/2018 08:22	511049.2	0.0		
07/04/2018 09:22	511049.2	0.0		
07/04/2018 10:22	511049.2	0.0		
07/04/2018 11:22	511049.2	0.0		
07/04/2018 12:22	511049.2	0.0		
07/04/2018 13:22	511049.2	0.0		
07/04/2018 14:22	511049.2	0.0		
07/04/2018 15:22	511049.2	0.0		
07/04/2018 16:22	511049.2	0.0		
07/04/2018 17:22	511049.2	0.0		
07/04/2018 18:22	511049.2	0.0		
07/04/2018 19:22	511049.2	0.0		
07/04/2018 20:22	511049.2	0.0		
07/04/2018 21:22	511049.2	0.0		
07/04/2018 22:22	511049.2	0.0		
07/04/2018 23:22	511049.2	0.0		
07/05/2018 00:22	511049.2	0.0		
07/05/2018 01:22	511049.2	0.0		
07/05/2018 02:22	511049.2	0.0		
07/05/2018 03:22	511049.2	0.0		
07/05/2018 04:22	511049.2	0.0		
07/05/2018 05:22	511049.2	0.0		
07/05/2018 06:22	511049.2	0.0		
07/05/2018 07:22	511049.2	0.0		
07/05/2018 08:22	511049.2	0.0		
07/05/2018 09:22	511049.2	0.0		
07/05/2018 10:22	511049.2	0.0		
07/05/2018 11:22	511049.2	0.0		
07/05/2018 12:22	511049.2	0.0		
07/05/2018 13:22	511049.2	0.0		
07/05/2018 14:22	511049.2	0.0		
07/05/2018 15:22	511049.2	0.0		
07/05/2018 16:22	511049.2	0.0		

Data Logging Report MII#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/05/2018 17:22	511049.2	0.0		
07/05/2018 18:22	511049.2	0.0		
07/05/2018 19:22	511049.2	0.0		
07/05/2018 20:22	511049.2	0.0		
07/05/2018 21:22	511049.2	0.0		
07/05/2018 22:22	511049.2	0.0		
07/05/2018 23:22	511049.2	0.0		
07/06/2018 00:22	511049.2	0.0		
07/06/2018 01:22	511049.2	0.0		
07/06/2018 02:22	511049.2	0.0		
07/06/2018 03:22	511049.2	0.0		
07/06/2018 04:22	511049.2	0.0		
07/06/2018 05:22	511049.2	0.0		
07/06/2018 06:22	511049.2	0.0		
07/06/2018 07:22	511049.2*	0.0*		
07/06/2018 08:22	511049.2	0.0*		
07/06/2018 09:22	511049.2	0.0		
07/06/2018 10:22	511049.2	0.0		
07/06/2018 11:22	511049.2	0.0		
07/06/2018 12:22	511049.2	0.0		
07/06/2018 13:22	511049.2	0.0		
07/06/2018 14:22	511049.2*	0.0*		
07/06/2018 15:22	511049.2	0.0*		
07/06/2018 16:22	511049.2	0.0		
07/06/2018 17:22	511049.2	0.0		
07/06/2018 18:22	511049.2	0.0		
07/06/2018 19:22	511049.2	0.0		
07/06/2018 20:22	511049.2	0.0		
07/06/2018 21:22	511049.2	0.0		
07/06/2018 22:22	511049.2	0.0		
07/06/2018 23:22	511049.2	0.0		
07/07/2018 00:22	511049.2	0.0		
07/07/2018 01:22	511049.2	0.0		
07/07/2018 02:22	511049.2	0.0		
07/07/2018 03:22	511049.2	0.0		
07/07/2018 04:22	511049.2	0.0		
07/07/2018 05:22	511049.2	0.0		
07/07/2018 06:22	511049.2	0.0		
07/07/2018 07:22	511049.2	0.0		
07/07/2018 08:22	511049.2	0.0		
07/07/2018 09:22	511049.2	0.0		
07/07/2018 10:22	511049.2	0.0		
07/07/2018 11:22	511049.2	0.0		
07/07/2018 12:22	511049.2	0.0		
07/07/2018 13:22	511049.2	0.0		
07/07/2018 14:22	511049.2	0.0		
07/07/2018 15:22	511049.2	0.0		
07/07/2018 16:22	511049.2	0.0		
07/07/2018 17:22	511049.2	0.0		
07/07/2018 18:22	511049.2	0.0		
07/07/2018 19:22	511049.2	0.0		
07/07/2018 20:22	511049.2	0.0		
07/07/2018 21:22	511049.2	0.0		
07/07/2018 22:22	511049.2	0.0		
07/07/2018 23:22	511049.2	0.0		
07/08/2018 00:22	511049.2	0.0		
07/08/2018 01:22	511049.2	0.0		
07/08/2018 02:22	511049.2	0.0		
07/08/2018 03:22	511049.2	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/08/2018 04:22	511049.2	0.0		
07/08/2018 05:22	511049.2	0.0		
07/08/2018 06:22	511049.2	0.0		
07/08/2018 07:22	511049.2	0.0		
07/08/2018 08:22	511049.2	0.0		
07/08/2018 09:22	511049.2	0.0		
07/08/2018 10:22	511049.2	0.0		
07/08/2018 11:22	511049.2	0.0		
07/08/2018 12:22	511049.2	0.0		
07/08/2018 13:22	511049.2	0.0		
07/08/2018 14:22	511049.2	0.0		
07/08/2018 15:22	511049.2	0.0		
07/08/2018 16:22	511049.2	0.0		
07/08/2018 17:22	511049.2	0.0		
07/08/2018 18:22	511049.2	0.0		
07/08/2018 19:22	511049.2	0.0		
07/08/2018 20:22	511049.2	0.0		
07/08/2018 21:22	511049.2	0.0		
07/08/2018 22:22	511049.2	0.0		
07/08/2018 23:22	511049.2	0.0		
07/09/2018 00:22	511049.2	0.0		
07/09/2018 01:22	511049.2	0.0		
07/09/2018 02:22	511049.2	0.0		
07/09/2018 03:22	511049.2	0.0		
07/09/2018 04:22	511049.2	0.0		
07/09/2018 05:22	511049.2	0.0		
07/09/2018 06:22	511049.2	0.0		
07/09/2018 07:22	511049.2	0.0		
07/09/2018 08:22	511049.2	0.0		
07/09/2018 09:22	511049.2	0.0		
07/09/2018 10:22	511049.2	0.0		
07/09/2018 11:22	511049.2	0.0		
07/09/2018 12:22	511049.2	0.0		
07/09/2018 13:22	511049.2	0.0		
07/09/2018 14:22	511049.2	0.0		
07/09/2018 15:22	511049.2	0.0		
07/09/2018 16:22	511049.2	0.0		
07/09/2018 17:22	511049.2	0.0		
07/09/2018 18:22	511049.2	0.0		
07/09/2018 19:22	511049.2	0.0		
07/09/2018 20:22	511049.2	0.0		
07/09/2018 21:22	511049.2	0.0		
07/09/2018 22:22	511049.2	0.0		
07/09/2018 23:22	511049.2	0.0		
07/10/2018 00:22	511049.2	0.0		
07/10/2018 01:22	511049.2	0.0		
07/10/2018 02:22	511049.2	0.0		
07/10/2018 03:22	511049.2	0.0		
07/10/2018 04:22	511049.2	0.0		
07/10/2018 05:22	511049.2	0.0		
07/10/2018 06:22	511049.2	0.0		
07/10/2018 07:22	511049.2	0.0		
07/10/2018 08:22	511049.2	0.0		
07/10/2018 09:22	511049.2	0.0		
07/10/2018 10:22	511049.2	0.0		
07/10/2018 11:22	511049.2	0.0		
07/10/2018 12:22	511049.2	0.0		
07/10/2018 13:22	511049.2	0.0		
07/10/2018 14:22	511049.2	0.0		

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/10/2018 15:22	511049.2	0.0		
07/10/2018 16:22	511049.2	0.0		
07/10/2018 17:22	511049.2	0.0		
07/10/2018 18:22	511049.2	0.0		
07/10/2018 19:22	511049.2	0.0		
07/10/2018 20:22	511049.2	0.0		
07/10/2018 21:22	511049.2	0.0		
07/10/2018 22:22	511049.2	0.0		
07/10/2018 23:22	511049.2	0.0*		
07/11/2018 00:22	511049.2	0.0		
07/11/2018 01:22	511049.2	0.0		
07/11/2018 02:22	511049.2	0.0		
07/11/2018 03:22	511049.2	0.0		
07/11/2018 04:22	511049.2	0.0		
07/11/2018 05:22	511049.2	0.0		
07/11/2018 06:22	511049.2	0.0		
07/11/2018 07:22	511049.2	0.0		
07/11/2018 08:22	511049.2	0.0		
07/11/2018 09:22	511049.2*	0.0*		
07/11/2018 10:22	511049.2	0.0*		
07/11/2018 11:22	511049.2	0.0		
07/11/2018 12:22	511049.2	0.0		
07/11/2018 13:22	511049.2	0.0		
07/11/2018 14:22	511049.2	0.0		
07/11/2018 15:22	511049.2	0.0		
07/11/2018 16:22	511049.2	0.0		
07/11/2018 17:22	511049.2	0.0		
07/11/2018 18:22	511049.2	0.0		
07/11/2018 19:22	511049.2	0.0		
07/11/2018 20:22	511049.2	0.0		
07/11/2018 21:22	511049.2	0.0		
07/11/2018 22:22	511049.2	0.0		
07/11/2018 23:22	511049.2	0.0		
07/12/2018 00:22	511049.2	0.0		
07/12/2018 01:22	511049.2	0.0		
07/12/2018 02:22	511049.2	0.0		
07/12/2018 03:22	511049.2	0.0		
07/12/2018 04:22	511049.2	0.0		
07/12/2018 05:22	511049.2	0.0		
07/12/2018 06:22	511049.2	0.0		
07/12/2018 07:22	511049.2	0.0		
07/12/2018 08:22	511049.2	0.0		
07/12/2018 09:22	511049.2	0.0		
07/12/2018 10:22	511049.2	0.0		
07/12/2018 11:22	511049.2	0.0		
07/12/2018 12:22	511049.2	0.0		
07/12/2018 13:22	511049.2	0.0		
07/12/2018 14:22	511049.2	0.0		
07/12/2018 15:22	511049.2	0.0		
07/12/2018 16:22	511049.2	0.0		
07/12/2018 17:22	511049.2	0.0		
07/12/2018 18:22	511049.2	0.0		
07/12/2018 19:22	511049.2	0.0		
07/12/2018 20:22	511049.2	0.0		
07/12/2018 21:22	511049.2	0.0		
07/12/2018 22:22	511049.2	0.0		
07/12/2018 23:22	511049.2	0.0		
07/13/2018 00:22	511049.2	0.0		
07/13/2018 01:22	511049.2	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/13/2018 02:22	511049.2	0.0		
07/13/2018 03:22	511049.2	0.0		
07/13/2018 04:22	511049.2	0.0		
07/13/2018 05:22	511049.2	0.0		
07/13/2018 06:22	511049.2	0.0		
07/13/2018 07:22	511049.2	0.0		
07/13/2018 08:22	511049.2	0.0		
07/13/2018 09:22	511049.2	0.0		
07/13/2018 10:22	511049.2	0.0		
07/13/2018 11:22	511049.2	0.0		
07/13/2018 12:22	511049.2	0.0		
07/13/2018 13:22	511049.2	0.0		
07/13/2018 14:22	511049.2	0.0		
07/13/2018 15:22	511049.2	0.0		
07/13/2018 16:22	511049.2	0.0		
07/13/2018 17:22	511049.2	0.0		
07/13/2018 18:22	511049.2	0.0		
07/13/2018 19:22	511049.2	0.0		
07/13/2018 20:22	511049.2	0.0		
07/13/2018 21:22	511049.2	0.0		
07/13/2018 22:22	511049.2	0.0		
07/13/2018 23:22	511049.2	0.0		
07/14/2018 00:22	511049.2	0.0		
07/14/2018 01:22	511049.2	0.0		
07/14/2018 02:22	511049.2	0.0		
07/14/2018 03:22	511049.2	0.0		
07/14/2018 04:22	511049.2	0.0		
07/14/2018 05:22	511049.2	0.0		
07/14/2018 06:22	511049.2	0.0		
07/14/2018 07:22	511049.2	0.0		
07/14/2018 08:22	511049.2	0.0		
07/14/2018 09:22	511049.2	0.0		
07/14/2018 10:22	511049.2	0.0		
07/14/2018 11:22	511049.2	0.0		
07/14/2018 12:22	511049.2	0.0		
07/14/2018 13:22	511049.2	0.0		
07/14/2018 14:22	511049.2	0.0		
07/14/2018 15:22	511049.2	0.0		
07/14/2018 16:22	511049.2	0.0		
07/14/2018 17:22	511049.2	0.0		
07/14/2018 18:22	511049.2	0.0		
07/14/2018 19:22	511049.2	0.0		
07/14/2018 20:22	511049.2	0.0		
07/14/2018 21:22	511049.2	0.0		
07/14/2018 22:22	511049.2	0.0		
07/14/2018 23:22	511049.2	0.0		
07/15/2018 00:22	511049.2	0.0		
07/15/2018 01:22	511049.2	0.0		
07/15/2018 02:22	511049.2	0.0		
07/15/2018 03:22	511049.2	0.0		
07/15/2018 04:22	511049.2	0.0		
07/15/2018 05:22	511049.2	0.0		
07/15/2018 06:22	511049.2	0.0		
07/15/2018 07:22	511049.2	0.0		
07/15/2018 08:22	511049.2	0.0		
07/15/2018 09:22	511049.2	0.0		
07/15/2018 10:22	511049.2	0.0		
07/15/2018 11:22	511049.2	0.0		
07/15/2018 12:22	511049.2	0.0		

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/15/2018 13:22	511049.2	0.0		
07/15/2018 14:22	511049.2	0.0		
07/15/2018 15:22	511049.2	0.0		
07/15/2018 16:22	511049.2	0.0		
07/15/2018 17:22	511049.2	0.0		
07/15/2018 18:22	511049.2	0.0		
07/15/2018 19:22	511049.2	0.0		
07/15/2018 20:22	511049.2	0.0		
07/15/2018 21:22	511049.2	0.0		
07/15/2018 22:22	511049.2	0.0		
07/15/2018 23:22	511049.2	0.0		
07/16/2018 00:22	511049.2	0.0		
07/16/2018 01:22	511049.2	0.0		
07/16/2018 02:22	511049.2	0.0		
07/16/2018 03:22	511049.2	0.0		
07/16/2018 04:22	511049.2	0.0		
07/16/2018 05:22	511049.2	0.0		
07/16/2018 06:22	511049.2	0.0		
07/16/2018 07:22	511049.2	0.0		
07/16/2018 08:22	511049.2	0.0		
07/16/2018 09:22	511049.2	0.0		
07/16/2018 10:22	511049.2	0.0		
07/16/2018 11:22	511049.2	0.0		
07/16/2018 12:22	511049.2	0.0		
07/16/2018 13:22	511049.2	0.0		
07/16/2018 14:22	511049.2	0.0		
07/16/2018 15:22	511049.2	0.0		
07/16/2018 16:22	511049.2	0.0		
07/16/2018 17:22	511049.2	0.0		
07/16/2018 18:22	511049.2	0.0		
07/16/2018 19:22	511049.2	0.0		
07/16/2018 20:22	511049.2	0.0		
07/16/2018 21:22	511049.2	0.0		
07/16/2018 22:22	511049.2	0.0		
07/16/2018 23:22	511049.2	0.0		
07/17/2018 00:22	511049.2	0.0		
07/17/2018 01:22	511049.2	0.0		
07/17/2018 02:22	511049.2	0.0		
07/17/2018 03:22	511049.2	0.0		
07/17/2018 04:22	511049.2	0.0		
07/17/2018 05:22	511049.2	0.0		
07/17/2018 06:22	511049.2	0.0		
07/17/2018 07:22	511049.2	0.0		
07/17/2018 08:22	511049.2	0.0		
07/17/2018 09:22	511049.2	0.0		
07/17/2018 10:22	511049.2	0.0		
07/17/2018 11:22	511049.2	0.0		
07/17/2018 12:22	511049.2	0.0		
07/17/2018 13:22	511049.2	0.0		
07/17/2018 14:22	511049.2	0.0		
07/17/2018 15:22	511049.2	0.0		
07/17/2018 16:22	511049.2	0.0		
07/17/2018 17:22	511049.2	0.0		
07/17/2018 18:22	511049.2	0.0		
07/17/2018 19:22	511049.2	0.0		
07/17/2018 20:22	511049.2	0.0		
07/17/2018 21:22	511049.2	0.0		
07/17/2018 22:22	511049.2	0.0		
07/17/2018 23:22	511049.2	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/18/2018 00:22	511049.2	0.0		
07/18/2018 01:22	511049.2	0.0		
07/18/2018 02:22	511049.2	0.0		
07/18/2018 03:22	511049.2	0.0		
07/18/2018 04:22	511049.2	0.0		
07/18/2018 05:22	511049.2	0.0		
07/18/2018 06:22	511049.2	0.0		
07/18/2018 07:22	511049.2	0.0		
07/18/2018 08:22	511049.2	0.0		
07/18/2018 09:22	511049.2	0.0		
07/18/2018 10:22	511049.2	0.0		
07/18/2018 11:22	511049.2	0.0		
07/18/2018 12:22	511049.2	0.0		
07/18/2018 13:22	511049.2	0.0		
07/18/2018 14:22	511049.2	0.0		
07/18/2018 15:22	511049.2	0.0		
07/18/2018 16:22	511049.2	0.0		
07/18/2018 17:22	511049.2	0.0		
07/18/2018 18:22	511049.2	0.0		
07/18/2018 19:22	511049.2	0.0		
07/18/2018 20:22	511049.2	0.0		
07/18/2018 21:22	511049.2	0.0		
07/18/2018 22:22	511049.2	0.0		
07/18/2018 23:22	511049.2	0.0		
07/19/2018 00:22	511049.2	0.0		
07/19/2018 01:22	511049.2	0.0		
07/19/2018 02:22	511049.2	0.0		
07/19/2018 03:22	511049.2	0.0		
07/19/2018 04:22	511049.2	0.0		
07/19/2018 05:22	511049.2	0.0		
07/19/2018 06:22	511049.2	0.0		
07/19/2018 07:22	511049.2	0.0		
07/19/2018 08:22	511049.2	0.0		
07/19/2018 09:22	511049.2	0.0		
07/19/2018 10:22	511049.2	0.0		
07/19/2018 11:22	511049.2	0.0		
07/19/2018 12:22	511049.2	0.0		
07/19/2018 13:22	511049.2	0.0		
07/19/2018 14:22	511049.2	0.0		
07/19/2018 15:22	511049.2	0.0		
07/19/2018 16:22	511049.2	0.0		
07/19/2018 17:22	511049.2	0.0		
07/19/2018 18:22	511049.2	0.0		
07/19/2018 19:22	511049.2	0.0		
07/19/2018 20:22	511049.2	0.0		
07/19/2018 21:22	511049.2	0.0		
07/19/2018 22:22	511049.2	0.0		
07/19/2018 23:22	511049.2	0.0		
07/20/2018 00:22	511049.2	0.0		
07/20/2018 01:22	511049.2	0.0		
07/20/2018 02:22	511049.2	0.0		
07/20/2018 03:22	511049.2	0.0		
07/20/2018 04:22	511049.2	0.0		
07/20/2018 05:22	511049.2	0.0		
07/20/2018 06:22	511049.2	0.0		
07/20/2018 07:22	511049.2	0.0		
07/20/2018 08:22	511049.2	0.0		
07/20/2018 09:22	511049.2	0.0		
07/20/2018 10:22	511049.2	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/22/2018 22:22	511049.2	0.0		
07/22/2018 23:22	511049.2	0.0		
07/23/2018 00:22	511049.2	0.0		
07/23/2018 01:22	511049.2	0.0		
07/23/2018 02:22	511049.2	0.0		
07/23/2018 03:22	511049.2	0.0		
07/23/2018 04:22	511049.2	0.0		
07/23/2018 05:22	511049.2	0.0		
07/23/2018 06:22	511049.2	0.0		
07/23/2018 07:22	511049.2	0.0		
07/23/2018 08:22	511049.2	0.0		
07/23/2018 09:22	511049.2	0.0		
07/23/2018 10:22	511049.2	0.0		
07/23/2018 11:22	511049.2	0.0		
07/23/2018 12:22	511049.2	0.0		
07/23/2018 13:22	511049.2	0.0		
07/23/2018 14:22	511049.2	0.0		
07/23/2018 15:22	511049.2	0.0		
07/23/2018 16:22	511049.2	0.0		
07/23/2018 17:22	511049.2	0.0		
07/23/2018 18:22	511049.2	0.0		
07/23/2018 19:22	511049.2	0.0		
07/23/2018 20:22	511049.2	0.0		
07/23/2018 21:22	511049.2	0.0		
07/23/2018 22:22	511049.2	0.0		
07/23/2018 23:22	511049.2	0.0		
07/24/2018 00:22	511049.2	0.0		
07/24/2018 01:22	511049.2	0.0		
07/24/2018 02:22	511049.2	0.0		
07/24/2018 03:22	511049.2	0.0		
07/24/2018 04:22	511049.2	0.0		
07/24/2018 05:22	511049.2	0.0		
07/24/2018 06:22	511049.2	0.0		
07/24/2018 07:22	511049.2	0.0		
07/24/2018 08:22	511049.2	0.0		
07/24/2018 09:22	511049.2	0.0		
07/24/2018 10:22	511049.2	0.0		
07/24/2018 11:22	511049.2	0.0		
07/24/2018 12:22	511049.2	0.0		
07/24/2018 13:22	511049.2	0.0		
07/24/2018 14:22	511049.2	0.0		
07/24/2018 15:22	511049.2	0.0		
07/24/2018 16:22	511049.2	0.0		
07/24/2018 17:22	511049.2	0.0		
07/24/2018 18:22	511049.2	0.0		
07/24/2018 19:22	511049.2	0.0		
07/24/2018 20:22	511049.2	0.0		
07/24/2018 21:22	511049.2	0.0		
07/24/2018 22:22	511049.2	0.0		
07/24/2018 23:22	511049.2	0.0		
07/25/2018 00:22	511049.2	0.0		
07/25/2018 01:22	511049.2	0.0		
07/25/2018 02:22	511049.2	0.0		
07/25/2018 03:22	511049.2	0.0		
07/25/2018 04:22	511049.2	0.0		
07/25/2018 05:22	511049.2	0.0		
07/25/2018 06:22	511049.2	0.0		
07/25/2018 07:22	511049.2	0.0		
07/25/2018 08:22	511049.2	0.0		

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/25/2018 09:22	511049.2	0.0		
07/25/2018 10:22	511049.2	0.0		
07/25/2018 11:22	511049.2	0.0		
07/25/2018 12:22	511049.2	0.0		
07/25/2018 13:22	511049.2	0.0		
07/25/2018 14:22	511049.2	0.0		
07/25/2018 15:22	511049.2	0.0*		
07/25/2018 16:22	511049.2	0.0*		
07/25/2018 17:22	511049.2	0.0		
07/25/2018 18:22	511049.2	0.0		
07/25/2018 19:22	511049.2	0.0		
07/25/2018 20:22	511049.2	0.0		
07/25/2018 21:22	511049.2	0.0		
07/25/2018 22:22	511049.2	0.0		
07/25/2018 23:22	511049.2	0.0		
07/26/2018 00:22	511049.2	0.0		
07/26/2018 01:22	511049.2	0.0		
07/26/2018 02:22	511049.2	0.0		
07/26/2018 03:22	511049.2	0.0		
07/26/2018 04:22	511049.2	0.0		
07/26/2018 05:22	511049.2	0.0		
07/26/2018 06:22	511049.2	0.0		
07/26/2018 07:22	511049.2	0.0		
07/26/2018 08:22	511049.2	0.0		
07/26/2018 09:22	511049.2	0.0		
07/26/2018 10:22	511049.2	0.0		
07/26/2018 11:22	511049.2	0.0		
07/26/2018 12:22	511049.2	0.0		
07/26/2018 13:22	511049.2	0.0		
07/26/2018 14:22	511049.2	0.0		
07/26/2018 15:22	511049.2	0.0		
07/26/2018 16:22	511049.2	0.0		
07/26/2018 17:22	511049.2	0.0		
07/26/2018 18:22	511049.2	0.0		
07/26/2018 19:22	511049.2	0.0		
07/26/2018 20:22	511049.2	0.0		
07/26/2018 21:22	511049.2	0.0		
07/26/2018 22:22	511049.2	0.0		
07/26/2018 23:22	511049.2	0.0		
07/27/2018 00:22	511049.2	0.0		
07/27/2018 01:22	511049.2	0.0		
07/27/2018 02:22	511049.2	0.0		
07/27/2018 03:22	511049.2	0.0		
07/27/2018 04:22	511049.2	0.0		
07/27/2018 05:22	511049.2	0.0		
07/27/2018 06:22	511049.2	0.0		
07/27/2018 07:22	511049.2	0.0		
07/27/2018 08:22	511049.2	0.0		
07/27/2018 09:22	511049.2	0.0		
07/27/2018 10:22	511049.2	0.0		
07/27/2018 11:22	511049.2	0.0		
07/27/2018 12:22	511049.2	0.0		
07/27/2018 13:22	511049.2	0.0		
07/27/2018 14:22	511049.2	0.0		
07/27/2018 15:22	511049.2	0.0		
07/27/2018 16:22	511049.2	0.0		
07/27/2018 17:22	511049.2	0.0		
07/27/2018 18:22	511049.2	0.0		
07/27/2018 19:22	511049.2	0.0		

