



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 November 2, 2017, 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 10-19-2017 Regular Meeting

Approval of New Members & Meters

Customer Issues and Public Input

2. Ruben Retana – Wastewater Connection

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 Resolution 2017 – 11 - Customer Policies
5. Approval of Resolution 2017 – 12 – Board of Directors Election Proclamation
6. Approval of 40 Year Plan

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. Real property and water right acquisition
 - a. Negotiations with a Private Water System

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 is in need of 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 Nelson at (575) 526-3491 on the Tuesday prior to the meeting or as soon as possible.



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Domestic Water Consumers Association Board of Directors, October 19, 2017 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

Board Member – Dr. Kurt Anderson, Present

Board Member – Raymond Ponteri, 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 October 19, 2017 Regular Board Meeting as presented; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion. The Chair called for a vote on the motion, which carried by roll call vote 4-0.

Minutes

Dr. Anderson moved to approve the Regular Board Meeting Minutes of October 5, 2017 as presented; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion to which none was brought forward. The Chair called for a vote on the minutes; the motion carried by roll call vote 4-0.

Dr. Anderson moved to approve the Special Board Meeting Minutes of October 7, 2017 as presented; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion. No discussion was brought forward. The Chair called for a vote on the minutes; the motion carried by roll call vote 4-0.

New Members & New Meters

Dr. Anderson moved to approve the New Members and New Meters list as presented; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion. Executive Director Jennifer Horton advised we have twenty (20) names on the list; sixteen (16) are new members, and three (3) are new meters. The Chair called for a vote on the motion; the motion carried by roll call vote 4-0.

Customer Issues and Public Input

No Customer Input was brought forward

Board President Report

Mr. Melton would like to thank the Board of Directors, Executive Director Jennifer Horton, and legal counsel Joshua Smith for accommodating the Special Board Meeting held on October 7, 2017 as he was not able to be present and had to utilize the phone conference feature.

Staff Reports

Executive Director Jennifer Horton advised it has been a busy time for us as we began construction on Fairview Phase II. We must proceed with caution due to numerous existing utilities. In many cases we are having to enter yards as they are located in DOT right-of-way. We are progressing in establishing SCADA as several projects are finalized in the Picacho Hills area. We are close to obtaining permits for Via Norte and will be able to proceed to bidding soon. The last two easements needed for our Radium Springs project have been filed with construction beginning early 2018.

Ms. Horton completed her recertification as our Chief Procurement Officer. She has been appointed to the Dona Ana County Internal Audit Committee on a volunteer basis.

Unfinished Business

Mr. Ponteri moved to approve Leak Insurance as presented; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion. Mr. Stull asked if we can spend a few months sending informative pamphlets to customers to provide every opportunity for our membership to opt out or opt in. Ms. Horton advised opting in is not an option; membership must opt out if they do not wish to have leak insurance. A video from ServLine was presented to the Board with a letter from John Jones and his experience; ServLine has a 97% retention program. The Board voiced various scenarios to ensure full understanding of the product. Mr. Melton is against the program due to the opt out feature instead of an opt in. If approved, the Association would then determine the definition of a leak to create our leak policy for the insurance company. We will also provide inserts in both English and Spanish to our membership prior to implementing the policy to ensure full transparency. The Board designated Ms. Horton and Mr. Smith to write a draft policy to accommodate the leak insurance. The Chair called for a vote on the motion; the motion carried by roll call vote 3-1:

Mr. Stull – Yes

Dr. Anderson – Yes

Mr. Ponteri – Yes

Mr. Melton – No

Dr. Anderson moved to approve Resolution 2017-11 as presented; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion. Mr. Ponteri moved to table Resolution 2017-11 until our next Regular Board Meeting on November 2, 2017 which was seconded by Mr. Stull. The Chair called for a vote on the motion to table; the motion carried by roll call vote 4-0.

Open Discussion

Dr. Anderson requested additional data with regards to the Association wells.

Adjournment

Mr. Stull moved to adjourn at 10:06 a.m.; the motion was seconded by Dr. Anderson. The Chair called for a vote on the motion which carried by roll call vote 4-0.

Kurt Anderson
Secretary/ Treasurer

Date

New Meters		October 2017						Total
Name	Address	Tap In Fee	Water Right	Membership	Tax	Sewer	Other Fees	Fees
Vanessa Maryol	1428 Burke Rd	\$ 1,271.28	\$ 1,750.00	\$ 75.00	\$ 154.81			\$ 3,251.09
Leslie Bettner	1325 Pinon Jay Ct			\$ 75.00	\$ 3.75			\$ 78.75
Maria L Rosales	245 Rosales Farm Rd			\$ 75.00	\$ 3.75			\$ 78.75
Angela Armijo	2895 Meriwether			transferred				\$ -
Mesilla Valley Habitat	4170 Aurora Star Ct	\$ 1,340.67	\$ 1,750.00		\$ 154.53			\$ 3,245.20
Mesilla Valley Habitat	4158 Aurora Star Ct	\$ 1,340.67	\$ 1,750.00		\$ 154.53			\$ 3,245.20
Mesilla Valley Habitat	4166 Aurora Star Ct	\$ 1,340.67	\$ 1,750.00		\$ 154.53			\$ 3,245.20
Desert View Homes	3022 San Elizario Ct	\$ 1,340.67	\$ 1,750.00	EM	\$ 154.53			\$ 3,245.20
Desert View Homes	3042 San Elizario Ct	\$ 1,340.67	\$ 1,750.00	EM	\$ 154.53			\$ 3,245.20
Desert View Homes	3038 San Elizario Ct	\$ 1,340.67	\$ 1,750.00	EM	\$ 154.53			\$ 3,245.20
Spirit View Homes	1616 Calle Murillo	\$ 1,340.67	\$ 1,750.00	\$ 75.00	\$ 217.53	\$ 1,185.00		\$ 4,568.20
Victor Chavez	1824 Tejean Trail	\$ 1,312.03	\$ 1,750.00	\$ 75.00	\$ 223.83		\$ 1,339.61	\$ 4,700.47
Angelina V. Torres	2882 San Miguel Ct			\$ 75.00	\$ 3.75			\$ 78.75
Christopher Boston	10057 Saragossa Ct			\$ 75.00	\$ 3.75			\$ 78.75
Leona J. Tingle	2921 Borroughs			\$ 75.00	\$ 3.75			\$ 78.75
Crystal Robles	3148 El Camino Real			\$ 75.00	\$ 3.75			\$ 78.75
Reynaldo Castro	2915 La Union Ct			\$ 75.00	\$ 3.75			\$ 78.75
Total								\$ 32,542.21



DAMDWCA Customer Service Department Report

19 October 2017

I. Billing:

1. On September 29, 2017 billing was submitted and approved. Statements were mailed out on October 1, 2017.

II. Penalties:

1. Penalties for September totaled: \$ 5,774.59
2. Penalties will be processed on October 25, 2017.

III. Disconnects:

1. On Thursday, September 21, 2017 we disconnected accounts for non-payment. There were 96 accounts up for disconnection. A total of 66 were disconnected.

Dona Ana: 48

Ft. Selden: 6

Picacho Hills: 10

Fairview: 2

Previously Locked: 3

Paid prior to disconnection: 27

Removed due to billing issues: 1

Total Reconnections for September: 56

Disconnects are scheduled for Monday, October 23, 2017.

IV. Membership Certificates: Membership certificates are ready for signatures.

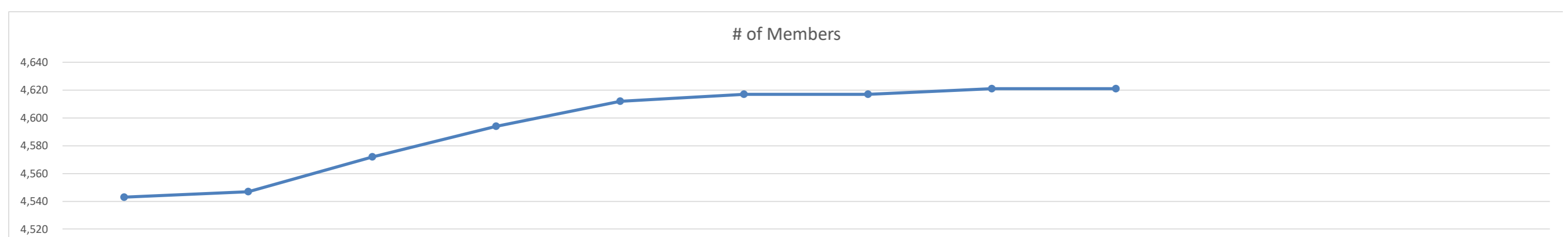
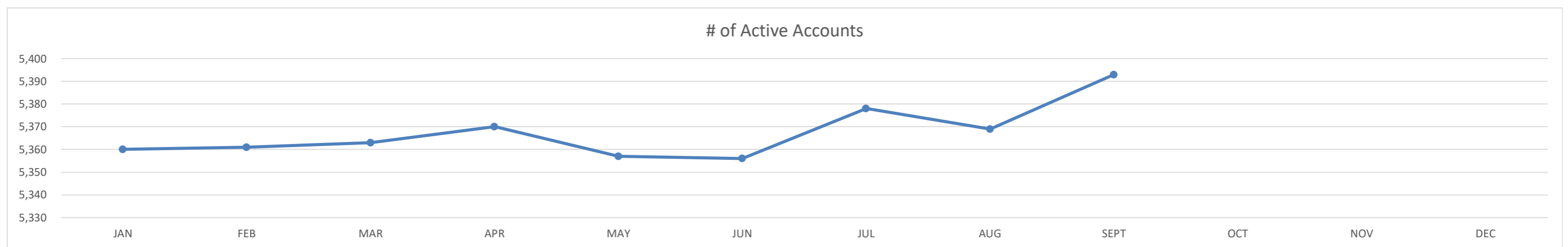
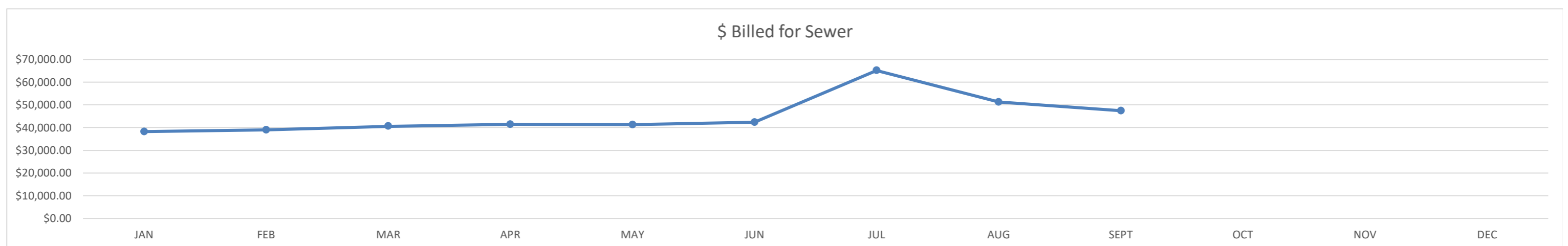
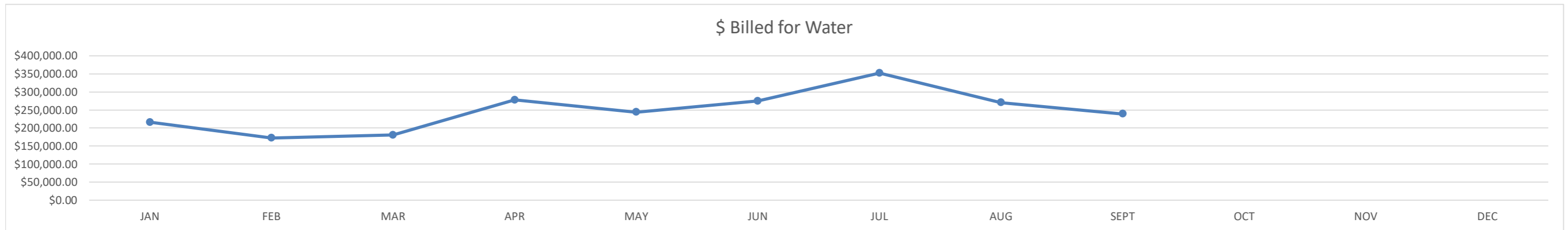
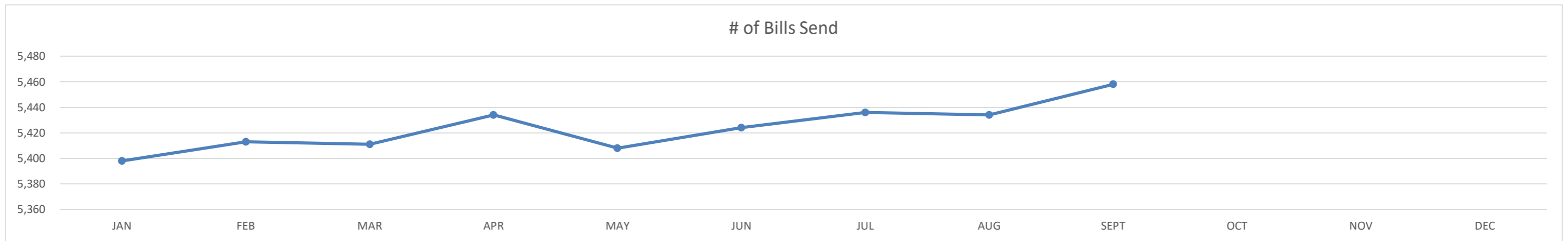
V. Document Scanning: Scanning is completed on a daily basis. Towards the end of the month we catch up on items we were not able to scan earlier in the month.

I. Total Membership as of August 2017: 4,621

II. Total number of Connections as of October 5, 2017: 5,726

2017 Billing Summary

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
# of Bills Send	5,398	5,413	5,411	5,434	5,408	5,424	5,436	5,434	5,458			
\$ Billed for Water	\$215,747.76	\$172,247.18	\$180,734.29	\$277,704.60	\$244,027.21	\$275,087.49	\$352,216.44	\$270,420.07	\$ 239,200			
\$ Billed for Sewer	\$38,225.46	\$38,914.49	\$40,578.54	\$41,385.62	\$41,224.30	\$42,373.92	\$65,110.99	\$51,282.50	\$ 47,350			
# of Active Accounts	5,360	5,361	5,363	5,370	5,357	5,356	5,378	5,369	5,393			
# of Members	4,543	4,547	4,572	4,594	4,612	4,617	4,617	4,621	4,621			



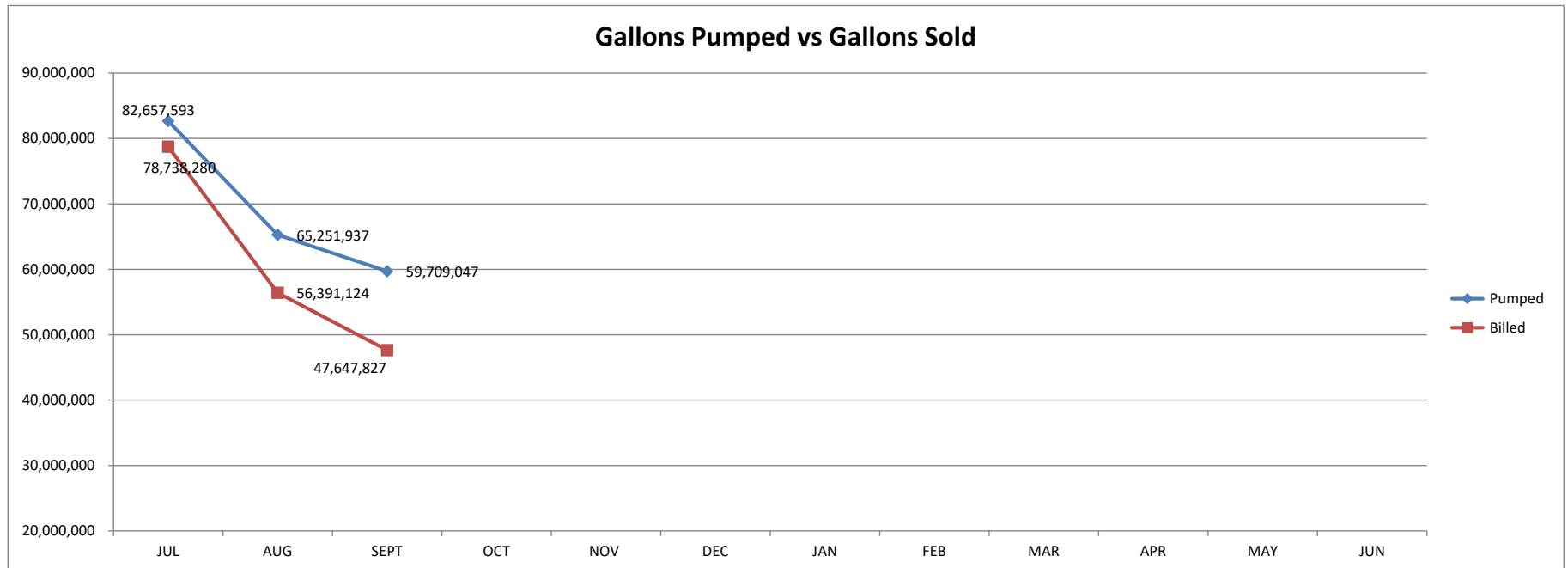
	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Yrly. Gal. Total
Pumped	82,657,593	65,251,937	59,709,047										207,618,577
Billed	78,738,280	56,391,124	47,647,827										182,777,231
Flushing/Breaks													-
Unbilled	4,671	170,656	21,496										196,823
Water Loss	3,914,642	8,690,157	12,039,724	-	-	-	-	-	-	-	-	-	24,644,523
% of Loss	5%	13%	20%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	12%

Picacho Hills

Pumped	15,705,500	11,416,300	10,309,000										37,430,800
Billed	13,973,131	10,248,313	9,443,248										33,664,692
Unbilled	-	20,000	-										20,000
Water Loss	1,732,369	1,147,987	865,752	-	-	-	-	-	-	-	-	-	3,766,108
	11%	10%	8%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	10%

Dona Ana/Radium/Fairview

Pumped	66,952,093	53,835,637	49,400,047	-	-	-	-	-	-	-	-	-	170,187,777
Billed	64,765,149	46,142,811	38,204,579	-	-	-	-	-	-	-	-	-	149,112,539
Unbilled	4,671	150,656	21,496	-	-	-	-	-	-	-	-	-	176,823
Water Loss	2,182,273	7,542,170	11,173,972	-	-	-	-	-	-	-	-	-	20,898,415
	3%	14%	23%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	12%



Well Name	Dona Ana System					Picacho Hills System			Radium Springs System		
	2A*	5	6*	7	8	7*	16A	15*	9	10	11
Location	Ledesma	Taylor	Dona Ana Road	El Camino Real	Elks	Barcelona	Barcelona	Fairway Village	12695 Leasburg State Park Road		
Diameter	5"	4"	8"	8"	6"	6"	6"	8"	4"	4"	8"
Boreline Pipe	No	Yes	No	No	No	No	Yes	No	Yes	Yes	No
Depth	503'	425'	590'	374'	405'	**Unknown	500'	580'	91'	102'	260'
Screen Location	**Unknown	325 - 425	340-590	236-256	310-440	**Unknown	**Unknown	380-480	**Unknown	**Unknown	40-140 & 200-240
Screen Length	**Unknown	100'	250'	20'	130'	**Unknown	**Unknown	100'	**Unknown	**Unknown	100' & 40'
Depth to Pump	300'	230'	220'	200'	391'	**Unknown	350'	**Unknown	81'	77'	210'
Pump Type	Submersible	Submersible	Turbine	Turbine	Turbine	Submersible	Submersible	Submersible	Submersible	Submersible	Submersible
Pump HP	40 HP	60 HP	100 HP	100 HP	100 HP	**Unknown	100 HP	150 HP	25 HP	15 HP	100 HP
Pump Brand	Berkeley 6 Stage	SSJ7C-7 Stage Simflo	**Unknown	SH10C-9 Stage Simflo	SE10C - 8 Stage Simflo	**Unknown	Simmons SSE7C- 6	**Unknown	Franklin	SSSS5C-5Stage Simflo	Hitachi
Pump Date	8/16/2012	3/30/2017	**Unknown	9/27/2017	8/10/2016	**Unknown	9/27/2017	2009	5/30/2017	6/28/2017	4/18/2016
Motor HP	40 HP	60 HP	**Unknown	100HP	100 HP	**Unknown	100 HP	150 HP	25 HP	25 HP	100 HP
Motor Brand	Hitachi	Franklin	**Unknown	Simflo	Hitachi	**Unknown	Franklin	**Unknown	Franklin	Franklin	Hitachi
Motor Date	8/16/2012	3/30/2017	**Unknown	9/27/2017	8/10/2016	**Unknown	9/27/2017	2009	5/30/2017	6/28/2017	4/18/2016
Initial GPM	380 GPM	400 GPM	**Unknown	500 GPM	500 GPM	441 GPM	450 GPM	1300 GPM	250 GPM	250 GPM	600 gpm
Initial Static	56.6'	37'	10'	57'	150'	117'	136'	63'	20'	20'	17'

**We plan to pull 2, 6, 7PH, & 15 this year for inspection.*

**The informaiton has been lost and will not be known until we pull the well*

PROJECT MANAGERS REPORT 10/26/2017

PICACHO HILLS PROJECTS

TANK @ PICACHO HILLS

- General Hydronic's Inc. has completed the project. A final walk through will be scheduled and project will be finalized.