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Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/27/2018 20:22	511049.2	0.0		
07/27/2018 21:22	511049.2	0.0		
07/27/2018 22:22	511049.2	0.0		
07/27/2018 23:22	511049.2	0.0		
07/28/2018 00:22	511049.2	0.0		
07/28/2018 01:22	511049.2	0.0		
07/28/2018 02:22	511049.2	0.0		
07/28/2018 03:22	511049.2	0.0		
07/28/2018 04:22	511049.2	0.0		
07/28/2018 05:22	511049.2	0.0		
07/28/2018 06:22	511049.2	0.0		
07/28/2018 07:22	511049.2	0.0		
07/28/2018 08:22	511049.2	0.0		
07/28/2018 09:22	511049.2	0.0		
07/28/2018 10:22	511049.2	0.0		
07/28/2018 11:22	511049.2	0.0		
07/28/2018 12:22	511049.2	0.0		
07/28/2018 13:22	511049.2	0.0		
07/28/2018 14:22	511049.2	0.0		
07/28/2018 15:22	511049.2	0.0		
07/28/2018 16:22	511049.2	0.0		
07/28/2018 17:22	511049.2	0.0		
07/28/2018 18:22	511049.2	0.0		
07/28/2018 19:22	511049.2	0.0		
07/28/2018 20:22	511049.2	0.0		
07/28/2018 21:22	511049.2	0.0		
07/28/2018 22:22	511049.2	0.0		
07/28/2018 23:22	511049.2	0.0		
07/29/2018 00:22	511049.2	0.0		
07/29/2018 01:22	511049.2	0.0		
07/29/2018 02:22	511049.2	0.0		
07/29/2018 03:22	511049.2	0.0		
07/29/2018 04:22	511049.2	0.0		
07/29/2018 05:22	511049.2	0.0		
07/29/2018 06:22	511049.2	0.0		
07/29/2018 07:22	511049.2	0.0		
07/29/2018 08:22	511049.2	0.0		
07/29/2018 09:22	511049.2	0.0		
07/29/2018 10:22	511049.2	0.0		
07/29/2018 11:22	511049.2	0.0		
07/29/2018 12:22	511049.2	0.0		
07/29/2018 13:22	511049.2	0.0		
07/29/2018 14:22	511049.2	0.0		
07/29/2018 15:22	511049.2	0.0		
07/29/2018 16:22	511049.2	0.0		
07/29/2018 17:22	511049.2	0.0		
07/29/2018 18:22	511049.2	0.0		
07/29/2018 19:22	511049.2	0.0		
07/29/2018 20:22	511049.2	0.0		
07/29/2018 21:22	511049.2	0.0		
07/29/2018 22:22	511049.2	0.0		
07/29/2018 23:22	511049.2	0.0		
07/30/2018 00:22	511049.2	0.0		
07/30/2018 01:22	511049.2	0.0		
07/30/2018 02:22	511049.2	0.0		
07/30/2018 03:22	511049.2	0.0		
07/30/2018 04:22	511049.2	0.0		
07/30/2018 05:22	511049.2*	0.0*		
07/30/2018 06:22	511049.2	0.0*		

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Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
07/30/2018 07:22	511049.2	0.0		
07/30/2018 08:22	511049.2	0.0		
07/30/2018 09:22	511049.2	0.0		
07/30/2018 10:22	511049.2	0.0		
07/30/2018 11:22	511049.2	0.0		
07/30/2018 12:22	511049.2	0.0		
07/30/2018 13:22	511049.2	0.0		
07/30/2018 14:22	511049.2	0.0		
07/30/2018 15:22	511049.2	0.0		
07/30/2018 16:22	511049.2	0.0		
07/30/2018 17:22	511049.2	0.0		
07/30/2018 18:22	511049.2	0.0		
07/30/2018 19:22	511049.2	0.0		
07/30/2018 20:22	511049.2	0.0		
07/30/2018 21:22	511049.2	0.0		
07/30/2018 22:22	511049.2	0.0		
07/30/2018 23:22	511049.2	0.0		
07/31/2018 00:22	511049.2	0.0		
07/31/2018 01:22	511049.2	0.0		
07/31/2018 02:22	511049.2	0.0		
07/31/2018 03:22	511049.2	0.0		
07/31/2018 04:22	511049.2	0.0		
07/31/2018 05:22	511049.2	0.0		
07/31/2018 06:22	511049.2	0.0		
07/31/2018 07:22	511049.2	0.0		
07/31/2018 08:22	511049.2	0.0		
07/31/2018 09:22	511049.2	0.0		
07/31/2018 10:22	511049.2	0.0		
07/31/2018 11:22	511049.2	0.0		
07/31/2018 12:22	511049.2	0.0		
07/31/2018 13:22	511049.2	0.0		
07/31/2018 14:22	511049.2	0.0		
07/31/2018 15:22	511049.2	0.0		
07/31/2018 16:22	511049.2	0.0		
07/31/2018 17:22	511049.2	0.0		
07/31/2018 18:22	511049.2	0.0		
07/31/2018 19:22	511049.2	0.0		
07/31/2018 20:22	511049.2	0.0		
07/31/2018 21:22	511049.2	0.0		
07/31/2018 22:22	511049.2	0.0		
07/31/2018 23:22	511049.2	0.0		
08/01/2018 00:22	511049.2	0.0		
08/01/2018 01:22	511049.2	0.0		
08/01/2018 02:22	511049.2	0.0		
08/01/2018 03:22	511049.2	0.0		
08/01/2018 04:22	511049.2	0.0		
08/01/2018 05:22	511049.2	0.0		
08/01/2018 06:22	511049.2	0.0		
08/01/2018 07:22	511049.2	0.0		
08/01/2018 08:22	511049.2	0.0		
08/01/2018 09:22	511049.2	0.0		
08/01/2018 10:22	511049.2	0.0		
08/01/2018 11:22	511049.2	0.0		
08/01/2018 12:22	511049.2	0.0		
08/01/2018 13:22	511049.2	0.0		
08/01/2018 14:22	511049.2	0.0		
08/01/2018 15:22	511070.9	21.7		
08/01/2018 16:22	511070.9	0.0		
08/01/2018 17:22	511070.9	0.0		

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Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
08/01/2018 18:22	511070.9	0.0		
08/01/2018 19:22	511070.9	0.0		
08/01/2018 20:22	511070.9	0.0		
08/01/2018 21:22	511070.9	0.0		
08/01/2018 22:22	511070.9	0.0		
08/01/2018 23:22	511070.9	0.0		
08/02/2018 00:22	511070.9	0.0		
08/02/2018 01:22	511070.9	0.0		
08/02/2018 02:22	511070.9	0.0		
08/02/2018 03:22	511070.9	0.0		
08/02/2018 04:22	511070.9	0.0		
08/02/2018 05:22	511070.9	0.0		
08/02/2018 06:22	511070.9	0.0		
08/02/2018 07:22	511070.9	0.0		
08/02/2018 08:22	511070.9	0.0		
08/02/2018 09:22	511070.9	0.0		
08/02/2018 10:22	511070.9	0.0		
08/02/2018 11:22	511070.9	0.0		
08/02/2018 12:22	511070.9	0.0		
08/02/2018 13:22	511070.9	0.0		
08/02/2018 14:22	511070.9	0.0		
08/02/2018 15:22	511070.9	0.0		
08/02/2018 16:22	511070.9	0.0		
08/02/2018 17:22	511070.9	0.0		
08/02/2018 18:22	511070.9	0.0		
08/02/2018 19:22	511070.9	0.0		
08/02/2018 20:22	511070.9	0.0		
08/02/2018 21:22	511070.9	0.0		
08/02/2018 22:22	511070.9	0.0		
08/02/2018 23:22	511070.9	0.0		
08/03/2018 00:22	511070.9	0.0		
08/03/2018 01:22	511070.9	0.0		
08/03/2018 02:22	511070.9	0.0		
08/03/2018 03:22	511070.9	0.0		
08/03/2018 04:22	511070.9	0.0		
08/03/2018 05:22	511070.9	0.0		
08/03/2018 06:22	511070.9	0.0		
08/03/2018 07:22	511070.9	0.0		
08/03/2018 08:22	511070.9	0.0		
08/03/2018 09:22	511070.9	0.0		
08/03/2018 10:22	511070.9	0.0		
08/03/2018 11:22	511070.9	0.0		
08/03/2018 12:22	511070.9	0.0		
08/03/2018 13:22	511070.9	0.0		
08/03/2018 14:22	511070.9	0.0		
08/03/2018 15:22	511070.9	0.0		
08/03/2018 16:22	511070.9	0.0		
08/03/2018 17:22	511070.9	0.0		
08/03/2018 18:22	511070.9	0.0		
08/03/2018 19:22	511070.9	0.0		
08/03/2018 20:22	511070.9	0.0		
08/03/2018 21:22	511070.9	0.0		
08/03/2018 22:22	511070.9	0.0		
08/03/2018 23:22	511070.9	0.0		
08/04/2018 00:22	511070.9*	0.0*		
08/04/2018 01:22	511070.9	0.0*		
08/04/2018 02:22	511070.9	0.0		
08/04/2018 03:22	511070.9	0.0		
08/04/2018 04:22	511070.9	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
08/04/2018 05:22	511070.9	0.0		
08/04/2018 06:22	511070.9	0.0		
08/04/2018 07:22	511070.9	0.0		
08/04/2018 08:22	511070.9	0.0		
08/04/2018 09:22	511070.9	0.0		
08/04/2018 10:22	511070.9	0.0		
08/04/2018 11:22	511070.9	0.0		
08/04/2018 12:22	511070.9	0.0		
08/04/2018 13:22	511070.9	0.0		
08/04/2018 14:22	511070.9	0.0		
08/04/2018 15:22	511070.9	0.0		
08/04/2018 16:22	511070.9	0.0		
08/04/2018 17:22	511070.9	0.0		
08/04/2018 18:22	511070.9	0.0		
08/04/2018 19:22	511070.9	0.0		
08/04/2018 20:22	511070.9	0.0		
08/04/2018 21:22	511070.9	0.0		
08/04/2018 22:22	511070.9	0.0		
08/04/2018 23:22	511070.9	0.0		
08/05/2018 00:22	511070.9	0.0		
08/05/2018 01:22	511070.9	0.0		
08/05/2018 02:22	511070.9	0.0		
08/05/2018 03:22	511070.9	0.0		
08/05/2018 04:22	511070.9	0.0		
08/05/2018 05:22	511070.9	0.0		
08/05/2018 06:22	511070.9	0.0		
08/05/2018 07:22	511070.9	0.0		
08/05/2018 08:22	511070.9	0.0		
08/05/2018 09:22	511070.9	0.0		
08/05/2018 10:22	511070.9	0.0		
08/05/2018 11:22	511070.9	0.0		
08/05/2018 12:22	511070.9	0.0		
08/05/2018 13:22	511070.9	0.0		
08/05/2018 14:22	511070.9	0.0		
08/05/2018 15:22	511070.9	0.0		
08/05/2018 16:22	511070.9	0.0		
08/05/2018 17:22	511070.9	0.0		
08/05/2018 18:22	511070.9	0.0		
08/05/2018 19:22	511070.9	0.0		
08/05/2018 20:22	511070.9	0.0		
08/05/2018 21:22	511070.9	0.0		
08/05/2018 22:22	511070.9	0.0		
08/05/2018 23:22	511070.9	0.0		
08/06/2018 00:22	511070.9	0.0		
08/06/2018 01:22	511070.9	0.0		
08/06/2018 02:22	511070.9	0.0		
08/06/2018 03:22	511070.9	0.0		
08/06/2018 04:22	511070.9	0.0		
08/06/2018 05:22	511070.9	0.0		
08/06/2018 06:22	511070.9	0.0		
08/06/2018 07:22	511070.9	0.0		
08/06/2018 08:22	511070.9	0.0		
08/06/2018 09:22	511070.9	0.0		
08/06/2018 10:22	511070.9	0.0		
08/06/2018 11:22	511070.9	0.0		
08/06/2018 12:22	511070.9	0.0		
08/06/2018 13:22	511070.9	0.0		
08/06/2018 14:22	511070.9	0.0		
08/06/2018 15:22	511070.9	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
08/06/2018 16:22	511070.9	0.0		
08/06/2018 17:22	511070.9	0.0		
08/06/2018 18:22	511070.9	0.0		
08/06/2018 19:22	511070.9	0.0		
08/06/2018 20:22	511070.9	0.0		
08/06/2018 21:22	511070.9	0.0		
08/06/2018 22:22	511070.9	0.0		
08/06/2018 23:22	511070.9	0.0		
08/07/2018 00:22	511070.9	0.0		
08/07/2018 01:22	511070.9	0.0		
08/07/2018 02:22	511070.9	0.0		
08/07/2018 03:22	511070.9	0.0		
08/07/2018 04:22	511070.9	0.0		
08/07/2018 05:22	511070.9	0.0		
08/07/2018 06:22	511070.9	0.0		
08/07/2018 07:22	511070.9	0.0		
08/07/2018 08:22	511070.9	0.0		
08/07/2018 09:22	511070.9	0.0		
08/07/2018 10:22	511070.9	0.0		
08/07/2018 11:22	511070.9	0.0		
08/07/2018 12:22	511070.9	0.0		
08/07/2018 13:22	511070.9	0.0		
08/07/2018 14:22	511070.9	0.0		
08/07/2018 15:22	511070.9	0.0		
08/07/2018 16:22	511070.9	0.0		
08/07/2018 17:22	511070.9	0.0		
08/07/2018 18:22	511070.9	0.0		
08/07/2018 19:22	511070.9	0.0		
08/07/2018 20:22	511070.9	0.0		
08/07/2018 21:22	511070.9	0.0		
08/07/2018 22:22	511070.9	0.0		
08/07/2018 23:22	511070.9	0.0		
08/08/2018 00:22	511070.9	0.0		
08/08/2018 01:22	511070.9	0.0		
08/08/2018 02:22	511070.9	0.0		
08/08/2018 03:22	511070.9	0.0		
08/08/2018 04:22	511070.9	0.0		
08/08/2018 05:22	511070.9	0.0		
08/08/2018 06:22	511070.9	0.0		
08/08/2018 07:22	511070.9	0.0		
08/08/2018 08:22	511070.9	0.0		
08/08/2018 09:22	511070.9	0.0		
08/08/2018 10:22	511070.9	0.0		
08/08/2018 11:22	511070.9	0.0		
08/08/2018 12:22	511070.9	0.0		
08/08/2018 13:22	511070.9	0.0		
08/08/2018 14:22	511070.9	0.0		
08/08/2018 15:22	511070.9	0.0		
08/08/2018 16:22	511070.9	0.0		
08/08/2018 17:22	511070.9	0.0		
08/08/2018 18:22	511070.9	0.0		
08/08/2018 19:22	511070.9*	0.0*		
08/08/2018 20:22	511070.9	0.0*		
08/08/2018 21:22	511070.9	0.0		
08/08/2018 22:22	511070.9	0.0		
08/08/2018 23:22	511070.9	0.0		
08/09/2018 00:22	511070.9	0.0		
08/09/2018 01:22	511070.9	0.0		
08/09/2018 02:22	511070.9	0.0		

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
08/09/2018 03:22	511070.9	0.0		
08/09/2018 04:22	511070.9	0.0		
08/09/2018 05:22	511070.9	0.0		
08/09/2018 06:22	511070.9	0.0		
08/09/2018 07:22	511070.9	0.0		
08/09/2018 08:22	511070.9	0.0		
08/09/2018 09:22	511070.9	0.0		
08/09/2018 10:22	511070.9	0.0		
08/09/2018 11:22	511070.9	0.0		
08/09/2018 12:22	511070.9	0.0		
08/09/2018 13:22	511070.9	0.0		
08/09/2018 14:22	511070.9	0.0		
08/09/2018 15:22	511070.9	0.0		
08/09/2018 16:22	511070.9	0.0		
08/09/2018 17:22	511070.9	0.0		
08/09/2018 18:22	511070.9	0.0		
08/09/2018 19:22	511070.9	0.0		
08/09/2018 20:22	511070.9	0.0		
08/09/2018 21:22	511070.9	0.0		
08/09/2018 22:22	511070.9	0.0		
08/09/2018 23:22	511070.9	0.0		
08/10/2018 00:22	511070.9	0.0		
08/10/2018 01:22	511070.9	0.0		
08/10/2018 02:22	511070.9	0.0		
08/10/2018 03:22	511070.9	0.0		
08/10/2018 04:22	511070.9	0.0		
08/10/2018 05:22	511070.9	0.0		
08/10/2018 06:22	511070.9	0.0		
08/10/2018 07:22	511070.9	0.0		
08/10/2018 08:22	511070.9	0.0		
08/10/2018 09:22	511070.9	0.0		
08/10/2018 10:22	511070.9	0.0		
08/10/2018 11:22	511070.9	0.0		
08/10/2018 12:22	511070.9	0.0		
08/10/2018 13:22	511070.9	0.0		
08/10/2018 14:22	511070.9	0.0		
08/10/2018 15:22	511070.9	0.0		
08/10/2018 16:22	511070.9	0.0		
08/10/2018 17:22	511070.9	0.0		
08/10/2018 18:22	511070.9	0.0		
08/10/2018 19:22	511070.9	0.0		
08/10/2018 20:22	511070.9	0.0		
08/10/2018 21:22	511070.9	0.0		
08/10/2018 22:22	511070.9	0.0		
08/10/2018 23:22	511070.9	0.0		
08/11/2018 00:22	511070.9	0.0		
08/11/2018 01:22	511070.9	0.0		
08/11/2018 02:22	511070.9	0.0		
08/11/2018 03:22	511070.9	0.0		
08/11/2018 04:22	511070.9	0.0		
08/11/2018 05:22	511070.9	0.0		
08/11/2018 06:22	511070.9	0.0		
08/11/2018 07:22	511070.9	0.0		
08/11/2018 08:22	511070.9	0.0		
08/11/2018 09:22	511070.9	0.0		
08/11/2018 10:22	511070.9	0.0		
08/11/2018 11:22	511070.9	0.0		
08/11/2018 12:22	511070.9	0.0		
08/11/2018 13:22	511070.9	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
08/11/2018 14:22	511070.9	0.0		
08/11/2018 15:22	511070.9	0.0		
08/11/2018 16:22	511070.9	0.0		
08/11/2018 17:22	511070.9	0.0		
08/11/2018 18:22	511070.9	0.0		
08/11/2018 19:22	511070.9	0.0		
08/11/2018 20:22	511070.9	0.0		
08/11/2018 21:22	511070.9	0.0		
08/11/2018 22:22	511070.9	0.0		
08/11/2018 23:22	511070.9	0.0		
08/12/2018 00:22	511070.9	0.0		
08/12/2018 01:22	511070.9	0.0		
08/12/2018 02:22	511070.9	0.0		
08/12/2018 03:22	511070.9	0.0		
08/12/2018 04:22	511070.9	0.0		
08/12/2018 05:22	511070.9	0.0		
08/12/2018 06:22	511070.9	0.0		
08/12/2018 07:22	511070.9	0.0		
08/12/2018 08:22	511070.9	0.0		
08/12/2018 09:22	511070.9	0.0		
08/12/2018 10:22	511070.9	0.0		
08/12/2018 11:22	511070.9	0.0		
08/12/2018 12:22	511070.9	0.0		
08/12/2018 13:22	511070.9	0.0		
08/12/2018 14:22	511070.9	0.0		
08/12/2018 15:22	511070.9	0.0		
08/12/2018 16:22	511070.9	0.0		
08/12/2018 17:22	511070.9	0.0		
08/12/2018 18:22	511070.9	0.0		
08/12/2018 19:22	511070.9	0.0		
08/12/2018 20:22	511070.9	0.0		
08/12/2018 21:22	511070.9	0.0		
08/12/2018 22:22	511070.9	0.0		
08/12/2018 23:22	511070.9	0.0		
08/13/2018 00:22	511070.9	0.0		
08/13/2018 01:22	511070.9	0.0		
08/13/2018 02:22	511070.9	0.0		
08/13/2018 03:22	511070.9	0.0		
08/13/2018 04:22	511070.9	0.0		
08/13/2018 05:22	511070.9	0.0		
08/13/2018 06:22	511070.9	0.0		
08/13/2018 07:22	511070.9	0.0		
08/13/2018 08:22	511070.9	0.0		
08/13/2018 09:22	511070.9	0.0		
08/13/2018 10:22	511070.9*	0.0*		
08/13/2018 11:22	511070.9	0.0*		
08/13/2018 12:22	511070.9	0.0		
08/13/2018 13:22	511070.9	0.0		
08/13/2018 14:22	511070.9*	0.0*		
08/13/2018 15:22	511070.9	0.0*		
08/13/2018 16:22	511070.9	0.0		
08/13/2018 17:22	511070.9	0.0		
08/13/2018 18:22	511070.9	0.0		
08/13/2018 19:22	511070.9	0.0		
08/13/2018 20:22	511070.9	0.0		
08/13/2018 21:22	511070.9	0.0		
08/13/2018 22:22	511070.9	0.0		
08/13/2018 23:22	511070.9	0.0		
08/14/2018 00:22	511070.9	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
08/14/2018 01:22	511070.9	0.0		
08/14/2018 02:22	511070.9	0.0		
08/14/2018 03:22	511070.9	0.0		
08/14/2018 04:22	511070.9	0.0		
08/14/2018 05:22	511070.9	0.0		
08/14/2018 06:22	511070.9	0.0		
08/14/2018 07:22	511070.9	0.0		
08/14/2018 08:22	511070.9	0.0		
08/14/2018 09:22	511070.9	0.0		
08/14/2018 10:22	511070.9	0.0		
08/14/2018 11:22	511070.9	0.0		
08/14/2018 12:22	511070.9	0.0		
08/14/2018 13:22	511070.9	0.0		
08/14/2018 14:22	511070.9	0.0		
08/14/2018 15:22	511070.9	0.0		
08/14/2018 16:22	511070.9	0.0		
08/14/2018 17:22	511070.9	0.0		
08/14/2018 18:22	511070.9	0.0		
08/14/2018 19:22	511070.9	0.0		
08/14/2018 20:22	511070.9	0.0		
08/14/2018 21:22	511070.9	0.0		
08/14/2018 22:22	511070.9	0.0		
08/14/2018 23:22	511070.9	0.0		
08/15/2018 00:22	511070.9	0.0		
08/15/2018 01:22	511070.9	0.0		
08/15/2018 02:22	511070.9	0.0		
08/15/2018 03:22	511070.9	0.0		
08/15/2018 04:22	511070.9	0.0		
08/15/2018 05:22	511070.9	0.0		
08/15/2018 06:22	511070.9	0.0		
08/15/2018 07:22	511070.9	0.0		
08/15/2018 08:22	511070.9	0.0		
08/15/2018 09:22	511070.9	0.0		
08/15/2018 10:22	511070.9	0.0		
08/15/2018 11:22	511070.9	0.0		
08/15/2018 12:22	511070.9	0.0		
08/15/2018 13:22	511070.9	0.0		
08/15/2018 14:22	511070.9	0.0		
08/15/2018 15:22	511070.9	0.0		
08/15/2018 16:22	511070.9	0.0		
08/15/2018 17:22	511070.9	0.0		
08/15/2018 18:22	511070.9	0.0		
08/15/2018 19:22	511070.9	0.0		
08/15/2018 20:22	511070.9	0.0		
08/15/2018 21:22	511070.9	0.0		
08/15/2018 22:22	511070.9	0.0		
08/15/2018 23:22	511070.9	0.0		
08/16/2018 00:22	511070.9	0.0		
08/16/2018 01:22	511070.9	0.0		
08/16/2018 02:22	511070.9	0.0		
08/16/2018 03:22	511070.9	0.0		
08/16/2018 04:22	511070.9	0.0		
08/16/2018 05:22	511070.9	0.0		
08/16/2018 06:22	511070.9	0.0		
08/16/2018 07:22	511070.9	0.0		
08/16/2018 08:22	511070.9	0.0		
08/16/2018 09:22	511070.9	0.0		
08/16/2018 10:22	511070.9	0.0		
08/16/2018 11:22	511070.9	0.0		

Data Logging Report MIU#: 1850604775 for 05/12/2018 - 08/16/2018 - 5/8" - 1" T-10, GALLONS

Interval End Time	Interval Reading	Interval Consumption	Reverse Flow	Leak
08/16/2018 12:22	511070.9	0.0		
08/16/2018 13:22	511070.9	0.0		
08/16/2018 14:22	511070.9	0.0		