DISTRICT 5 WASTEWATER DISCHARGE PERMIT

- SMA is currently working on assisting the Golf Course with their discharge permit and finalizing the comments for our permit.

WELL #15

- Current Electric was on site the week of October 23rd to set up the new VFD.

FENCE PROJECT WASTEWATER TREATMENT PLANT

- The Wastewater Treatment Plant Fence Project was started on September 28, 2017. Construction has stopped until the permit issue has been resolved, a meeting is scheduled with DAC on Monday, October 30, 2017.

VIA NORTE WATERLINE PROJECT

- The plans have been finalized and delivered to DAC and NMED and we are waiting on permits to be issued by DAC. Once this is completed the project will go out to bid.

FAIRVIEW PROJECTS

FAIRVIEW WATER II

- File Construction has started placing pipe along Picacho Boulevard. They are just past the Elementary school.

DONA ANA PROJECTS

SOUTHEAST COLLECTION

- Comcast has placed the telephone line into the building and project will be completed once the contractor has his electrician go in the building and connect the modem to the control box. Final walk through will be scheduled once work is completed.

RADIUM SPRINGS

RADIUM SPRINGS WATER

- SMA submitted preliminary plans to Dona Ana MDWCA for the second review. Plans have been reviewed and submitted back to SMA.

WELL #11

- Well #11 is working but not online as of today. Both set of samples has been taken and submitted to Hall Environmental located in Albuquerque. Sample have been received and have been submitted to SMA for completion of the well with NMED.

MISCELLANEOUS PROJECTS

DE ANZA PLACE

- 800 feet of water line will be placed on De Anza Place starting November 6, 2017. Dona Ana MDWCA is awaiting the permit from the county before work could start.



Income Statement Group Summary

For Fiscal: FY 2017 - 2018 Period Ending: 09/30/2017

FedRpt2	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
Fund: 100 - General Operating Fund					
Revenue					
400 - Water Sales	3,682,000.00	3,952,500.00	361,209.94	1,180,114.15	2,772,385.85
405 - Pntly/Disconnects	151,500.00	132,500.00	14,154.01	35,311.14	97,188.86
410 - Installations	153,000.00	250,000.00	21,027.47	50,837.64	199,162.36
430 - Miscellaneous	51,700.00	76,700.00	3,952.05	39,013.28	37,686.72
700 - Investment / Interest	33,000.00	22,000.00	19.70	3,235.32	18,764.68
Revenue Total:	4,071,200.00	4,433,700.00	400,363.17	1,308,511.53	3,125,188.47
Expense					
500 - Salaries/Benefits	1,174,300.00	1,165,000.00	70,718.71	205,108.29	959,891.71
510 - Tax / Insurance	299,700.00	309,700.00	25,369.88	117,326.71	192,373.29
515 - Utilities/Fuel/Oil	327,350.00	345,950.00	26,144.62	93,883.74	252,066.26
520 - Supplies/Expense	731,885.00	1,028,935.00	94,514.19	254,080.46	774,854.54
525 - Debt Services	377,500.00	584,000.00	40,650.16	66,362.99	517,637.01
530 - Interest	201,300.00	240,000.00	7,737.40	20,651.46	219,348.54
580 - Professional fees	310,900.00	279,900.00	7,106.20	35,891.08	244,008.92
620 - Other operating expenses	0.00	160,000.00	9,433.78	24,471.89	135,528.11
Expense Total:	3,422,935.00	4,113,485.00	281,674.94	817,776.62	3,295,708.38
Fund: 100 - General Operating Fund Surplus (Deficit):	648,265.00	320,215.00	118,688.23	490,734.91	-170,519.91
Fund: 200 - Grant/Loan Fund					
Revenue					
650 - Grant/Loan Revenue	11,221,017.00	6,800,000.00	330,991.03	482,567.89	6,317,432.11
Revenue Total:	11,221,017.00	6,800,000.00	330,991.03	482,567.89	6,317,432.11
Expense					
660 - Grant/Loan Expense	11,251,525.00	6,800,000.00	157,293.55	314,135.28	6,485,864.72
Expense Total:	11,251,525.00	6,800,000.00	157,293.55	314,135.28	6,485,864.72
Fund: 200 - Grant/Loan Fund Surplus (Deficit):	-30,508.00	0.00	173,697.48	168,432.61	-168,432.61
Fund: 900 - Restricted Reserve Fund					
Expense					
520 - Supplies/Expense	228,000.00	201,000.00	0.00	0.00	201,000.00
660 - Grant/Loan Expense	606,741.00	120,000.00	0.00	3,492.00	116,508.00
Expense Total:	834,741.00	321,000.00	0.00	3,492.00	317,508.00
Fund: 900 - Restricted Reserve Fund Total:	834,741.00	321,000.00	0.00	3,492.00	317,508.00
Total Surplus (Deficit):	-216,984.00	-785.00	292,385.71	655,675.52	-656,460.52

Fund Summary

Fund	Original	Current	MTD Activity	YTD Activity	Budget
	Total Budget	Total Budget			Remaining
100 - General Operating Fund	648,265.00	320,215.00	118,688.23	490,734.91	-170,519.91
200 - Grant/Loan Fund	-30,508.00	0.00	173,697.48	168,432.61	-168,432.61
900 - Restricted Reserve Fund	-834,741.00	-321,000.00	0.00	-3,492.00	-317,508.00
Total Surplus (Deficit):	-216,984.00	-785.00	292,385.71	655,675.52	-653,961.33



	Prior Year Balance	Current Year Balance	Variance Favorable / (Unfavorable)
Fund: 100 - General Operating Fund			
Assets			
ReportOnly1: 10 - Current Assets			
100 - Cash & Cash Equivalents	248,158.01	881,541.69	633,383.68
105 - Due From Other Governments	0.00	0.00	0.00
110 - Accounts Receivable	0.00	-2,248.80	-2,248.80
120 - Fund Transfers	1,532,955.20	1,406,360.97	-126,594.23
130 - Inventories	0.00	0.00	0.00
140 - Prepaid Expenses	0.00	0.00	0.00
145 - Refundable Deposits	0.00	0.00	0.00
146 - Restricted Cash	66,491.28	66,496.32	5.04
147 - Restricted Investments	0.00	0.00	0.00
Total ReportOnly1 10 - Current Assets:	1,847,604.49	2,352,150.18	504,545.69
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:	1,847,604.49	2,352,150.18	504,545.69
Liability			
ReportOnly1: 10 - Current Assets			
105 - Due From Other Governments	-924.00	0.00	-924.00
Total ReportOnly1 10 - Current Assets:	-924.00	0.00	-924.00
ReportOnly1: 20 - Short-term Liabilities			
200 - Accounts Payable	613.93	13,309.38	-12,695.45
210 - Due to Other Governments	0.00	0.00	0.00
214 - Accrued Payroll	0.00	191.33	-191.33
222 - Customer Deposits	0.00	0.00	0.00
Total ReportOnly1 20 - Short-term Liabilities:	613.93	13,500.71	-12,886.78
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:	-310.07	13,500.71	-13,810.78
Equity			
ReportOnly1: 30 - Net Assets			
300 - Net Assets	846,934.26	1,847,914.56	0.00
Total ReportOnly1 30 - Net Assets:	846,934.26	1,847,914.56	0.00
Total Beginning Equity:	846,934.26	1,847,914.56	0.00
Total Revenue	3,997,777.82	1,308,511.53	-2,689,266.29
Total Expense	2,996,797.52	817,776.62	2,179,020.90
Revenues Over/(Under) Expenses	1,000,980.30	490,734.91	-510,245.39
Total Equity and Current Surplus (Deficit):	1,847,914.56	2,338,649.47	490,734.91
Total Liabilities, Equity and Current Surplus (Deficit):	1,847,604.49	2,352,150.18	504,545.69

Balance Sheet

As Of 09/30/2017

	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	-656,128.74	-516,934.17	139,194.57
146 - Restricted Cash	-29,238.04	0.00	29,238.04
Total ReportOnly1 10 - Current Assets:	-685,366.78	-516,934.17	168,432.61
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:	-685,366.78	-516,934.17	168,432.61
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	-207,620.07	-685,366.78	0.00
Total ReportOnly1 30 - Net Assets:	-207,620.07	-685,366.78	0.00
Total Beginning Equity:	-207,620.07	-685,366.78	0.00
Total Revenue	5,942,550.67	482,567.89	-5,459,982.78
Total Expense	6,420,297.38	314,135.28	6,106,162.10
Revenues Over/(Under) Expenses	-477,746.71	168,432.61	646,179.32
Total Equity and Current Surplus (Deficit):	-685,366.78	-516,934.17	168,432.61
Total Liabilities, Equity and Current Surplus (Deficit):	-685,366.78	-516,934.17	168,432.61

Balance Sheet

As Of 09/30/2017

	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	-876,826.46	-889,426.80	-12,600.34
146 - Restricted Cash	-7,298.64	0.00	7,298.64
147 - Restricted Investments	1,649,191.75	1,651,001.45	1,809.70
Total ReportOnly1 10 - Current Assets:	765,066.65	761,574.65	-3,492.00
Total Assets:	765,066.65	761,574.65	-3,492.00
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	1,489,391.99	765,066.65	0.00
Total ReportOnly1 30 - Net Assets:	1,489,391.99	765,066.65	0.00
Total Beginning Equity:	1,489,391.99	765,066.65	0.00
Total Expense	724,325.34	3,492.00	720,833.34
Revenues Over/(Under) Expenses	-724,325.34	-3,492.00	720,833.34
Total Equity and Current Surplus (Deficit):	765,066.65	761,574.65	-3,492.00
Total Liabilities, Equity and Current Surplus (Deficit):	765,066.65	761,574.65	-3,492.00



Bank Transaction Report

Transaction Detail

Issued Date Range: 09/01/2017 - 09/30/2017
Cleared Date Range: -

Issued Date	Cleared Date	Number	Description	Module	Status	Type	Amount
Bank Account: - Operating Account							
Bank Draft							
09/01/2017	09/30/2017	DFT0150FY18	MEGAHURTZ COMPUTER CONSULTING, INC.	Accounts Payable	Cleared	Bank Draft	-54.16
09/01/2017	09/30/2017	DFT0151FY18	Delta Dental of New Mexico	Accounts Payable	Cleared	Bank Draft	-555.52
09/01/2017	09/30/2017	DFT0170FY18	UNUM	Accounts Payable	Cleared	Bank Draft	-883.28
09/05/2017	09/30/2017	DFT0171FY18	Southwest Disposal	Accounts Payable	Cleared	Bank Draft	-202.49
09/05/2017	09/30/2017	DFT0172FY18	Authorize.net	Accounts Payable	Cleared	Bank Draft	-85.25
09/05/2017	09/30/2017	DFT0173FY18	Kosh Solutions	Accounts Payable	Cleared	Bank Draft	-1,635.49
09/06/2017	09/30/2017	DFT0162FY18	Internal Revenue Service	Accounts Payable	Cleared	Bank Draft	-6,027.97
09/06/2017	09/30/2017	DFT0163FY18	Public Employees Retirement Association	Accounts Payable	Cleared	Bank Draft	-4,630.20
09/06/2017	09/30/2017	DFT0181FY18	Comcast	Accounts Payable	Cleared	Bank Draft	-179.49
09/06/2017	09/30/2017	DFT0182FY18	8 X 8 INC	Accounts Payable	Cleared	Bank Draft	-719.32
09/11/2017	09/30/2017	DFT0178FY18	Wells Fargo Bank	Accounts Payable	Cleared	Bank Draft	-1,554.59
09/13/2017	09/30/2017	DFT0179FY18	Wells Fargo Bank	Accounts Payable	Cleared	Bank Draft	-1,508.11
09/13/2017	09/30/2017	DFT0180FY18	Wells Fargo Bank	Accounts Payable	Cleared	Bank Draft	-262.21
09/15/2017	09/30/2017	DFT0177FY18	Verizon Wireless	Accounts Payable	Cleared	Bank Draft	-537.00
09/18/2017	09/30/2017	DFT0176FY18	VISION SERVICE PLAN	Accounts Payable	Cleared	Bank Draft	-168.31
09/19/2017	09/30/2017	DFT0175FY18	Southwest Disposal	Accounts Payable	Cleared	Bank Draft	-116.41
09/19/2017	09/30/2017	DFT0183FY18	Public Employees Retirement Association	Accounts Payable	Cleared	Bank Draft	-4,739.82
09/19/2017	09/30/2017	DFT0184FY18	Internal Revenue Service	Accounts Payable	Cleared	Bank Draft	-5,977.76
09/22/2017	09/30/2017	DFT0197FY18	USDA-RUS	Accounts Payable	Cleared	Bank Draft	-2,376.00
09/22/2017	09/30/2017	DFT0198FY18	USDA-RUS	Accounts Payable	Cleared	Bank Draft	-7,291.00
09/27/2017	09/30/2017	DFT0185FY18	AFLAC	Accounts Payable	Cleared	Bank Draft	-490.60
09/27/2017		DFT0186FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-175.05
09/27/2017		DFT0187FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-168.04
09/27/2017		DFT0188FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-1,028.22
09/27/2017		DFT0189FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-551.16
09/27/2017		DFT0190FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-667.27
09/27/2017		DFT0191FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-2,621.16
09/27/2017		DFT0192FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-17.42
09/27/2017		DFT0193FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-9.51
09/27/2017		DFT0194FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-260.18
09/27/2017		DFT0195FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-1,349.02
09/27/2017		DFT0196FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-188.07
09/27/2017	09/30/2017	DFT0199FY18	FLEETMATICS USA LLC	Accounts Payable	Cleared	Bank Draft	-599.21
09/28/2017		DFT0200FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-705.41
09/28/2017		DFT0201FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-2,918.79

Bank Transaction Report

Issued Date Range: -

Issued Date	Cleared Date	Number	Description	Module	Status	Type	Amount
09/28/2017		DFT0202FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-136.91
09/28/2017		DFT0203FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-3,709.79
09/28/2017		DFT0204FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-163.01
09/29/2017		DFT0205FY18	Pitney Bowes Global Financial Services LLC	Accounts Payable	Outstanding	Bank Draft	-242.71
09/29/2017		DFT0247FY18	Wells Fargo Bank	Accounts Payable	Outstanding	Bank Draft	-8,801.76
09/30/2017		DFT0207FY18	WEX Fleet Universal	Accounts Payable	Outstanding	Bank Draft	-2,448.79
09/30/2017	09/30/2017	DFT0208FY18	Comcast	Accounts Payable	Cleared	Bank Draft	-219.56
09/30/2017		DFT0209FY18	Dona Ana Mutual Domestic Water Consumers Association	Accounts Payable	Outstanding	Bank Draft	-38.31
09/30/2017		DFT0210FY18	Dona Ana Mutual Domestic Water Consumers Association	Accounts Payable	Outstanding	Bank Draft	-83.23
09/30/2017		DFT0211FY18	Dona Ana Mutual Domestic Water Consumers Association	Accounts Payable	Outstanding	Bank Draft	-19.44
09/30/2017		DFT0212FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-2,572.81
09/30/2017		DFT0213FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-15.86
09/30/2017		DFT0214FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-39.70
09/30/2017		DFT0215FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-23.23
09/30/2017		DFT0216FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-3,223.74
09/30/2017		DFT0217FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-231.94
09/30/2017		DFT0218FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-101.62
09/30/2017		DFT0219FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-15.86
09/30/2017		DFT0220FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-292.56
09/30/2017		DFT0221FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-22.67
09/30/2017		DFT0222FY18	El Paso Electric	Accounts Payable	Outstanding	Bank Draft	-169.16
09/30/2017		DFT0223FY18	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-19.63
09/30/2017		DFT0224FY18	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-31.78
09/30/2017		DFT0225FY18	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-11.76
09/30/2017		DFT0226FY18	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-32.34
09/30/2017		DFT0227FY18	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-16.25
09/30/2017		DFT0228FY18	Zia Natural Gas Company	Accounts Payable	Outstanding	Bank Draft	-19.63
09/30/2017		DFT0229FY18	FedEx	Accounts Payable	Outstanding	Bank Draft	-158.47
09/30/2017		DFT0230FY18	Mastercard	Accounts Payable	Outstanding	Bank Draft	-75.43
09/30/2017		DFT0242FY18	New Mexico State Tax & Revenue	Accounts Payable	Outstanding	Bank Draft	-362.89
09/30/2017		DFT0243FY18	New Mexico State Tax & Revenue	Accounts Payable	Outstanding	Bank Draft	-134.09
09/30/2017		DFT0244FY18	New Mexico State Tax & Revenue	Accounts Payable	Outstanding	Bank Draft	-1,265.40
09/30/2017		DFT0245FY18	New Mexico State Tax & Revenue	Accounts Payable	Outstanding	Bank Draft	-77.40
09/30/2017		DFT0246FY18	New Mexico State Tax & Revenue	Accounts Payable	Outstanding	Bank Draft	-20,057.29
09/30/2017		DFT0259FY18	Internal Revenue Service	Accounts Payable	Outstanding	Bank Draft	-13.46
09/30/2017		DFT0260FY18	New Mexico Department of Workforce Solutions	Accounts Payable	Outstanding	Bank Draft	-776.47
Bank Draft Total: (71)							-96,878.44
Check							
09/01/2017		22800	LAURA ROSALES	Utility Billing	Outstanding	Check	-9.76
09/01/2017	09/30/2017	22801	LAURA MONTGOMERY	Utility Billing	Cleared	Check	-73.96
09/01/2017	09/30/2017	22802	TIFFANY COOK	Utility Billing	Cleared	Check	-57.94
09/01/2017	09/30/2017	22803	CHARLOTTE KREMER	Utility Billing	Cleared	Check	-37.98