DAMDWCA

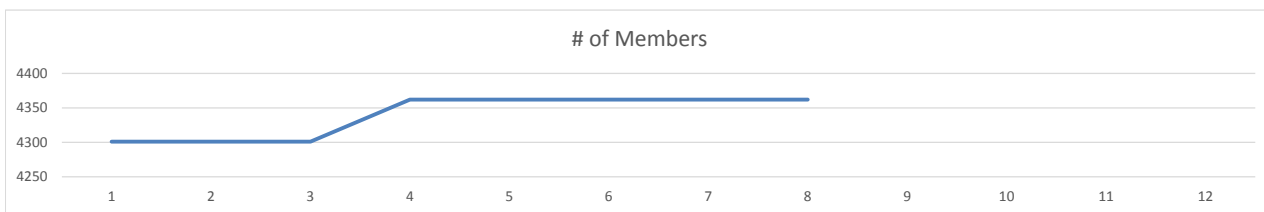
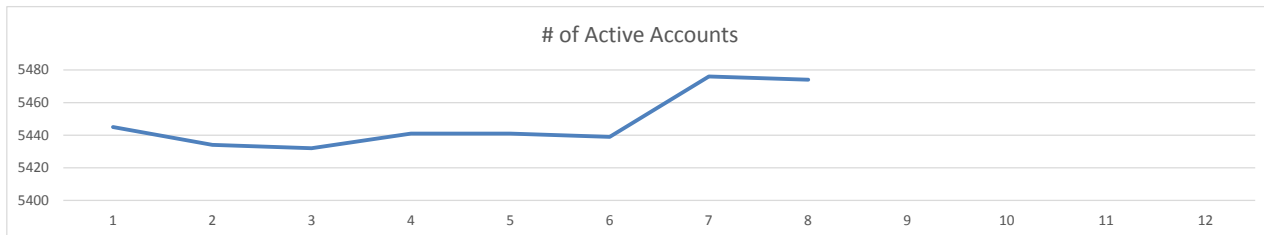
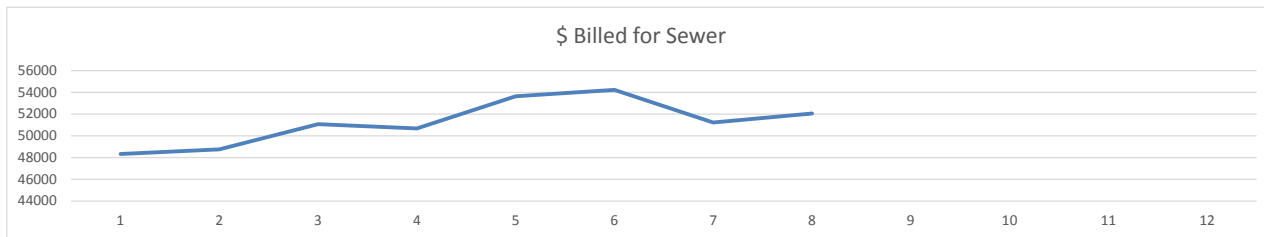
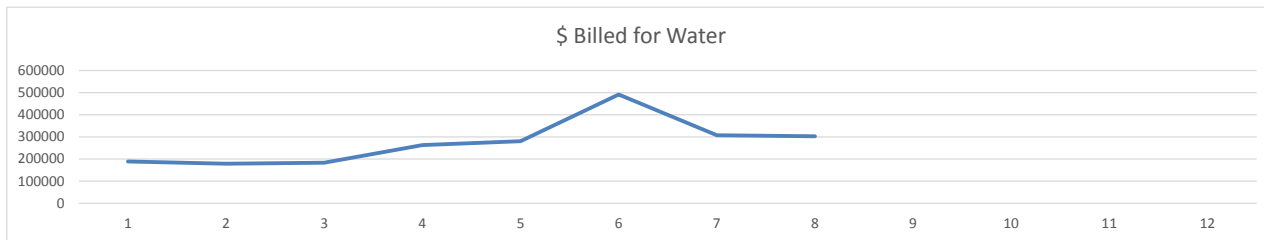
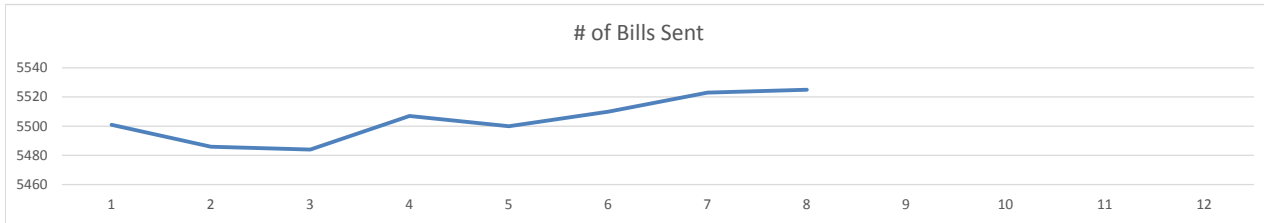
Customer Service Department Report

September 2018

- I. Billing:
 1. On August 30, 2018 billing was submitted and approved. Statements were mailed out on August 31, 2018.
- II. Penalties:
 1. Penalties for August 2018 totaled: \$ 5,138.18
 2. Penalties will be processed on September 25, 2018.
- III. Disconnects:
 1. On Tuesday, August 21, 2018 we disconnected accounts for non-payment. There were 104 accounts up for disconnection. A total of 75 users were disconnected.
 - Dona Ana: 61
 - Ft. Selden: 10
 - Picacho Hills: 3
 - Fairview: 1
 - Previously Locked: 3
 - Paid prior to disconnection: 22
 - Removed due to billing issues: 1Total Reconnections for August 2018: 69
Disconnects are scheduled for September 24, 2018.
- IV. Membership Certificates: Membership certificates are getting prepared for signatures.
- V. Document Scanning: Scanning is completed daily. Toward the end of the month we catch up on items we were not able to scan earlier in the month.
 - I. Total Membership as of August 31, 2018: 4,423
 - II. Total number of Connections as of August 31, 2018: 5,800

2018 Billing Summary

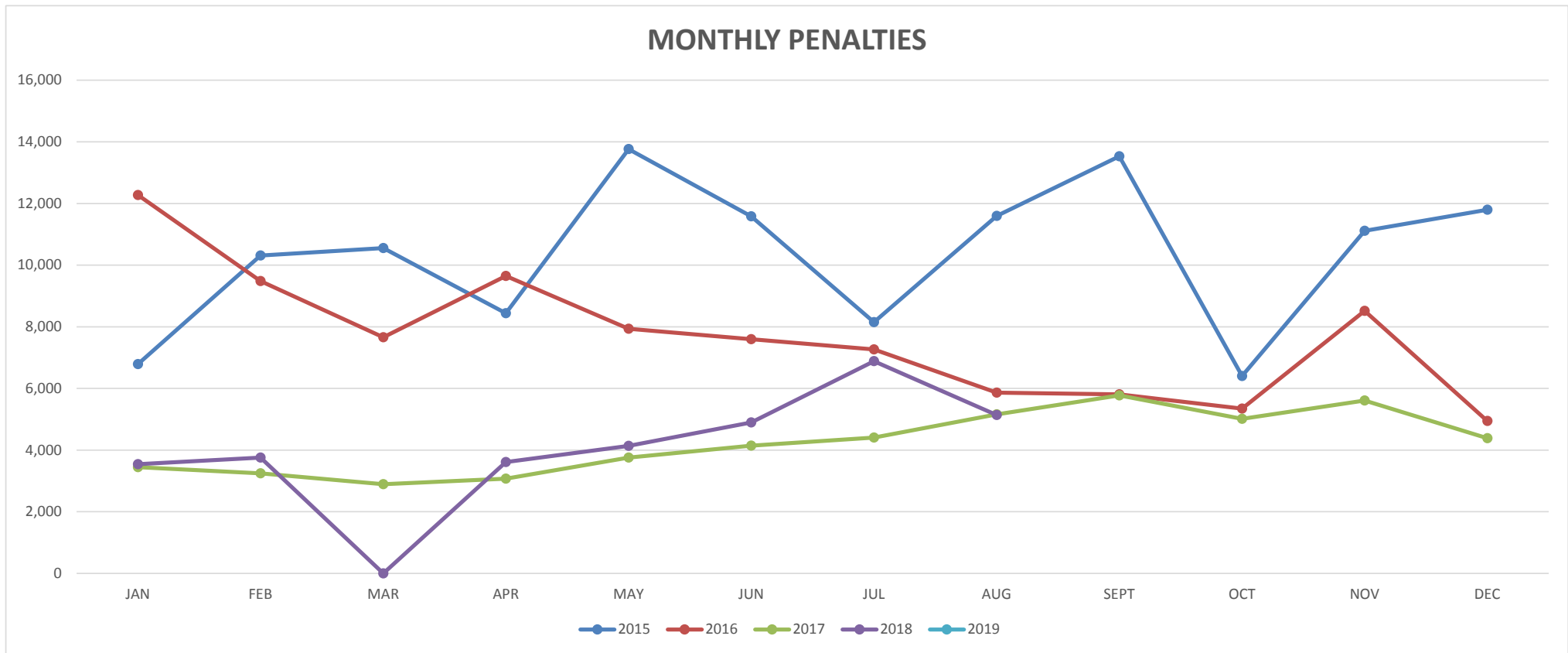
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
# of Bills Sent	5501	5486	5484	5507	5500	5510	5523	5525				
\$ Billed for Water	188955	179077	183633	263541	280799	491730	307406	302774				
\$ Billed for Sewer	48330.7	48765	51067	50684	53635.8	54229.5	51230	52062.1				
# of Active Accounts	5445	5434	5432	5441	5441	5439	5476	5474				
# of Members	4301	4301	4301	4362	4362	4362	4362	4362				



DOÑA ANA WATER SYSTEMS PUMPING DATA

Monthly Penalties

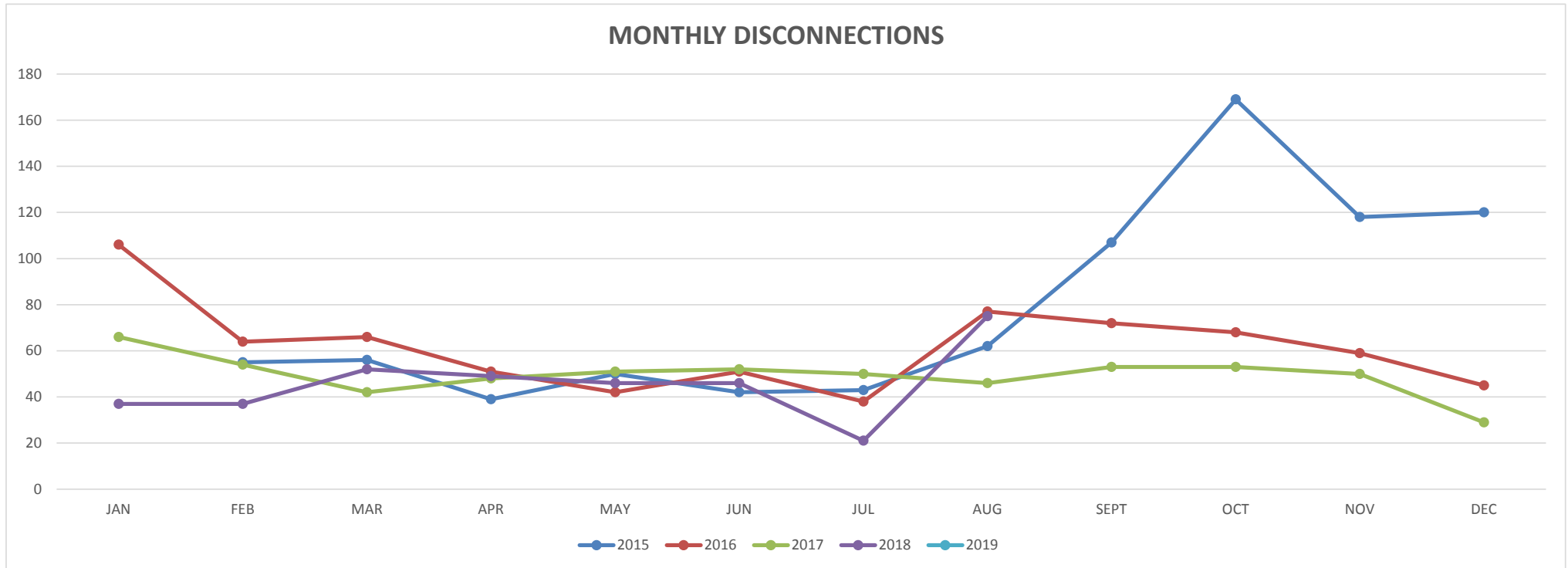
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	Yrly. Gal. Total
2015	6,792	10,310	10,552	8,442	13,762	11,580	8,152	11,594	13,528	6,404	11,110	11,794	124,020
2016	12,275	9,482	7,656	9,650	7,938	7,600	7,263	5,866	5,808	5,345	8,513	4,942	92,339
2017	3,444	3,242	2,893	3,074	3,753	4,141	4,409	5,157	5,775	5,011	5,606	4,387	50,894
2018	3,540	3,759	0	3,612	4,135	4,894	6,883	5,138					31,961
2019													0



DOÑA ANA WATER SYSTEMS PUMPING DATA

Monthly Disconnections

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	Yearly Total
2015		55	56	39	50	42	43	62	107	169	118	120	861
2016	106	64	66	51	42	51	38	77	72	68	59	45	739
2017	66	54	42	48	51	52	50	46	53	53	50	29	594
2018	37	37	52	49	46	46	21	75					363
2019													0





Bank Transaction Report

Transaction Detail

Issued Date Range: 08/01/2018 - 08/31/2018

Cleared Date Range: -

Issued Date	Cleared Date	Number	Description	Module	Status	Type	Amount
Bank Account: 5766205370 - Operating Account							
Bank Draft							
08/01/2018	08/31/2018	DFT0149FY19	UNUM	Accounts Payable	Cleared	Bank Draft	-998.92
08/02/2018	08/31/2018	DFT0106FY19	El Paso Electric	Accounts Payable	Cleared	Bank Draft	-915.41
08/02/2018	08/31/2018	DFT0115FY19	VISION SERVICE PLAN	Accounts Payable	Cleared	Bank Draft	-181.09
08/02/2018	08/31/2018	DFT0116FY19	United Healthcare	Accounts Payable	Cleared	Bank Draft	-11,167.83
08/02/2018	08/31/2018	DFT0117FY19	Kosh Solutions	Accounts Payable	Cleared	Bank Draft	-1,738.37
08/02/2018	08/31/2018	DFT0118FY19	Delta Dental of New Mexico	Accounts Payable	Cleared	Bank Draft	-610.60
08/02/2018	08/31/2018	DFT0150FY19	Authorize.net	Accounts Payable	Cleared	Bank Draft	-96.00
08/03/2018	08/31/2018	DFT0151FY19	Southwest Disposal	Accounts Payable	Cleared	Bank Draft	-225.33
08/06/2018	08/31/2018	DFT0152FY19	8 X 8 INC	Accounts Payable	Cleared	Bank Draft	-772.55
08/06/2018	08/31/2018	DFT0153FY19	Comcast	Accounts Payable	Cleared	Bank Draft	-189.43
08/06/2018	08/31/2018	DFT0211FY19	MEGAHURTZ COMPUTER CONSULTING, INC.	Accounts Payable	Cleared	Bank Draft	-54.16
08/07/2018	08/31/2018	DFT0137FY19	Public Employees Retirement Association	Accounts Payable	Cleared	Bank Draft	-5,428.07
08/07/2018	08/31/2018	DFT0138FY19	Internal Revenue Service	Accounts Payable	Cleared	Bank Draft	-6,504.51
08/08/2018	08/31/2018	DFT0143FY19	Internal Revenue Service	Accounts Payable	Cleared	Bank Draft	-25.52
08/10/2018	08/31/2018	DFT0154FY19	Wells Fargo Bank	Accounts Payable	Cleared	Bank Draft	-1,706.09
08/10/2018	08/31/2018	DFT0155FY19	Wells Fargo Bank	Accounts Payable	Cleared	Bank Draft	-208.01
08/13/2018	08/31/2018	DFT0156FY19	Wells Fargo Bank	Accounts Payable	Cleared	Bank Draft	-1,916.56
08/15/2018	08/31/2018	DFT0157FY19	Verizon Wireless	Accounts Payable	Cleared	Bank Draft	-464.81
08/16/2018	08/31/2018	DFT0144FY19	Lujan Commercial Cleaning	Accounts Payable	Cleared	Bank Draft	-649.88
08/17/2018	08/31/2018	DFT0158FY19	Comcast	Accounts Payable	Cleared	Bank Draft	-180.10
08/17/2018	08/31/2018	DFT0159FY19	AFLAC	Accounts Payable	Cleared	Bank Draft	-490.60
08/20/2018	08/31/2018	DFT0160FY19	Southwest Disposal	Accounts Payable	Cleared	Bank Draft	-129.53
08/21/2018	08/31/2018	DFT0146FY19	Internal Revenue Service	Accounts Payable	Cleared	Bank Draft	-6,811.31
08/22/2018	08/31/2018	DFT0162FY19	USDA-RUS	Accounts Payable	Cleared	Bank Draft	-2,376.00
08/22/2018	08/31/2018	DFT0163FY19	USDA-RUS	Accounts Payable	Cleared	Bank Draft	-7,291.00
08/23/2018	08/31/2018	DFT0147FY19	Public Employees Retirement Association	Accounts Payable	Cleared	Bank Draft	-5,442.69
08/23/2018		DFT0148FY19	RICOH	Accounts Payable	Outstanding	Bank Draft	-1,337.68
08/26/2018	08/31/2018	DFT0161FY19	Comcast	Accounts Payable	Cleared	Bank Draft	-229.66
08/30/2018		DFT0164FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-111.17
08/30/2018		DFT0165FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-404.36
08/30/2018		DFT0166FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-3,635.87
08/30/2018		DFT0167FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-954.49
08/30/2018		DFT0168FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-3,567.26
08/30/2018		DFT0169FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-22.21
08/30/2018		DFT0170FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-297.45

Bank Transaction Report

Issued Date Range: -

Issued Date	Cleared Date	Number	Description	Module	Status	Type	Amount
08/30/2018		DFT0171FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-939.44
08/30/2018		DFT0172FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-371.27
08/30/2018		DFT0173FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-744.13
08/30/2018		DFT0174FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-245.71
08/30/2018		DFT0175FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-16.75
08/30/2018		DFT0176FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-347.71
08/30/2018		DFT0177FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-171.08
08/30/2018		DFT0178FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-3,624.07
08/30/2018		DFT0179FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-837.59
08/30/2018		DFT0180FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-3,060.53
08/30/2018		DFT0181FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-65.98
08/30/2018		DFT0182FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-6,228.77
08/30/2018		DFT0183FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-3,158.86
08/31/2018		DFT0185FY19	WEX Fleet Universal	Accounts Payable	Outstanding	Bank Draft	-3,240.38
08/31/2018		DFT0186FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-21.78
08/31/2018		DFT0187FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-62.40
08/31/2018		DFT0188FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-15.25
08/31/2018		DFT0189FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-262.47
08/31/2018		DFT0190FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-172.51
08/31/2018		DFT0191FY19	Dona Ana Mutual Domestic Water Consumers Association	Accounts Payable	Outstanding	Bank Draft	-60.99
08/31/2018		DFT0192FY19	Dona Ana Mutual Domestic Water Consumers Association	Accounts Payable	Outstanding	Bank Draft	-97.59
08/31/2018		DFT0193FY19	Dona Ana Mutual Domestic Water Consumers Association	Accounts Payable	Outstanding	Bank Draft	-24.97
08/31/2018		DFT0194FY19	Dona Ana Mutual Domestic Water Consumers Association	Accounts Payable	Outstanding	Bank Draft	-33.41
08/31/2018		DFT0195FY19	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-15.25
08/31/2018		DFT0196FY19	City of Las Cruces	Accounts Payable	Outstanding	Bank Draft	-1,102.70
08/31/2018		DFT0197FY19	City of Las Cruces	Accounts Payable	Outstanding	Bank Draft	-381.11
08/31/2018		DFT0198FY19	City of Las Cruces	Accounts Payable	Outstanding	Bank Draft	-16.87
08/31/2018		DFT0199FY19	City of Las Cruces	Accounts Payable	Outstanding	Bank Draft	-381.11
08/31/2018		DFT0200FY19	City of Las Cruces	Accounts Payable	Outstanding	Bank Draft	-381.11
08/31/2018		DFT0201FY19	FLEETMATICS USA LLC	Accounts Payable	Outstanding	Bank Draft	-599.21
08/31/2018	08/31/2018	DFT0202FY19	Century Link	Accounts Payable	Cleared	Bank Draft	-60.50
08/31/2018		DFT0203FY19	Pitney Bowes Global Financial Services LLC	Accounts Payable	Outstanding	Bank Draft	-100.00
08/31/2018	08/31/2018	DFT0204FY19	Mastercard	Accounts Payable	Cleared	Bank Draft	-200.67
08/31/2018		DFT0205FY19	Mastercard	Accounts Payable	Outstanding	Bank Draft	-475.81
08/31/2018		DFT0206FY19	Wells Fargo Bank	Accounts Payable	Outstanding	Bank Draft	-6,768.74
08/31/2018		DFT0207FY19	New Mexico State Tax & Revenue	Accounts Payable	Outstanding	Bank Draft	-23,386.54
08/31/2018		DFT0208FY19	New Mexico State Tax & Revenue	Accounts Payable	Outstanding	Bank Draft	-1,711.43
08/31/2018		DFT0209FY19	New Mexico State Tax & Revenue	Accounts Payable	Outstanding	Bank Draft	-132.61
08/31/2018		DFT0210FY19	New Mexico State Tax & Revenue	Accounts Payable	Outstanding	Bank Draft	-445.56
08/31/2018		DFT0212FY19	FedEx	Accounts Payable	Outstanding	Bank Draft	-253.32
08/31/2018		DFT0213FY19	City of Las Cruces	Accounts Payable	Outstanding	Bank Draft	-7,605.26
08/31/2018		DFT0214FY19	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-25.37
08/31/2018		DFT0215FY19	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-16.25

Bank Transaction Report

Issued Date Range: -

Issued Date	Cleared Date	Number	Description	Module	Status	Type	Amount
08/31/2018		DFT0216FY19	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-11.76
08/31/2018		DFT0217FY19	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-19.51
08/31/2018		DFT0218FY19	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-16.25
08/31/2018		DFT0219FY19	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-20.16
Bank Draft Total: (82)							-135,065.26
Check							
08/03/2018	08/31/2018	23611	Sunbelt Insurance Group	Accounts Payable	Cleared	Check	-9,150.10
08/13/2018	08/31/2018	23614	Advanced Communications & Electronics, Inc.	Accounts Payable	Cleared	Check	-260.77
08/13/2018	08/31/2018	23615	Airgas- Southwest	Accounts Payable	Cleared	Check	-570.05
08/13/2018	08/31/2018	23616	Water Technology Associates	Accounts Payable	Cleared	Check	-15.00
08/16/2018	08/31/2018	23617	Core & Main	Accounts Payable	Cleared	Check	-993.00
08/16/2018	08/31/2018	23618	Cross Town Construction	Accounts Payable	Cleared	Check	-26,682.16
08/16/2018	08/31/2018	23619	Daniel Hortert	Accounts Payable	Cleared	Check	-95.00
08/16/2018	08/31/2018	23620	DPC Industries, Inc.	Accounts Payable	Cleared	Check	-240.00
08/16/2018	08/31/2018	23621	DR. KURT ANDERSON	Accounts Payable	Cleared	Check	-95.00
08/16/2018	08/31/2018	23622	Gregory Roberts	Accounts Payable	Cleared	Check	-95.00
08/16/2018	08/31/2018	23623	Internal Revenue Service	Accounts Payable	Cleared	Check	-6,679.01
08/16/2018	08/31/2018	23624	Jose Martinez	Accounts Payable	Cleared	Check	-25.10
08/16/2018	08/31/2018	23625	Maddox Plumbing	Accounts Payable	Cleared	Check	-657.96
08/16/2018		23626	Melton, James	Accounts Payable	Outstanding	Check	-95.00
08/16/2018		23627	Morales, Christian	Accounts Payable	Outstanding	Check	-18.61
08/16/2018	08/31/2018	23628	Postal Pros Southwest, Inc.	Accounts Payable	Cleared	Check	-3,023.65
08/16/2018	08/31/2018	23629	Sisbarro	Accounts Payable	Cleared	Check	-129.81
08/16/2018	08/31/2018	23630	Water Technology Associates	Accounts Payable	Cleared	Check	-61.74
08/29/2018		23631	VICTORIA MARTINEZ	Utility Billing	Outstanding	Check	-45.68
08/29/2018		23632	MARCO CARRASCO	Utility Billing	Outstanding	Check	-24.01
08/29/2018		23633	MICHAEL RENE SANCHEZ	Utility Billing	Outstanding	Check	-77.19
08/29/2018		23634	LORENA B CHAVEZ	Utility Billing	Outstanding	Check	-55.70
08/29/2018		23635	STEPHEN JAUREQUI	Utility Billing	Outstanding	Check	-81.04
08/29/2018		23636	JONNA T HAMILTON	Utility Billing	Outstanding	Check	-2.66
08/29/2018		23637	ROBERT LUCAS	Utility Billing	Outstanding	Check	-48.97
08/29/2018		23638	SHIRLEY BECKER	Utility Billing	Outstanding	Check	-26.68
08/29/2018		23639	GABRIEL BARELA	Utility Billing	Outstanding	Check	-20.50
08/29/2018		23640	TIERRA DEL SOL HOUSING	Utility Billing	Outstanding	Check	-55.54
08/29/2018		23641	ZIA HOMESITES, LLC	Utility Billing	Outstanding	Check	-7.62
08/29/2018		23642	SHIRLEY SPICZAK	Utility Billing	Outstanding	Check	-27.44
08/29/2018		23643	ALBERTO LOZANO	Utility Billing	Outstanding	Check	-58.89
08/29/2018		23644	ADAM BRITO	Utility Billing	Outstanding	Check	-25.84
08/29/2018		23645	DESERT VIEW HOMES	Utility Billing	Outstanding	Check	-26.44
08/29/2018		23646	PAMELA REINHARD	Utility Billing	Outstanding	Check	-117.63
08/29/2018		23647	SCOTT BAYMILLER	Utility Billing	Outstanding	Check	-22.86
08/29/2018		23648	DONNA A. WOOD	Utility Billing	Outstanding	Check	-140.61