Bank Transaction Report

Issued Date Range: -

Issued Date	Cleared Date	Number	Description	Module	Status	Type	Amount
09/11/2017	09/30/2017	09112017	New Mexico Mutual Casualty Company	Accounts Payable	Cleared	Check	-5,443.00
09/12/2017	09/30/2017	09122017	New Mexico Mutual Casualty Company	Accounts Payable	Cleared	Check	-117.75
09/12/2017	09/30/2017	091220172	New Mexico Mutual Casualty Company	Accounts Payable	Cleared	Check	-3,148.00
09/15/2017	09/30/2017	22806	Aire Serv Heating & Air Conditioning	Accounts Payable	Cleared	Check	-80.06
09/15/2017	09/30/2017	22807	Baker Utility Supply Corp.	Accounts Payable	Cleared	Check	-1,229.88
09/15/2017	09/30/2017	22808	DPC Industries, Inc.	Accounts Payable	Cleared	Check	-1,365.60
09/15/2017	09/30/2017	22809	DR. KURT ANDERSON	Accounts Payable	Cleared	Check	-95.00
09/15/2017	09/30/2017	22810	HD Supply Waterworks LTD	Accounts Payable	Cleared	Check	-7,900.64
09/15/2017	09/30/2017	22811	Horton, Jennifer	Accounts Payable	Cleared	Check	-295.00
09/15/2017		22812	Melton, James	Accounts Payable	Outstanding	Check	-95.00
09/15/2017	09/30/2017	22813	PARMETER POWER AND CONTROLL, INC.	Accounts Payable	Cleared	Check	-166.21
09/15/2017	09/30/2017	22814	Postal Pros Southwest, Inc.	Accounts Payable	Cleared	Check	-2,463.35
09/15/2017	09/30/2017	22815	Raymond J. Ponteri	Accounts Payable	Cleared	Check	-95.00
09/15/2017	09/30/2017	22816	Red Wing Shoes of Las Cruces	Accounts Payable	Cleared	Check	-1,755.00
09/15/2017	09/30/2017	22817	Rio Grande Pump & Supply Company	Accounts Payable	Cleared	Check	-159.76
09/15/2017	09/30/2017	22818	STULL, JAMIE	Accounts Payable	Cleared	Check	-95.00
09/15/2017	09/30/2017	22819	United Healthcare	Accounts Payable	Cleared	Check	-10,147.43
09/15/2017	09/30/2017	22820	Water Technology Associates	Accounts Payable	Cleared	Check	-110.48
09/29/2017		22821	Baker Utility Supply Corp.	Accounts Payable	Outstanding	Check	-968.30
09/29/2017		22822	City of Las Cruces	Accounts Payable	Outstanding	Check	-2,110.06
09/29/2017		22823	D&J Pump and Well Service, LLC	Accounts Payable	Outstanding	Check	-18,334.60
09/29/2017		22824	DPC Industries, Inc.	Accounts Payable	Outstanding	Check	-699.24
09/29/2017		22825	Ernesto Armendariz	Accounts Payable	Outstanding	Check	-73.57
09/29/2017		22826	HD Supply Waterworks LTD	Accounts Payable	Outstanding	Check	-12,494.20
09/29/2017		22827	Horton, Jennifer	Accounts Payable	Outstanding	Check	-107.67
09/29/2017		22828	Johnny's Septic	Accounts Payable	Outstanding	Check	-9,120.00
09/29/2017		22829	New Mexico Finance Authority	Accounts Payable	Outstanding	Check	-38,720.56
09/29/2017		22830	New Mexico Rural Water Association	Accounts Payable	Outstanding	Check	-1,500.00
09/29/2017		22831	Pat Campbell Insurance	Accounts Payable	Outstanding	Check	-875.00
09/29/2017		22832	Pitney Bowes Global Financial Services LLC	Accounts Payable	Outstanding	Check	-100.00
09/29/2017		22833	Polydyne Inc	Accounts Payable	Outstanding	Check	-433.08
09/29/2017		22834	RICOH	Accounts Payable	Outstanding	Check	-588.06
09/29/2017		22835	Rio Grande Pump & Supply Company	Accounts Payable	Outstanding	Check	-948.71
09/29/2017		22836	Wagner Rental	Accounts Payable	Outstanding	Check	-566.55
09/29/2017		22837	Water Technology Associates	Accounts Payable	Outstanding	Check	-140.48
09/30/2017		22855	Big Star Hardware	Accounts Payable	Outstanding	Check	-5.99
09/30/2017		22856	DPC Industries, Inc.	Accounts Payable	Outstanding	Check	-3,278.38
09/30/2017		22857	EVOQUA WATER TECHNOLOGIES, LLC	Accounts Payable	Outstanding	Check	-3,382.50
09/30/2017		22858	HD Supply Waterworks LTD	Accounts Payable	Outstanding	Check	-9,000.00
09/30/2017		22859	O'Reilly Auto Parts	Accounts Payable	Outstanding	Check	-2.28
09/30/2017		22860	Water Technology Associates	Accounts Payable	Outstanding	Check	-15.00
09/30/2017		22861	WATSON SMITH LLC	Accounts Payable	Outstanding	Check	-3,209.30
09/30/2017		22862	WorkMed Inc, Benito Gallardo JR M.D	Accounts Payable	Outstanding	Check	-113.73

Bank Transaction Report

Issued Date Range: -

Check Total: (47) -141,729.06

Issued Date	Cleared Date	Number	Description	Module	Status	Type	Amount
EFT							
09/01/2017	09/30/2017	418	At Your Service, Inc.	Accounts Payable	Cleared	EFT	-56.86
09/01/2017	09/30/2017	419	At Your Service, Inc.	Accounts Payable	Cleared	EFT	-56.86
09/04/2017	09/30/2017	DFT0149FY18	Payroll EFT	Payroll	Cleared	EFT	-18,213.88
09/15/2017	09/30/2017	420	SAMBA Holdings, Inc.	Accounts Payable	Cleared	EFT	-46.40
09/15/2017	09/30/2017	421	New Mexico One Call	Accounts Payable	Cleared	EFT	-474.30
09/18/2017	09/30/2017	DFT0174FY18	Payroll EFT	Payroll	Cleared	EFT	-18,187.57
EFT Total: (6)							<u>-37,035.87</u>
Bank Account Total: (124)							<u>-275,643.37</u>
Report Total: (124)							<u>-275,643.37</u>



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	3,475,000.00	3,757,500.00	344,748.80	1,134,580.48	-2,622,919.52	69.80 %
410 - Connection/Reconnection Charges	240,000.00	240,000.00	20,947.23	56,209.90	-183,790.10	76.58 %
420 - Membership & Service Fees	172,000.00	277,500.00	22,989.24	57,711.15	-219,788.85	79.20 %
430 - Late Fees & Penalties	82,500.00	60,000.00	7,500.36	17,697.71	-42,302.29	70.50 %
440 - Taxes	20,000.00	20,000.00	1,780.79	5,999.84	-14,000.16	70.00 %
450 - Other Operating Revenue	69,700.00	78,700.00	2,396.75	36,312.45	-42,387.55	53.86 %
Revenue Total:	4,059,200.00	4,433,700.00	400,363.17	1,308,511.53	-3,125,188.47	70.49 %
Expense						
500 - Salaries	833,500.00	848,500.00	51,904.27	150,372.29	698,127.71	82.28 %
501 - Employee Benefits	381,000.00	360,200.00	29,815.36	76,355.03	283,844.97	78.80 %
505 - Electricity	273,000.00	280,000.00	21,378.16	77,663.01	202,336.99	72.26 %
515 - Other Utilities - Gas, Water, Sewer, Telephone	30,850.00	32,450.00	2,317.67	7,287.81	25,162.19	77.54 %
520 - System Parts & Supplies	227,500.00	613,500.00	39,482.75	86,189.46	527,310.54	85.95 %
525 - System Repairs and Maintenance	175,000.00	210,000.00	43,862.58	130,240.33	79,759.67	37.98 %
530 - Vehicles Expenses	32,000.00	42,000.00	2,579.23	15,454.63	26,545.37	63.20 %
535 - Office and Administrative Expenses	153,820.00	164,820.00	5,079.33	21,804.37	143,015.63	86.77 %
540 - Professional Services - Accounting, Engineering, L	304,900.00	275,900.00	6,992.47	35,322.49	240,577.51	87.20 %
545 - Insurance	40,000.00	40,000.00	875.00	43,118.30	-3,118.30	-7.80 %
550 - Due, Fees, Permits and Licenses	51,965.00	63,865.00	4,751.46	13,260.23	50,604.77	79.24 %
555 - Taxes - Gross Receipts Tax, Conservation Fee	245,000.00	258,000.00	20,619.11	66,178.50	191,821.50	74.35 %
560 - Training	31,600.00	34,000.00	3,169.93	4,402.43	29,597.57	87.05 %
590 - Miscellaneous	64,000.00	66,250.00	460.06	3,113.29	63,136.71	95.30 %
599 - Debt Payments	578,800.00	824,000.00	48,387.56	87,014.45	736,985.55	89.44 %
Expense Total:	3,422,935.00	4,113,485.00	281,674.94	817,776.62	3,295,708.38	80.12 %
Fund: 100 - General Operating Fund Surplus (Deficit):	636,265.00	320,215.00	118,688.23	490,734.91	170,519.91	-53.25 %
Fund: 200 - Grant/Loan Fund						
Revenue						
600 - Grant Revenue	11,221,017.00	6,800,000.00	330,991.03	482,567.89	-6,317,432.11	92.90 %
Revenue Total:	11,221,017.00	6,800,000.00	330,991.03	482,567.89	-6,317,432.11	92.90 %
Expense						
650 - Grant Expense	11,251,525.00	6,800,000.00	157,293.55	314,135.28	6,485,864.72	95.38 %
Expense Total:	11,251,525.00	6,800,000.00	157,293.55	314,135.28	6,485,864.72	95.38 %
Fund: 200 - Grant/Loan Fund Surplus (Deficit):	-30,508.00	0.00	173,697.48	168,432.61	168,432.61	0.00 %
Fund: 900 - Restricted Reserve Fund						
Expense						
650 - Grant Expense	606,741.00	120,000.00	0.00	3,492.00	116,508.00	97.09 %
740 - Capital Purchases	228,000.00	201,000.00	0.00	0.00	201,000.00	100.00 %
Expense Total:	834,741.00	321,000.00	0.00	3,492.00	317,508.00	98.91 %
Fund: 900 - Restricted Reserve Fund Total:	834,741.00	321,000.00	0.00	3,492.00	317,508.00	98.91 %
Report Surplus (Deficit):	-228,984.00	-785.00	292,385.71	655,675.52	656,460.52	83,625.54 %

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
100 - General Operating Fund	636,265.00	320,215.00	118,688.23	490,734.91	170,519.91
200 - Grant/Loan Fund	-30,508.00	0.00	173,697.48	168,432.61	168,432.61
900 - Restricted Reserve Fund	-834,741.00	-321,000.00	0.00	-3,492.00	317,508.00
Report Surplus (Deficit):	-228,984.00	-785.00	292,385.71	655,675.52	656,460.52



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

Dona Ana Mutual Domestic Water Consumers Association
Resolution Number 2017 – 11

WHEREAS, the Board of the Dona Ana MDWCA met in regular session at the Dona Ana MDWCA Offices, Dona Ana, New Mexico on Thursday, November 2, 2017 at 9:00 a.m.; and

WHEREAS, over many years the Board has adopted individual policies governing the administration of the Association's customers, billing and services; and

WHEREAS, the Board desires to consolidate and update the policies into a policy manual, attached hereto, to provide for clarification and ease of use by its customers and staff; and

WHEREAS, the Association desires to memorialize by this resolution the adoption of the policy manual;

NOW, THEREFORE, BE IT RESOLVED by the Board of the Dona Ana MDWCA that:

1. The policy manual attached hereto shall become effective as of the date of this resolution and shall replace and supersede all previous individual policies concerning billing, customers and service.
2. All policies governing the internal operation of the Association shall remain in full force and effect.

Passed by the Board of the Dona Ana MDWCA this 2nd day of November, 2017.

Jim Melton, President

Jamie Stull, Vice-President

Kurt Anderson, Secretary/Treasurer

Ray Ponteri, District 5 Member



Doña Ana Mutual Domestic Water Consumers Association

POLICIES AND PROCEDURES

Effective December 1, 2017

DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION

Approval Date: November 2, 2017

Effective Date: December 1, 2017

Resolution No: 2017 – 11

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BILLING AND SERVICE POLICIES

BILL ADJUSTMENTS

Adjustment of a utility bill must be requested by the user by contacting Doña Ana MDWCA Customer Service to initiate the evaluation and processing of a bill adjustment. Adjustments involving documented extenuating circumstances, exceeding the standard twelve (12) month period for retroactive billing or refund adjustments are defined as non-standard adjustments, and may be considered and applied at the discretion of the Executive Director. Adjustments to utility billing will be considered and/or assessed for the following conditions:

METERED SERVICE ERROR

Where a user has been overcharged or undercharged for metered service due to a reading or billing error, the period to be retroactively billed or refunded shall not exceed three (3) months.

Where the user believes that the water meter is not functioning properly, the user may request a meter test be conducted **only** after a data log has been performed on the meter. Should the meter test show the meter to be accurate, a service charge will be applied as provided in Doña Ana MDWCA User Service Fees and Charges schedule.

It is the user's responsibility to maintain their lines and to remediate any leaks that occur on the users side of the outlet of the meter.

WASTEWATER ADJUSTMENTS

Wastewater discharge billing volume for residential service is updated yearly using the Winter Quarter Average (WQA) calculation based on potable water consumption measured in the billing months of December, January, and February, and becomes effective on the April 1st bill.

In the event a potable water leak affects the WQA calculation, the user must notify Customer Service within (3) months of the affected wastewater billing. A request for a billing adjustment beyond the notification deadline will not be processed. The adjustment will be applied to the applicable billing months that were initially billed based on the affected WQA calculation.

In the event a user's meter is found not to register, or to register more than three percent (3%) slow, DAMDWCA will bill the user for the undercharge based on an average billing, if this estimated undercharge amount exceeds \$100.00. The bill will be computed based on an estimate of the user's consumption during the prior month in the same season or on the consumption in the same period of prior years that were not affected by the meter failure.

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UNMETERED/UNBILLED SERVICE ERROR

Where a user has not been billed, undercharged, or overcharged for applicable utility service (water and wastewater), the period to be retroactively billed or refunded shall not exceed three (3) months when metered data is available. Where metered data is not available, estimated consumption based on similar type utility service will be the basis of estimating volumetric amounts.

THEFT OF SERVICE

DAMDWCA shall have the right to disconnect or refuse to connect or reconnect any utility service where there is evidence that theft of utility service (i.e. illegal water or wastewater connection) has occurred, DAMDWCA will retroactively bill, and collect any underpayment or nonpayment of charges. The applicable period to assess charges shall commence from the date it can be reasonably established the theft began to the date in which the underpayment or non-payment was discovered and initially established. All underpayments or non-payments shall become immediately due. Users committing theft of utility service will be subject to legal action.

METER TAMPERING, DAMAGE AND/OR THEFT OF METERING OR MONITORING EQUIPMENT

DAMDWCA shall have the right to disconnect or refuse to connect or reconnect any utility service where there is evidence that DAMDWCA metering or monitoring devices have been tampered with, damaged or stolen. DAMDWCA shall immediately disconnect the water meter and assess the user \$300.00 per meter for tampering, damaging and/or theft of equipment. The tampering, damage and or theft assessment shall be paid in full and any delinquent balance paid before service is reactivated or reconnected.

Meter tampering, damage and/or theft of metering or monitoring equipment is defined as, but not limited to:

- meter lock broken
- curb stop damaged or broken
- register damaged or disconnected
- meter lock removed
- meter broken
- meter stolen
- unauthorized connection inserted or connected to the system
- damage and/or theft of automated meter reading (AMR) device, or cutting or disconnecting AMR cable from meter

LEAK ADJUSTMENT POLICY (Effective February 1, 2018)

The Associations leak adjustment program provides for payment of water bills up to \$1,000 during a covered period that came from a leak. Each user will be automatically billed a monthly fee for each meter covered under this program policy, but each user has the **option to opt out**. The program will cover the ‘cost of water’ associated with a leak, once a year, for up to \$,1000 (normal/average usage remains the obligation of the user). For larger leaks, with water bills over \$1,000, Doña Ana MDWCA will allow payment arrangements for the remaining amount. Those who choose to not participate in the program will

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be eligible payment arrangements. Upon discovering and correcting a leak, a participating user should call the Doña Ana MDWCA ServLine phone number, report the leak, and tell them the amount of the bill. Doña Ana MDWCA will calculate the average/normal bill for the identified period of the leak – up to three months - and discount the water bill up to \$1,000 above the value of the average or normal monthly bill (for that user). Evidence of repair must be provided to Doña Ana MDWCA. This payment coverage is available on a rolling 12 month basis – for example, a leak is reported on June 2nd, an adjustment will be provided, and the user is not eligible for another leak adjustment until June 2nd of the following year.

This program is only available to users with a meter up to 2 inches. All meter over 2 inches are eligible for payment arrangements but not adjustment.

PAYMENT ARRANGEMENTS

Occasionally, a water leak that is undiscovered by the customer/user results in unusually high water use and an unusually high water bill from the Association. The Association understands that this situation makes it difficult for a regular customer and user of the Association to pay the entire bill in one month. Below are the approved payment arrangements that staff can follow when dealing with this type of situation. Association staff must determine that the water leak is not the responsibility of the Association because it did not occur as a result of the failure of Association equipment or the actions of Association employees. Association staff will determine that the user is unable to pay the bill in a single month. If the undiscovered leak occurs over multiple billing cycles, then those bills will be combined to determine the total bill.

Total Bill	Monthly Payment Plan
Up to \$500.....	3 Equal Payments
\$501 - \$1,000	6 Equal Payments
\$1,001 - \$1,500	9 Equal Payments
\$1,501 and up.....	12 Equal Payments

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BILLING AND SERVICE POLICIES
USER SERVICE FEES AND CHARGES

USER SERVICE FEES

Applicability:

- New Service Activation: User request for utility service(s) to establish, process and activate new utility account.
- Service Deactivation: User request provided in writing to deactivate utility service account.
- Account Record Name Change: Account name change on an existing utility service account requested by the user in writing due to and with proof of marriage, death of spouse, or divorce.
- Delinquent Account Service Deactivation: Deactivation (shut off) of utility services due to non-payment of service.
- Delinquent Account Service Activation: Activation of a utility service account that has been shut off due to non-payment of service. Utility service will not be reactivated until all balances in arrears have been paid in full or other financial arrangements have been agreed to by DAMDWCA Executive Director and the user. Only when a delinquent user has made financial arrangements for their account will service be scheduled for activation.
- Field Service Activation: The dispatch of field service technicians to physically activate or deactivate utility services. Field service activation is fulfilled by service orders submitted at least one business day in advance. Service orders submitted will normally be scheduled for completion the following business day, Monday through Friday, during regular business hours, 8:00 a.m. to 5:00 p.m., excluding holidays. However, from time to time, seasonal demand for service activations and other field service work may extend the following business day service order activation timeline by two (2) to three (3) days.

Utility service accounts will be charged applicable fees and taxes for the following services, plus the monthly access charge for all months elapsed during the period of temporary deactivation, if any:

New Service Application

Utility Service Application Processing Fee, per request\$25.00

Account Record Name Change

Record Name Change request will be processed as a courtesy at no charge to the user.

New Account or Account Service Activation

Field Service Processing Fee for each transaction requiring the dispatch of Field Service per transaction\$35.00

Delinquent Account Reactivation

Reactivation Processing Fee for each separate transaction requiring dispatch of Field Service personnel to activate an account after deactivating an account for non-payment, per transaction\$35.00

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Service Orders submitted for processing the above listed services requiring the dispatch of field service personnel are normally scheduled for following day completion during regular business hours Monday through Friday, 8:00 a.m. to 5:00 p.m., excluding holidays, and subject to seasonal demands as identified above.

Same Day Field Activation Service

An additional applicable fee will be charged for same day service activation of service as requested by the user that dispatches or re-dispatches field service technicians under one of the following circumstances:

- Premium Field Service Activation charge requested for same day completion within regular business hours, Monday through Friday, (except holidays), per request.....\$60.00

MISCELLANEOUS FEES

If applicable, the following fees will be charged in addition to the User Service Fees listed above:

Late Payment Penalty Fee 10% per month

Accounts in arrears will be assessed a late payment penalty fee before credits are applied.

Non-Payment Fee.....\$35.00

A nonpayment fee plus applicable taxes will be charged per delinquent account if not brought current by the 21st of the following month. If service is deactivated (shutoff) for non-payment, a Field Service Processing Fee will be charged to activate service.

Bank Returned Items Fee.....\$35.00

Any payment returned for insufficient or uncollectible funds will be subject to a Bank Returned Items Fee. Payment of the insufficient or uncollectible funds and the Bank Returned Items Fee may be made with cash, cashier's check(s), credit/debit card(s), or money order(s). Utility account may be subject to deactivation (shutoff) due to delinquency. Upon the occurrence of two bank returned items within one twelve (12) month period, payment will be required in the form of cash, cashier's check(s) or money order(s).

Stop Payment Fee\$35.00

Checks returned due to a stop payment request will be subject to a Stop Payment Fee. Payment of the check and the Stop Payment Fee must be made with cash, cashier's check(s), or money order(s). Utility accounts may be subject to deactivation (shutoff) due to delinquency.

Data Logging Fee\$50.00

A data logging fee plus all applicable taxes will be charged when a user request a data log of their water meter, which will document the hourly water usage for the past 90 days.

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Meter Testing Fee\$50.00

A meter testing fee per meter plus applicable taxes will be charged for user requested meter tests. There is no charge if the meter is tested and found to be outside metering accuracy standards. DAMDWCA basis its meter accuracy testing on a third-party test results.

Lien Processing Fee\$50.00

Accounts in arrears for \$500.00 or more will have a lien placed upon their property and will be assessed a Lien Processing Fee. This includes balances for Utility Service and Developmental Impact Fees.

Pulled Meter Fee\$150.00

Accounts that have been locked for 50 days or more will have all services removed from the property and a lien will be filed against the property for any outstanding balance.

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BILLING AND SERVICE POLICIES

DEPOSITS, REFUNDS, AND COLLECTIONS

DEPOSITS

Requests for new utility service connections with Doña Ana Mutual Domestic Water Consumers Association (DAMDWCA) will be verified to ensure that the prospective new user does not have an unpaid DAMDWCA utility account balance from another address. Additionally, if a prospective new user was the beneficiary of DAMDWCA service at the new address or at another address, and there is a delinquent balance on the utility account at either address, the new utility service will not be established until any outstanding balances have been paid in full.

A security deposit of \$100.00 will be required for all residential accounts and \$250.00 will be required for all commercial accounts not in the name of the property owner.

DAMDWCA reserves the right to refuse any visibly altered document submitted by a user for the purpose of initiating or activating utility service and/or establishing deposit requirement.

WRITE OFF OF UNCOLLECTIBLE ACCOUNTS

DAMDWCA staff will use all reasonable efforts to collect delinquent accounts including, but not limited to, filing a lien. Delinquent Doña Ana MDWCA accounts that have been uncollectable for a period of more than six (6) years may be deemed uncollectable by the Executive Director, and may remove the uncollectable utility accounts from the list of accounts receivable.

INACTIVE ACCOUNTS WITH CREDIT BALANCES

Inactive accounts with credits balances may be presumed abandoned in compliance with NMSA 1978 Section 7-8A-2(A) (13) and as amended if unclaimed by the apparent owner the account deposit or refund becomes payable, and may be disposed of in compliance with the New Mexico Uniform Unclaimed Property Act (1995) and as amended.

DELINQUENT ACCOUNT COLLECTION AND PROCESSING

When a user fails to pay their delinquent account balance, the user will be mailed a notice 30 days after the meter is locked notifying them of the potential removal of their services should the account not be brought current. The second notice will be mailed 45 days after the meter has been locked.

Even if a Third-Party contractor or bill paying agent fails to pay a delinquent utility account balance on behalf of a user, the user will be charged a nonpayment fee fifty (50) days after the initial bill.

The total amount shown as “Past Due” on the bill must be paid before 3:00 PM on the 20th of the month. Actual shutoff of utility services will be subject to availability of field service technicians to be performed

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the next business day following the 20th.

If ownership or stewardship of a property with an unpaid account transfers either to a realty company (temporary), or to a financial institution (as in repossession or foreclosure), services will not be restored in the name of a final purchaser of the property until all fees, penalties and assessments owed are paid in full. If the service has been locked for non-payment and remains off, or the meter has been removed, services will be restored to allow for preparation and sale of the property at the request of the realtor on behalf of the financial institution. Such service requires a \$250.00 deposit and a signed agreement by the realtor or financial institution that all fees, penalties and assessments owed shall be paid at closing or at the time of property transfer, in order for service to commence or continue in the name of the final purchaser of the property.

DELINQUENT ACCOUNT SETTLEMENT

Payment Plan: In the event a user is unable to pay the delinquent balance in full, a Payment Plan may be initiated to settle a delinquent balance. The user will be required to meet with a Customer Service Representative for an account review. A Payment Plan will be developed under the following conditions and must be approved by the Executive Director:

1. A Payment Plan will be initiated one (1) time in a twenty-four (24) month period.
2. The user must pay 50% of the delinquent amount due plus all applicable fees before executing a Payment Plan. Refer to Doña Ana MDWCA User Service Fees and Charges schedule for applicable fees.
3. The balance of the delinquent amount may be amortized over a three (3) month installment period, and the installments will be due on the agreed upon dates stated in the Payment Plan agreement. Payment Plan terms and conditions may not be modified.
4. The user must pay and be current on their regular monthly billing and the Payment Plan installment.
5. Payment Plans will not be extended to chronically delinquent user accounts (i.e. accounts that have previously had utility services shut off for non-payment two (2) times in a twelve (12) month period).
6. If a user fails to comply with the Payment Plan agreement or pay their regular monthly bill, service(s) will be shut off without further notice on the next business day following the Payment Plan due date.

Delinquent Account Service Shutoff and Activation

If a user does not pay delinquent charges or make payment arrangements prior to the 21st of the month, the user's account will be charged a Nonpayment Fee. Refer to Doña Ana MDWCA User Service Fees

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and Charges schedule for applicable fees.

For delinquent accounts that have been shut off, activation of services will require the user to pay the entire delinquent balance, Nonpayment fee, Late Payment Penalty Fee, and Field Service Processing fees before a service order for next day or same day activation of services is submitted. Refer to Doña Ana MDWCA User Service Fees and Charges schedule for applicable fees.

Final Billing of Delinquent Accounts

If the user has not paid all delinquent balances approximately fifty days (50) days after the deactivation (shutoff) of utility services is performed by Field Services personnel, Doña Ana MDWCA will process a Final Bill for the account and will remove all services from the property.

Former Doña Ana MDWCA users with outstanding balances on delinquent or inactive accounts will not be eligible for service at a new address until all outstanding balances are paid in full. ***All outstanding balances must be paid in full before services will be activated.***

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BILLING AND SERVICE POLICIES

APPLICATION, BILLING, AND PAYMENT FOR SERVICE

APPLICATION FOR UTILITY SERVICE

A user shall be required to complete and sign a Utility Service Application in person, by mail or by acceptable electronic means of transaction (e-mail) with government issued photo identification (or photocopy), and provide a Social Security Number or another unique identifying number acceptable to staff in order for Doña Ana MDWCA to activate utility service. The user is required to prove ownership of the service address property such as a deed or authorization for use of the service address property such as a lease. All individuals listed on the ownership or lease documents shall be accountable for the payment of the utility service(s) and for fees and charges provided for service whether or not they are the user of record.

Terms of Service

- Doña Ana MDWCA will provide utility services only to those properties whose owners are members in accordance with Article IV of the Bylaws of the Doña Ana MDWCA.
- Doña Ana MDWCA may decline, fail, or cease to furnish utility service at the service address being applied for to any person or household member in the same premises who may be in debt to the Association for any reason. A user's failure to establish identity or the inability to verify payment of past due amounts may result in denial of utility service.
- In the event a user is discovered to be receiving utility service and has no Utility Service Application on record, the user shall be notified and required to immediately complete and sign an application for service and will be subject to any unbilled account processing and service activation fees as well as any unbilled utility service charges pursuant to the applicable utility service schedules and Doña Ana MDWCA Billing and Service Policies as if an application had been completed and signed.
- An application for utility service will be verified to ensure that the prospective user does not have an unpaid utility account balance from another address or addressees within the Doña Ana MDWCA service area. An application for utility service will not be processed for activation until all unpaid account balance(s) are paid in full. Furthermore, in the event that an unpaid utility account balance(s) is discovered in the name of the applicant after utility service has been activated, the unpaid balance(s) will be transferred to the active service account and will be due and payable upon notice.
- The user agrees to pay Doña Ana MDWCA for any damage(s) to or loss of any meter caused by the user's negligence or the negligence of their agents, employees, any member of their household, or any person on the premises. The user shall be liable for such payment whether or not the user is the owner of the service address property. The Association may discontinue utility service or deny new service to the service address until such payment is made.

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- Association personnel shall have access to the user's premises for the purpose of reading meters, installing, or removing the Association's equipment and property, activating and deactivating utility service and other purposes incidental to providing utility service by the Association. In the event Doña Ana MDWCA personnel or authorized agents are denied access to Association equipment and/or meters for two successive months due to locked gates, obstructive vehicles, equipment, vegetation, hostile pets, and/or other impediments, Doña Ana MDWCA will notify the user by registered mail that meter(s) access has not been possible for the prior two months. If the user does not acknowledge receipt of the registered mail within a two-week period, and indicate an intention to provide access, then a notice of relocation of meter(s) will be sent and/or delivered to the user's service address. Such acknowledgment by the user shall be in writing or by calling Doña Ana MDWCA Customer Service. In approximately three to five business days Doña Ana MDWCA personnel will relocate the equipment and/or meter(s). The user will be required to connect the user owned service lines to the relocated utility service point at their own expense in order to re-initiate utility service.
- Doña Ana MDWCA's authorized agents shall have full and unobstructed access to Doña Ana MDWCA's meters and service lines for inspection purposes, meter readings, activations and service shut offs, repairs, and any other reasonable purpose. The user authorizes such agents to enter the premises to conduct official Doña Ana MDWCA business. The user also agrees that no construction will be performed over service lines or meters without prior approval from Doña Ana MDWCA.
- Users shall not use utility service unless from metered water, and/or sewer connection without an account activated by an approved Utility Service Application. If it is determined that a user has obtained unmetered and/or unbilled utility service(s), Doña Ana MDWCA will retroactively bill for these services pursuant to Doña Ana MDWCA Bill Adjustments schedule.
- Application for utility service is fulfilled with activation of all applicable services, pursuant to Billing and Service regulation, Sheet No. RUS-1 "Requirement to Provide Utility Service". Partial, selected activation or suspension of utility services is prohibited. If the user or the user's agent is not at the residence at the scheduled appointment time for activation of services, then the following will occur: water service will be closed and unlocked, at the meter.
- Doña Ana MDWCA shall not be liable for damages caused by interruptions or fluctuations in services caused by acts of God or the public enemy, strikes, riots, diminution, or failure of supply of water or other unavoidable contingencies.
- Doña Ana MDWCA is not responsible for any damage or loss which may arise from any water leak on the user's side of the metered service.
- Immediate notice must be given to Doña Ana MDWCA if any leaking water is discovered.
- The user must communicate their request to discontinue service(s) with Doña Ana MDWCA Customer Service, either in person at 5535 Ledesma Drive, in writing (mailing address Doña Ana MDWCA, P.O. Box 866, Doña Ana, NM 88032), or by e-mail (customerservice@dawater.org). Requests must include user's name, service account number and contact information and date to discontinue service.

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The user is responsible for utility service provided until such request to discontinue is received and finalized. Actual deactivation of service will be completed within two to three business days from the receipt of the request to discontinue service(s).

- The user is responsible for notifying the Association of any change in account status. The user must notify the Association when moving in or out, or when a property changes ownership. In the last instance, either the seller or buyer of the property can provide notice. If the Association is not notified of changes, any invoices presented after the date of change (move in or out, or sale of property) are due from the account holder of record. Other arrangements, if any, are between the landlord/tenant or seller/buyer.

BILLING FOR UTILITY SERVICE

Doña Ana MDWCA will bill on a cyclical billing basis based on a billing period of approximately thirty (30) days “or a standard billing month”. The Association will administer all applicable fees, penalty fees, nonpayment fees and procedures in compliance with Doña Ana MDWCA's Billing and Service Policies. Meters will be read as nearly as possible at regular intervals on a monthly basis.

In the event that meters cannot be read due to inaccessibility, register failures, damage, tampering, bypassing, or other causes, the metered values will be estimated based on the following:

Previous consumption by metered service to the premises;

- Average consumption for the corresponding billing periods during which the meter(s) are known to have registered correctly;
- Consumption as registered by a secondary meter if installed, or
- Estimation based on the nature of use, volume or business, seasonal consumption, and/or any other factors that may assist in determining consumption.

Proration of Bills

Utility service rate schedules are calculated on a monthly basis and on an approximate 30-day consumption period. Whenever an activation or termination of service date differs from the standard 30-day meter read interval, monthly charges will be prorated and applied only to the non-volumetric, fixed charges stated in utility service rate schedules.

BILL DUE DATE AND PAYMENT OF BILLS

Bills are due and payable in full on the twenty-fifth (25th) of the month or the next business day should the 25th fall on a weekend or a holiday and will be considered past due beginning at 3:01pm on the due date stated on the bill. **All** payments must be received by the due date and paid by 3:00 PM to be recorded as paid on time.

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PAST DUE AND DELINQUENT ACCOUNT PROCESS

Payments not received by 3:00 PM on the due date stated on the bill will be deemed past due and will be noted on the next bill as “Past Due” and assessed a Late Payment Penalty Fee of 10% of the outstanding balance.

The process outlining each pertinent phase of user billing, payment due date, application of late payment penalty fees, past due notification, delinquent classification, shutoff of service notification and eventual shutoff of service is presented in the sample timeline below:

- A user’s monthly bill (the initial bill) is mailed or electronically sent for payment on the 1st of each month, and
- Roughly **25 days** later, the user’s bill is due by the payment due date printed on the bill.
- If payment is not received by 3:00pm on the due date, then
- Any past due amount over will be assessed the Late Payment Penalty Fee equal to 10% of the outstanding balance.
- If the initial bill remains unpaid;
- Roughly **30 days** after the initial bill, the user will receive the next (the second) bill for utility service with the bill stating it is “**Past Due**”. The unpaid balance for utility service from the initial bill, and the Late Payment Penalty Fee, will be due by 3:00pm on the 20th of the month, unless it falls on a weekend or holiday in which case it will be the next business day. If the account balance remains unpaid, then;
- **At 3:01pm 50 days** after the initial bill the account will be assessed a non-payment fee of \$35.00 plus applicable tax, then
- The following business day (**51 days after the initial bill**) the account will be shut off by Field Services personnel within that business day.
- 30 days after the account was shutoff (**81 days after the initial bill**) the account will receive the first notification regarding the outstanding amount,
- 45 days after the account was shutoff (**96 days after the initial bill**) the account will receive the second notification regarding the outstanding amount,
- 106 days after the initial bill the account will be closed and all services will be removed from the property, and the account will be issued a Pulled Meter Fee and a lien will be filed against the property.

RETURN CHECK, CREDIT CARD, OR DRAFT

Doña Ana MDWCA will assess a return item charge for a check, draft, or credit card payment that is returned from the bank for any reason pursuant to Doña Ana MDWCA Billing and Service Policies as stated in the User Service Fees and Charges schedule.

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LATE PAYMENT PENALTY FEE

Doña Ana MDWCA will assess a late payment penalty fee for nonpayment day after 3:00pm on the stated due date on the user's bill. The late payment penalty fee percentage factor will be applied to past due balances pursuant to Doña Ana MDWCA's Billing and Service Policies as stated in the User Service Fees and Charges schedule.

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BILLING AND SERVICE POLICIES

BACKFLOW PREVENTION AND CONTROL

Doña Ana Mutual Domestic Water Consumers Association as owner and operator of a regulated water supply system has responsibility under the Federal Safe Drinking Water Act and amendments to provide drinking water which is free from contaminants in excess of maximum contaminant levels as specified by state and federal regulations. The drinking water regulations adopted by the New Mexico Environment Department and amendments prohibit physical connections between a water supply system and any unregulated water source that is not protected from backflow.

This policy prohibits and controls connections to the water supply system owned and operated by Doña Ana Mutual through which a backward flow of gases, liquids, or solids could occur and contaminate the public water supply system.

This policy establishes a new program for backflow prevention and control which will systematically and effectively protect the public water supply system. Practical information, measures, and specifications shall be contained in the Backflow Prevention and Control Manual (Manual), which is available from Doña Ana Mutual's Customer Service Department.

This policy applies to all commercial and industrial water supply connections. Compliance with this policy is a precondition to receiving water service from Doña Ana Mutual.

RESPONSIBILITY

It is the general duty of both water provider and water user to prevent and control contamination of the water supply system. Prevention and control of backflow to the public water supply system and within the user's premises requires cooperation between Doña Ana Mutual and the user. Doña Ana Mutual's responsibility extends from the source of water through its treatment and delivery to its meter at the user's service connection. The user's responsibility extends from the service connection to within and from his/her premises.

1. The Doña Ana Mutual is responsible for protecting the public water supply system from contamination caused by backflow. To this end, the Executive Director and designated agents shall develop, implement, and direct a systematic and effective program. All practical information, measures, and specifications of the program shall be published in the Manual, which will be updated periodically under his/her authority.

2. Doña Ana Mutual is responsible for implementing the Backflow Prevention and Control Program. Responsibilities may include, but are not limited to survey of system users, user notification, approval of installation design plans where appropriate, preliminary and detailed premise inspections, premises re-inspection, preparation of inspection reports, noncompliance evaluation, water shut-off notifications, maintain backflow prevention assembly records, and

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maintain lists of approved backflow prevention assemblies and certified testers.

3. The **User** shall be responsible for preventing contaminants from entering the public water supply system from user's water system. Users shall provide backflow prevention assembly(s) or air-gap(s) as required by plumbing codes, Ordinance, Manual, and comply with laws, rules, and Policies pertaining to backflow prevention. This responsibility starts at the point of delivery from the public water supply system (the user's service connection) and includes any and all water piping within or extending from the premises. The user, at his or her own expense and in accordance with this Ordinance and Manual, shall install, operate, have tested, and maintain approved backflow prevention device(s). Accurate records of inspections, tests, repairs, and replacements of backflow prevention devices(s) or air-gap(s) shall be maintained by the user for a period of at least three years.

REQUIREMENTS

1. Backflow prevention must be provided where a potential of contamination of the public water supply system could occur as determined by the Executive Director or his/her staff, the Manual, or plumbing code. Protection may be achieved through isolation or containment by using an approved backflow prevention device of appropriate type and size, or by an appropriate air gap as approved by the Executive Director or his/her staff.

2. Determination of the requirements for a backflow prevention device(s) shall be as specified by the Executive Director or his/her staff or the Manual. Notifications requiring users to install and maintain a backflow prevention device(s) shall be issued by the Executive Director or his/her staff based on the findings of their inspection(s) and requirements of the Manual.

3. The following premises present sufficient or potential threat for backflow contamination to require mandatory backflow prevention and control by containment as specified by the Executive Director or his/her staff: hospitals and clinics, nursing and convalescent homes, dental offices, laboratories, mortuaries and cemeteries, sewage and storm water pumping and treatment plants, radiator shops, car and truck washes, convenient stores, gas stations, commercial laundries, photographic film processing facilities, metal plating industries, veterinary and animal grooming clinics, taxidermists, food and beverage processing plants, premises where inspections are restricted, ready-mix concrete, sand and gravel plants, schools and colleges with laboratories, water services dedicated for landscape irrigation systems and fire protection systems, greenhouses, premises with auxiliary water supplies, water tank trucks or water tanks filled from fire hydrants and buildings with a height greater than thirty feet. The type and size of backflow prevention device required for containment shall be determined by the Executive Director or his/her staff based on inspections, the situation, and conditions at the premises.

FIRE PROTECTION SYSTEMS

New construction involving fire sprinkler systems require the installation of an approved Reduced Pressure Principle Detector Assembly (RPPDA) device. Existing fire sprinkler system will be approved if a UL (Underwriters Laboratories) listed alarm check is properly installed and

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maintained.

INSPECTION/ TERMINATION OF SERVICE

1. The Executive Director or his/her designated agent is authorized to conduct inspections or surveys of premises, or portions thereof, to determine compliance with the provisions of this Ordinance and the Program.

2. Entry to premises to perform an inspection may occur at any reasonable time with reasonable notice. The Executive Director or his/her designated agent shall present proper identification when requesting entry.

3. In order to protect the public water supply system from probable contamination, the Executive Director or his/her designated agent is authorized to terminate water service to the premises.

APPROVED BACKFLOW PREVENTION DEVICES

1. Backflow prevention devices required by this policy and the Program shall be a model and size approved by the Executive Director. Approved backflow prevention devices must conform to manufacturing specifications and laboratory and field performance standards established by the **University of Southern California Foundation for Cross Connection Control and Hydraulic Research: List of Approved Backflow Prevention Assemblies.**

2. The Executive Director and his/her staff shall keep a current list of approved backflow prevention devices. The list shall be available at the Customer Service Department.