Bank Transaction Report

Issued Date Range: -

Issued Date	Cleared Date	Number	Description	Module	Status	Type	Amount
08/29/2018		23649	BUREAU OF LAND MANAGEMENT	Utility Billing	Outstanding	Check	-456.99
08/31/2018		23650	Baker Utility Supply Corp.	Accounts Payable	Outstanding	Check	-115.88
08/31/2018		23651	Core & Main	Accounts Payable	Outstanding	Check	-30,689.10
08/31/2018		23652	Dona Ana County	Accounts Payable	Outstanding	Check	-100.00
08/31/2018		23653	Ferguson Waterworks	Accounts Payable	Outstanding	Check	-1,027.69
08/31/2018		23654	New Mexico Rural Water Association	Accounts Payable	Outstanding	Check	-1,500.00
08/31/2018		23655	NMED Utility Operator Certification Program	Accounts Payable	Outstanding	Check	-30.00
08/31/2018		23656	NMED Utility Operator Certification Program	Accounts Payable	Outstanding	Check	-30.00
08/31/2018		23657	Pat Campbell Insurance	Accounts Payable	Outstanding	Check	-46,577.00
08/31/2018		23658	Pollard Water	Accounts Payable	Outstanding	Check	-39.25
08/31/2018		23659	Red Wing Shoes of Las Cruces	Accounts Payable	Outstanding	Check	-1,813.00
08/31/2018		23660	Sisbarro	Accounts Payable	Outstanding	Check	-618.10
08/31/2018		23661	Water Technology Associates	Accounts Payable	Outstanding	Check	-125.48
08/31/2018		23662	American Document Services	Accounts Payable	Outstanding	Check	-117.63
08/31/2018		23663	Big Star Hardware	Accounts Payable	Outstanding	Check	-12.96
08/31/2018		23664	Horton, Jennifer	Accounts Payable	Outstanding	Check	-192.60
08/31/2018		23665	Lubrication Engineers, Inc.	Accounts Payable	Outstanding	Check	-1,292.03
08/31/2018		23666	O'Reilly Auto Parts	Accounts Payable	Outstanding	Check	-115.04
08/31/2018		23667	Pollard Water	Accounts Payable	Outstanding	Check	-3,704.00
08/31/2018		23668	Rio Grande Pump & Supply Company	Accounts Payable	Outstanding	Check	-1,344.00
08/31/2018		23674	DPC Industries, Inc.	Accounts Payable	Outstanding	Check	-5,518.32
08/31/2018		23675	JOHNSTON'S TRUE VALUE HARDWARE	Accounts Payable	Outstanding	Check	-979.58
08/31/2018		23676	Maddox Plumbing	Accounts Payable	Outstanding	Check	-106.97
08/31/2018		23677	Water Technology Associates	Accounts Payable	Outstanding	Check	-110.48
Check Total: (60)							-146,368.36
EFT							
08/02/2018	08/31/2018	447	New Mexico Finance Authority	Accounts Payable	Cleared	EFT	-1,754.40
08/02/2018	08/31/2018	448	New Mexico Finance Authority	Accounts Payable	Cleared	EFT	-10,437.71
08/02/2018	08/31/2018	449	New Mexico Finance Authority	Accounts Payable	Cleared	EFT	-7,925.09
08/06/2018	08/31/2018	DFT0136FY19	Payroll EFT	Payroll	Cleared	EFT	-21,869.65
08/06/2018	08/31/2018	DFT0142FY19	Payroll EFT	Payroll	Cleared	EFT	-70.50
08/13/2018	08/31/2018	450	Pure Operations LLC	Accounts Payable	Cleared	EFT	-1,774.00
08/16/2018	08/31/2018	451	Pure Operations LLC	Accounts Payable	Cleared	EFT	-1,774.00
08/20/2018	08/31/2018	DFT0145FY19	Payroll EFT	Payroll	Cleared	EFT	-22,775.49
08/31/2018		DFT0184FY19	Payroll EFT	Payroll	Outstanding	EFT	-21,860.19
EFT Total: (9)							-90,241.03
Bank Account 5766205370 Total: (151)							-371,674.65
Report Total: (151)							-371,674.65

Bank Transaction Report

Issued Date Range: -

Summary

Bank Account	Count	Amount
5766205370 Operating Account	151	-371,674.65
Report Total:	151	-371,674.65

Cash Account	Count	Amount
100 100-10-1000 General Checking 5370	151	-371,674.65
Report Total:	151	-371,674.65

Transaction Type	Count	Amount
Bank Draft	82	-135,065.26
Check	60	-146,368.36
EFT	9	-90,241.03
Report Total:	151	-371,674.65



Budget Report Group Summary

For Fiscal: FY 2018 - 2019 Period Ending: 08/31/2018

StateRpt...	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 100 - General Operating Fund						
Revenue						
400 - Water & Wastewater Sales	4,015,000.00	4,015,000.00	383,119.66	830,349.12	-3,184,650.88	79.32 %
410 - Connection/Reconnection Charges	503,650.00	503,650.00	52,981.02	116,233.23	-387,416.77	76.92 %
420 - Membership & Service Fees	406,918.00	406,918.00	6,184.99	13,231.73	-393,686.27	96.75 %
430 - Late Fees & Penalties	55,500.00	55,500.00	8,506.49	14,294.91	-41,205.09	74.24 %
440 - Taxes	20,000.00	20,000.00	1,979.14	4,466.07	-15,533.93	77.67 %
450 - Other Operating Revenue	66,700.00	66,700.00	3,401.21	13,165.16	-53,534.84	80.26 %
Revenue Total:	5,067,768.00	5,067,768.00	456,172.51	991,740.22	-4,076,027.78	80.43 %
Expense						
440 - Taxes	0.00	0.00	0.00	478.50	-478.50	0.00 %
500 - Salaries	969,500.00	969,500.00	62,204.19	122,378.97	847,121.03	87.38 %
501 - Employee Benefits	368,600.00	368,600.00	23,792.08	53,263.38	315,336.62	85.55 %
505 - Electricity	315,000.00	315,000.00	29,354.36	61,710.02	253,289.98	80.41 %
515 - Other Utilities - Gas, Water, Sewer, Telephone	36,800.00	36,800.00	2,649.20	5,524.84	31,275.16	84.99 %
520 - System Parts & Supplies	600,500.00	600,500.00	29,795.74	67,497.51	533,002.49	88.76 %
525 - System Repairs and Maintenance	300,000.00	300,000.00	27,902.43	35,253.05	264,746.95	88.25 %
530 - Vehicles Expenses	46,000.00	46,000.00	4,203.07	8,002.41	37,997.59	82.60 %
535 - Office and Administrative Expenses	152,620.00	152,620.00	6,649.84	15,441.98	137,178.02	89.88 %
540 - Professional Services - Accounting, Engineering, L	275,900.00	275,900.00	3,345.34	14,847.04	261,052.96	94.62 %
545 - Insurance	50,000.00	50,000.00	46,577.00	46,577.00	3,423.00	6.85 %
550 - Due, Fees, Permits and Licenses	142,820.00	142,820.00	3,820.16	8,589.70	134,230.30	93.99 %
555 - Taxes - Gross Receipts Tax, Conservation Fee	269,000.00	269,000.00	23,781.45	50,341.87	218,658.13	81.29 %
560 - Training	36,500.00	36,500.00	1,842.66	2,238.59	34,261.41	93.87 %
590 - Miscellaneous	176,350.00	176,350.00	10,906.42	21,727.07	154,622.93	87.68 %
599 - Debt Payments	824,000.00	824,000.00	29,784.20	78,833.84	745,166.16	90.43 %
750 - Water Rights Expense	100,000.00	100,000.00	0.00	0.00	100,000.00	100.00 %
Expense Total:	4,663,590.00	4,663,590.00	306,608.14	592,705.77	4,070,884.23	87.29 %
Fund: 100 - General Operating Fund Surplus (Deficit):	404,178.00	404,178.00	149,564.37	399,034.45	-5,143.55	1.27 %
Fund: 200 - Grant/Loan Fund						
Revenue						
600 - Grant Revenue	5,000,000.00	5,000,000.00	273,989.94	395,722.92	-4,604,277.08	92.09 %
Revenue Total:	5,000,000.00	5,000,000.00	273,989.94	395,722.92	-4,604,277.08	92.09 %
Expense						
650 - Grant Expense	5,000,000.00	5,000,000.00	273,989.94	274,626.19	4,725,373.81	94.51 %
Expense Total:	5,000,000.00	5,000,000.00	273,989.94	274,626.19	4,725,373.81	94.51 %
Fund: 200 - Grant/Loan Fund Surplus (Deficit):	0.00	0.00	0.00	121,096.73	121,096.73	0.00 %
Fund: 900 - Restricted Reserve Fund						
Expense						
650 - Grant Expense	100,000.00	100,000.00	0.00	0.00	100,000.00	100.00 %
740 - Capital Purchases	301,000.00	301,000.00	406.86	8,466.82	292,533.18	97.19 %
Expense Total:	401,000.00	401,000.00	406.86	8,466.82	392,533.18	97.89 %
Fund: 900 - Restricted Reserve Fund Total:	401,000.00	401,000.00	406.86	8,466.82	392,533.18	97.89 %
Report Surplus (Deficit):	3,178.00	3,178.00	149,157.51	511,664.36	508,486.36	16,000.20 %

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
100 - General Operating Fund	404,178.00	404,178.00	149,564.37	399,034.45	-5,143.55
200 - Grant/Loan Fund	0.00	0.00	0.00	121,096.73	121,096.73
900 - Restricted Reserve Fund	-401,000.00	-401,000.00	-406.86	-8,466.82	392,533.18
Report Surplus (Deficit):	3,178.00	3,178.00	149,157.51	511,664.36	508,486.36



Balance Sheet

Account Summary

As Of 08/31/2018

	Prior Year Balance	Current Year Balance	Variance Favorable / (Unfavorable)
Fund: 100 - General Operating Fund			
Assets			
ReportOnly1: 10 - Current Assets			
100 - Cash & Cash Equivalents	956,344.10	1,398,108.51	441,764.41
105 - Due From Other Governments	0.00	0.00	0.00
110 - Accounts Receivable	0.00	2,463.19	2,463.19
120 - Fund Transfers	1,725,977.27	1,619,105.25	-106,872.02
130 - Inventories	60,101.32	94,407.74	34,306.42
140 - Prepaid Expenses	0.00	0.00	0.00
145 - Refundable Deposits	0.00	0.00	0.00
146 - Restricted Cash	66,511.24	66,514.63	3.39
147 - Restricted Investments	0.00	0.00	0.00
Total ReportOnly1 10 - Current Assets:	2,808,933.93	3,180,599.32	371,665.39
ReportOnly1: 15 - Long-term Assets			
150 - Capital Assets, Net	0.00	0.00	0.00
Total ReportOnly1 15 - Long-term Assets:	0.00	0.00	0.00
Total Assets:	2,808,933.93	3,180,599.32	371,665.39
Liability			
ReportOnly1: 10 - Current Assets			
105 - Due From Other Governments	0.00	0.00	0.00
Total ReportOnly1 10 - Current Assets:	0.00	0.00	0.00
ReportOnly1: 20 - Short-term Liabilities			
200 - Accounts Payable	7,883.74	-16,428.73	24,312.47
210 - Due to Other Governments	0.00	0.00	0.00
214 - Accrued Payroll	0.00	-3,056.59	3,056.59
222 - Customer Deposits	0.00	0.00	0.00
Total ReportOnly1 20 - Short-term Liabilities:	7,883.74	-19,485.32	27,369.06
ReportOnly1: 25 - Long-term Liabilities			
250 - Compensated Absences	0.00	0.00	0.00
251 - Long-term Debt	0.00	0.00	0.00
Total ReportOnly1 25 - Long-term Liabilities:	0.00	0.00	0.00
Total Liability:	7,883.74	-19,485.32	27,369.06
Equity			
ReportOnly1: 30 - Net Assets			
300 - Net Assets	1,847,914.56	2,801,050.19	0.00
Total ReportOnly1 30 - Net Assets:	1,847,914.56	2,801,050.19	0.00
Total Beginning Equity:	1,847,914.56	2,801,050.19	0.00
Total Revenue	4,452,135.65	991,740.22	-3,460,395.43
Total Expense	3,499,000.02	592,705.77	2,906,294.25
Revenues Over/(Under) Expenses	953,135.63	399,034.45	-554,101.18
Total Equity and Current Surplus (Deficit):	2,801,050.19	3,200,084.64	399,034.45
Total Liabilities, Equity and Current Surplus (Deficit):	2,808,933.93	3,180,599.32	371,665.39

Balance Sheet

As Of 08/31/2018

	Prior Year Balance	Current Year Balance	Variance Favorable / (Unfavorable)
Fund: 200 - Grant/Loan Fund			
Assets			
ReportOnly1: 10 - Current Assets			
100 - Cash & Cash Equivalents	0.00	0.00	0.00
105 - Due From Other Governments	0.00	0.00	0.00
120 - Fund Transfers	-772,534.47	-651,437.74	121,096.73
146 - Restricted Cash	0.00	0.00	0.00
Total ReportOnly1 10 - Current Assets:	-772,534.47	-651,437.74	121,096.73
ReportOnly1: 15 - Long-term Assets			
150 - Capital Assets, Net	0.00	0.00	0.00
Total ReportOnly1 15 - Long-term Assets:	0.00	0.00	0.00
Total Assets:	-772,534.47	-651,437.74	121,096.73
Liability			
ReportOnly1: 20 - Short-term Liabilities			
200 - Accounts Payable	0.00	0.00	0.00
Total ReportOnly1 20 - Short-term Liabilities:	0.00	0.00	0.00
ReportOnly1: 25 - Long-term Liabilities			
251 - Long-term Debt	0.00	0.00	0.00
Total ReportOnly1 25 - Long-term Liabilities:	0.00	0.00	0.00
Total Liability:	0.00	0.00	0.00
Equity			
ReportOnly1: 30 - Net Assets			
300 - Net Assets	-685,366.78	-772,534.47	0.00
Total ReportOnly1 30 - Net Assets:	-685,366.78	-772,534.47	0.00
Total Beginning Equity:	-685,366.78	-772,534.47	0.00
Total Revenue	1,644,745.58	395,722.92	-1,249,022.66
Total Expense	1,731,913.27	274,626.19	1,457,287.08
Revenues Over/(Under) Expenses	-87,167.69	121,096.73	208,264.42
Total Equity and Current Surplus (Deficit):	-772,534.47	-651,437.74	121,096.73
Total Liabilities, Equity and Current Surplus (Deficit):	-772,534.47	-651,437.74	121,096.73

Balance Sheet

As Of 08/31/2018

	Prior Year Balance	Current Year Balance	Variance Favorable / (Unfavorable)
Fund: 900 - Restricted Reserve Fund			
Assets			
ReportOnly1: 10 - Current Assets			
100 - Cash & Cash Equivalents	0.00	0.00	0.00
110 - Accounts Receivable	0.00	0.00	0.00
120 - Fund Transfers	-953,442.80	-967,667.51	-14,224.71
146 - Restricted Cash	0.00	0.00	0.00
147 - Restricted Investments	1,656,809.28	1,662,567.17	5,757.89
Total ReportOnly1 10 - Current Assets:	703,366.48	694,899.66	-8,466.82
Total Assets:	703,366.48	694,899.66	-8,466.82
Liability			
ReportOnly1: 20 - Short-term Liabilities			
200 - Accounts Payable	0.00	0.00	0.00
Total ReportOnly1 20 - Short-term Liabilities:	0.00	0.00	0.00
Total Liability:	0.00	0.00	0.00
Equity			
ReportOnly1: 30 - Net Assets			
300 - Net Assets	765,066.65	703,366.48	0.00
Total ReportOnly1 30 - Net Assets:	765,066.65	703,366.48	0.00
Total Beginning Equity:	765,066.65	703,366.48	0.00
Total Expense	61,700.17	8,466.82	53,233.35
Revenues Over/(Under) Expenses	-61,700.17	-8,466.82	53,233.35
Total Equity and Current Surplus (Deficit):	703,366.48	694,899.66	-8,466.82
Total Liabilities, Equity and Current Surplus (Deficit):	703,366.48	694,899.66	-8,466.82



Income Statement Group Summary

For Fiscal: FY 2018 - 2019 Period Ending: 08/31/2018

FedRpt2	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Fund: 100 - General Operating Fund					
Revenue					
400 - Water Sales	4,210,000.00	4,210,000.00	399,249.65	869,917.00	3,340,083.00
405 - Pntly/Disconnects	146,900.00	146,900.00	19,901.62	33,528.92	113,371.08
410 - Installations	619,168.00	619,168.00	31,651.28	71,191.64	547,976.36
430 - Miscellaneous	71,700.00	71,700.00	5,355.91	9,948.88	61,751.12
700 - Investment / Interest	20,000.00	20,000.00	14.05	7,153.78	12,846.22
Revenue Total:	5,067,768.00	5,067,768.00	456,172.51	991,740.22	4,076,027.78
Expense					
500 - Salaries/Benefits	1,301,100.00	1,301,100.00	85,996.27	169,768.35	1,131,331.65
510 - Tax / Insurance	331,500.00	331,500.00	68,068.85	99,474.40	232,025.60
515 - Utilities/Fuel/Oil	385,300.00	385,300.00	35,343.68	73,282.19	312,017.81
520 - Supplies/Expense	1,080,070.00	1,080,070.00	66,789.39	116,577.95	963,492.05
525 - Debt Services	584,000.00	584,000.00	22,037.80	66,729.40	517,270.60
530 - Interest	240,000.00	240,000.00	7,746.40	12,104.44	227,895.56
540 - Dues, Fees, permits, and licenses	77,720.00	77,720.00	0.00	0.00	77,720.00
570 - Office and administrative expense	109,500.00	109,500.00	9,150.10	18,244.05	91,255.95
580 - Professional fees	280,400.00	280,400.00	3,345.34	14,847.04	265,552.96
590 - Repairs and maintenance	0.00	0.00	525.05	525.05	-525.05
620 - Other operating expenses	174,000.00	174,000.00	7,605.26	21,152.90	152,847.10
640 - Capital expenditures	100,000.00	100,000.00	0.00	0.00	100,000.00
Expense Total:	4,663,590.00	4,663,590.00	306,608.14	592,705.77	4,070,884.23
Fund: 100 - General Operating Fund Surplus (Deficit):	404,178.00	404,178.00	149,564.37	399,034.45	5,143.55
Fund: 200 - Grant/Loan Fund					
Revenue					
650 - Grant/Loan Revenue	5,000,000.00	5,000,000.00	273,989.94	395,722.92	4,604,277.08
Revenue Total:	5,000,000.00	5,000,000.00	273,989.94	395,722.92	4,604,277.08
Expense					
660 - Grant/Loan Expense	5,000,000.00	5,000,000.00	273,989.94	274,626.19	4,725,373.81
Expense Total:	5,000,000.00	5,000,000.00	273,989.94	274,626.19	4,725,373.81
Fund: 200 - Grant/Loan Fund Surplus (Deficit):	0.00	0.00	0.00	121,096.73	-121,096.73
Fund: 900 - Restricted Reserve Fund					
Expense					
520 - Supplies/Expense	301,000.00	301,000.00	406.86	8,466.82	292,533.18
660 - Grant/Loan Expense	100,000.00	100,000.00	0.00	0.00	100,000.00
Expense Total:	401,000.00	401,000.00	406.86	8,466.82	392,533.18
Fund: 900 - Restricted Reserve Fund Total:	401,000.00	401,000.00	406.86	8,466.82	392,533.18
Total Surplus (Deficit):	3,178.00	3,178.00	149,157.51	511,664.36	-508,486.36

Fund Summary

Fund	Original	Current	MTD Activity	YTD Activity	Budget
	Total Budget	Total Budget			Remaining
100 - General Operating Fund	404,178.00	404,178.00	149,564.37	399,034.45	5,143.55
200 - Grant/Loan Fund	0.00	0.00	0.00	121,096.73	-121,096.73
900 - Restricted Reserve Fund	-401,000.00	-401,000.00	-406.86	-8,466.82	-392,533.18
Total Surplus (Deficit):	3,178.00	3,178.00	149,157.51	511,664.36	-508,486.36



Project Budget Report

Date Range 07/01/2014 - 08/31/2018

Project Number	Project Name	Group	Period Budget	Period Activity	Variance Favorable (Unfavorable)	Total Budget	Total Activity	Variance Favorable (Unfavorable)
CI 3507	CI 3507	DAMDWCA						
	Revenue							
	Account Key	Account Name						
	CI 3507	CI 3507	1,200,000.00	650,924.63	-549,075.37	1,200,000.00	650,924.63	-549,075.37
		Total Revenue:	1,200,000.00	650,924.63	-549,075.37	1,200,000.00	650,924.63	-549,075.37
		Total CI 3507 - CI 3507:	1,200,000.00	650,924.63	-549,075.37	1,200,000.00	650,924.63	-549,075.37
CI 4121	CI 4121	DAMDWCA						
	Revenue							
	Account Key	Account Name						
	CI 4121	CI 4121	780,000.00	0.00	-780,000.00	780,000.00	0.00	-780,000.00
		Total Revenue:	780,000.00	0.00	-780,000.00	780,000.00	0.00	-780,000.00
		Total CI 4121 - CI 4121:	780,000.00	0.00	-780,000.00	780,000.00	0.00	-780,000.00
CI 4634	CI 4634	DAMDWCA						
	Revenue							
	Account Key	Account Name						
	CI 4634	CI 4634	0.00	0.00	0.00	1,100,000.00	0.00	-1,100,000.00
		Total Revenue:	0.00	0.00	0.00	1,100,000.00	0.00	-1,100,000.00
		Total CI 4634 - CI 4634:	0.00	0.00	0.00	1,100,000.00	0.00	-1,100,000.00
DW 3382	Drinking Water State Revolving Loan Fund	DAMDWCA						
	Revenue							
	Account Key	Account Name						
	DW 3382	DW 3382	3,000,000.00	1,677,538.69	-1,322,461.31	3,000,000.00	1,677,538.69	-1,322,461.31
		Total Revenue:	3,000,000.00	1,677,538.69	-1,322,461.31	3,000,000.00	1,677,538.69	-1,322,461.31
		Total DW 3382 - Drinking Water State Revolving Loan Fund:	3,000,000.00	1,677,538.69	-1,322,461.31	3,000,000.00	1,677,538.69	-1,322,461.31
RIP 0002	NMED RIP 0002	DAMDWCA						
	Revenue							
	Account Key	Account Name						
	RIP 0002	RIP 0002	2,000,000.00	0.00	-2,000,000.00	2,000,000.00	0.00	-2,000,000.00
		Total Revenue:	2,000,000.00	0.00	-2,000,000.00	2,000,000.00	0.00	-2,000,000.00
		Total RIP 0002 - NMED RIP 0002:	2,000,000.00	0.00	-2,000,000.00	2,000,000.00	0.00	-2,000,000.00

Project Budget Report

Date Range 07/01/2014 - 08/31/2018

Project Number	Project Name	Group	Period Budget	Period Activity	Variance Favorable (Unfavorable)	Total Budget	Total Activity	Variance Favorable (Unfavorable)
RIP 00023	NMED RIP 00023	DAMDWCA						
	Revenue							
	Account Key	Account Name						
	RIP 00023	RIP 00023	2,000,000.00	0.00	-2,000,000.00	2,000,000.00	0.00	-2,000,000.00
		Total Revenue:	2,000,000.00	0.00	-2,000,000.00	2,000,000.00	0.00	-2,000,000.00
		Total RIP 00023 - NMED RIP 00023:	2,000,000.00	0.00	-2,000,000.00	2,000,000.00	0.00	-2,000,000.00
RIP 2014 - 01	NMED RIP 2014 - 01	DAMDWCA						
	Revenue							
	Account Key	Account Name						
	RIP 2014 - 01	RIP 2014 - 01	2,000,000.00	1,437,392.46	-562,607.54	2,000,000.00	1,437,392.46	-562,607.54
		Total Revenue:	2,000,000.00	1,437,392.46	-562,607.54	2,000,000.00	1,437,392.46	-562,607.54
		Total RIP 2014 - 01 - NMED RIP 2014 - 01:	2,000,000.00	1,437,392.46	-562,607.54	2,000,000.00	1,437,392.46	-562,607.54
USDA Radium	USDA Radium	DAMDWCA						
	Revenue							
	Account Key	Account Name						
	USDA Radium	USDA Radium Springs Water Rehab	0.00	0.00	0.00	4,636,455.00	0.00	-4,636,455.00
		Total Revenue:	0.00	0.00	0.00	4,636,455.00	0.00	-4,636,455.00
		Total USDA Radium - USDA Radium:	0.00	0.00	0.00	4,636,455.00	0.00	-4,636,455.00
		Report Total:	10,980,000.00	3,765,855.78	-7,214,144.22	16,716,455.00	3,765,855.78	-12,950,599.22

Group Totals

Group	Period Budget	Period Activity	Variance Favorable (Unfavorable)	Total Budget	Total Activity	Variance Favorable (Unfavorable)
DAMDWCA	10,980,000.00	3,765,855.78	-7,214,144.22	16,716,455.00	3,765,855.78	-12,950,599.22
Report Revenues Over/(Under) Expenses:	10,980,000.00	3,765,855.78	-7,214,144.22	16,716,455.00	3,765,855.78	-12,950,599.22

Type Totals

Type	Period Budget	Period Activity	Variance Favorable (Unfavorable)	Total Budget	Total Activity	Variance Favorable (Unfavorable)
Federal Funding	3,000,000.00	1,677,538.69	-1,322,461.31	7,636,455.00	1,677,538.69	-5,958,916.31
State Funding	7,980,000.00	2,088,317.09	-5,891,682.91	9,080,000.00	2,088,317.09	-6,991,682.91
Report Revenues Over/(Under) Expenses:	10,980,000.00	3,765,855.78	-7,214,144.22	16,716,455.00	3,765,855.78	-12,950,599.22



**DOÑA ANA
MUTUAL DOMESTIC
WATER CONSUMERS
ASSOCIATION**

**Water
Conservation
Plan**

September 2018

Plan prepared by:

*Souder, Miller and Associates
3500 Sedona Hills Pkwy.
Las Cruces, NM 88011*

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ABBREVIATIONS AND ACRONYMS

AWWA	American Water and Wastewater Association
Doña Ana MDWCA	Doña Ana Mutual Water Consumer’s Association
EPA	Environmental Protection Agency
GPCD	gallons per capita day
gpm	gallons per minute
HDPE	High density polyethylene
ICI	Industrial, commercial and institutional
mfr	multi-family residence
MG	million gallons
NMED	New Mexico Environment Department
NMOSE	New Mexico Office of the State Engineer
PVC	polyvinyl chloride
SCADA	System Control and Data Acquisition
sfr	single family residence
SMA	Souder, Miller & Associates
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency

EXECUTIVE SUMMARY

The Doña Ana Mutual Domestic Water Consumers Association (Doña Ana MDWCA) provides potable water for over 5,250 connections in an area extending over more than 57,000 acres north and west of the City of Las Cruces in Doña Ana County, New Mexico. The Association was formed in 1974, recently adding the Fairview, Picacho Hills and Radium Springs areas to its service area through the acquisition of assets of the Fairview Estates Water System, Picacho Hills Utility Company and Fort Selden Water Company. These acquisitions added 1,388 customers to the Doña Ana MDWCA service area.

The Doña Ana MDWCA distribution system consists of piping that varies from less than 1-inch in diameter in the Fairview area up to 18-inches in the Doña Ana portion of the system. The Doña Ana MDWCA system is supplied by thirteen wells, including five wells in Doña Ana, two in Fairview Estates, three in Picacho Hills and three in Radium Springs. The supply wells can provide up to 5,200 gallons per minute (gpm).

An American Water and Wastewater Association (AWWA) Water Audit and New Mexico Office of the State Engineer (NMOSE) gallon per capita per day (GPCD) spreadsheet analysis was performed as part of this work and those documents are included as attachments to this Water Conservation Plan. The Water Audit identified several areas where infrastructure and operational improvements can be made to increase the overall efficiency of the water system.

The GPCD analysis showed the 2016 per capita use for the Doña Ana MDWCA water system to be approximately 106 GPCD. The Association serves a population of approximately 14,911 people. When compared to other communities in the southwest, 106 GPCD is relatively low. Total gallons per capita per day usage has been relatively stable the last three years averaging 103 GPCD since 2011, including an estimated 5.1% water loss average across the system. Usage levels are likely lower than average due to the rural, underdeveloped nature of the area and the aggressive rate structure which promotes conservation. All of the system's water is metered and billed, unless it is lost through leakage within the distribution system.

Doña Ana MDWCA reviewed the findings of the AWWA Water Audit and the GPCD report, along with potential Water Conservation Best Management Practices (BMP's) to determine the best strategy to conserve water and increase the efficiency of the water system.

The Association has adopted the following goals for the water conservation program:

- Maintain water losses below 10%,
- Maintain residential GPCD below 120,
- Educate the public about water conservation, and
- Increase the water audit data validity score from 77 to 80 by 2025.

While Doña Ana MDWCA actively encourages voluntary conservation, as a mutual domestic it lacks any legal authority to enforce any conservation requirements it adopts. Other than encouraging voluntary conservation efforts, Doña Ana MDWCA's only viable demand-side conservation measures are appropriate inclined rate structures.

As noted in the last bullet point, the Doña Ana MDWCA has set a goal to increase the AWWA Water Audit Data validity score from the present 77 up to 80 by 2025.

1. DATA COLLECTION AND SYSTEM OVERVIEW

1.1. Purpose

The purpose of this document is to define a water conservation program for the Doña Ana MDWCA to reduce water use to the maximum feasible extent to ensure that the community has a sustainable and affordable long-term water supply in the face of diminishing water sources.

Because of the recent extended drought conditions, the residents within the Doña Ana MDWCA service area clearly understand the value of water and place a high priority on conserving this resource. The Water Conservation Plan will provide strategic direction to the Association's water conservation efforts and will assist with the development of a water conservation policy to help encourage the best possible use of limited resources.

1.2. Planning Team

To accomplish the preparation of this Water Conservation Plan, a Planning team made up of Doña Ana MDWCA and Souder, Miller & Associates personnel was assembled. This team has the ability to provide information and monitor, assess and implement the Water Conservation Plan. The Planning Team includes the Doña Ana MDWCA Executive Director Jennifer Horton and Project Manager Abenicio Fernandez. The Souder Miller representatives on the team are Senoir Design Manager Lilla J. Reid, P.E, Staff Civil Designer Robert Storey, E.I., and Water Conservation Specialist Marty Howell, P.E.

1.3. Local Conditions

1.3.1 Location

The Doña Ana MDWCA service area is located along the Rio Grande in Doña Ana County, in south central New Mexico and lies within the northern extreme of the Chihuahuah Desert, north and west of the City of Las Cruces. The service area spans 13.5 miles north to south and 6.5 miles east to west.

1.3.2 Water Supply Overview

The Doña Ana MDWCA obtains its water supply from thirteen production wells that are located in the Mesilla Bolson, a part of the lower Rio Grande underground water basin. The Mesilla Bolson is bounded on the east by the Organ-Franklin-Juarez Mountain chain and on the west by fault-block and volcanic uplands that extend northward from the East Potrillo Mountains and West Potrillo basalt field to the Aden and Sleeping Lady Hills. The main ground-water bearing formations in the basin consist of thick sequences of basin-fill deposits of the Santa Fe Group and valley deposits of the current Rio Grande. The primary sources of recharge for the basin are seepage from the Rio Grande and infiltration from irrigation. Occasional surface flow through arroyos also provides small amounts of recharge.

The Rio Grande Floodplain Alluvium is an unconfined aquifer with both clay and fluvial facies. The depth of the alluvium is variable but is generally not more than 80 feet, suggesting that, because the Doña Ana MDWCA wells are screened beginning below 100 feet, the alluvium is likely not a significant source of groundwater for the Association.



Figure 1. Doña Ana MDWCA Location Map

Doña Ana MDWCA has thirteen wells (Wells 2, 5, 6, 7, 7a, 8, 9, 10, 11, 12, 13, 15, and 16a) that provide water for system demands. Five wells (Wells 2, 5, 6, 7, and 8) are located in Doña Ana, two of the wells are located in Fairview Estates (Wells 12 and 13), three wells (7, 15, and 16a) are located in Picacho Hills, and three of the wells (Wells 9, 10, and 11) are located in Radium Springs.

In the Doña Ana portion of the system, water is pumped from five supply wells to four storage tanks and two booster station. In Fairview, water is pumped from two supply wells directly into the distribution system. In Picacho Hills, water is pumped from three supply wells to one storage tank and two booster stations. In Radium Springs, water is pumped from three supply wells and a booster station to two storage tanks and the distribution system.

The Association's pump meter readings indicated that 605,378,415 million gallons were pumped from their wells in 2016 for an average of 1,659,000 gallons per day. Based on usage data from that same time period, the Association sold 1,574,288 gallons per day (508.2 MG/year), or 294 gallons per day per connection. Using a population of 14,911 (weighted average household size 2.78 from the 2010 Census for the four service areas), Doña Ana MDWCA customers use 106 gallons per capita per day.

Item	Water Production (gal)	Metered Use (gal)	Un-Accounted For Water	
			(gal)	%
Doña Ana System	439,122,236	427,879,881	11,242,355	2.6%
Picacho Hill System	123,432,856	114,829,582	8,603,274	7.0%
Radium Springs System	42,823,323	31,905,562	10,917,761	25.5%
Total	605,378,415	574,615,025	30,763,390	5.1%

Table 1. Calendar Year 2016 Water Balance

The variance between produced water and metered usage, referred to as unaccounted for water, amounts to a loss of 5.1 percent. Unaccounted for water can include both losses and unmetered uses like line flushing. System losses can be attributed to leaks, pipe breaks, and meter inaccuracy. The U.S. Environmental Protection Agency (USEPA) recommends that the maximum unaccounted loss be in the range of 10 to 15 percent (USEPA, 2010). The losses in the recently acquired Radium Springs system is high at 25.5%. The main portion of the system in Doña Ana had 2.6% unaccounted for water. The Association recently acquired the systems in Picacho Hills and Radium Springs, and the losses in these portions of the system are due to a lack of historic maintenance. Rehabilitation projects are in progress for the Picacho Hills service area and are scheduled in the near future for the Radium Springs service area which will reduce unaccounted for water in these portions of the system.

In response to inaccurate and high unaccounted water usage, Doña Ana MDWCA replaced older customer meters with new automated meters in 2014, and replaced production meters, and upgraded the older distribution systems in Fairview in 2017. The next steps to improve the Doña Ana MDWCA water system will include upgrading older distribution systems in Picacho Hills and Radium Springs in 2018.

1.3.3 Demographics

The Doña Ana MDWCA was incorporated as a mutual domestic provider in 1974. Through a loan with the Farmers Home Administration (FmHA), Doña Ana MDWCA was able to acquire a privately held system in Doña Ana, purchase additional water rights and expand the system. By 1977, the water system had expanded to serve 570 connections. The original system consisted of a transmission and distribution system, two wells and pumping stations which produced 520 gpm, and a 500,000-gallon storage reservoir. The New Mexico Environment Department (NMED) approved a loan to the Association in 1982 for additional transmission lines, a new storage reservoir and a new well. More recently, the Association has constructed additional transmission lines for the western and northern portions of the service area, a new (replacement) supply well and a booster station to provide additional flow and pressure capacity within the upper pressure zone. In 2013, the Association added the Fairview, Picacho Hills and Radium Springs areas to its service area through the acquisition of the assets of the Fairview Estates Water System, the Picacho Hills Utility Company and the Fort Selden Water Company. These acquisitions added 1,388 customers to the Doña Ana MDWCA service area. The system serves 5,149 residential connections, 109 commercial connections, and 1 large industrial connection.

1.3.4 Housing

By the end of 2016, there were 5,500 meters in the Doña Ana MDWCA service area. The population of Doña Ana County had an annual compounding growth rate of approximately 1.82% from a population of 174,682 in 2000 to 209,233 in 2010 with an estimate of 2.79 persons per household (U.S. Census Bureau, 2010 Census). Using the number of connections in 2016 (5,500) and a 1.82% compounding growth rate, the Doña Ana service area would serve 7,209 connections or 20,040 people in 2031.

1.3.5 Temperatures and Precipitation

Doña Ana MDWCA currently relies on ground water for water supply. Long-term drought and increased pumping have combined to cause aquifer levels to drop in the region. The Doña Ana climate is considered to be mild, arid to semi-arid continental type characterized by fairly hot summers and mild winters with warm spring and autumn seasons. The majority of the annual precipitation occurs in the form of summer or early fall thunderstorms. These storms are usually of short duration and result from an inflow of moist warm air originating in the Gulf of Mexico. Occasionally, precipitation occurs due to an intrusion of tropical pacific fronts entering from Baja California. Rain or snow of light intensity often accompanies frontal activity in the area. Low humidity and intense sunshine are characteristic of the region. Historical temperature and precipitation data from 1897 to 2015 is presented below in Table 2. Fall, winter, and spring are dry as much of the moisture from eastward circulation from the Pacific Ocean is removed as the air passes over the mountains west of New Mexico. Summer is the rainy season when moisture-laden air from the Gulf of Mexico enters southern New Mexico. Strong surface heating and the upslope flow of the air cause brief, and often heavy, showers. South-central New Mexico mountains have a shielding effect on the southeasterly air flow, and the amount of precipitation received west of these mountains along the Rio Grande Valley is less, especially in spring. The average annual precipitation varies from 7 to 9 inches.

Precipitation and climate data can be used for estimating water demands during drought conditions, and developing drought contingency plans. More than half of this annual precipitation usually occurs during the summer months in the form of thunderstorms. The more intense of these storms often occur during the period of July through September.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Avg Max Temp (°F)	59.7	64.3	71.1	80.1	87.3	96.5	95.4	94.7	90.7	81.4	67.8	59.2	79
Avg Min Temp (°F)	28.7	29.5	36.7	45.1	51.5	61.8	66.9	65.5	58.4	46.8	33.3	28.4	46.1
Avg Total Precip (in.)	0.49	0.41	0.17	0.12	0.25	0.5	1.12	1.16	0.63	0.85	0.19	0.4	6.28
Avg Total Snowfall (in.)	1.6	1.5	0	0.1	0	0	0	0	0	0	0	0.8	3.9

Source: <http://www.wrcc.dri.edu/> Period of Record: 01/01/1897 to 1/20/2016

Table 2. Las Cruces, NM - Period of Record Monthly Climate Summary

Historical precipitation data from 1897 to 2016 show an average of 6.28 inches per year as shown in Table 2 and Figure 2. Figure 2 also shows the minimum annual precipitation of 3.44 inches occurred in 1970, and the

maximum annual precipitation of 19.6 inches occurred in 1941. Periods of drought (below average precipitation) and above average periods of precipitation can also be observed on Figure 2.

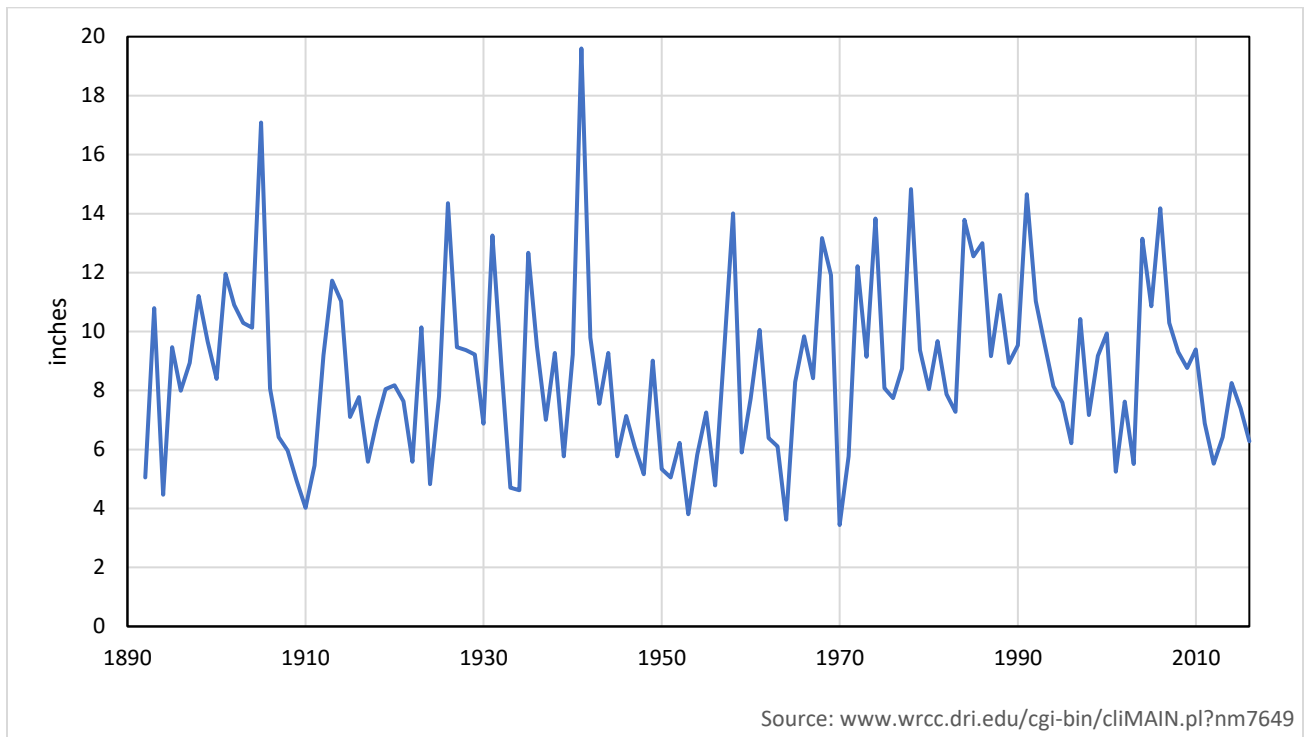


Figure 2. Hydrograph Showing Annual Precipitation at Las Cruces Weather Station 298535 (1892 – 2016)

The majority of the annual precipitation occurs during the summer months (June through September), as shown on Figure 3.

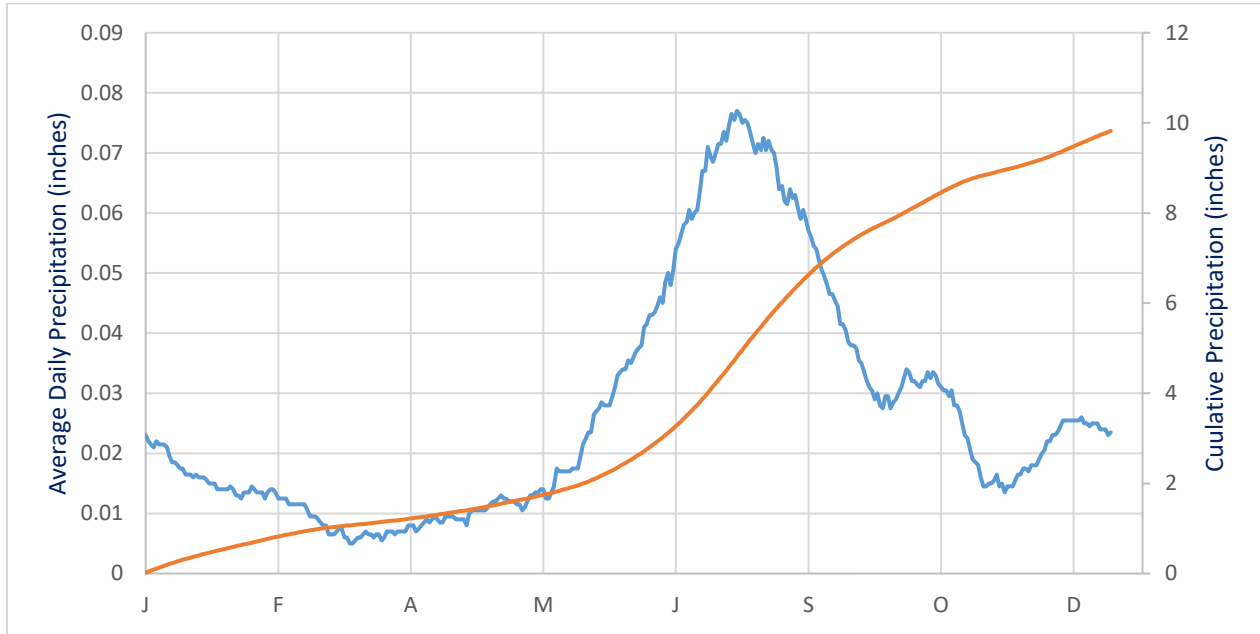


Figure 3. Hydrograph of Daily Average Precipitation and Cumulative Daily Precipitation at NMSU Weather Station 296799; 1961 through 2014

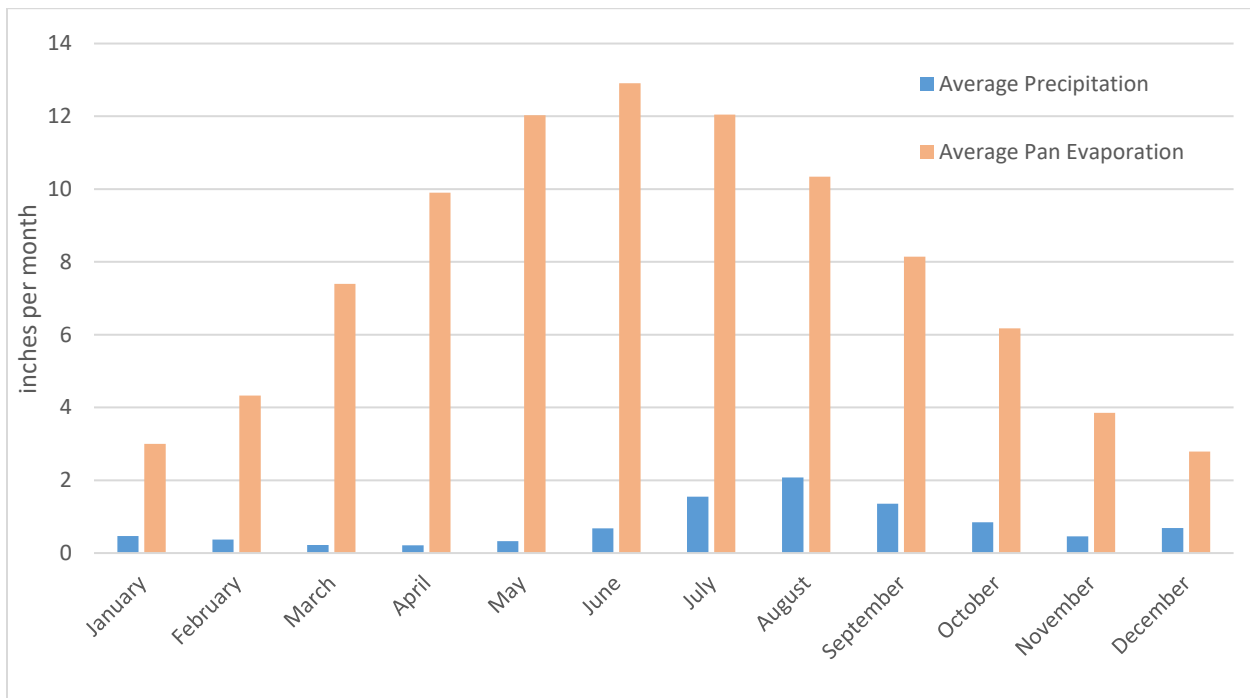


Figure 4. Hydrograph of Monthly Average Precipitation and Monthly Estimated Potential Evaporation

Figure 4 shows a comparison of monthly potential evaporation vastly exceeding precipitation.

1.3.6 Other Local Conditions – Water Rights Analysis

Doña Ana MDWCA owns the right to divert a total of 8,997.586 acre-feet of groundwater per year with water rights summarized in Table 3.

File No	Volume (acre-feet/year)	Priority
LRG-1905	2,718.23	1960
LRG-5121 ¹	417.4	1962
LRG-23	10.426	1954
LRG-80 ¹	3,548.38	1954
LRG-4250-B ¹	2,260	1960
LRG-15880-1	43.15	1974
Total	8,997.586	

Table 3. Water Rights Summary

Note 1: A large portion of each of these water rights is not yet developed

2. ASSESSING WATER SYSTEM PERFORMANCE

2.1 Data Results and Analysis, AWWA Water Loss Control Committee (WLCC) Free Water Audit Software Reporting Worksheet

2.1.1 Performance Indicators

The AWWA developed a standard water audit methodology that accounts for all water uses within a common water provider's system. The audit focuses on supply-side uses. AWWA also created a free spreadsheet tool to facilitate completing the audit. The water audit provides a systematic method to organize water diversion data and track its path through the distribution system. The main result of this analysis is "nonrevenue water," which is an estimation of water losses, theft, meter inaccuracies, and non-billed authorized consumption.

Doña Ana MDWCA meter records for 2016 show losses of 5.1% nonrevenue water. The audit methodology estimates the system has 2.8% nonrevenue water by cost of operating the system. The AWWA spreadsheet for the Doña Ana MDWCA is located in Appendix A.

The Audit Data Results are as follows:

a. Financial

The annual cost of apparent losses is \$69,700. This is a relatively small number for the size of this water system and is primarily the result of the new customer water meters recently installed and an efficient billing and accounting system. Although, Doña Ana MDWCA has new meters and replaces customer's meters every ten years, a meter testing program to verify meter accuracy has not been put in place yet. A meter testing program would improve the data validity score in this area.

The annual cost of real losses is \$5,434. This cost is due to the estimated 2.8% of nonrevenue water figure found in the audit. The 2016 residential and commercial use figures total to 605.4 MG/year which is reasonable for a system with an estimated population of 5,364 connections.

b. Operational Efficiency

The apparent losses per service connection per day is estimated to be 6.52 gallons/connection/day. This number was determined with the default estimation of 0.25% unauthorized use along with a default estimation of 0.5% meter accuracy figure, and an estimation of 1.610 MG/year (0.25%) for systematic data handling errors.

As will be discussed more in detail during the data validity score analysis, Doña Ana MDWCA does not presently have a set of procedures established to document or calculate unauthorized water use. The creation of clear policies and good record keeping procedures are recommended to quantify and limit unauthorized water use.

Doña Ana MDWCA system meters are replaced every ten years but a meter testing program has not yet been implemented. It is the intent of the Doña Ana MDWCA to begin testing the meters regularly to verify accuracy and allow for the strategic replacement of meters as they age.

2.1.2 Data Validity Score

The overall data validity score for the Doña Ana MDWCA water system was 77 out of 100. This is an average score, which is representative of the system's scores for each of the individual data categories, which varied between 5 and 10 on a scale of 10, with one score of 4 for average operating pressure.

High scores (8 and above) were received in several categories. Although meters are replaced every ten years, an official meter accuracy testing program will need to be set in place to assure a maximum accuracy of +/- 3%. This will help improve the data quality score in their next water audit.

Billed Metered Consumption is another area where the Doña Ana MDWCA received a relatively high score. Recommendations by the audit to qualify for a 10 include implement and continue with an accuracy testing program, budget for meter replacement, and continue annual detailed billing data auditing by utility personnel and conduct third party auditing at least once every three years.

Customer Meter Inaccuracies is also another category which received a high score. In order to qualify for a 9 or higher on the next audit, efforts to manage meter population with reliable recordkeeping must continue, and an accuracy testing program must be in place.

The Average Operating Pressure score of 3 was very low, due to limited measurements and datalogging of system pressures. Doña Ana MDWCA has reliable pressure controls that separate distinct pressure zones, but telemetry measurements of those zones is not in place.

For the Total Annual Cost of Operating score, the system received a high score of 10 due to the use of a reliable, electronic, industry-standard cost accounting system that is audited annually. The Customer Retail Unit Cost's score of 7 was achieved due to the periodic third-party audit of water used in each level by all classifications of users that is commissioned by the Association. Variable Production costs received a high score of 10 due to the use of a third party CPA audit of all costs on an annual basis.

Two of the data categories received default average scores of 5. Master Meter and Systematic Data Handling Errors received a 5 of 10 along with the recommendation to ensure that all meters be regularly calibrated, flow data collected and archived, all data reviewed for errors and corrected each business day, and implementing an official inaccuracy testing program. The Association is replacing production meters in early 2016. To improve the score for systematic data errors, the Association would need to regularly review the new account activation process and general billing practices, and create a regular auditing process to reveal the scope of data handling errors. Length of Water Mains received a data score of 9 of 10 due to the implementation of both a geographic information system and an asset management system to manage infrastructure data.