3. Existing backflow prevention assembly(s) shall be accepted for continued use unless a higher degree of protection is required, as may be the case when there is a change in occupancy or water use. Although no longer on the current list of approved devices, continued use of existing backflow prevention devices will be allowed if the device can be properly tested and maintained (e.g. repair parts available from the manufacturer).

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BILLING AND SERVICE POLICIES

INTERCEPTOR AND GREASE TRAP

The purpose of the Interceptor Policy is to protect the Publicly Owned Treatment Works (POTW) from blockages or other interferences which obstruct or reduce the designed flow of waste water in the collection system (sanitary sewer) from the user to the waste water treatment facility. Resultant sewer system overflows pose a threat to public health and safety. Further, odors from improperly maintained interceptors or grease traps may be objectionable and pose a public nuisance.

Applicability and Prohibitions

- A. This ordinance shall apply to all non-domestic users of the POTW.
- B. Grease traps or interceptors shall not be required for residential users.
- C. Facilities generating fats, oils, or greases shall install, use, and properly maintain appropriate Interceptors when needed to prevent discharge in excessive amounts. These facilities include but are not limited to restaurants, food manufacturers, food processors, hospitals, hotels and motels, prisons, nursing homes, and any other facility preparing, serving, or otherwise making any foodstuff available for consumption. Interceptor requirements also apply to facilities whose liquid waste discharge contains, or may contain, motor oil, sand, metal fragments, and other pollutants that originate from activities such as manufacturing, vehicle or equipment repair, maintenance, or washing.
- D. No user may intentionally or unintentionally allow the direct or indirect discharge of any sand, petroleum oil, non-biodegradable cutting oil, or any fats, oils, or greases of animal, plant, or petroleum origin into the POTW system in such amounts as to cause Interference with the sanitary sewer collection and treatment system, or to cause pollutants to pass through the treatment works into the environment.

Installation and Maintenance Requirements

- A. Installations
 - 1. Existing Facilities. Existing grease traps and interceptors must be operated and maintained in accordance to a cleaning interval established by Doña Ana Mutual. Inspections of interceptors will be conducted periodically to determine that the User is compliant with this ordinance, and that the internal plumbing of the interceptor is present and in good condition.
 - 2. New Facilities. Generators which are newly proposed or constructed, or existing facilities which will be expanded or renovated to include a food service facility, where such facility did not previously exist, shall be required to design, install, operate and maintain an interceptor in accordance with locally adopted plumbing codes, UPC, and other applicable policies. Interceptors must be installed and inspected prior to issuance of the water meter. It is only after completion of construction and issuance of the certificate of occupancy that PPO becomes responsible for implementation of this ordinance.

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3. The Doña Ana Mutual staff does not specify use or sizing, approve plans, or inspect installation of grease traps for new construction or renovations. Existing grease traps may continue to be utilized only if it is determined by Doña Ana Mutual that the device is in compliance with requirements of this policy.

4. All grease trap or interceptor waste shall be properly disposed at a facility in accordance with federal, state, and local regulations.

B. Cleaning and Maintenance

1. Grease traps and interceptors shall be maintained in an efficient operating condition at all times.

2. Each interceptor pumped shall be fully evacuated unless the trap volume is greater than the tank capacity on the vacuum truck in which case the transporter shall arrange for additional transportation capacity so that the trap is fully evacuated within a 24-hour period.

3. Grease traps and interceptors shall be cleaned as often as necessary to ensure that sediment and floating materials do not accumulate to impair the efficiency of the grease trap or interceptor, and to ensure no visible grease is observed in the discharge to the sanitary sewer.

4. Grease traps and interceptors shall be completely evacuated a minimum of every ninety (90) days, or more frequently as determined by Doña Ana Mutual, and when:

(a) Twenty-five (25) percent or more of the wetted height of the grease trap or interceptor, as measured from the bottom of the device to the invert of the outlet pipe, contains floating materials, sediment, oils or greases.

(b) Sulfide levels in the trap/interceptor are excessively sufficient to cause odor complaints and visible deterioration to the trap/interceptor internal metal or concrete material is evident.

(c) The liquid contents are at pH 5.5 standard units or less.

(d) Video surveillance in the collection system of the POTW determines that excessive grease has accumulated at the user's service line connection or in access downstream from the user's point of discharge.

5. Any person who owns or operates a grease trap or interceptor may submit to Doña Ana Mutual a request in writing for an exception to the ninety (90) day pumping frequency of their grease trap or interceptor. Doña Ana Mutual may grant an extension for required cleaning frequency on a case-by-case basis when:

(a) The generator has demonstrated the specific trap or interceptor will produce an effluent, based on defensible consistent compliance of Item (4) parameters listed above;

(b) In any event, a grease trap or interceptor shall be fully evacuated, cleaned, and inspected at least once every 120 days.

6. In the event of a spill, splash, spray or leak or other unauthorized or accidental discharge of waste during the collection, transport or disposal, the User or Transporter shall take immediate action to contain and clean the discharged or spilled grease in order to protect human health, and the environment.

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C. Self-Cleaning

Cleaning of grease traps or interceptors by the user is prohibited.

D. Manifest Requirements

1. Each pump-out of a grease trap or interceptor must be accompanied by a manifest to verify the maintenance and disposal for record keeping purposes.

2. Persons who generate, collect, and transport grease waste shall maintain a record of each individual collection and disposal. Such records shall be in the form of a manifest. The generator must maintain a file of manifests on site to be available on request during an inspection by Doña Ana Mutual. The manifest shall include:

- (a) Name, address, telephone, and license/registration number of transporter;
- (b) Name, signature, address, and phone number of the person who generated the waste and the date collected;
- (c) Type and amount(s) of waste collected or transported;
- (d) Name and signature(s) of responsible person(s) in the pathway generating to finally disposing the waste (chain of custody);
- (e) Date and place where the waste was disposed;
- (f) Identification (permit or site registration number, location, and operator) of the facility where the waste was disposed;
- (g) Name and signature of facility on-site representative acknowledging receipt of the waste and the amount of waste received;
- (h) The volume of the grease waste received; and
- (i) A consecutive numerical tracking number to assist transporters, waste generators, and regulating authorities in tracking the volume of grease transported.

3. Manifests shall be divided into five parts and records shall be maintained as follows:

- (a) One part of the manifest shall have the generator and transporter information completed and be given to the generator at the time of waste pickup (billing invoice).
- (b) The remaining four parts of the manifest shall have all required information completely filled out and signed by the appropriate party before distribution of the manifest.
- (c) One part of the manifest shall go to the receiving facility.
- (d) One part shall go to the transporter, who shall retain a copy of all manifests showing the collection and disposition of waste.
- (e) One part of the manifest shall be returned by the transporter to the person who generated the wastes within 15 days after the waste is received at the disposal or processing facility.
- (f) One part of the manifest shall go to Doña Ana Mutual.

4. Copies of manifests returned to the waste generator shall be retained for three (3) years and be readily available for inspection by Doña Ana Mutual.

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E. Alternative Treatment

1. Use of grease trap and interceptor treatment products, including bacteria, designed to digest grease is strictly prohibited without prior written consent of Doña Ana Mutual. It is acknowledged that soap formulations used for general kitchen hygiene operations contain surfactants and degreasing agents. Normal use of dishwashing and cleaning products, and their incidental introduction to the grease trap or interceptor are exempted from these restrictions.

- (a) The introduction of any surfactant, solvent, or emulsifier into a grease trap or interceptor is prohibited. Surfactants, solvents, and emulsifiers are materials, which dissolve or suspend grease and enable it to pass from the trap into the collection system. Examples of such materials include, but are not limited to, enzymes, soap, diesel, kerosene, terpene, and organic solvents.
- (b) Bioremediation products may be used with written prior approval from Doña Ana Mutual only after the person has demonstrated to the satisfaction of Doña Ana Mutual that the product has met the following conditions:
 - (i) Laboratory testing which is appropriate for the specific type of grease trap or interceptor has shown, in that specific application, the product's efficacy to produce an effluent in compliance with this ordinance and not interfere with the proper function of the grease trap or interceptor.
 - (ii) The methods and results of testing shall be subject to technical review and approval by Doña Ana Mutual.
 - (iii) All costs shall be borne by the User whether or not the product is accepted for use.
 - (iv) Use of accepted grease trap or interceptor treatment products shall not relieve the user of minimum cleaning requirements set forth in this ordinance.

Inspection and sampling

A. Doña Ana Mutual has the authority of inspection, and shall inspect the facilities of any User to ascertain compliance with the purpose and requirements of this Policy. Persons or occupants of premises where liquid waste is created or discharged shall allow Doña Ana Mutual, or its representative, ready access at all times to all parts of the premises for the purposes of inspection, sampling, records examination or in the performance of any of its duties. Doña Ana Mutual shall have the right to install, utilize, and maintain on the user's property such devices as are necessary to conduct sampling, inspection, compliance monitoring, and metering operations.

B. Where a user has security measures in force which would require proper identification and clearance before entry into such user's premises, the user shall make necessary arrangements with their security guards so that, upon presentation of suitable identification, personnel from Doña Ana Mutual, or its representative, will be permitted to enter without delay for the purposes of performing their specific responsibilities.

C. Sampling Ports (manholes). Doña Ana Mutual may require any user, existing or new construction, to install a suitable sampling port in the service line to the application or building to facilitate observation, sampling, and measurement of wastes and flows. The sampling ports must be readily accessible to Doña Ana Mutual at all times.

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Schedule of Penalties

A. If Doña Ana Mutual determines that a generator is responsible for a blockage of a collection system line, the user shall be subject to a penalty of \$100 for the first violation, \$200 for a second violation, and \$500 for the third violation within a two-year period. Persistent violations shall result in an increase in penalty up to \$500/day and may also result in termination of services.

B. Users violating provisions of this Policy shall be subject to a written warning for the first violation, a \$100 penalty for the second violation, a \$200 penalty for the third violation, and a \$500 penalty for the fourth violation within a two-year period. Persistent violations will result in up to \$500/day increase in penalty, and may result in termination of service.

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BILLING AND SERVICE POLICIES

REQUIREMENT TO PROVIDE UTILITY SERVICE

SUSPENSION OF UTILITIES FOR DEPLOYED MILITARY PERSONNEL

Pursuant to NMSA 1978 § 20-1-8.1 (2017) , a member of the U. S. armed forces, reserves, or the New Mexico National Guard may suspend some or all utility services without penalty and reconnect/reactivate utility services without having to pay reactivation fees. The qualifying military user requesting suspension of all or some of their utility services provided by Doña Ana Mutual must submit his/her request to Customer Service and certify that:

1. He/she has orders and provides copy of the orders to Customer Service to deploy or to be temporarily assigned outside the qualifying user's community for more than thirty days and,
2. The service account is in the qualifying user's name and,
3. The qualifying user owns the home or has a lease that does not preclude the suspension of municipal utility services, and,
4. Family members or other persons will not be residing in the home while the qualifying user is deployed or temporarily assigned.

Doña Ana Mutual will suspend/deactivate some or all utility services at the service address as requested by the qualifying user at no penalty and, will not charge a fee to reactivate or establish service(s) upon notifying Customer Service of their return from deployment or temporary assignment. It is the qualifying user's responsibility to notify Customer Service of their return from deployment to activate suspended utility service(s).

In the event the qualifying user suspends/deactivates all or some of the utility services provided by Doña Ana Mutual and during the period the qualifying user is deployed or on temporary assignment outside their community, or does not notify Doña Ana Mutual Customer Service of his/her return from deployment, and monthly consumption records indicate that the residence is occupied, Doña Ana Mutual will resume billing all suspended service(s) without notice.

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BILLING AND SERVICE POLICIES

RENTAL PROPERTY ADMINISTRATION

LANDLORD UTILITY TRANSFER AGREEMENT

A Landlord Utility Transfer Agreement (LUT Agreement) is available to rental property management entities or property owners that provides continuous Doña Ana Mutual utility service to rental properties and consolidates account administration as specified by the landlord in the LUT Agreement. The LUT Agreement authorizes Doña Ana MDWCA to transfer water and wastewater without interruption in service to the landlord or property manager, as rental properties transition between tenant occupancy. In the event that a tenant is delinquent, Doña Ana MDWCA will deactivate services pursuant to the process stated in Doña Ana MDWCA's Billing and Service Policies. Property management entities that do not want to execute an LUT Agreement to administer utility services for rental properties and want the utility account in the name of the property owner, will be required to provide the same information for a utility service application as stated in Application, Billing, and Payment for Service Section of Doña Ana MDWCA's Billing and Service Policies and, a tax identification number if applicable, before service to tenants will be processed and activated. Failure of the property management entity to provide the property owner's information as stated above, may result in Doña Ana MDWCA placing a hold on the tenant's activation of utility services.

UTILITY LIENS

The Association will place utility liens on rental properties that accumulate chronic delinquent balances in aggregate and in excess of \$500.00 from one or more tenants with utility accounts at the rental property. All associated fees for preparing and recording the lien will be assessed, as well as the tenant or tenants' delinquent balances. Upon the filing of the lien, the property owner will be notified of such action, as well as informing the property owner of the chronic delinquent activity by a tenant or tenants at the rental property, and the notification that future utility service will be denied to the rental property until a mutually acceptable resolution between the property owner and Doña Ana MDWCA is reached, at which time the lien will be removed.

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WATER
RESIDENTIAL SERVICE

AVAILABILITY

Available in the Doña Ana Mutual Domestic Water Consumers Association water service area for the exclusive use of a single metered family residence for domestic purposes. Service to buildings attached to the residence, including garages and other minor buildings for the use of the residents, may also be through the residential meter. Service to a residence, which is used in part for commercial purposes but the predominant usage is for residential purposes, shall be served under this rate schedule.

Landscape water meter available per Landscape Meter schedule terms and conditions.

RATE

The bills are the sum of:

Access Charge

5/8" x 3/4"	\$17.70
1"	\$24.97
1 1/2"	\$37.08
2"	\$90.40

Volume Charge

Up to 4,999.....	\$2.09
5,000 – 9,999.....	\$2.78
10,000 – 19,999.....	\$3.72
20,000 and over.....	\$4.96

Applicable Taxes & Water Conservation fees are not included in Cost of Service Rates.

BILLING UNITS

The unit volume for the purpose of measurement per gallon for the amount consumed in a billing cycle.

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WATER
COMMERCIAL SERVICE

AVAILABILITY

Available in the Doña Ana Mutual Domestic Water Consumers Association water service area for any establishment engaged in the operation of a business, an institution, whether or not for profit, or government entities.

Such enterprises shall include, but not be limited to, clubs, hotels, motels, schools, hospitals, multi-unit complexes, churches, and municipal, county, state, and federal buildings. All commercial service requires an approved backflow prevention device. See Backflow Prevention and Control Policy

Landscape water meter available per Landscape Meter schedule terms and conditions.

RATE

The bills are the sum of:

Access Charge

5/8" x 3/4"	\$17.70
1"	\$24.97
1 1/2"	\$37.08
2"	\$90.40
3"	\$223.68
4"	\$272.85
6"	\$788.30

Volume Charge

Up to 4,999.....	\$2.09
5,000 – 9,999.....	\$2.78
10,000 – 19,999.....	\$3.72
20,000 and over.....	\$4.96

Applicable Taxes & Water Conservation fees are not included in Cost of Service Rates.

BILLING UNITS

The unit volume for the purpose of measurement per gallon for the amount consumed in a billing cycle.

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WATER
INDUSTRIAL SERVICE

AVAILABILITY

Available in the Doña Ana Mutual Domestic Water Consumers Association water service area for any establishment engaged in the operation of a business; an institution, whether or not for profit; or a governmental entity.

Such enterprises will include, but not limited to, industrial installations, schools, hotels, motels, municipal, county, or federal buildings, etc.

Landscape water meter available per Landscape Meter schedule terms and conditions.

RATE

The bills are the sum of:

Access Charge

5/8" x 3/4".....	\$17.70
1".....	\$24.97
1 1/2".....	\$37.08
2".....	\$90.40
3".....	\$223.68
4".....	\$272.85
6".....	\$788.30

Volume Charge

Up to 4,999.....	\$2.09
5,000 – 9,999.....	\$2.78
10,000 – 19,999.....	\$3.72
20,000 and over.....	\$4.96

Applicable Taxes & Water Conservation fees are not included in Cost of Service Rates.

BILLING UNITS

The unit volume for the purpose of measurement per gallon for the amount consumed in a billing cycle.

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WATER
BULK WATER SERVICE

AVAILABILITY

Available in the Doña Ana Mutual Domestic Water Consumers Association water service area by permit for use in connection with the construction, alteration or repair of buildings or other similar activities requiring temporary service through hydrant meters.

To protect the water system from contamination, a backflow device (reduced pressure principle assembly) shall be required to be installed on the hydrant meter. Doña Ana Mutual Domestic Water Consumers Association shall provide the backflow device. A deposit is required to be paid prior to the installation of the hydrant meter and backflow device.

User is responsible for any stolen lost, or damaged meter and/or backflow device and a new deposit will be required for each stolen, lost damaged, or relocated bulk water meter and/or backflow device.

RATE

The bills are the sum of:

Access Charge

Per month\$90.40

Volume Charge

Up to 4,999.....\$2.09

5,000 – 9,999.....\$2.78

10,000 – 19,999.....\$3.72

20,000 and over.....\$4.96

Bulk Hydrant Meter Service Activation or Relocation Charge

Relocation of hydrant meter and backflow\$150.00

Hydrant Meter & Backflow Deposit

Hydrant Meter.....\$1,250

Backflow Device.....\$250

Applicable Taxes & Water Conservation fees are not included in Cost of Service Rates.

BILLING UNITS

The unit volume for the purpose of measurement per gallon for the amount consumed in a billing cycle.

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WATER
LANDSCAPING

AVAILABILITY

Available in the Doña Ana Mutual Domestic Water Consumers Association service area to all classes of service for landscape irrigation purposes except for golf courses and municipal parks. The applicable Access and Volume Charges will be billed pursuant to the service schedule determined by the rate class review process conducted annually to determine the appropriate rate classification.

Users requesting landscape metering shall contact Customer Service Department to request all expenses associated with the installation.

RATE

The bills are the sum of:

Access Charge

5/8" x 3/4"	\$17.70
1"	\$24.97
1 1/2"	\$37.08
2"	\$90.40
3"	\$223.68
4"	\$272.85
6"	\$788.30

Volume Charge

Up to 4,999.....	\$2.09
5,000 – 9,999.....	\$2.78
10,000 – 19,999.....	\$3.72
20,000 and over.....	\$4.96

Applicable Taxes & Water Conservation fees are not included in Cost of Service Rates.

BILLING UNITS

The unit volume for the purpose of measurement per gallon for the amount consumed in a billing cycle.

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WASTEWATER
RESIDENTIAL SERVICE

AVAILABILITY

Available in the Doña Ana Mutual Domestic Water Consumers Association wastewater service area for the exclusive use of a single water metered family residence for domestic purposes. Service to buildings attached to the residence, including garages and other minor buildings for the use of the residents, may also be through the residential meter. Service to a residence, which is used in part for commercial purposes but the predominant usage is for residential purposes, shall be served under this rate schedule.

RATE

The bills are the sum of:

Access Charge

5/8" x 3/4"	\$15.93
1"	\$16.53
1 1/2"	\$17.54
2"	\$21.97

Volume Charge

All	\$3.42
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Applicable Taxes fees are not included in Cost of Service Rates.

BILLING UNITS

The unit volume for the purpose of measurement per separate meter dwelling unit shall be per gallon. Volume shall be based on 90% of the average of water consumed in December, January, and February billing cycles. If the user history at their active service site is not available, then the residential class water average will be used in the calculation. This volume will be calculated annually and billed monthly as of the billing month of April of each year.

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WASTEWATER
COMMERCIAL SERVICE

AVAILABILITY

Available in the Doña Ana Mutual Domestic Water Consumers Association wastewater service area for any establishment engaged in the operation of a business, such enterprises will include, but not be limited to, parks, clubs, hotels, motels, schools, hospitals, churches, parks, municipal, county, state, and federal buildings.