2.1.3 Priority Areas for Attention

The following improvements were recommended by the audit to improve the Association's water management:

- a. Establish meter testing and electronic calibration procedures to be conducted annually on all production meters.
- b. Establish a customer meter accuracy testing program for all water use meters.
- c. Establish clear policies and record keeping procedures for tracking unauthorized consumption.
- d. Work toward setting up pressure reading equipment at various locations around the system to accurately gauge pressure zone readings. Use telemetry or dataloggers to read and record system pressures.
- e. Establish a process to regularly review the new account activation process and general billing practices, and create a regular auditing process to reveal the scope of data handling errors.

2.2 Data Results and Analysis, GPCD Calculator Table

Since the Association's service area is spread over a wide area, historic connection data was used rather than census data to complete the NMOSE GPCD spreadsheet. The NMOSE spreadsheet was completed using the following data:

- Single Family Residential (SFR) meter totals and usage for the years 2011 through 2016.
- Estimated population and vacancy rates based on historic water use data.
- A total metered residential use in 2016 of 574.6 MG.

Data for the Fairview, Picacho Hills and Radium Springs service areas is not available prior to 2013 when those systems were acquired by the Association. When reviewing the overall 2011-2016 water system data to see if it was reasonable, the figures show the usage to vary almost 30 GPCD throughout the reported years. This variation is most likely due to the addition of the new systems in Fairview, Picacho Hills and Radium Springs, and the lack of reliable data in prior years. Figure 5 illustrates the annual GPCD estimates from 2011 to 2016 produced by the NMOSE spreadsheet.

The Doña Ana MDWCA data input items for the NMOSE GPCD spreadsheet are attached as Appendix B.

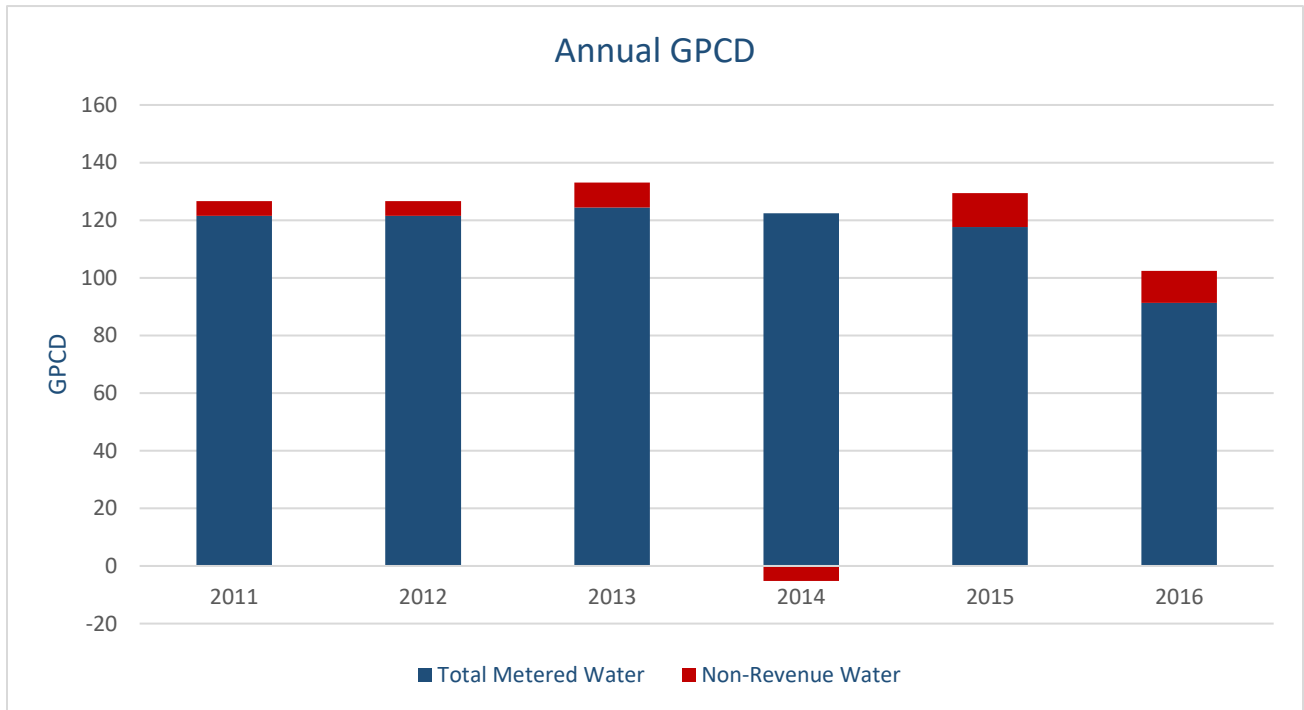


Figure 5. Doña Ana MDWCA Water System Annual GPCD

The NMOSE GPCD spreadsheet indicates that the customers in the Doña Ana MDWCA system used a total of 106 GPCD in 2016. This is relatively low and represents little opportunity to save water through water conservation measures. For comparison, a 2009 preliminary 40-year planning document for Hobbs found a total GPCD use of 250 to 300 GPCD at that time, with a goal of 264 GPCD. Las Cruces is required by its water right permit to reach a total GPCD target of 180 GPCD by 2030, and Alamogordo has a total GPCD goal of 165 GPCD by 2045. The City of Lovington has a 240 GPCD goal listed in their 40-year plan. In addition, the City of Las Cruces’ 2013 NMOSE GPCD indicates that the City has an annual single-family GPCD of 123.11 and a total GPCD of 176.27.

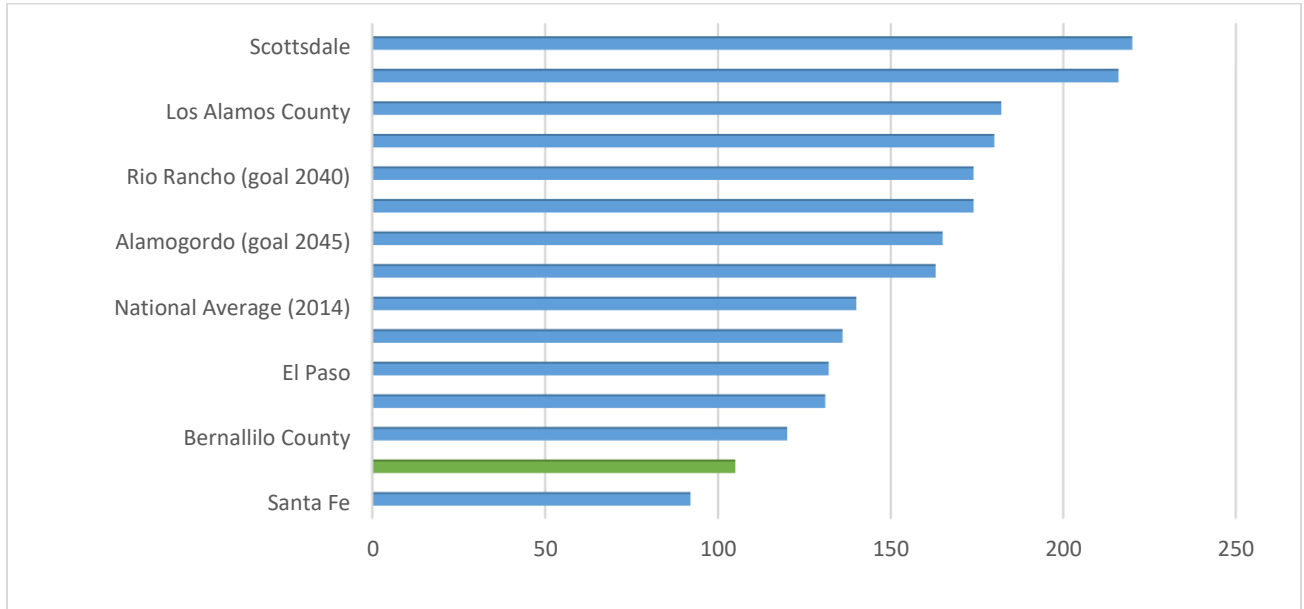


Figure 6 Comparative Gallons Per Capita Per Day Water Usage

3. WATER CONSERVATION GOALS

3.1 Objective

The objective of the Doña Ana MDWCA water conservation program is to reduce water use to the maximum feasible extent to ensure that the service area has a sustainable and affordable long-term water supply in the face of diminishing water sources.

3.2 Reason Why the PWS is developing a Water Conservation Plan

Doña Ana MDWCA is preparing a formal Water Conservation Plan to meet NMOSE requirements and to provide strategic direction in future conservation efforts.

3.3 Identify Water Conservation Goals

As previously discussed, production meter errors make it difficult to quantify how much of the Association's water is unaccounted for on an annual basis. Meter records show nonrevenue losses that vary from 24% in 2012 to negative 2% in 2014 (due to aging meters that have been replaced). On average, utilities lose approximately 10-15% of their water to leaks and unmetered connections. In addition, the Doña Ana MDWCA water system uses an average of 106 gallons of water per day per resident. Average daily use in the southwest varies from a low of just below 100 GPCD up to 300 GPCD. Other communities in Doña Ana County are reported to have per capita water consumption ranging from approximately 97 to 131 GPCD (Chamberino, Anthony, and Las Cruces).

Based on this information, Doña Ana MDWCA set the following goals for its water conservation program:

- Maintain water losses below 10%,
- Maintain residential GPCD below 120,
- Educate the public about water conservation, and
- Increase the water audit data validity score from 77 to 80 by 2025.

Doña Ana MDWCA's primary objective is to keep water losses near the current low levels below 10% by 2025. Doña Ana MDWCA has also set an overall water conservation goal to maintain low usage below 120 GPCD by 2025.

As noted in the last bullet point, the Association set a goal to increase the AWWA Water Audit Data validity score from the present 77 up to 80 by 2025. The primary area for improvement with the Doña Ana MDWCA water system is the ability to accurately track unaccounted for water. With the use of system operating improvements detailed in the Data Validity scores, including replacement of the production meters, the unaccounted for water can be accurately quantified and managed.

3.4 Prioritize Goals

Since the Association has an unknown volume of unaccounted for water with daily uses that are below average (106 GPCD), Doña Ana MDWCA is prioritizing those goals related to quantifying losses and maintaining low usage levels. Specifically, the Association's primary goal is to quantify water losses and to ensure losses continue to stay below 10% by 2025. The Association's next goal is to maintain GPCD below 120. The final goal is to both maintain the current data validity score of 77 and increase that score to 80 by 2025.

3.5 Evaluate Goals

To evaluate progress towards achieving their goals, the Doña Ana MDWCA will determine their unaccounted for water and average GPCD on an annual basis. The Doña Ana MDWCA will also perform the AWWA Water Audit to determine their data validity score on an annual basis.

3.6 Best Management Practices

3.6.1 Describe Best Management Practices (BMPs) Considered

Doña Ana MDWCA evaluated the following best management practices to determine their cost-effectiveness, their feasibility for implementation, and their appropriateness for the community:

- Source Water Metering (with Testing and Calibration)
- Program to test, calibrate, repair & replace meters systematically
- Meter Public Use
- Account for Water
- Analyze Non-accounted for Water
- Water System Audit/GPCD Analysis
- Repair Known Leaks
- Water System Audits for largest Commercial/Industrial users
- Encourage re-use of water for Commercial/Industrial users
- Inclining Block Water rate structure
- Leak Detection & Repair Strategy
- Automated Sensors/Telemetry (System Control and Data Acquisition (SCADA))
- Informative Water Bill
- Workshops
- Information Available
- Water Bill Inserts
- Advisory Committee
- Public School Education Program
- Selective End Use Audits
- Home Water Conservation Equipment Reimbursement Program
- Promotion of Landscape Efficiency
- Rebates and incentives (nonresidential)
- Rebates and incentives (residential)
- Requirements for New Developments (Efficient Fixtures/Landscaping/Irrigation)

To implement a targeted program with a higher likelihood of success, the Doña Ana MDWCA water conservation team selected the most effective goals that would result in the practices that would most directly impact water conservation. Consequently, some of the practices that were deemed less effective were not included in the program.

3.6.2 List BMPs Selected

Based on the Association's goals, the following BMP's were selected:

- 1) Conduct source water meter replacement, testing and calibration
- 2) Implement a program to test, calibrate, repair & replace meters systematically

- 3) Regularly review inclining block water rate structure
- 4) Regularly complete water system audits and GPCD analyses
- 5) Regularly review water bills to ensure adequate and informative
- 6) Create informative water bill inserts
- 7) Promotion of landscape efficiency
- 8) Implement automated sensors and telemetry (SCADA)

4. PUBLIC INVOLVEMENT, EDUCATION, AND OUTREACH

4.1 Describe the Public Involvement during the Planning Process.

As noted in Section 1.2, to aid in the preparation of this Water Conservation Plan, a planning team made up of Doña Ana MDWCA personnel and Souder, Miller & Associates personnel was assembled. This water conservation planning team is responsible to monitor, assess and implement the Water Conservation Plan.

The first public involvement action taken early in the Water Conservation planning process was to compile the list of Best Water Conservation Practices into a public survey format where Association residents could provide input as to which practices they would like to see put into practice immediately and which ones they would only want to see in the most extreme situations. The survey was provided to Association residents in their water bill.

After the Water Conservation Plan is prepared, Association Water Conservation policies will be updated to reflect the new activities described in the Plan. At such time as that policy is prepared, it will be discussed at Association board meetings prior to adoption.

4.2 Describe Outreach Program Activities

The majority of the actions described in this Water Conservation Plan to quantify and reduce water losses will be performed by the Association. However, the next targeted audience for Water Conservation improvements are the Association customers. To reach this target audience, a multi-faceted outreach program will be implemented.

Historically, information provided with monthly bills has been the most successful tool for education and information. The Association will place information in bills and newsletters to disseminate regular water conservation public service announcements as well as news articles regarding the Association's water conservation efforts.

The Association will also update its website to include water conservation information. Information regarding the water system, the water conservation plan, and water conservation tips are proposed to be included on this web page in addition to links to key web sites that provide water conservation information, such as the State Engineer's Office website and others. The Association will also produce and acquire water conservation brochures and handouts to be set up in an information kiosk in the Association office. The design of the water bill will be also be reviewed to ensure that it is easily read and understood.

As part of this Water Conservation Plan, the Association will coordinate with large users to audit their usage and look for opportunities for conservation.

4.3 Describe In-School Educational Programs

The Association will not develop an in-school educational program as the City of Las Cruces has already developed an excellent program with the Las Cruces Public School District. The Association partners with the City of Las Cruces in conducting an annual children's festival to promote water conservation.

5 DEVELOPING A WATER CONSERVATION PROGRAM

5.1 Challenges

Challenges to successful implementation of the water conservation program include the unknown level of unaccounted for water the Association is experiencing, the limited governmental powers of a mutual domestic water consumer's association to enforce conservation measures, and the rural nature of the service area.

However, these challenges also provide an excellent opportunity to save water. The Association serves a large area with a small staff which is fully allocated. Some of the actions in this plan will be difficult to accomplish without dedicating existing staff time or additional personnel to accomplish the stated goals.

As a mutual domestic water provider, the Association does not have the ability to force water conservation through the implementation of water restrictions or other common practices. The Association's primary tools are limited to education and aggressive rates that promote conservation.

5.2 Program Components

5.2.1 Program Title

Doña Ana MDWCA Water Conservation Plan.

5.2.2 Summary of Program

The proposed program includes the following four main goal areas:

- Maintain water losses below 10%,
- Maintain residential GPCD below 120,
- Educate the public about water conservation, and
- Increase the water audit data validity score from 77 to 80 by 2025.

The eight water conservation measures listed earlier in Section 3.6.2 are listed with the letter of the goal they support. The following elements will be implemented as part of the program:

1. Conduct source water metering replacement, testing and calibration (A, D)
2. Implement a program to test, calibrate, repair & replace meters systematically (A, D)
3. Regularly review inclining block water rate structure (B, C, D)
4. Regularly complete water system audits and GPCD analyses (A, B, D)
5. Regularly review water bills to ensure adequate and informative (B, C, D)
6. Create informative water bill inserts (B, C)
7. Promote landscape efficiency (B, C)
8. Implement automated sensors and telemetry (SCADA) (A, D)

5.2.3 Why the Program was Chosen

The Association selected the eight elements of the program to keep the program manageable and focus on the most effective programs that would result in the practices that would result in the most conservation. Consequently, some of the practices that were deemed less effective were not included in the program.

5.2.4 How the Program will be Implemented

The first step in this process would be to review this document and develop a clear plan regarding who is going to implement each item in accordance with the proposed schedule. Outreach should be made to the community and key stakeholders to provide helpful information that will allow water system customers to fully understand the need for water conservation and begin to “buy in” to the implementation of the program. After these items are completed, the individual steps of the water conservation plan can begin to be implemented.

The Association has already made significant improvements to the water system, including the installation of new customer meters system-wide. The Association is also in the process of planning improvements in the newly acquired Fairview, Picacho Hills and Radium Springs, service areas. One of the first new programs that will be placed into operation will be to replace all production meters and install remote telemetry at each of the system wells. The Association will also develop a program for production meter testing, calibration, and repair, as needed.

The Association will also begin completing annual audits of the system using the AWWA and NMOSE tools to evaluate unaccounted for water and opportunities for continuous improvement.

The final action proposed to be taken during the first year would include developing water conservation information and education processes. This would include reviewing the design of the water bill and creating conservation information as water bill inserts with information promoting landscape water efficiency. If revisions of the water bill are necessary they will be implemented in the second year. Educational material will be placed in the Association office and inserted into water bills in the second year as well.

In the third year, the Association will review the existing rate structure to ensure that it is adequately promoting water conservation.

Also in the fourth year, the Association will evaluate available telemetry that can be integrated with the existing SCADA system to monitor system pressures and flows and allow for faster response to leaks. Any warranted additions to the system would be implemented in the fifth year.

The Association already has a mature meter replacement program. In the fourth year, the Association will begin a customer meter testing and calibration program to complement the existing replacement program.

5.2.5 Implementation Dates

Water Conservation Measure	Year 1	Year 2	Year 3	Year 4	Year 5
Source meter testing and calibration	Begin	Continue	Continue	Continue	Continue
Distribution meter testing & calibration	-	-	-	Begin	Continue
Review water rate structure	-	-	Begin	Continue	Continue
AWWA system audits and GPCD analyses	Implement	Continue	Continue	Continue	Continue
Review water bills	Review	Begin	Continue	Continue	Continue
Water bill inserts	Develop	Begin	Continue	Continue	Continue
Promote landscape efficiency		Begin	Continue	Continue	Continue
Implement SCADA	-	-	-	Begin	Continue

Table 4. Water Conservation Measures Implementation Dates

5.2.6 Targeted Users

The targeted users for this Water Conservation Plan are as listed below. The Conservation Measures (listed in Section 5.2.2) that are applicable to that user are listed following the user name.

- Residential Users – Sections 2, 3, 5, 6, and 7
- Commercial Users – Sections 2, 3, 5, 6, and 7
- New Development/Construction – Section 7
- Doña Ana MDWCA – Sections 1, 2, 3, 4, 5, 6 and 8

5.2.7 Anticipated Cost (by year and total project)

Water Conservation Measure	Year 1	Year 2	Year 3	Year 4	Year 5
Source meter testing and calibration	\$5k+\$2k(L)	\$2k(L)	\$2k(L)	\$2k(L)	\$2k(L)
Distribution meter testing & calibration	-	-	-	\$2k+\$2k(L)	\$2k(L)
Review water rate structure	-	-	\$1k(L)	-	-
AWWA system audits and GPCD analyses	\$2k(L)	\$2k(L)	\$2k(L)	\$2k(L)	\$2k(L)
Review water bills	\$2k(L)	\$2k(L)	-	-	-
Water bill inserts	\$2k(L)	\$1k(L)	\$1k(L)	\$1k(L)	\$1k(L)
Promote landscape efficiency	\$1k(L)	\$1k(L)	\$1k(L)	\$1k(L)	\$1k(L)
Implement SCADA				\$2K(L)	\$20K
Yearly Cost	\$14k	\$8k	\$9k	\$14k	\$28k
Total Five Year Program Cost	\$73k				

Table 5. Water Conservation Measures Estimated Program Costs

Note 1: As noted earlier, water system improvements that are being implemented to replace older, leaking portions of the system have already been anticipated under the standard capital planning and that budgeting process is not be included in the Water Conservation Plan estimated costs. This table shows the actual additional effort required to implement this Water Conservation Plan only.

These efforts will be performed by existing Association staff as part of their normal duties. All of these labor costs are included in the appropriate water conservation item and shown with an (L) to denote the labor cost clearly.

5.2.8 Anticipated Staffing Needs and Partnerships

Since the major elements of this plan are focused on Association operations, it is anticipated that existing Association staff will implement this Water Conservation Plan as part of their normal duties. Association staff will need to closely monitor the implementation of the program to evaluate whether additional resources are necessary to accomplish the desired goals.

As noted earlier, there are several agencies who could be potential partners for the implementation of this water conservation program. NMOSE has a large library of water conservation literature and guidelines available for use. Association staff will also rely on United States Department of Agriculture (USDA) representatives, the local Soil and Water Conservation Association, and the County Extension Agent for assistance, resources, or recommendations.

5.2.9 Funding Source

It is proposed that the funding required for this program is provided through the existing Association water budget. However, if Association resources fall short of the required funding, proposals may be sought to obtain grants from institutions such as community-minded businesses, federal and/or state government agencies, or private foundations.

5.2.10 Anticipated Results and How They Align with Goals

Water Conservation Measure	Results	Reduce Water Losses	System GPCD reduction	Customer Education	Data Validity increase
Source meter testing and calibration	100% source metered, less than 10% worse than 3% accuracy	X	X		X
Distribution meter testing & calibration	Statistically significant meter testing/replacement program in place.	X	X		X
Review water rate structure	Fiscally encourage water conservation.		X		
AWWA water system audits and GPCD analyses	Raise system efficiency, reduce un-accounted use		X		X
Review water bills	Reduce SFR and ICI water use.		X	X	
Water bill inserts	Reduce SFR and ICI water use.		X	X	
Promote landscape efficiency	Reduce SFR and ICI water use.		X	X	
Implement automated sensors & telemetry (SCADA)	Raise system efficiency, reduce high pressure leaks.	X	X		X

Table 6. Water Conservation Measures Goal Alignment

5.2.11 Explanation of Tracking and Evaluation

Each water conservation program will be tracked for target group participation and time or costs expended to implement the program. Evaluation measures will be developed and used during the operation of each conservation program to establish a measure of its effectiveness. Overall evaluation of the water conservation program will be assessed through the updated water audit and GPCD analysis that will be performed annually.

The results of the updated AWWA Water Audit and GPCD Analysis will be included in the Association’s annual report.

[5.2.12 Estimated Lifetime Impact of the Program](#)

When considering the potential impact of the water conservation program, it is essential to remember that the system is beginning at a total per capita usage rate of 125 GPCD and an unknown quantity of unaccounted for water in Picacho Hills. This per capita usage is low, while the losses that can be quantified by historic data are moderate but unreliable. This program will aim to maintain current levels of individual use by customers, while quantifying and reducing system losses.

Figure 7 shows the GPCD usage for cities across the southwestern United States. New Mexico cities include Albuquerque, with a rate of 175 GPCD rate and Santa Fe with a system-wide use of 101 GPCD. This information indicates that Doña Ana residents’ water use is in line with the most conservative southwestern cities.

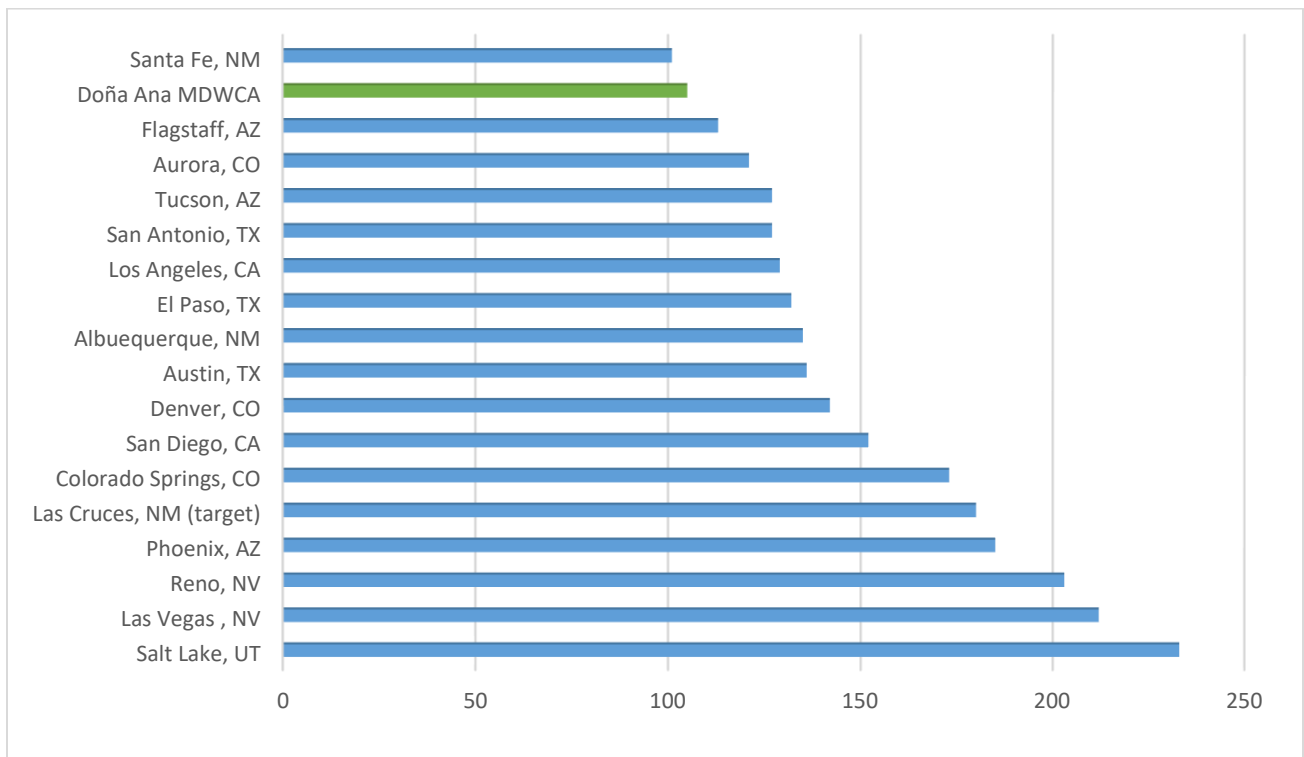


Figure 7 Comparison of Southwestern City System-Wide Per Capita Use Rates

[5.2.13 Annual Reporting and Updates](#)

As noted earlier, overall evaluation of the water conservation program will be assessed through the updated water audit and GPCD analysis that will be performed annually. The results of the updated AWWA Water Audit and the GPCD Analysis will be included in the Association’s annual report.