RATE

The bills are the sum of:

Access Charge

5/8" x 3/4"	\$15.93
1"	\$16.53
1 1/2"	\$17.54
2"	\$21.97
3"	\$33.03
4"	\$45.70
6"	\$79.90

Volume Charge

All	\$3.42
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Applicable Taxes & Water Conservation fees are not included in Cost of Service Rates.

BILLING UNITS

The unit volume for the purpose of measurement with Doña Ana Mutual water per separate meter dwelling unit shall be per gallon. Volume shall be based on 90% of the monthly water consumed each month.

The unit volume for the purpose of measurement without Doña Ana Mutual water per separate dwelling unit shall be per gallon. A meter will be requested to be installed to measure the actual volume that will be billed.

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WATER	
NEW CONNECTIONS	

Water Connection Charges			
Meter Size	Service Line Up To 25'	Water Right	Total Charge
3/4"	\$1,255.00	\$1,750.00	\$3,005.00
1"	\$1,795.00	\$2,187.50	\$3,982.50
1.5"	\$2,660.00	\$2,625.00	\$5,285.00
2"	\$4,125.00	\$3,500.00	\$7,625.00
3"	\$8,580.00	\$5,250.00	\$13,830.00
4"	\$8,890.00	\$7,000.00	\$15,890.00
6"	\$11,340.00	\$10,500.00	\$21,840.00
Pavement Cut (up to 3 sq ft)			\$400

Meter Relocation Charge: Same charge(s) as a connection.

\$150 Unable to Connect Service Charge

This charge shall be made when Doña Ana Mutual Domestic Water Consumers Association (Doña Ana Mutual) is notified by the user or user's representative that the service site is ready for service and connection and utility personnel have been scheduled to physically connect service, but are unable to connect the service due to, among other things, work site obstructions or incomplete service installation necessary for the utility to perform the necessary and appropriate connection.

TERMS AND CONDITIONS FOR NEW WATER SERVICE CONNECTION

When a new meter is requested, this initiates the service connection process for water services. A Service Order for a new water connection shall not be scheduled until all pertinent impact fees as defined in the Development Impact Fee schedule and connection fees are paid. Fees are paid when a utility account is established with Doña Ana Mutual Customer Service. The new connection for the residential construction site will be coordinated by Doña Ana Mutual personnel and establish the final location of the water meter.

New residential construction sites that are found connected to the water system without establishing a utility account and bypassing payment of fees and charges for new connection, shall be deemed as theft of service and illegally connected to the water system.

Doña Ana Mutual shall have the right to disconnect or refuse to connect or reconnect any utility service where there is evidence that theft of utility service (i.e. water connection) has occurred. Doña Ana Mutual shall immediately disconnect water services and assess the user or user's representative an assessment of \$250.00 per instance of illegal connection. The illegal connection assessment shall be paid in full plus any and all unpaid fees and charges for new connection services and the establishment of a utility account.

DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION

Approval Date: November 2, 2017

Effective Date: December 1, 2017

Resolution No: 2017 – 11

WASTEWATER	
NEW CONNECTIONS	

WASTEWATER CONNECTION CHARGES			
Line Size	Service Line Up To 25'		
4"	\$1,560.00	Pavement Cut (Up to 3 Sq Ft)	\$400
6"	\$1,585.00		
Over 6"	CALL DEPARTMENT		

\$150 Unable to Connect Service Charge

This charge shall be made when Doña Ana Mutual Domestic Water Consumers Association (Doña Ana Mutual) is notified by the user or user’s representative that the service site is ready for service and connection and utility personnel have been scheduled to physically connect service, but are unable to connect the service due to, among other things, work site obstructions or incomplete service installation necessary for the utility to perform the necessary and appropriate connection.

TERMS AND CONDITIONS FOR NEW WASTEWATER SERVICE CONNECTION

When a connection is requested, this initiates the service connection process for wastewater services. A Service Order for a new wastewater connection shall not be scheduled until all pertinent impact fees as defined in the Development Impact Fee schedule and connection fees are paid. Fees are paid when a utility account is established with Doña Ana Mutual Customer Service. The new connection for the residential construction site will be coordinated by Doña Ana Mutual personnel and establish the final location of the wastewater connection.

New residential construction sites that are found connected to the wastewater system without establishing a utility account and bypassing payment of fees and charges for new connection, shall be deemed as theft of service and illegally connected to the wastewater system.

Doña Ana Mutual shall have the right to disconnect or refuse to connect or reconnect any utility service where there is evidence that theft of utility service (i.e. water or wastewater connection) has occurred. Doña Ana Mutual shall immediately disconnect water services and assess the user or user’s representative an assessment of \$250.00 per instance of illegal connection. The illegal connection assessment shall be paid in full plus any and all unpaid fees and charges for new connection services and the establishment of a utility account.

DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION

Approval Date: November 2, 2017

Effective Date: December 1, 2017

Resolution No: 2017 – 11

DEVELOPMENT IMPACT FEES
NEW CONNECTIONS

A Water and Wastewater Development Impact Fee is assessed for each new connection to the Doña Ana Mutual Domestic Water Consumers Association water and wastewater system based on water meter size.

The fee is also applicable to any increase in size of an existing meter. The fee will be assessed for any such increase in an amount representing the difference between the fee that would be imposed for the existing meter size and the fee imposed for the size of the proposed meter.

WATER & WASTEWATER IMPACT FEES						
	WATER IMPACT FEES		WASTEWATER IMPACT FEES			
Meter Size	Residential	Commercial	Residential	Commercial	Treatment Fee (Picacho Hills Area)	Treatment Fee (All Other Areas)
3/4 x 5/8"	\$1,642.00	\$1,642.00	\$777.20	\$777.20	\$1,165.80	\$1,943.00
1"	\$3,613.00	\$3,613.00	\$1,438.40	\$1,438.40	\$2,157.60	\$3,596.00
1.5"	\$6,359.00	\$6,359.00	\$2,876.40	\$2,876.40	\$4,314.60	\$7,191.00
2"	\$17,908.00	\$17,908.00	\$4,602.00	\$4,602.00	\$6,903.00	\$11,505.00
3"	\$42,844.00	\$42,844.00	\$9,484.40	\$9,484.40	\$14,226.60	\$23,711.00
4"	\$65,005.00	\$65,005.00	\$19,430.00	\$19,430.00	\$29,145.00	\$48,575.00
6"	\$122,037.00	\$122,037.00	\$38,860.00	\$38,860.00	\$58,290.00	\$97,150.00

COLLECTION OF FEE

The Impact Fee may be paid in full at time of application for service or payable in up to 48 monthly payments at 4% annual interest. This installment payment option is available only to Residential and Non-Rental water connections and to the property owners thereof.

GENERAL TERMS-APPLICABLE TO ALL IMPACT FEES

For property owners who enter into an installment payment option, whether they are the utility user or not (in the case of renters/lessees), the monthly payment amount will be billed to the property owner. Failure to pay the sums due may result in termination of all Association utility service to the property; in a lien being filed on the property; and in any other collection remedy available to the Association. In the event the property owner sells or transfers ownership of the property when there is a User Surcharge balance due, the full unpaid balance is due on or before Association utility service for the property is transferred to a new user. The "due on sale or transfer" requirement also applies to foreclosure, deed in lieu of foreclosure, or short sales, and to probate or death transfers. No penalties will be assessed for early payment of the development impact fee amount.

DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION

Approval Date: November 2, 2017

Effective Date: December 1, 2017

Resolution No: 2017 – 11

BOARD OF DIRECTORS

ELECTION PROCEDURES

Doña Ana Mutual Domestic Water Consumers Association adopts the following as procedures for the conduct of elections of members of the Board of Directors.

Five initial districts were established by the membership in November 2013 in Article VI, Section 9, of the Association's Bylaws. The sizes and boundaries of these initial districts will be maintained so that the number of members within each district is within ten percent (10%) of any other district. Modifications to district boundaries in the future will be made through a written Policy adopted by the Board of Directors. The district boundaries will be adjusted no later than every five years. The Board of Directors may modify any district boundaries at any time the number of members in any district differs by more than ten percent (10%) from any other district.

Elections for Board positions may be conducted by an independent third party, if feasible. The list of members eligible to vote in an election will close 45 days prior to the election. The eligible membership list will be provided to the entity conducting the election no later than 30 days prior to the election.

A candidate for the Board must be in good standing with the Association at the time of submission of the candidate's petition and must maintain his/her membership within the district he/she seeks to represent. A prospective candidate must submit a written petition to the Association's executive director no later than 35 days prior to the election date. A prospective candidate's petition must contain the names, signatures and addresses of at least five Association members in good standing whose memberships are maintained within the district in which the prospective candidate intends to run, which members will state that they support that person's candidacy.

Paper ballots shall be used for Board elections. Each voter may cast only one ballot, for a candidate in that member's district. Ballots may be cast by in-person voting or by absentee mail voting, in accordance with the procedures established by the third party conducting the election and with the approval of the Board of Directors. No proxy voting is allowed. No write-in candidate votes will be considered or counted. Ballots may be counted by voting machine but if voting machines are not available or feasible, they shall be counted by hand. The Association's executive director and a person designated by the entity conducting the election shall count the votes and submit the final count to the Board of Directors. The Board of Directors shall certify the results and present the certified results to the membership at the annual meeting.

The election for each Board position shall be determined by plurality vote of the members for the candidates within each district. No runoff elections will be held. In the event of a tie vote, the winner will be determined by a drawing of a high card from a deck of standard playing cards.

The Board of Directors shall resolve any disputes or issues arising from an election.

Should a vacancy occur in a Board position other than by removal, the remaining members of the Board of Directors will appoint a replacement who shall serve in that position until the next regularly scheduled election. At that election, the members shall elect a director for the unexpired term.



October 30, 2017

#6324238

Ms. Jennifer J. Horton, Executive Director
Doña Ana Mutual Domestic Water Consumers Association
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RE: DOÑA ANA MDWCA 40-YEAR WATER PLAN

Dear Ms. Horton:

Souder, Miller & Associations (SMA), would like to thank Doña Ana Mutual Domestic Water Consumers Association's (MDWCA) for reviewing and commenting on the submitted 40-Year Water Plan. Following please find the SMA response to Doña Ana MDWCA's review comments received August 9, 2017.

James Melton's Comments:

1. Page 4, a very nice table is provided, however, it has no title, no dimensions are associated with the numbers, etc.; and upon first glance appears to be an attempt to occupy space on the page. Tables should be self-explanatory and provide easy reference for the reader, not require perusal of the rhetoric preceding or following the table.

SMA Response: The table on Page 4 has been revised to include to include a title ("Doña Ana MDWCA Distribution System Pipeline Characteristics") and units (LF (linear feet)).

2. Page 5, 1st paragraph, 2nd sentence, last two words, "Figure 1," WHERE IS IT!!

SMA Response: "Figure 1 – Doña Ana MDWCA Water Service Area Map" has been added to Section 1.1.

3. Page 5, ¶1.2.1., 1st sentence references "Chart A-1 in Appendix A." I have scoured Appendix A thoroughly and find 12 graphs ("Charts?"), and still have failed to locate and identify "Chart A-1." I agree that data is impressively presented in graphical form, however, a severe confusion factor is introduced when the data is illustrated in gallons as it is in the graphs and tabularly presented in acre feet (as it is in Appendix B, additionally the narrative identifies wells as well 2,3, . . . etc. but the graphs (Appendix A) and the data tabulation (Appendix B) identify them by LRG number). Let's talk all apples or all oranges.

SMA Response: Chart 1 – "Doña Ana MDWCA Water Diversion, Sales and Gain/(Loss)" has been imbedded in the revised plan (not in an Appendix). The breakdown of water diversion and sales for each service area was removed to focus instead on cumulative impact. The discussion of the cumulative water diversion, sales and gain/loss for the entire system replaced a similar discussion for each service area.

4. Page 5, ¶1.2.2., 2nd sentence references "Chart A-2 in Appendix A." I have searched Appendix A thoroughly and find 12 graphs ("Charts?"), and still have failed to locate and identify "Chart A-2"

SMA Response: Section 1.2.2 "Fairview Service Area Water Use" has been removed from the text. For additional discussion see response to Item 3.

5. Similar comments apply to paragraphs 1.2.3. and 1.2.4 as well as Charts A-3, through A-5.

SMA Response: Section 1.2.3 “Picacho Hills Service Area Water Use” and Section 1.2.4 “Radium Springs Water Use” have been removed from the text in order to present a consolidated picture of system water consumption as requested by the Doña Ana MDWCA attorney. For additional discussion see response to Item 3.

6. Page 6, 2nd sentence states “an average system loss of 12% in 2015 and 2016” while page 1, 2nd paragraph, 1st sentence states, “per capita day in 2016, including an estimated 5.1% water loss across the system.” My conclusion upon reading those two statistics is that in order to achieve an average loss of 12% in 2015 and 2016 (two years) with only 5.1% loss in one of those years (2016) the loss in 2015 must have approached 19%. Are these numbers realistic, or did I miss the point?

SMA Response: Section 1.2 has been modified to read “a system loss of 13.0% in 2015 and 5.1% in 2016”. Please note that SMA has been provided updated diversion/consumption numbers that allowed for recalculation of the older data.

7. Page 6, 3rd sentence makes reference to “Table 1 and Chart 1,” WHERE ARE THEY!!

SMA Response: “Chart 1 and Table A-1 in Appendix A” have been included in the revised plan.

8. Page 7, ¶ 2.1.1., states that water loss calculations were not “reliable” prior to 2015, with which I agree. However, would our case not be somewhat strengthened by an explanation concerning what factors contributed to the lack of “reliability?”

SMA Response: The subject sentences have been modified as follows: “Water loss calculations prior to 2015 are not reliable, principally due to a combination of occasional purchase of water from an interconnected system (City of Las Cruces), aged meters and sales methodology (rounding). Losses from 2016 were measured at a reasonable level of 5.1% and were not impacted by any of the prior factors (e.g. no water purchases, new meters have been installed, sales software has been upgraded, etc.).”

9. Page 8, ¶ 2.2.1.5, I don’t understand the point this item is attempting to make. Does anyone care to enlighten me or will it be equally as baffling to another reader?

SMA Response: Section 2.2.1. has been modified to read, “Regularly review water bills to ensure adequate and pertinent data is included regarding use”

10. Page 9, 4th paragraph, addresses reviewing the rate structure to determine if it is adequately addressing water conservation efforts, since the SPA requires the Board of Directors to review the rate structure annually to meet fiscal demands, isn’t this merely an additional point for consideration in an ongoing effort rather than a new implementation?

SMA Response: The plan has been modified to state: “The Doña Ana MDWCA Board of Directors reviews the existing rate structure on an annual basis. Part of this process is to ensure that the rate structure is adequately promoting water conservation.” Also, the row entitled “Review water rate structure” in the table of Planned Water Conservation Activities has been retitled to add “Annual” and modified to indicate that these activities are continuing (not being implemented now).

11. Page 10, ¶ 2.3., 6th sentence, is the reader to assume that the “Table 3” referred to and the table in Appendix C labeled “3. SINGLE-FAMILY RESIDENTIAL (SFR)” are one and the same? If so, why does the reference not state “Table 3 in Appendix C”? If not, where is “Table 3”?

SMA Response: The plan has been revised to remove the reference to Table 3.

12. a. Page 12, the chart cites a projected 2056 population of 28,907 but I am at a loss for where that number originates.
b. Page 12, “Historic Service Connections” cites a projected 2056 population of 25,570.
c. Page 12, “Recent Service Connections” cites a projected 2056 population of 31,411.
d. Page 13, “County-Wide Census Data” cites a projected 2056 population of 29,433.
e. Page 13, ¶ 3.2.1., 3rd sentence recites a population of 29,433 projected for 2056
I still am at a loss for the source of the 28,907 number.

SMA Response: Where appropriate, the individual projections have been updated to reflect the most recently available data. These updates result in a County-Wide Census based projection of population served of 31,458 in 2056. The chart was also moved to Section 3.2.1.

13. Page 13, “County-Wide Census Data,” second paragraph, 1st sentence refers to “Table 4 and Chart 3,” where are they?

SMA Response: This portion of the text was removed from Section 3.1.1. “County-Wide Census Data”. “Chart 3 and Table A-3 in Appendix A” were added to the plan and are included in Section 3.2.

14. Page 14, ¶ 4.1., “Table 5” and “Chart 4” are cited, and I hate to nag, but where oh where are they?

SMA Response: “Table A-4 in Appendix A” and “Chart 4” are included in the revised plan.

15. Page 14, ¶ 4.1.1., A connection fee of \$2,750 is cited for “All new residential” connections. Would this not be more accurate if it read “minimum \$2,750” vice “a \$2,750?”

SMA Response: Section 4.1.1 has been modified to include “minimum \$2,750”.

16. Page 14, I note that ¶ 4.1.1 specifically states that the fund is reserved for the purchase of new ADJUDICATED water rights! Very good!!

SMA Response: Noted.

17. Page 15, ¶ 5.1., “Table 7,” Table 8,” and “Chart 4” are cited but can be neither located nor identified.

SMA Response: “Table A-5 and Table A-6 in Appendix A; and Chart 4” are included in the revised plan.

18. Page 15, 3rd sentence, isn’t there an offset applied when agricultural surface water rights are converted to domestic surface water rights which will result in a decrease in the 468 acre-feet currently held?

SMA Response: Agricultural surface water rights are reduced when converted to domestic surface water rights. Additional language has been added to the plan to outline this anticipated decrease in the 468 acre-feet currently held.

19. Page 17, Fairview, 2nd sentence, “is not anticipate in” should read “is not anticipated in”.

SMA Response: The text has been modified as requested.

20. Page 17, Radium Springs, 2nd sentence, “is not anticipate in” should read “is not anticipated in”.

SMA Response: Sentence was corrected as noted.

21. Page 18, Suggest that the first sentence of ¶ 6.2 be modified to reflect, “The draft 40 Year Water Plan was presented at the August 3, 2017 Regular Board of Directors Meeting to gather input from the Doña Ana MDWCA Board and staff members.” vice “To gather input from the Doña Ana MDWCA Board and staff members, on the draft 40 Year Water Plan was presented at the August 3, 2017.”

SMA Response: Section 6.2 has been modified to reflect the wording recommended.

22. Page 19, ¶ 6.5., 2nd paragraph, 2nd sentence would seem to flow better by replacement of “and provide adequate time for acquisition of needed water supplies, if needed.” with “and provide adequate time for acquisition of additional water supplies, if needed.”

SMA Response: Section 6.5 has been modified to reflect the wording recommended.

23. No comments are offered concerning currently held water rights as I do not have access to the CD containing Appendix D.

SMA Response: CD containing Appendix D is included in the revised plan.

Kurt Anderson’s Comments:

1. General Comment: I read this draft document from the point of view of a Member of the Board hoping to see a reasonably (but not excessively) detailed description of the present DAMDWCA system and its capabilities together with a forecast of probable future needs for expansion and improvements to its infrastructure. I remain particularly concerned about the future availability of sufficient water to meet the needs of our members.

SMA Response: The plan has been revised to incorporate comments received from Doña Ana MDWCA Board Members and staff. Your specific concern is noted, however, not specifically addressed within the scope of this plan.

2. General Comment: I assume this document follows a format required by the OSE of all 40-year plans. If so, some of my comments, particularly those regarding the Appendices are probably inappropriate.

SMA Response: Correct; this document follows the prescribed format required by NMOSE for all 40-Year Water Plans. Where appropriate, all comments received were incorporated into the revised plan.

3. General Comment: Numerous Charts, Tables, Figures, and Appendices referenced in the text are not to be found in my copy of this document. Consistency in the use of numbers seems to be lacking. Some of the numbers used are, I believe, wrong.

SMA Response: The referenced Charts, Tables and Figures were inadvertently not provided with the first review copy. All have been included in the revised plan.

4. General Comment: This 40-Year Water Plan “needs work.”

SMA Response: Revisions based on comments received have been incorporated into the plan.

5. Executive Summary: Thirteen wells? Appendix A and Appendix B give data for only 12 wells. I believe some of these are no longer in service. I suspect the given pumping capacity is in error.