In addition, those system evaluation measures will be reviewed each year by the water conservation planning committee to help determine what portions of the water conservation plan are being effective and which

portions need to be revised or amended. The water conservation plan will then be amended on an “as needed” basis following review of that water system data.

5.3 Describe Process of Prioritizing Programs

The proposed elements of this program were prioritized based the Association’s primary goals to reduce water losses while maintaining low customer use levels. As noted earlier in this document, the Association is in the process of completing a series of major water system improvement projects. A great deal of benefit should be derived by completing these improvements early in this phased process.

Since the primary goal of this program is to reduce water losses, the implementation of a source meter testing and calibration program was selected for initial implementation to ensure that the Association is obtaining quality data.

To begin the education process soon, the education and outreach elements of the program were prioritized to begin in the first year of the program. The design of the water bills will be reviewed to ensure that they are easily readable and understood and that customers can actually see the benefit of water conservation. The second item would be to create and send out water conservation flyers and brochures with the water bills to begin educating customers on the benefits of water conservation. Flyers to encourage landscaping and irrigation efficiency can also be started at this same time.

One key element of the Association’s existing program is a strong inclining block rate structure that provides sustainable funding for system operations while encouraging conservation. This is a critical component of the Association’s program and will be reviewed in the third year of the program to ensure that the rate structure is continuing to support Association goals.

Since the Association has a robust meter replacement program and very new meters, the implementation of the customer meter testing and calibration element was delayed until the fourth year.

To improve the AWWA audit data validity score and allow for faster responses to leaks, the Association will evaluate the potential to implement automated sensing of system pressures in the fourth year of the program. If an appropriate technology is available, the Association will implement that technology in the fifth year of the program.

5.4 Current and Past Water Conservation Programs

5.4.1. Summary, Time Frame, and Results

Doña Ana MDWCA has a water conservation program that includes an aggressive inclining block rate structure and education outreach. The rate structure is detailed in Table 8 below.

Tier	Charge per 1,000 gallons
1,000 gallon up to 3,000 gallons	\$1.95
3,001 gallon up to 6,000 gallons	\$2.15
6,001 gallon up to 10,000 gallons	\$2.37
10,001 gallon up to 20,000 gallons	\$3.20
20,001 gallon up to 30,000 gallons	\$3.38
30,001 gallon up to 40,000 gallons	\$3.72
40,001 gallon up to 50,000 gallons	\$4.08
over 50,001 gallons	\$5.30
Residential minimum charge (up to 10,000 gallons)	\$17.30
Commercial & Residential minimum charge (up to 10,000 gallons)	\$20.00

Table 7. Water Rate Structure

5.5 Proposed Water Conservation Programs

5.5.1 How Water Conservation Programs will meet Stated Goals and Objectives

The Association set the following goals for its water conservation program:

- Maintain water losses below 10%,
- Maintain residential GPCD below 120,
- Educate the public about water conservation, and
- Increase the water audit data validity score from 77 to 80 by 2025.

The first part of the water conservation program concerns production water metering. With the implementation of a meter replacement, testing, and calibration program for the production meters, Doña Ana MDWCA should eliminate inaccurate production meter readings. This will allow an immediate accurate comparison of pumped water to metered water used by customers, which will support efforts to reduce the amount of water losses and accomplish the above goals.

The water accounting and loss control measures include the implementation of annual AWWA and NMOSE audits to determine unaccounted for water and system-wide GPCD. This will also account for water more accurately and will be helpful to reduce the amount of nonrevenue water.

The water conservation steps proposed, which include reviewing the adequacy of the inclining block rate structure to discourage excessive water use and promotion of water efficiency, will all work together to conserve water and directly accomplish the above listed goals.

Finally, the water conservation information and education steps including reviewing the water bill, adding water conservation information as water bill inserts including information promoting landscaping water efficiency. This will keep Association residents better informed regarding the status of their water system and aquifer, along with making them more knowledgeable of steps that can be taken to conserve water and extend the life of the Association’s water supply. These steps should assist the residents to make wise water conservation choices that will result in decreased water use and will help accomplish the Association’s goals.

The 2016 baseline figure of 106 GPCD determined by the NMOSE spreadsheet suggests that water system improvements and conservation efforts are not likely to result in significant reductions in water loss and total system pumping. However, addition of source meter testing and regular audits should allow for accurate measurement and reduction of unaccounted for water. Small reductions each year are likely still possible due to ongoing education and community outreach by keeping the message of conservation in front of customers.

5.5.2 Overall Timeline of Programs as Related to Objectives

- A. Reduce water losses
- B. Reduce system-wide GPCD
- C. Customer Education
- D. Data Validity Improvement

Water Conservation Measure/Objective	A	B	C	D
Source water metering testing and calibration	X			X
Distribution meter testing and calibration	X	X		X
Review water rate structure		X		X
AWWA water system audits and GPCD analyses	X			X
Review water bills		X	X	
Water bill inserts		X	X	
Promote landscape efficiency		X	X	
Implement telemetry (SCADA)	X	X		X

Table 8. Water Conservation Measures - Objectives

5.5.3 Anticipated/Reported Results for the Entire Water Conservation Plan

a. Reduce Water Losses over Time

The Association primary goal is to maintain water losses below 10% by 2025.

b. System Total GPCD over Time

The Association’s next goal is to maintain system GPCD below 120 over the next five years. Average water use goals for other communities in New Mexico are highly variable and reflect a diversity of residential and industrial water uses. Doña Ana MDWCA, in contrast, is almost entirely residential in nature. Changes that impact this singular customer base, such as education and rate structures, will likewise tend to influence the overall GPCD. With consideration that the current GPCD value of 106 is relatively low in comparison to other communities, substantial reduction may not be likely. However, small changes in behavior and continued implementation of a rate structure that stresses conservation should maintain use below 120 GPCD.

c. Public Education

The goal to educate the Association's customers about water conservation is actually supportive of the Association's second goal to maintain low customer usage levels. Customer education through water bill inserts, an informative bill structure, education material and educational events should result in achieving the Association's goal to maintain per capita use below 120 GPCD.

c. AWWA Data Validity Score

The final goal is to both maintain the current data validity score of 77 and increase that score to 80 by 2025. The current score of 77 is good, however implementing meter testing and monitoring system pressures will increase this score and provide the Association with better information to reduce future losses.

In conjunction with this plan, older, inadequate portions of the distribution system in the Fairview, Picacho Hills and Radium Springs service areas are being improved. When this work is completed, along with the implementation of water meter testing, calibration, repair and systematic replacement programs, the total amount of nonrevenue water should drop significantly. The goal for this program is for water losses to be maintained below 10% through 2025.

Appendix A AWWA Water Audit

AWWA WLCC Free Water Audit Software: Reporting Worksheet
Copyright © 2010, American Water Works Association. All Rights Reserved. WAS v4.2 [Back to Instructions](#)

Water Audit Report for: **Doña Ana MDWCA**
Reporting Year: **2016** / 7/2015 - 6/2016

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades.

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

<< Enter grading in column 'E'

WATER SUPPLIED		Grading	Value	Unit
Volume from own sources:	7	7	605.378	Million gallons (US)/yr (MG/Yr)
Master meter error adjustment (enter positive value):	7	5		under-registered MG/Yr
Water imported:	7	10	0.000	MG/Yr
Water exported:	7	10	0.000	MG/Yr
WATER SUPPLIED:			605.378	MG/Yr

AUTHORIZED CONSUMPTION		Grading	Value	Unit
Billed metered:	7	9	575	MG/Yr
Billed unmetered:	7	6	0.000	MG/Yr
Unbilled metered:	7	6	0.000	MG/Yr
Unbilled unmetered:	7	7	7.567	MG/Yr
AUTHORIZED CONSUMPTION:			582.192	MG/Yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

WATER LOSSES (Water Supplied - Authorized Consumption)		Grading	Value	Unit
WATER LOSSES:			23.196	MG/Yr

Apparent Losses		Grading	Value	Unit
Unauthorized consumption:	7	9	1.513	MG/Yr
Customer metering inaccuracies:	7	6	8.750	MG/Yr
Systematic data handling errors:	7	9	1.610	MG/Yr
Apparent Losses:			11.874	MG/Yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Real Losses (Current Annual Real Losses or CARL)		Grading	Value	Unit
Real Losses = Water Losses - Apparent Losses:	7		11.322	MG/Yr
WATER LOSSES:			23.196	MG/Yr

NON-REVENUE WATER		Grading	Value	Unit
NON-REVENUE WATER:	7		30.763	MG/Yr

= Total Water Loss + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA		Grading	Value	Unit
Length of mains:	7	9	112.9	miles
Number of active AND inactive service connections:	7	9	4,988	
Connection density:	7		44	conn./mile main
Average length of customer service line:	7	9	10.0	ft. (pipe length between customer and customer meter or property boundary)
Average operating pressure:	7	4	60.0	psi

COST DATA		Grading	Value	Unit
Total annual cost of operating water system:	7	10	\$2,848,218	\$/Year
Customer retail unit cost (applied to Apparent Losses):	7	7	\$9.87	\$/1000 gallons (US)
Variable production cost (applied to Real Losses):	7	10	\$479.99	\$/Million gallons

PERFORMANCE INDICATORS		Grading	Value
Financial Indicators			
Non-revenue water as percent by volume of Water Supplied:			5.1%
Non-revenue water as percent by cost of operating system:			2.8%
Annual cost of Apparent Losses:			\$69,700
Annual cost of Real Losses:			\$5,434
Operational Efficiency Indicators			
Apparent Losses per service connection per day:			6.52 gallons/connection/day
Real Losses per service connection per day*:			6.22 gallons/connection/day
Real Losses per length of main per day*:			N/A
Real Losses per service connection per day per psi pressure:			0.10 gallons/connection/day/psi
Unavoidable Annual Real Losses (UARL):	7		31.32 million gallons/year
From Above, Real Losses = Current Annual Real Losses (CARL):			11.32 million gallons/year
Infrastructure Leakage Index (ILI) (CARL/UARL):	7		0.36

* only the most applicable of these two indicators will be calculated.

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 77 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Customer metering inaccuracies
- 3: Unauthorized consumption

[For more information, click here to see the Grading Matrix worksheet](#)

AWWA WLCC Free Water Audit Software: Water Balance		Water Audit Report For: Dona Ana MDWCA		Report Yr: 2016
Copyright © 2010, American Water Works Association. All Rights Reserved. WAS v4.2				
Own Sources (Adjusted for known errors)	605.378	Water Exported	0.000	Billed Water Exported
		Water Supplied	605.378	Billed Metered Consumption (inc. water exported)
				Billed Unmetered Consumption
				Unbilled Metered Consumption
				Unbilled Unmetered Consumption
				Unauthorized Consumption
				Customer Metering Inaccuracies
				Systematic Data Handling Errors
				Leakage on Transmission and/or Distribution Mains
				Not broken down
				Leakage and Overflows at Utility's Storage Tanks
				Not broken down
				Leakage on Service Connections
				Not broken down
				Revenue Water
				574.615
				0.000
				0.000
				7.567
				1.513
				8.750
				1.610
				23.196
				11.322
				30.763
				Non-Revenue Water (NRW)

AWWA Water Loss Control Committee

Water Balance 1


AWWA Free Water Audit Software:
User Comments

WAS-9510
 American Water Works Association
 Copyright © 2014. All Rights Reserved

Use this worksheet to add comments or notes to explain how an input value was calculated, or to document the sources of the information used.

General Comment:	Comment
Audit Item	Comment
<u>Volume from own sources:</u>	100% of the source water is metered.
<u>Vol. from own sources: Master meter error adjustment:</u>	A -5% error was used for the master meter error adjustment was assumed, as the actual error is not known.
<u>Water imported:</u>	No water is imported.
<u>Water imported: master meter error adjustment:</u>	Not applicable.
<u>Water exported:</u>	Water is not exported.
<u>Water exported: master meter error adjustment:</u>	Not applicable.
<u>Billed metered:</u>	100% of customers are billed on a volume-basis from meter reads. 100% of customer meters are successful with AMR system. Detailed meter records are maintained.
<u>Billed unmetered:</u>	No billed unmetered uses exist.
<u>Unbilled metered:</u>	No unbilled metered uses exist.

**Appendix B
NMOSE GCPD v2.04 Beta Model**

Census Information Data Table 2.1

[Click here to access the census web site](#) OR [Click here for instructions on how to find the data on the Census website](#)

2017 TO 2011

Use the most recent census data

[Return to Instructions](#)

US Census Table	Description	INPUT
		CENSUS YEAR
P37	Group Quarters Population	Total 0
H3	Occupancy Status	Total 15,302
	from H3	Occupied 15,302
	from H3	Vacant
H12	Ave. Household Size of Occupied Housing Units	Total 2.78

Formula: Household Size = Total Population / Total Number of Housing Units

Vacancy Rate %

COMMENTS:
Based on Dona Ana service area, data obtained from 2010 40 Year Water Plan by SMA.

NMOSE GPCD Calculator v2.02

DATA INPUT SHEET

Instructions

Doña Ana MDWCA

3. SINGLE-FAMILY RESIDENTIAL (SFR)

MONTHLY DATA

2017

TO

2011

TABLE 3.1 SFR-BILLED WATER CONSUMPTION (Gallons (US))

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	48802920	44900957	48802920	47226832	48802920	47226832	48802920	48802920	47226832	48802920	47226832	48802920
2016	48802920	44900957	48802920	47226832	48802920	47226832	48802920	48802920	47226832	48802920	47226832	48802920
2015	48802920	44900957	48802920	47226832	48802920	47226832	48802920	48802920	47226832	48802920	47226832	48802920
2014	48802920	44900957	48802920	47226832	48802920	47226832	48802920	48802920	47226832	48802920	47226832	48802920
2013	48802920	44900957	48802920	47226832	48802920	47226832	48802920	48802920	47226832	48802920	47226832	48802920
2012	48802920	44900957	48802920	47226832	48802920	47226832	48802920	48802920	47226832	48802920	47226832	48802920
2011	48802920	44900957	48802920	47226832	48802920	47226832	48802920	48802920	47226832	48802920	47226832	48802920

TABLE 3.2 NUMBER OF SFR CONNECTIONS (Monthly)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500
2016	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364	5,364
2015	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227
2014	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158	5,158
2013	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059	5,059
2012	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959	4,959
2011	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848	4,848

TABLE 3.3 INACTIVE (ZERO USE) SFR CONNECTIONS (Monthly)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017												
2016												
2015												
2014												
2013												
2012												
2011												

TABLE 3.4 SFR POPULATION (Monthly)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911
2016	105,58	105,58	105,58	105,58	105,58	105,58	105,58	105,58	105,58	105,58	105,58	105,58
2015	103,38	103,38	103,38	103,38	103,38	103,38	103,38	103,38	103,38	103,38	103,38	103,38
2014	116,03	116,03	116,03	116,03	116,03	116,03	116,03	116,03	116,03	116,03	116,03	116,03
2013	85,40	85,40	85,40	85,40	85,40	85,40	85,40	85,40	85,40	85,40	85,40	85,40
2012	88,60	88,60	88,60	88,60	88,60	88,60	88,60	88,60	88,60	88,60	88,60	88,60
2011	117,61	117,61	117,61	117,61	117,61	117,61	117,61	117,61	117,61	117,61	117,61	117,61

TABLE 3.5 SFR GPCD CALCULATION (Monthly)

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data
2016	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58	105.58
2015	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38	103.38
2014	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03	116.03
2013	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40	85.40
2012	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60	88.60
2011	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61	117.61

TABLE 3.6 ANNUAL CONSUMPTION

Year	ANNUAL CONSUMPTION
2017	574,515,025
2016	485,343,571
2015	469,233,740
2014	338,348,928
2013	448,806,178
2012	478,565,881

TABLE 3.7 ANNUAL CALCULATION

Year	ANNUAL CALCULATION
2017	N/A
2016	N/A
2015	N/A
2014	N/A
2013	N/A
2012	N/A
2011	N/A

TABLE 3.8 AVG ANNUAL CONNECTIONS

Year	AVG ANNUAL CONNECTIONS
2017	N/A
2016	N/A
2015	N/A
2014	N/A
2013	N/A
2012	N/A
2011	N/A

TABLE 3.9 AVG CONN. CALCULATION

Year	AVG CONN. CALCULATION
2017	N/A
2016	N/A
2015	N/A
2014	N/A
2013	N/A
2012	N/A
2011	N/A

TABLE 3.10 CALCULATED GROWTH RATE

Year	CALCULATED GROWTH RATE
2017	N/A
2016	N/A
2015	N/A
2014	N/A
2013	N/A
2012	N/A
2011	N/A

TABLE 3.11 NO. VARIAT SFR CONNECTIONS

Year	NO. VARIAT SFR CONNECTIONS
2017	N/A
2016	N/A
2015	N/A
2014	N/A
2013	N/A
2012	N/A
2011	N/A

TABLE 3.12 SIZE OF HOUSEHOLD

Year	SIZE OF HOUSEHOLD
2017	2.78
2016	2.78
2015	2.78
2014	2.78
2013	2.78
2012	2.78
2011	2.78

TABLE 3.13 SFR POPULATION

Year	SFR POPULATION
2017	14,911
2016	105,58
2015	103,38
2014	116,03
2013	85,40
2012	88,60
2011	117,61

TABLE 3.14 ANNUAL SFR GPCD

Year	ANNUAL SFR GPCD
2017	N/A
2016	105.58
2015	103.38
2014	116.03
2013	85.40
2012	88.60
2011	117.61

Formula = (No. of Connections - No. of Zero Use Accounts) * Ave. Household Size

Formula = Billed Water Consumption (SFR only) / Calculated Population (SFR only)

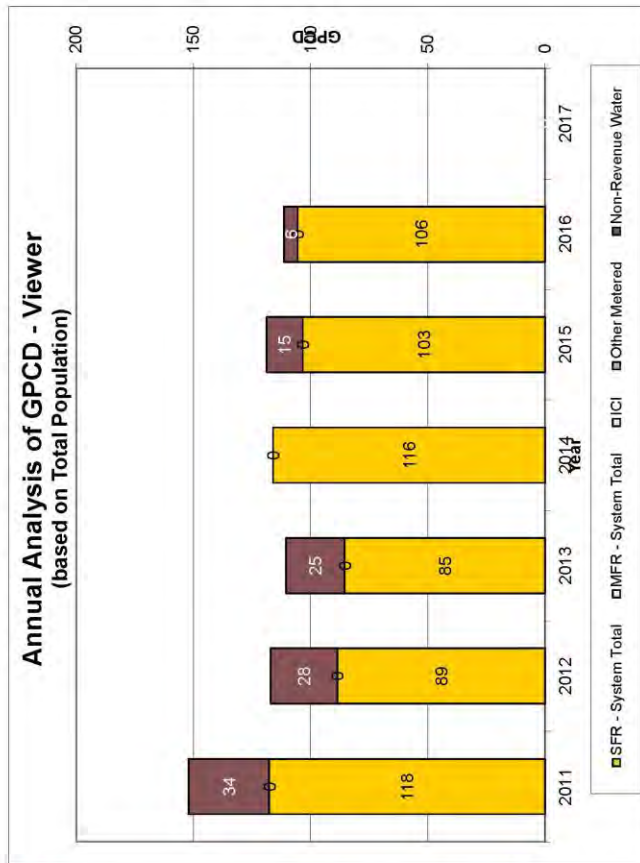
Are you sure growth is zero?

COMMENTS

NMOSE GPCD Calculator v2.02



NMOSE GPCD Calculator v2.02



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9. Annual Reporting Performance

Overall Annual GPCD (based on Total Population)

Year	SFR - System Total		MFR - System Total		ICI		Other Metered		Non-Revenue Water		Total Supplied	Non-Revenue Volume Million Gallons (US)
	On Graph?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
2017	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	#VALUE!	160.14
2016	105.58	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.65	N/A	111.23	30.76
2015	103.38	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15.38	N/A	118.76	81.56
2014	116.03	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-2.26	N/A	113.77	(11.87)
2013	85.40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25.09	N/A	110.49	128.81
2012	88.60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28.42	N/A	117.03	143.01
2011	117.61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	34.46	N/A	152.07	169.52

Doña Ana MDWCA
2017 to 2011

NMOSE GPCD Calculator v2.02

Appendix C Best Management Practices

SYSTEM WATER AUDIT AND WATER LOSS

A. Description

System water audits and water loss programs are effective methods of accounting for all water usage by a utility within its service area. Performing a reliable water audit is the foundation of proper water resource management and loss control in public drinking water systems. There has been much recent interest in revising and developing water audit procedures to move away from simply considering “unaccounted for water” to a systematic methodology of accounting for all water uses. The structured approach of a water audit allows a utility to reliably track water uses and provide the information to address unnecessary water and revenue losses. The resulting information from a water audit will be valuable in setting performance indicators and in setting goals and priorities for cost-effectively reducing water losses.

Compiling a water audit is a two-step approach, a top-down audit followed by a bottom-up audit. The first step, the top-down audit, is a desktop audit using existing records and some estimation to provide an overall picture of water losses. If a utility has been conducting a water audit using the AWWA M36 Manual, the utility will already have the data needed to complete the first step of this audit. The records that will be needed include quantity of water entering the system, customer billing summaries, leak repair summaries, average pressures, meter accuracy test, meter change-out summary, permitted fire hydrant use, and other records that may be kept on water theft and unmetered uses such as street cleaning.

The second step of the audit, the bottom-up approach, involves a detailed investigation into actual policies and practices of the utility. This part of the audit is phased in over several years. There are several areas to be addressed including development of better estimates of water use by the fire department, water used in line flushing and street cleaning, and metering of all authorized uses. The procedures of the detailed water audit also include using night flow and zonal analysis to better estimate leakage; analysis of leakage repair records for length of time from reporting to repair of the leak; and analyzing pressure throughout the system.

Several indicators from the analyses in a water audit should be considered by utilities in order to improve water loss control procedures. These include:

- 1) Real Losses
Losses due to leakage and excess system pressure. Real losses can be reduced by more efficient leakage management, improved response time to repair leaks, improved pressure management and level control, and improved system maintenance, replacement, and rehabilitation. The cost of real losses is estimated using the marginal production costs, such as energy and chemicals needed to treat and deliver the water.
- 2) Apparent Losses
Losses due to meter accuracy error, data transfer errors between meter and archives, data analysis errors between archived data and data used for billing/water balance, and unauthorized consumption including theft. The cost of apparent losses is estimated using the retail commodity rates.
- 3) Unavoidable Annual Real Losses (“UARL”)
This represents the theoretically low level of annual real losses in millions of gallons daily (“MGD”) that could exist in a system if the current best management practices for leak management are successfully implemented. It is based on data obtained from systems where effective leakage management was implemented. The calculation of the UARL is based on number of miles of water mains, number of service connections, average water pressure, and length of service connections.

The UARL is allocated to service lines and water mains. The revised AWWA M36 Manual will provide details on how to calculate unavoidable annual real losses.

- 4) Infrastructure Leakage Index (“ILI”)
Ratio of annual real losses divided by UARL. The ILI provides a ratio of current leakage relative to the best level obtainable with current best management practices for leakage. A ratio of 1.0 would indicate that the utility has reduced losses to the theoretically lowest level possible.
- 5) Economic Level of Leakage (“ELL”)
This is a calculation based on the cost of reducing leakage. It is the theoretical level at which the cost of leakage reduction meets the cost of the water saved through leakage reduction. These costs include not only the cost of producing water but also the avoided cost of replacing the water.

In order to reduce water losses due to leakage, a utility should maintain a proactive water loss program. A structured approach to leakage management has proven to be successful in limiting losses. Potential elements of an active water loss program include:

- 1) Conducting regular inspections and soundings of all water main fittings and connections;
- 2) Using a water loss modeling program. A model can range from the AWWA M36 Manual Water Audit Spreadsheet to a commercially available statistical model;
- 3) Metering individual pressure zones;
- 4) Establishing district metering areas (“DMA”) and measuring daily, weekly or monthly flows with portable or permanently installed metering equipment;
- 5) Continuous or intermittent night-flow measurement;
- 6) Installing temporary or permanent leak noise detectors and loggers;
- 7) Reducing repair time on leaks since long-running small to medium size leaks can be the greatest volume of annual leakage;
- 8) Controlling pressure just above the utility’s standard-of-service level taking into account fire requirements, outdoor seasonal demand and requisite tank filling;
- 9) Operating pressure zones based on topography;
- 10) Limiting surges in pressure; and
- 11) Reducing pressure seasonally and/or where feasible to reduce losses from background leaks.

If a utility has not had regular leak surveys performed it will probably need at least three leak surveys performed in consecutive years or every other year for these reasons:

- 1) The first survey will uncover leaks that have been running for a long time;
- 2) The second survey will uncover additional long-running leaks whose sounds were masked by larger nearby leaks; and
- 3) By the third survey, the level of new leaks should start to approximate the level of new reported leaks.

The utility should make every effort to inform customers when leaks exist on the customer side of the meter. If customer service line leaks are significant, a utility might consider the option of making the repairs itself.