SMA Response: Doña Ana MDWCA has thirteen active wells Appendix B has been updated to include NMOSE records for a total of sixteen wells, which include three wells no longer in use.

6. Executive Summary: The “estimated 5.1% water loss across the system” seems low for 2016. This is significantly at variance with the 12% given at the end of Section 1.2. (I also get 12.0% for CY 2016.)

SMA Response: Based on the most recent Association records provided to SMA, water loss across the system is 13.0% for 2015 and 5.1% for 2016.

7. Executive Summary: Note that Fairview system is presently backed-up by connect to CLC system. Is the connection to the Doña Ana System presently fully functional?

SMA Response: Yes, the connection to the Doña Ana MDWCA system is fully functional. Section 1.1, paragraph 2 has been revised to include that connection.

8. Executive Summary: Number Check:

Service Area is about 90 square miles (“more than 57,000 Acres”)
Current Number of metered connections: 5,224
Current population served: 14,522 (assumes 2.78 per connection)
Vested groundwater rights: 2,859 - 3,676 Af (some pending)
Inchoate water rights: 6,138 - 5,322 Af (Total is 8,998 Af)
Surface water rights: 162 - 172 Af
2016 data give 109 GPCD (sold) or 123.5 GPCD (pumped)

SMA Response: The data contained in the plan has been checked and revised as necessary to reflect current information provided by Doña Ana MDWCA staff. The plan was revised to use “90 square miles” in lieu of “more than 57,000 acres”.

9. 1.1. Overview of Present Water Delivery System: When was DAMDWCA formed/incorporated (1974?) and when did it acquire the Doña Ana Water System (1976)?

SMA Response: Doña Ana MDWCA was formed/incorporated on May 3, 1974. The Doña Ana Water System was acquired in 1976. These dates have been worked into the first paragraph of Section 1.1.

10. 1.1. Overview of Present Water Delivery System: The number of people per connection ranges from 2.47 (Fort Seldon) to 3.31 (Fairview) with Picacho Hills at 2.57. The average is 2.57, somewhat lower than the 2.78 assumed elsewhere.

SMA Response: A chart was created titled “Dona Ana MDWCA Service Area Weighted Average of Persons Per Household” and placed in Section 1.1. The chart clarifies how the 2.78 people per connection was calculated.

11. 1.1. Overview of Present Water Delivery System: I’d expect to see, in addition to the pipe-size data (page 4), tables giving the locations and capacities (gal or gpm) and locations (UTM?) of our water tanks, water wells, and booster stations. A single map would be useful.

SMA Response: While not specified in the NMOSE outline, “Figure 2 – Dona Ana MDWCA Facilities (Existing Wells, Tanks, and Booster Stations) was added to the end of Section 1.1.”

12. 1.1. Overview of Present Water Delivery System: Figure 1, showing the “current area of beneficial use” for current water rights is missing.

SMA Response: “Figure 1 – “Dona Ana MDWCA Water Service Area Map” has been added to Section 1.1.

13. 1.2. Current Water Use: Charts A-1 through A-5 showing “Annual water diversion and sales from 2000 through 2016” are missing from Appendix A. Appendix A contains only production data for twelve wells for various differing time intervals. (It is unclear just what these are, but they are not “annual”.)

SMA Response: Chart 1 – “Doña Ana MDWCA Water Diversion, Sales and Gain/(Loss)” was added to the plan. The breakdown of current water diversion and sales for each service area was removed. The discussion of the cumulative water diversion, sales and gain/loss for the entire system replaced a similar discussion for each service area.

14. 1.2. Current Water Use: I thought the data showing sales occasionally (usually) exceeding diversions in our previous 40-year plan demanded an explanation.

SMA Response: Section 1.2 has been modified to provide an explanation for the data showing sales exceeding diversions.

15. 1.2. Current Water Use: I believe the “explanation” given then - and now - is little more than vague speculation. If the earlier errors can be attributed to defective metering, we should say so. Can we at least say that this problem no longer occurs? Data for 2016 shows pumping exceeding sales by 12%.

SMA Response: The source of the specific problem(s) that led to sales frequently exceeding diversion cannot be positively identified through available Doña Ana MDWCA records. However, SMA believes that the likely most significant factor was the practice of rounding up invoices to users. This practice (assuming service meters were accurate) resulted in billed sales that exceeded delivered water in most months for most customers. The paragraph in Section 1.2 was modified to reflect that the “variability is likely attributable to a combination of occasional purchase of water from an interconnected system (City of Las Cruces), aged meters and sales methodology (rounding)”. A sentence was also added stating “...Doña Ana MDWCA completed several projects that have improved accuracy and address the discrepancy between sales and diversion”.

16. 2.1. Existing Water Conservation Programs: System losses of 5.1% for 2016 would be incredibly good, but what happened to change this from the 12% cited earlier for 2015 and 2016 (Section 1.2.4)? Pumped versus sold data for 2016 indicate a 12.0% loss.) I would very much like to see the numbers upon which this 5.1% is based. (Especially given the problems with Section 1.3.)

SMA Response: 2016 pumped versus sold data is based on Doña Ana MDWCA billing information. The following data was used to determine losses:

2016 Sold = 574,615,025 gallons

2016 Pumped = 605,378,415 gallons

Loss = 30,763,390 = 5.1%

The improvement in losses may be due to new metering equipment, improved meter readings or a variety of other contributing factors.

17. 2.1. Existing Water Conservation Programs: A list/table of how many meters of each size are out there would be informative. Just add them as (xxxx meters) after each entry in the fee schedule.

SMA Response: A list of the number of different meters of each size has been added to Section 1.1.

18. 2.1. Existing Water Conservation Programs: Is this our current rate structure? Are the numbers for FY 2018? Comment: Given the water consumption associated with the production of electric power it is not obvious that refrigerated air cooling makes fewer demands upon water consumption.

SMA Response: The rate structure shown is current for FY 2018. While refrigerated air may not reduce overall water use, it does reduce Doña Ana MDWCA use.

19. 2.1. Existing Water Conservation Programs: The Regional Water Plan cited was produced in 2003 and is based upon pre-drought conditions. An “updated” LRGRWP was “accepted” by the OSE in 2017.

SMA Response: Section 2.1.2 has been revised to include these revisions.

20. 2.1. Existing Water Conservation Programs: Local precipitation contributes negligibly to groundwater recharge. That groundwater use exceeds recharge capacity cannot, in the context of a 40-year plan, be a “longer term” educational goal.

SMA Response: This sentence was removed from Section 2.1.2.

21. 2.2 Description of Future Water Conservation Programs: For 2016, assuming 5,224 connections and 2.78 persons per connection, I get 119 GPCD (pumped) to 109 GPCD (sold). If we assume 2.57 persons per connection these increase to 129 GPCD and 118 GPCD, respectively.

SMA Response: In the first paragraph in Section 2.2 the following sentence was added “Dona Ana MDWCA members utilized 106 GPCD in 2016 based on consumption (metered sales). This is based on 5,364 connections and 2.78 persons per connection.

22. 2.2 Description of Future Water Conservation Programs: Are the numbers for the other providers based on pumpage or sales?

SMA Response: The numbers for other providers are based on sales.

23. 2.2 Description of Future Water Conservation Programs: It is hard to see how some of the items listed under 2.2.2 encourage conservation. We can (a) improve system efficiency by reducing losses due to leakage, line breaks, vandalism and theft; (b) reduce demand by encouraging residential water conservation (low-flow appliances, xeriscaping, etc.) and (c) reducing consumption by steepening our rate structure.

SMA Response: These three elements have been incorporated into Section 2.2.1.

24. 2.3 Future GPCD Projections: Where is Table 3?

SMA Response: The reference to Table 3 has been removed from the sentence in the plan.

25. 2.3 Future GPCD Projections: Indicate DAMDWCA's location in "the following chart." Again, are these based upon pumped or sold data?

SMA Response: The first paragraph in Section 2.3 was modified by adding "based on consumption (metered sales)" after the 108 GPCD value. Additionally, the paragraph was modified to indicate the "value of 108 for Doña Ana MDWCA ranks second in GPCD when compared to regional peer communities".

26. 3.1 Population Projections: Is it 2.57 or 2.78 persons per household? (PH + RS + FV average is 2.57.)

SMA Response: It is 2.78 persons per household. See response in comment #10.

27. 3.1 Population Projections: Where are Table 4 and Chart 3?

SMA Response: This sentence was removed from Section 3.1.1 "County-Wide Census Data". "Table A-3 in Appendix; and Chart 3" were added to the plan and are included in Section 3.2.

28. 3.2 Statement of Future Population: "It's tough to make predictions, especially about the future." - Yogi Berra also, "The future ain't what it used to be."

SMA Response: Noted.

29. 4.1 Calculation of Future Demand: Where are Table 4 and Chart 4?

SMA Response: "Table A-4 in Appendix A" and "Chart 4" were added to the plan.

30. 4.2 Demonstration that Absence of Water is a Limitation on Growth: All forecasts of which I am aware indicate continuing drought and limited recharge from the Rio Grande and continued "excessive" pumping for agriculture.

SMA Response: The first paragraph of Section 4.2 was modified to read "...water will be limited during the planning period due to continuing drought...". The use of the word "excessive" attributed to agriculture could be viewed as inflammatory and a matter of opinion to potential reviewers and so has not been incorporated at this time.

31. 4.2 Demonstration that Absence of Water is a Limitation on Growth: Where is Table 6?

SMA Response: The reference to Table 6 was removed from Section 4.2.

32. 4.2 Demonstration that Absence of Water is a Limitation on Growth: The principal crops in Doña Ana County are flood-irrigated pecans and alfalfa which like 6.0 Af/yr and 5.0 Af/yr per acre, respectively. Onions and chiles fall in the 4.0 - 5.0 Af/A-yr range. (Drip irrigation might halve these numbers but impose other costs, principally salt buildup.)

SMA Response: Modified Section 4.2 to include pecans and alfalfa in the crop discussion.

33. 5.1 Water Rights Information: Where are Table 7 and Table 8? What is the source of these numbers? They differ significantly from what's provided to us by Lee Peters dated 8/7/15:

Vested groundwater rights: 2,859 - 3,676 Af (some pending)

Inchoate water rights: 6,138 - 5,322 Af

..... for a total of 8,998 Af

plus, surface water rights: 162 - 172 Acres

(Assuming a full allocation of 3 Af/A these surface water rights could be converted to groundwater rights at 2.6 Af/A with a potential value of ~\$1.7-1.8 million or more.

Do we want to do this or continue leasing them "at cost"? We need to think about this.)

SMA Response: "Table A-5 and Table A-6 in Appendix A" are included in the revised plan. The numbers in these tables reflect the information available to SMA via NMOSE and Doña Ana MDWCA staff.

34. 5.1 Water Rights Information: Again, where is Chart 4?

SMA Response: "Chart 4" is included in the revised plan.

35. 5.1 Water Rights Information: Note: Appendix D is to be provided as an appended CD. Inchoate (Mendenhall) rights are essentially valueless. Rights with reasonable priority dates are currently about \$4,000/Af and rising.

SMA Response: CD containing Appendix D will be included. The value, real or otherwise, of the inchoate rights are not evaluated in the plan.

36. 5.2 Hydrology Information: It is now usual for the Rio Grande to record zero flow during the winter months.

SMA Response: Section 5.2.1 has been modified to state that "it is now common for this river to record zero flow in the Doña Ana reach outside of the irrigation season".

37. 5.2 Hydrology Information: We will not be building a surface water treatment plant in the foreseeable future.

SMA Response: Section 5.2.1 has been modified to include the following statement: "Dona Ana MDWCA has no current plans to build a surface water treatment plant".

38. 5.2 Hydrology Information: I can provide empirically-base numbers showing that about 29% (not "between 1/3 and 2/3") of diverted Rio Grande water contributes recharge.

SMA Response: Section 5.2.2 has been modified to state that "approximately 1/3 is credited as resulting in aquifer recharge". While there may be empirical evidence suggesting a lesser amount (as noted), challenging published literature for the minor difference would likely provide no benefit to Doña Ana MDWCA with respect to this purposes of this plan.

39. 5.2 Hydrology Information: The estimate of 66 million acre-feet of water in the Mesilla Bolson is for saline water up to ~5,000 ppm TDS. Hawley and Kennedy (2014) and Hawley (2015, private communication) suggest the supply of “...economically recoverable (mineable) water of potable quality, i.e <1,000 mg/L tds ...” is only 13 -14 million acre feet. The volume available for human consumption without further treatment, < 500 ppm TDS, is significantly less.

SMA Response: SMA staff have had prior conversations with Dr. John Hawley regarding his extensive modelling of aquifers in southern New Mexico. Section 5.2.2 has been modified to include the following, “However, only 13-14 million acre-feet may be available for potable use”.

40. 5.2 Hydrology Information: At current rates of recharge and withdrawal the Mesilla Bolson will be exhausted of potable water on a timescale of less than 58 years - and probably less than the period to be covered by this 40-year Plan.

SMA Response: This statement will need to be documented prior to inclusion in the plan.

41. 5.2 Hydrology Information: Regarding Appendix E: Currently, DAMDWCA is receiving zero return flow credits associated with this agreement. When will this change?

SMA Response: Section 5.2 was modified to include “Doña Ana MDWCA currently has an agreement with the City of Las Cruces to receive return flow credits associated with wastewater generated from within the Association’s service area. At this time, the method to provide Doña Ana MDWCA return flow credits has not been formalized.”

42. 5.2 Hydrology Information: Just how much wastewater is currently going to CLC. What is it worth in credits?

SMA Response: Section 5.2 was modified to include “Presently, there are approximately 900 homes with wastewater connections. Current return flow credits are 0.2 acre-feet/household, although the amount of any realized credit will likely to be subject to offsets to be determined by NMOSE.”

43. 6. Proposed Planning Period: I gather that this section is an NMOSE requirement for 40-year plans. Some of the contents seem inappropriate or unnecessary.

SMA Response: Agreed, but yes, this document follows a format required by the OSE for all 40-Year Water Plans.

44. 6. Proposed Planning Period: Who is going to see this plan and have opportunity to comment upon it before it is submitted for adoption?

SMA Response: Doña Ana MDWCA would be responsible for determining who would have the opportunity to review and comment on the plan before submission to the NMOSE. The prior plan was included in a public presentation (held at Doña Ana Elementary) and posted on the internet for comment.

45. 6. Proposed Planning Period: Unless a special Meeting is called, this 40-year Plan won’t have an approval Resolution until 7 September 2017. What can Legal use before then?

SMA Response: The 2010 40-Year Water Plan can be utilized until the 2017 40-Year Water Plan under review is approved.

46. 6. Proposed Planning Period: The Lower Rio Grande Regional Water Plan (as accepted by the ISC in 2017) should probably be mentioned.

SMA Response: The following paragraph has been added to Section 6.2.2, "Several documents are available discussing regional water planning efforts. An updated New Mexico Lower Rio Grande Regional Water Plan was completed in March 2017 by NMOSE and is available for review".

47. 6. Proposed Planning Period: Can I assume that "Unused Water Rights" (Section 6.4) refers to our Inchoate Rights only?

SMA Response: No, the unused water rights referred to are shown in Chart 4 as the difference between vested groundwater rights and the historic water use for a specific year. In 2016, it is the difference between 2,860 acre-feet of vested groundwater rights and the historic water use of 1,763 acre-feet. This data is also contained in Table A-4 and A-5 in Appendix A.

48. Appendix A: The Well Production Charts (Appendix A) are rather unenlightening - and confusing:

SMA Response: The Well Production Charts have been removed from the plan.

49. Appendix A: Captions for Wells 7, 2A, 3, 8, 5, and 6 are "Production Volume (gallons)" but "Calculated

SMA Response: The Well Production Charts have been removed from the plan.

50. Appendix A: Volume Pumped" for Wells 7 (PH), 16A (PH), 9(RS), 10, 11(RS), and Fairview 1 & 2. Also, that the pumped volume is in gallons is not indicated on every chart. It would help if all of these figures adopted the same format and date range (e.g., 2001 through 2016) - even if some data are absent. This data would have been more usefully presented as a single table, with a column for each well giving annual totals by year - in thousands of gallons or acre-feet. A final column giving system totals would be nice.

SMA Response: The Well Production Charts have been removed from the plan.

51. Appendix A: Finally, where is the promised pumped versus sold data (Charts A-1 through A-5)?

SMA Response: The pumped versus sold data is shown as Chart 1.

52. Appendix B: Do these monthly Well Master Meter Readings (Appendix B) serve any useful purpose? I would think a single page per well would be more than sufficient. Each would consist of the first part of the "Point of Diversion Summary", exclude the monthly meter readings, and include only the final "***YTD Meter Amounts" for 2000-2016. Of course, this last would be a duplication of the data in Appendix A.

SMA Response: A new Table B-1 in Appendix B was created titled Annual Well Production Summary. This table summarizes the number of gallons used by each well in each service area from 2001-2016.

53. Appendix C: I gather that the result for DAMDWCA is, effectively, water sold divided by the served population divided by the number of days in the year. However, I am puzzled by some of the numbers entered into this “NMOSE GPCD CALCULATOR”. For examples:

SMA Response: Yes, the calculation for GCPD is as you stated and the NMOSE calculator has been updated with the most recent data. Since reliable data is not available for multifamily or commercial account usage, all usage was categorized as single family in the NMOSE calculator..

54. Appendix C: What is the Source of the Occupancy Status of 10,869; is this supposed to be the number of connections and why has the Average Household Size grown to 2.85 persons (Table 2.1)?

SMA Response: This table has been updated with an Occupancy Status of 15,302 (service area population) and Average Household Size of 2.78.

55. Appendix C: Is it the case that we have no Inactive (Zero Use) connections (Input Sheet 3), or serve no MFRs (Input Sheet 4) or ICIs (InputSheet 5)?

SMA Response: This data was not available from the Doña Ana MDWCA billing system.

56. Appendix C: Finally, we have good pumping, sales, and connection data through 2016. Why stop at 2014?

SMA Response: The data has been updated through 2016.

57. Appendix D: I’m not sure what’s on the “included” CD (Appendix D). However, what I’d like to see is a table summarizing DAMDWCA’s (a) vested groundwater rights - with priority dates, (b) inchoate water rights - with priority dates and (c) surface water rights - with priority dates. Since the sizes some of the vested amounts are currently “under discussion” with the OSE, those should be so indicated.

SMA Response: The requested information is shown on Table A-5 and A-6 in Appendix A.

58. Appendix E: Maps delineating the areas served by DAMDWCA for water and wastewater should certainly be a part of this 40-year plan. However, the maps in Appendix E (“Agreement between Doña Ana MDWCA and the City of Las Cruces”) do not cover areas other than this abutting CLC turf. The document should include the Radium Springs, Fairview, and Picacho Hills service areas. It would be nice to include a single map showing the full coverage area. See reference to the “missing” Figure 1 above. (Comment: The absence of coordinates and street names, especially names of boundary streets, makes it very difficult to locate the maps with respect to one another.)

SMA Response: “Figure 1 – “Dona Ana MDWCA Water Service Area Map” has been added to Section 1.1.

Ms. Jennifer J. Horton

October 30, 2017

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Please feel free to contact either of the undersigned if you have any comments and/or questions by phone at (575) 647-0799.

Sincerely,
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Doña Ana
Mutual Domestic Water Consumers Association
40-Year Water Plan

October, 2017



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EXECUTIVE SUMMARY

The Doña Ana Mutual Domestic Water Consumers Association (MDWCA) provides potable water for a population of 15,30200 connections) in an area extending about 90 square miles north and west of the City of Las Cruces in Doña Ana County, New Mexico. The Association was formed in 1974 and has a total pumping capacity based on estimated well yields of 11,495,000 gallons per day (12,877 acre-feet per annum) from thirteen wells. In the last five years, the Association recently added the Fairview, Picacho Hills and Radium Springs areas to its service area through the acquisition of the Fort Seldon Water Company, Fairview Estates Water System and the Picacho Hills Utility Company. These purchases added 1,382 customers, 7.4 square miles of service area and 5,851.53 acre-feet of water rights to the Doña Ana MDWCA service area.