The utility should reduce apparent losses since reducing these losses will increase utility revenue. Some of the areas that should be examined are:

- 1) Customer meter inaccuracy due to meter wear, malfunction or inappropriate size or type of meter;
- 2) Data transfer error when transferring customer metered consumption data into the billing system;
- 3) Data analysis errors including poor estimates of unmetered or unread accounts;
- 4) Inaccurate accounting resulting in some accounts not being billed for water use;
- 5) All forms of unauthorized consumption including meter or meter reading tampering, fire hydrant theft by contractors, unauthorized taps, and unauthorized restoration of water service cutoffs; and
- 6) Unmetered municipal connections (every effort should be made to meter municipal connections in order to better account for water use).

B. Implementation

To successfully implement this BMP, the utility should start by forming a working group from the following work areas: management, distribution, operations, production, customer service, finance, and conservation. Each of these work areas has an essential role to play in implementing this BMP. Smaller utilities may have the same person doing several of these functions and therefore the working group may just be one or two individuals. The utility should also consider a public involvement process to solicit outside input as well as to enhance public relations.

Initially the working group should focus on gathering relevant data and identifying current practices listed above in Section B that form the basis for the top-down audit. Some of the questions that should be addressed during the top-down audit are:

- 1) How often do we test production meters? Commercial meters over 1 inch? Over 2 inches?
- 2) How often do we replace or repair $\frac{5}{8}$ and $\frac{3}{4}$ -inch meters?
- 3) How inaccurate are the $\frac{5}{8}$ and $\frac{3}{4}$ inch meters on average when they are replaced?
- 4) Do we estimate total leakage from each leak based on the leakage flow rate and length of leakage from time reported when we fix leaks?
- 5) How long does it take to repair leaks, itemized by size of leak?
- 6) Are customers encouraged to report leaks?
- 7) Do we have a system for tracking location of leaks and a method to calculate when it is cost-effective to replace mains and service lines?
- 8) Are meter readers trained to look for and report leaks?
- 9) Do we adjust consumption records when billing records are adjusted?
- 10) Is backwash and other in-plant water use optimized?
- 11) How effective is our theft reduction program?

Based on the data collected and information from the questions above, the utility should have enough information to complete a top-down audit. An ILI of 3 should be used as an example of an achievable target. If the ILI is 3 or below, then further implementation of the BMP is not required until the following year. This would indicate that the utility already has an effective water audit and water loss program. If the ILI is above 3, then the utility should implement a more effective water audit and water loss program. The utility then proceeds to conduct a bottom-up audit.

In conducting the bottom-up audit, the utility addresses the relevant issues identified during the top-down audit and further investigates those issues discussed in Section B. The utility uses the results of the audit to focus on the best approaches to reduce both real and apparent losses. Depending on whether the ILI is relatively high or low determines the number of years it may take to reduce the ILI to 3.

Each subsequent year, the utility completes another top-down audit. Over time the utility should be able to gradually reduce its ILI to 3. If the utility finds the ILI is increasing, then it should perform a bottom up audit.

C. Schedule

To accomplish this BMP, the utility should:

- 1) Gather the necessary information for conducting the top-down audit, develop the procedures and complete the audit within the first twelve (12) months of implementing this BMP.
- 2) The bottom-up refinements should start to be implemented in the twelve (12) months immediately following the completion of the top-down audit if the ILI exceeds 3.
- 3) Based on the goal of achieving an ILI target of 3, the utility continues to implement bottom-up refinements to reduce real and apparent losses each subsequent year until the utility achieves an ILI of 3.
- 4) The utility's ILI should be calculated each year.

D. Scope

To accomplish this BMP, the utility should:

- 1) Conduct a periodic system audit following the methodology contained in the revised AWWA M36 Manual.
- 2) Develop and perform a proactive distribution system water loss program and repair identified leaks.
- 3) If the utility's ILI is greater than 3:
 - a. Implement a pressure reduction strategy if warranted;
 - b. Implement a program to reduce real losses, including a leak detection and repair program;
 - c. Implement a program to reduce apparent losses; and
 - d. Advise customers when it appears that leaks exist on the customer's side of the meter and evaluate a program to repair leaks on the customer's service line.

E. Documentation

To track the progress of this BMP, the utility should gather and have available the following documentation:

- 1) A copy of each annual system audit, the ILI for each year, and a list of actions taken in response to audit recommendations.
- 2) Annual leak detection and repair survey, including number and sizes of leaks repaired.
- 3) Number of customer service line leaks identified and actions taken to repair these leaks.
- 4) Pressure reduction actions taken, if any; and
- 5) Annual revenue increased through reducing apparent losses.

F. Determination of Water Savings

Potential water savings are an integral part of the system water audit process and should be contained in the audit report. Based on the results of the audit, the utility should set goals for reducing its losses.

G. Cost-Effectiveness Considerations

Direct costs that should be considered in implementing this BMP include the initial and ongoing costs for performing and updating the water audits and capital costs for items such as leak detection equipment and billing software upgrades. Utilities may wish to do the work in house with technical staff or by using outside consultants and contractors.

A recommended method to make cost effectiveness decisions is based on the economic value of real losses and apparent losses. Real losses are losses due to leaks and are valued at actual costs to produce and deliver the water. Apparent losses, sometimes called paper losses, are those attributable to meter and billing inaccuracies and are valued at the retail rates charged by the utility. The amount of lost revenue due to real losses, based on the utility's marginal production cost, and apparent losses, valued at the retail rate charged to customers, can be compared to the costs of reducing the sources of loss.

WATER CONSERVATION PRICING

A. *Applicability*

This BMP is intended for all Municipal Water User Groups (“utility”) wishing to send price signals to customers to encourage water conservation. A utility may have already accomplished this BMP if it currently has a conservation price structure.

B. *Description*

Water Conservation Pricing is the use of rate structures that discourage the inefficient use or waste of water. Conservation pricing structures include increasing unit prices with increased consumption such as inverted block rates, base rates and excess use rates such as water budget rates, and seasonal rates. Seasonal rate structures may include additional charges for upper block (outdoor) usage or excess-use surcharges for commercial customers to reduce demand during summer months. The goal of conservation pricing is to develop long run consumption patterns consistent with cost. Under this BMP, utilities should consider establishing rates based upon long-run marginal costs, or the cost of adding the next unit of capacity to the system. An established cost of service methodology should be followed whenever rates are developed or proposed for change.

This BMP addresses conservation pricing structures for retail customers. For utilities supplying both water and sewer service, this BMP applies to pricing of both water and sewer service. Utilities that supply water but not sewer service should make good faith efforts to work with sewer agencies so that those sewer agencies do not provide sewer services for a declining block rate.

For conservation pricing structures to be effective, customers should be educated on the type of rate structure that the utility uses and be provided monthly feedback through the water bill on their monthly water use. Most customers do not track water use during the month because of the difficulty and inconvenience of reading the meter. When customers read their bill, they most often just look at the total amount billed. Conservation pricing has the advantage of providing stronger feedback to the customers who will see a larger percent increase in their water bill than the increase in water use. Utilities should move toward adopting billing software that allows customers to compare water use on their bill with average water use for their customer class as well as their individual water use for the last 12 months. The rate structure should be clearly indicated on the water bill.

It is not recommended that a minimum monthly water allotment be included in the minimum bill. The AWWA notes that minimum charges are often considered to work counter to conservation goals and are unfair to those who use less than the monthly minimum. A customer who does not use the entire amount included in the minimum during the billing period will be charged for the water allotment regardless, and thus may feel he should find a way to use the additional water. A customer in a house with all efficient fixtures and appliances can use 1000 gallons or less per month and may be inclined to increase their water use if a minimum bill includes more than 1000 gallons¹. In the Residential End Use Study², approximately 6 percent of homes had a per capita use of less than 1000 gallons per month.

C. *Implementation*

Successful adoption of a new rate structure may necessitate developing and implementing a public involvement process in order to educate the community about the new rate structure. The new rate structure should adhere to all applicable regulatory procedures and constraints. If the conservation pricing structure to

be implemented is substantially different from current practices, then a phase-in approach may be appropriate.

Public involvement in the development and implementation of conservation rates can help assure that the goals of the conservation pricing initiatives will be met and accepted by local constituents. Public meetings, advisory groups, and public announcements are among ways to generate public involvement.

Development of conservation-based rate structures is more than just selection of arbitrary usage breaks. The process requires consideration of the effect on water demand and water utility finances.

1) Basic rate structure considerations should include rates designed to recover the cost of providing service and billing for water and sewer service based on actual metered water use. Conservation pricing should provide incentives to customers to reduce average or peak use, or both. The conservation rate structure can be designed to bring in the same amount of revenue, often termed revenue neutral, as the previous rate structure.

2) Only one type of conservation pricing is required for this BMP. Conservation pricing is characterized by one or more of the following components:

a. Seasonal rates to reduce peak demands during summer months. There are a variety of approaches including having increasing block rates only during the summer months or having a year round block rate structure with higher block rates during the summer months.

b. Rates in which the unit rate increases as the quantity used increases (increasing block rates). For block rate structures, the rate blocks should be set so that they impact discretionary use. A utility should analyze historical records for consumption patterns of its customers. The first block should typically cover the amount of water for normal household health and sanitary needs. To increase the effectiveness of this rate structure type, the additional revenue from the higher blocks should be associated with discretionary and seasonal outdoor water use.

Rates for single family residential and other customer classes may be set differently to reflect the different demand patterns of the classes.

The price difference between blocks is very important in influencing the customer's usage behavior. Price increases between blocks should be no less than 25 percent of the previous block. For maximum effectiveness, the price difference going from one block to the next highest block is recommended to be at least 50 percent of the lower block. For example if the third block of a four-block rate structure is \$4.00 per 1000 gallons, the fourth and final block should have a rate of at least \$6.00 (50 percent higher) per 1000 gallons. Any surcharge based on water usage should be included when calculating these percentages.

c. Rates based on individual customer water budgets in which the unit cost increases above the water budget. Water budget rate structures are based on the philosophy that a certain amount of water is adequate for all normal necessary uses, and uses above that amount are considered excessive and charged as excessive. For example, Irvine Ranch Water

District in California sets the excess use charges at 200 percent of the base rate. Typically there should be an indoor and an outdoor component to a water budget.

For residential rates, the indoor component should be based upon estimates of average family use. The outdoor component is based upon landscape area. For business customers, water budgets will often be based upon historical average for indoor water use, and outdoor component based upon landscape area.

To qualify as a conservation rate, utilities that implement water budget based rate structures typically begin excess rate charges for landscaped areas at no more than 80 percent of average annual reference evapotranspiration replacement rates.

d. Rates based upon the long-run marginal cost or the cost of adding the next unit of capacity to the system.

3) Conservation pricing should use a consumption charge based upon actual gallons metered. The minimum bill for service should be based on fixed costs of providing that service which generally includes service and meter charges. Including an allotment for water consumption in the minimum bill does not promote conservation and it is recommended that if a minimum is included, it not exceed 2000 gallons per month. Utilities including a water allotment in the minimum bill should consider eliminating that allotment within five years of implementing this BMP.

4) Adoption of lifeline rates neither qualifies nor disqualifies a rate structure as meeting the requirements of this BMP except that the minimum bill guidelines should be followed. Lifeline rates are intended to make a minimum level of water service affordable to all customers.

5) The utility should educate customers about the rate structure and use billing software that allows the customer to compare water use on their bill with average water use for their customer class as well as their individual water use for the last 12 months. The rate structure should be clearly indicated on the water bill. The utility may want to consider implementing the Public Information BMP in conjunction with this BMP in order to provide customers information on how to reduce their water bill under a conservation rate structure.

6) In order to be able to set up an effective irrigation rate, the utility should consider adopting rules or ordinances requiring new commercial and industrial customers to install separate irrigation meters and consider retrofitting current commercial and industrial customers with irrigation meters. It is important for commercial and industrial customers to have a separate irrigation meter so they can better understand how much water they are using for irrigation. This provision is optional for this BMP.

D. Schedule

Utilities pursuing this BMP should begin implementing this BMP according to the following schedule:

- 1) The utility should follow applicable regulatory procedures and adopt a conservation-oriented rate structure within the first twelve months. The conservation rate structure should be designed to promote the efficient use of water by customer classes as outlined in this BMP.
- 2) At least annually, a utility should review the consumption patterns (including seasonal use) and its income and expense levels to determine if the conservation rates are effective and make appropriate, regular rate structure adjustments as needed.
- 3) At least annually, the utility should provide information to each customer on the conservation rate structure.
- 4) If not already in place, within five years or when the utility changes billing software, whichever is sooner, the utility bill should provide customers with their historical water use for the last 12 months and a comparison of water use with the other customers in their customer class. The rate structure should be clearly indicated on the water bill.
- 5) While not required to be implemented as part of this BMP, within one year the utility should consider adopting service rules or an ordinance requiring all new commercial and industrial customers to install separate irrigation meters and the feasibility of retrofitting commercial and industrial current customers with irrigation meters.

E. Scope

To accomplish this BMP, the utility should implement a conservation-oriented rate structure and maintain its rate structure consistently with this BMPs definition of conservation pricing.

F. Documentation

To track this BMP, the utility should maintain the following documentation:

- 1) A copy of its rate ordinance or rate tariff that follows the guidelines of this BMP;
- 2) Billing and customer records which include annual revenues by customer class and revenue derived from commodity charges by customer class for the reporting period;
- 3) Customer numbers and water consumption by customer class at the beginning and end of the reporting period;
- 4) If a water allotment is included in the minimum bill, a cumulative bill usage analysis similar to Figure C-3 in the AWWA M1 Manual;
- 5) A copy of the education materials on the conservation rate sent to customers for each calendar year this BMP is in effect;
- 6) A utility bill meeting the parameters and schedule in Section D;
- 7) Optional provisions:

- a. A copy of the rule or ordinance requiring all new commercial and industrial customers to install separate irrigation meters; and
- b. Implementation and schedule for an irrigation meter retrofit program for current commercial and industrial customers or a feasibility analysis of an irrigation meter retrofit program for current commercial and industrial customers.

G. Determination of Water Savings

The effect of conservation pricing implementation is very specific to each utility. Elasticity studies have shown an average reduction in water use of 1 to 3 percent for every 10 percent increase in the average monthly water bill. When implementing a conservation pricing structure, consideration should be given to the factors that influence whether the new structure results in a reduction in water use. The Water Price Elasticities for Single-Family Homes in Texas (See Section I. References for Additional Information, 1) study included several significant findings that water savings can be expected:

- 1) Average price is better than marginal price in explaining the quantity of water demanded by customers.
- 2) Customers have a general lack of awareness of their block rates.
- 3) The water savings that accompanies a switch to a block rate may be lost in subsequent years if water rates do not keep up with inflation.
- 4) Customers do not understand the link between water use and sewer billing and therefore do not tend to factor sewer prices into their water use decisions.
- 5) The study did find price elasticities of approximately -0.20, which translates into a reduction of 2 percent in water use for a 10 percent increase in price.

The utility should focus on a rate design that sends the appropriate price signal to customers to reduce discretionary water use. To remain effective, the rates need to be adjusted periodically to take into account inflation as well as other factors.

H. Cost Effectiveness Considerations

A cost effectiveness analysis can be done by comparing the cost of implementing this BMP to the anticipated water savings from adopting the conservation rate structure. The costs for implementing a rate structure change are associated with managing a stakeholder involvement process and costs for consultant services, if needed, and there may be one time only costs associated with developing and adopting ordinances and enforcement procedures. There may be significant costs associated with reprogramming the billing system if this step is necessary.

I. References for Additional Information

- 1) Principles of Water Rates, Fees, and Charges (M1 Manual), AWWA, 2000.
- 2) Residential End Uses of Water, AWWA Research Foundation, 1999
- 3) Designing, Evaluating, and Implementing Conservation Rate Structures, California Urban Water Conservation Council, July 1997.

PUBLIC INFORMATION

A. Description

Public information programs, even though they may not be directly related to any equipment or operational change, can result in both short and long-term water savings. Behavioral changes by customers will only occur if a reasonable yet compelling case can be presented with sufficient frequency to be recognized and absorbed by customers. There are many resources that can be consulted to provide insight into implementing effective public information programs. Like any marketing or public information program, to be effective, water conservation public information should be planned out and implemented in a consistent and continual manner.

The goal is education of customers about the overall picture of water resources in the community and how conservation is important for meeting the goals of managing and sustaining existing water supplies and avoiding or delaying building of new facilities. An equally important part of the program is to provide data and information on specific actions and measures the customers should take to implement these community goals. Showing customers that the results of those actions have made a difference encourages greater participation in conservation efforts.

There are a variety of tools that can be effectively used to communicate water conservation public education. These include use of print, radio, and television media; billboards; direct distribution of materials; special events such as exhibits and facilities tours; and maintenance of an informative website.

Print media activities can include press conferences, articles and news releases. Regular columns and contributions to gardening and environmental reports are also good ways to reach a wide audience. Electronic media efforts include talk shows, news conferences, press releases, public service announcements, and even paid commercials.

Besides media, utilities can use direct distribution of materials such as inserts or messages on the utility bill, a newsletter, flyers, direct mail, and door hangers. Direct distribution allows targeting of specific messages to specific target audiences.

Special events provide excellent opportunities for direct interaction with the public. These events include facility tours, exhibits, participation in community events, trade shows, presentations to groups, water efficient landscape judging and competitions, and classes and seminars. Development of demonstration gardens and permanent exhibits are also effective.

Websites are now an essential element of public information. Much of the same printed material made available to the media and through direct distribution can be put on a website. Electronically delivered newsletters should include links to the utility's website.

An early step in development of the public information program is to identify the target audiences and what messages need to be conveyed. Themes should be selected that both convey the importance of water conservation and provide customers an opportunity to act. Thematic messages that stress the importance of water as a natural resource can be linked with specific tips or water conserving activities. The most successful public information campaigns also promote or "market" opportunities for customers to participate in utility sponsored conservation programs such as rebate and/or retrofit programs described in other BMPs.

Each public information program should be tailored to the utility and the community. The types of communication methods most effective for the target audience should be identified. Certain media outlets will be more effective than others. For example, television may be effective for large city utilities where it would not be for suburban or rural utilities. In those areas, a local newspaper or direct distribution of materials would likely be better choices.

There are many publications, brochures, videos, DVDs, etc. already available on water conservation that can be used as published or modified to meet the goals of the utility.

Some of the most effective education initiatives involve the participation of customers in the planning process. Creation of stakeholders committees, task forces, or advisory groups have proven effective for utilities in both defining the message and in recruiting allies in the community for promotion of water conservation. Such participatory programs should be well planned and may require an extensive process with numerous meetings or could be a relatively shorter process with representatives of key community organizations. The representative approach could involve neighborhood associations, business groups (i.e. nursery/landscape or other water-related businesses), academic institutions, not-for-profit agencies and environmental organizations among the mix of groups invited to participate. This process will be most successful if public input is sought not only for the public information plan but also for the entire Conservation Plan.

Partnership programs are another effective means of expanding the utility's public information efforts. Numerous not-for-profit agencies include environmental education among their goals. Integrating the utility's public information efforts with programs of other local agencies expands the impact of utility efforts.

Some business associations, neighborhood associations or not-for-profit groups may also provide partnering opportunities for the overall utility conservation program or specific BMPs. Together with these partners utility staff may be able to develop a speaker's bureau to offer adult education about specific water efficiency related topics such as Water Wise landscaping, irrigation system management, and retrofit and behavioral changes available to reduce water bills.

Another important marketing tool for successful conservation programs is public recognition of water-conserving customers. This is often used to focus attention on commercial customers as an incentive to promote greater efficiency by providing positive coverage of company conservation efforts. Awards or certification programs exist in a number of utility programs in across the nation. These programs have also been used to recognize water-saving landscape designs.

For utilities that are pursuing a number of BMPs, it is important that the public information efforts be integrated with the promotion of implementation of the other conservation BMPs. Promotional efforts or "marketing" of rebates, retrofits, surveys, or educational events should be tied together in the Public Information Plan, much like commercial entities develop a marketing plan.

B. Implementation

The first step in implementation is to develop a Public Information Plan with goals and objectives and a schedule of activities for the first year and a tentative second year schedule. Forming a committee composed of customers and community leaders can help with the development of an effective plan. Committee members may be directly involved in implementing the plan, such as partnership programs with other agencies promoting water conservation, businesses or residents which implement BMPs and receive public recognition, or providing non-utility volunteers to promote conservation through a speakers bureau. Utilities should take

advantage of and coordinate their efforts with State programs on conservation². Another option is using firms that specialize in marketing and public information to develop a public information program.

The goal should be, at a minimum, to provide information to each customer at least four times each year on each action that the utility would like the customer to take. The plan should be updated every year continuing with a two-year time horizon. Every other year, the utility should survey a sample of customers or consider the use of focus groups to determine if the utility messages are reaching customers and how effective the messages are in terms of customer actions.

The Public Information Plan should be a substantial part of the utility's overall Conservation Plan. Implementation of the Public Information program should be integrated with the implementation of specific BMPs included in the Conservation Plan. A successful public information effort will promote participation in other BMPs

C. Schedule

- 1) Utilities pursuing this BMP should begin implementing this BMP according to the following schedule: The utility should complete the Public Information Plan within six (6) months of adopting this BMP.
- 2) In the second year and each year thereafter, the utility should complete a revised Public Information Plan.
- 3) In the second year and every other year thereafter, the utility should conduct and complete a survey of customers to determine the effectiveness of its message and actions that customers have taken.
- 4) Every other year, the utility should survey customers or convene focus groups to assist in determining the effectiveness of materials used or to be used in the public information campaign.

D. Scope

The Public Information Plan should provide conservation information on each BMP being implemented to customers at least four times per year. For utilities focused on reducing summertime peak usage, themes and scheduling of message should be repeated numerous times during the late spring and early summer, rather than being spaced evenly throughout the year.

E. Documentation

To track the progress of this BMP, the utility should gather and have available the following documentation:

- 1) Number of activities and pieces of information and how many customers were at that activity or received each piece of information;
- 2) Number and schedule of activities or information pieces related to promoting specific BMPs adopted by the utility;
- 3) Number of news programs or advertisements that featured the utility message and how many customers had the opportunity to receive each message;
- 4) Total population in the utility service area;
- 5) Total budget by category for public information; and
- 6) Results of annual or biannual customer survey and/or focus groups to determine the reach and impact of the program.

F. Determination of Water Savings

Water savings due to public information efforts are difficult to quantify. If the public information effort was for a specific action such as a showerhead distribution, the savings can be calculated under this BMP if the utility did not implement the BMP containing the product or action. Water savings for other public information programs that result in specific actions by customers such as changes in irrigation scheduling or reduction in water waste occurrences could also be quantified through surveys or analysis of water waste reporting.

G. Cost-effectiveness Considerations

The costs for implementing this BMP depend on the scope of the public information effort. There may be costs for administration and materials. A comprehensive program would range in costs starting at \$0.50 to \$3.00 per customer per year depending on the size of the utility. Larger utilities should have lower unit costs due to economies of scale. The public information program can be developed and managed by utility staff or outside contractors. Media purchases with TV, radio and print media may be done directly by utility staff.



Doña Ana Mutual Domestic Water Consumers Association
Mailing Address: P.O. Box 866 • Doña Ana, NM • 88032
Physical Address: 5535 Ledesma Dr • Las Cruces, NM 88007
(575) 526-3491 Office • (575) 526-9306 Fax

RESOLUTION 2018 - 18

**AUTHORIZING AND APPROVING SUBMISSION OF A COMPLETED
APPLICATION FOR FINANCIAL ASSISTANCE AND PROJECT APPROVAL TO
THE NEW MEXICO FINANCE AUTHORITY FOR THE
WATER TRUST BOARD FUND**

WHEREAS, the Doña Ana Mutual Domestic Water Consumers Association whose Planning and Design for Water Tank and Distribution Replacement Project (“Project”); and

WHEREAS, the Doña Ana Mutual Domestic Water Consumers Association may apply for financial assistance from the New Mexico Water Trust Board for Board to fund this Water Infrastructure; and

WHEREAS, the Doña Ana Mutual Domestic Water Consumers Association is eligible to apply for funding from the New Mexico Water Trust Board.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE, Doña Ana Mutual Domestic Water Consumers Association, located in New Mexico, that the filing of an application to the New Mexico Water Trust Board for funding in the 2019 Water Trust Board Fund funding cycle is hereby authorized. The project falls under Water Storage, Conveyance, and Delivery section. The financial assistance requested is in the amount of \$500,000.

BE IT FURTHER RESOLVED, that the Executive Director is hereby designated as the Doña Ana Mutual Domestic Water Consumers Association representative to act on behalf of this application.

PASSED, APPROVED AND ADOPTED by the Doña Ana Mutual Domestic Water Consumers Association’s Board of Directors, this 20th day of September 2018.

Jim Melton, President of the Board of Directors

Jamie Stull, Vice President of the Board of Directors

Kurt Anderson, Sec/Treasurer of the Board of Directors

Dan Hortert, District 3 Representative

Tod Roberts, District 5 Representative

Dona Ana MDWCA
Attn. Mr. Jim Milton, President of Board
PO Box 866
Dona Ana, NM 88032

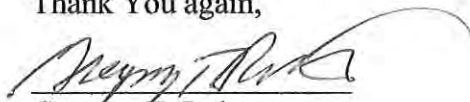
September 24th, 2018

Subject: Resignation from board

Dear Mr. Milton,

Some pressing family issues have arisen that I must address, thus I feel that I cannot continue to give the needed time and focus required to properly fulfill the position of a board member. With remorse, I must submit my resignation from the board of directors of Dona Ana Mutual domestic Water Consumers Association for district 5, Picacho Hills area effective October 18th, 2018. It has been great pleasure participating with you and the other board members and I have enjoyed the experience very much. I was looking forward to the many projects and events the water company was planning. Should conditions change before my departure, I will immediately withdraw this resignation with the board's approval.

Thank You again,



Gregory T. Roberts
8052 Renoir Loop
Las Cruces, NM 88007

PS. If you are interested, I know of a very qualified person to fill this board position for district 5. I think Dr. Paul Maxwell could bring a lot to the table and he has shown a concern for our water needs. His Phone number is 915-276-3024.

Gregory T. Roberts
8052 Renoir Loop
Las Cruces, NM 88007
575-993-8448