Total gallons per capita day usage has been relatively stable the last several years averaging 106 gallons per capita day in 2016, including an estimated 5.1% water loss across the system. Usage levels are likely lower than average due to the rural, underdeveloped nature of the area and a tiered rate structure which promotes conservation.

The population growth for the service area was modelled using growth rates based on historic Doña Ana county growth rates. Using the combined population model based on the historic county growth rate and a consistent 106 gallons per capita usage rate, the vested groundwater rights currently owned by Doña Ana MDWCA will be fully utilized in 2039. With over 2,500 undeveloped residential lots already platted within the service area, Doña Ana MDWCA appears very likely to meet or even possibly exceed the growth projections.

To address the shortfall in water rights within the period covered in this Plan (2016-2056), Doña Ana MDWCA is pursuing the vesting and acquisition of additional groundwater rights. To this end, the Association has dedicated a substantial portion of the fee for each new meter connection to a fund specifically to purchase water rights.

While no additional system improvements are necessary to fully utilize the existing water rights, a series of system improvements are underway to improve the reliability, connectivity and overall function of the system. These projects are in various degrees of planning, design or construction and rely upon funding from a variety of state and local sources, as well as internally generated (usage fee generated) funds. Doña Ana MDWCA diligently pursues funding opportunities to assist with improved service to its existing and prospective members, including those people that reside in the Fort Seldon, San Ysidro, Doña Ana, or Fairacres colonias within the Association's service area.

ABBREVIATIONS AND ACRONYMS

AFPA	acre-feet per annum
BECC	Border Environment Cooperation Commission
EBID	Elephant Butte Irrigation District
EPA	Environmental Protection Agency
FmHA	Farmers Home Administration
FONSI	Finding of No Significant Impact
GPCD	gallons per capita day
gpm	gallons per minute
HH	household
IBWC	International Boundary and Water Commission
LRGWUO	Lower Rio Grande Water Users Organization
MDWCA	Mutual Domestic Water Consumers Association
MG	million gallons
NEPA	National Environmental Policy Act
NMDOT	New Mexico Department of Transportation
NMED	New Mexico Environment Department
NMFA	New Mexico Finance Authority
NMOSE	New Mexico Office of the State Engineer
NVRWRP	North Valley Regional Water Reclamation Plant
NPDES	National Pollution Discharge Elimination System
PER	preliminary engineering report
psi	pounds per square inch
PVC	polyvinyl chloride
SMA	Souder, Miller & Associates
STAG	State and Tribal Assistance Grant
ULFT	ultra-low flush toilet
USDA	United States Department of Agriculture
WTB	Water Trust Board

1. BASELINE OF CURRENT WATER USE

1.1. Overview of Present Water Delivery System

The Doña Ana Mutual Domestic Water Consumers Association (Doña Ana MDWCA) provides potable water for a population of 15,302 (5,500 connections) in an area extending more than 90 square miles north and west of the City of Las Cruces in Doña Ana County, New Mexico. Prior to 1976, the Doña Ana Water system was owned and operated as a private system. The system was acquired in 1976 by Doña Ana MDWCA, which had formed previously in 1974. Through a loan with the Farmers Home Administration (FmHA), Doña Ana MDWCA acquired the system, purchased additional water rights and expanded the system. By 1977, the water system grew to serve 570 connections. The original system consisted of a transmission and distribution system, two wells and pumping stations, which produced 520 gallons per minute (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 April 2013, Doña Ana MDWCA acquired the assets of the Fort Seldon Water Company (397 connections, 978 people). The Radium Springs service area includes three water supply wells, a booster station and two 110,000-gallon storage tanks. The Association is currently completing the design for improvements to the Radium Springs distribution system. The Association also acquired the assets of the Picacho Hills Utility Company water and wastewater systems (931 connections, 2,402 people) in December 2013. The Picacho Hills service area included three supply water wells, two booster stations and a 367,000-gallon storage tank. The Association is near completion of construction of two additional 900,000-gallon storage tanks in Picacho Hills. In December 2013, the Association acquired the Fairview Estates Water System (48 accounts, 168 people). The Fairview service area includes two water supply wells. The Association completed improvements to upgrade the distribution system and physically connect the Fairview system to the remainder of the system in 2016. This connection is fully functional. The Association plans to install piping to connect the Fairview system to the Picacho Hills system in 2017.

The following chart shows the Doña Ana Service Area Weighted Average of Persons Per Household.

Doña Ana MDWCA Service Area Weighted Average of Persons Per Household (HH)				
Service Area	Persons per HH (2010 census)	Connections	Population	Weighted Average Persons per HH
Doña Ana	2.85	4,124	11,753	
Fairview	3.5	48	168	
Picacho Hills	2.58	931	2,402	
Radium Springs	2.464	397	978	
		5,500	15,302	2.78

Doña Ana MDWCA has a total of nine water storage tanks. In Doña Ana, the water storage tanks are in two locations east of Interstate 25, with two welded steel water storage tanks at each location. The north tanks (2.5 MG capacity) are east of the Doña Ana interchange and the south tanks (1.5 MG capacity) are approximately 1 mile east of the intersection of Hatfield Road and Elks Drive. The 367,000-gallon Picacho Hills storage tank is constructed of welded steel and is located along the western end of Barcelona Ridge Road. The tank has a leak from a welded seam that is located 40-feet above the tank floor. A recent inspection of the tank revealed that the tank is highly degraded, with extensive shell plate discontinuities with thin steel plating that does not meet current construction standards. The two new 900,000-gallon storage tanks in Picacho Hills are located west of the service area and are constructed of welded steel. The Radium Springs service area is served by two 110,000-gallon welded steel storage tanks. Tank 1, referred to as Soldier Tank, is located near the north end of the service area on the east side of Interstate 25, while Tank 2, referred to as Indian Tank, is located on the west side of I-25.

As detailed in the following table, the Association's distribution system consists of over 144 miles of polyvinyl chloride (PVC), ductile iron (DI) and asbestos-cement (AC) pipeline that ranges from 1- to 18-inches in diameter. System pressure varies from 20 to 95 pounds per square inch (psi) depending upon the elevation of the residence. In Doña Ana, system pressure for the lower pressure zone is provided by static pressure from the four storage reservoirs and from pumping pressure from the six wells located throughout the system. In Fairview, pressure is provided by the new connection to the Doña Ana portion of the system. In Radium Springs, system pressure is provided by the booster station and two storage tanks. In Picacho Hills, pressure is provided by the storage tanks and two booster stations.

Doña Ana MDWCA Distribution System Pipeline Characteristics					
Pipe Size and Type	Main System (LF)	Picacho Hills (LF)	Radium Springs (LF)	Fairview (LF)	Total (LF)
2" PVC (or smaller)	55,931		19,937		75,868
3" PVC	3,352				3,352
4" DI		212			212
4" AC	3,647				3,647
4" PVC	76,348	1,782	27,840		105,970
6" DI		1,610			1,610
6" AC	21,693				21,693
6" PVC	135,354	2,108	37,516	6,430	181,408
8" DI		76			76
8" AC	5,013				5,013
8" PVC	116,751	122,796	11,245		250,792
10" PVC	52,466	10,229			62,695
12" PVC	35,537				35,537
18" PVC	15,737				15,737
Total	521,829	138,813	96,538	6,430	763,610

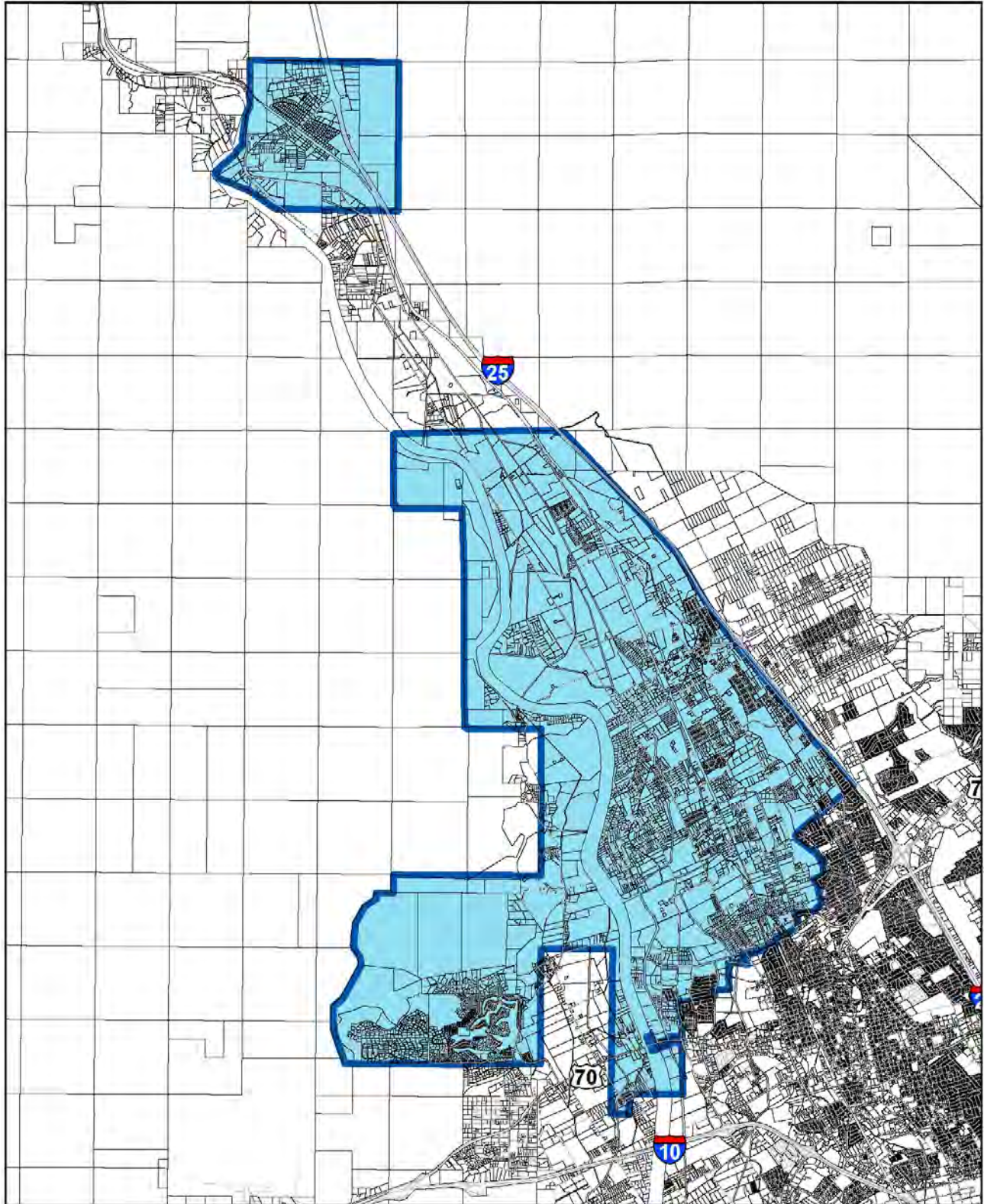
Doña Ana MDWCA Meter Count	
Meter Size	Meter Count
5/8" x 3/4"	5,395
1"	22
1.5"	1
2"	76
3"	2
4"	4

The Association has a total of five booster stations. Two of the booster stations are located in the upper Doña Ana pressure zone, which is comprised of residences west of Interstate 25. The first Doña Ana booster station is located at Well #2, immediately east of the Doña Ana MDWCA administrative complex; while the second Doña Ana booster station is located at the intersection of Hatfield Road and Elks Drive at the southeast corner of the service area. The Radium Springs booster station is located near the system wells immediately northeast of the Fort Seldon State Monument. Picacho Hills is served by the Anthem and Barcelona Ridge booster stations. The Barcelona Ridge booster station is located at the west end of Barcelona Ridge Road and supplies the Coronado Ridge

subdivision, while the Anthem booster station is located on the north end of Anthem Road and, after the recent improvements, conveys water from the lower tank and wells to the new storage tanks.

As of June 2017, Doña Ana MDWCA serves 5,224 water meters for approximately 14,522 residents within a service area in excess of 90 square miles. The current Water Service Area Map for Doña Ana MDWCA is provided as Figure 1.

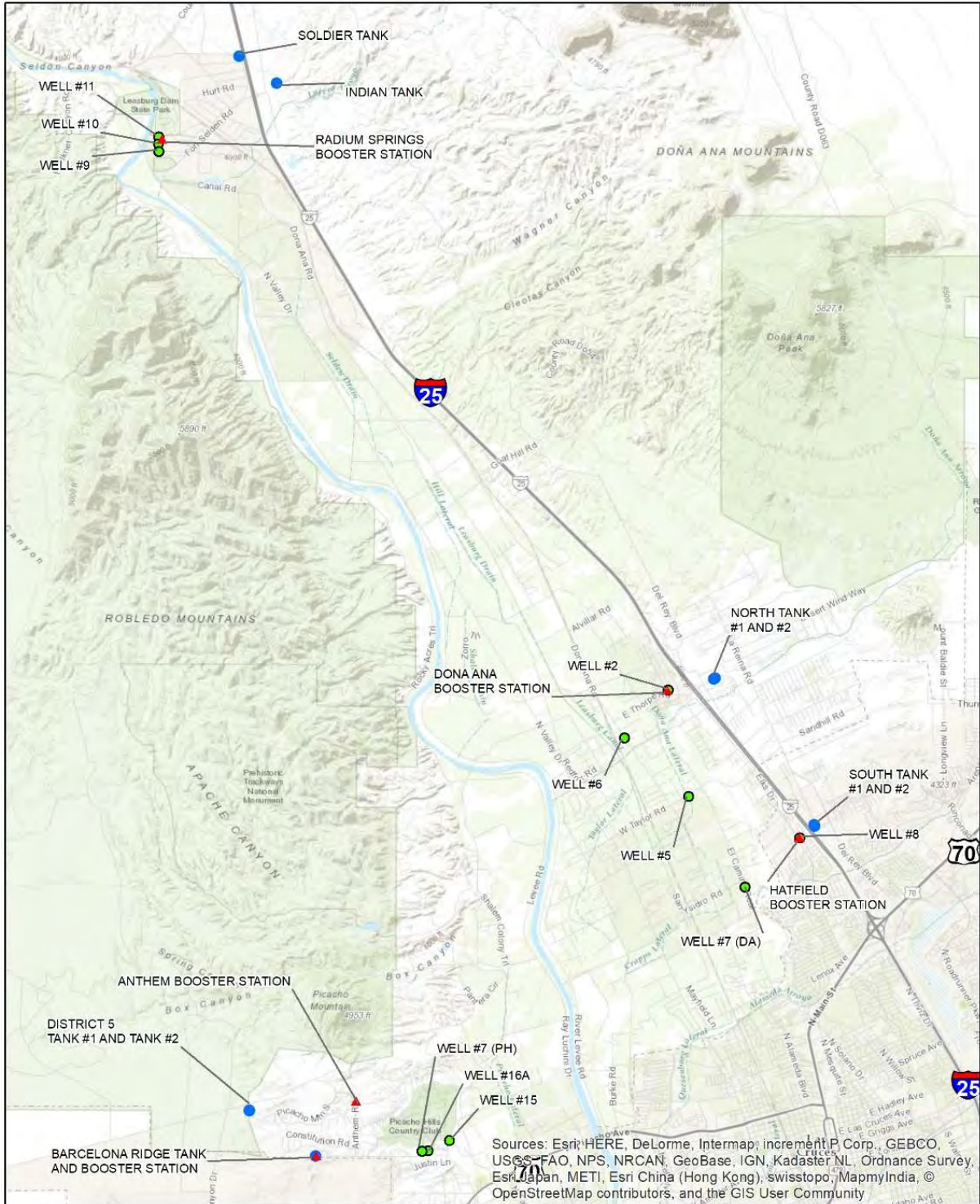
FIGURE 1 – DOÑA ANA MDWCA WATER SERVICE AREA MAP



Doña Ana Mutual Domestic Water Consumers Association 40-Year Water Plan

The current Doña Ana MDWCA Facilities Map showing existing wells, tanks and booster stations is provided as Figure 2.

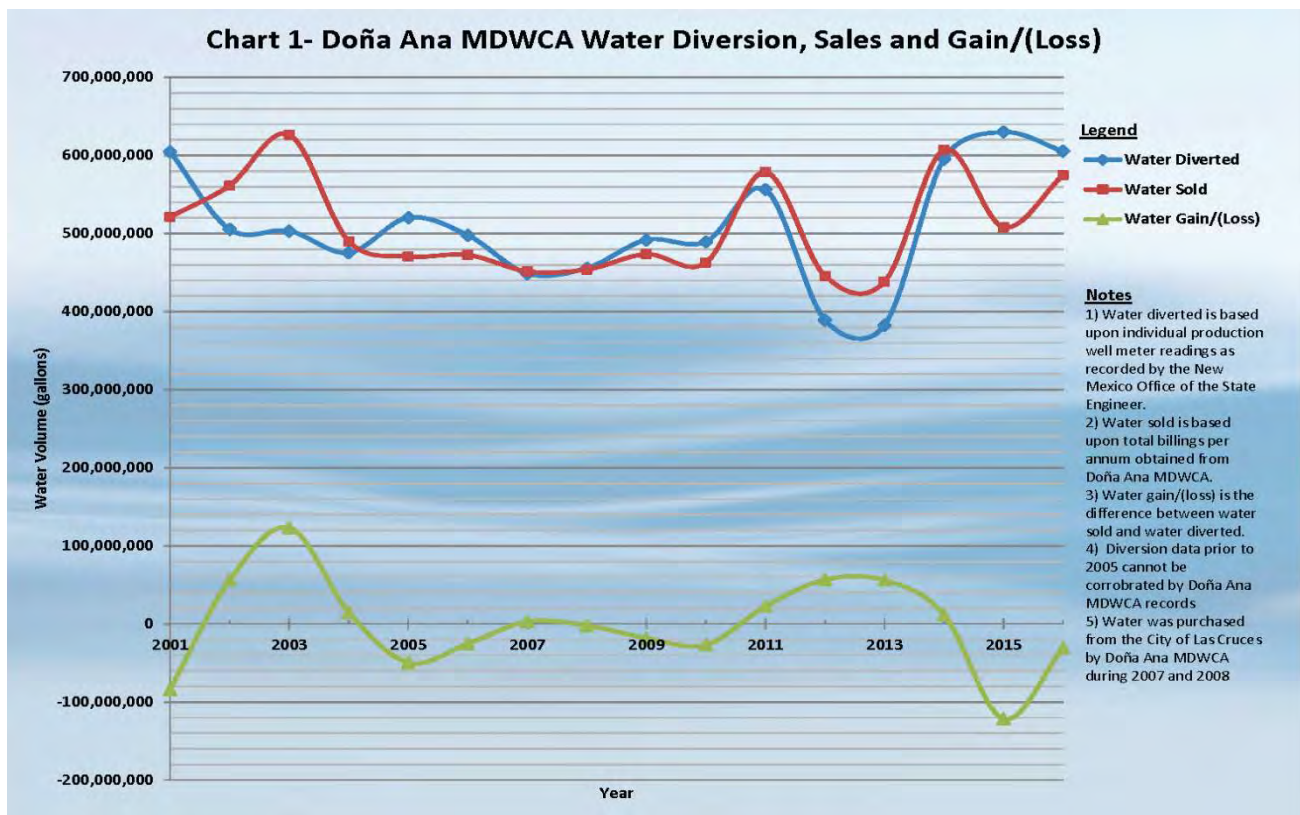
FIGURE 2 – DOÑA ANA MDWCA FACILITIES (Existing Wells, Tanks and Booster Stations)



This report will assess the water use and population demand projections for the entire Doña Ana MDWCA service areas since the water rights for the system are being combined and comingled.

1.2. Current Water Use

Annual water diversions from 2001 through 2016 for the Doña Ana MDWCA distribution system is illustrated on Chart 1; and Table A-1 in Appendix A. A summary of annual well production for all four service areas is shown as Table B-1 in Appendix B. Values for diversion were derived from well master readings (Appendix B) reported to the New Mexico State Engineers Office (NMOSE), while sales records were obtained from Doña Ana MDWCA. Sales records indicate that a recent maximum was achieved in 2014. Total sales volume has a generally increasing trend over the past several years.

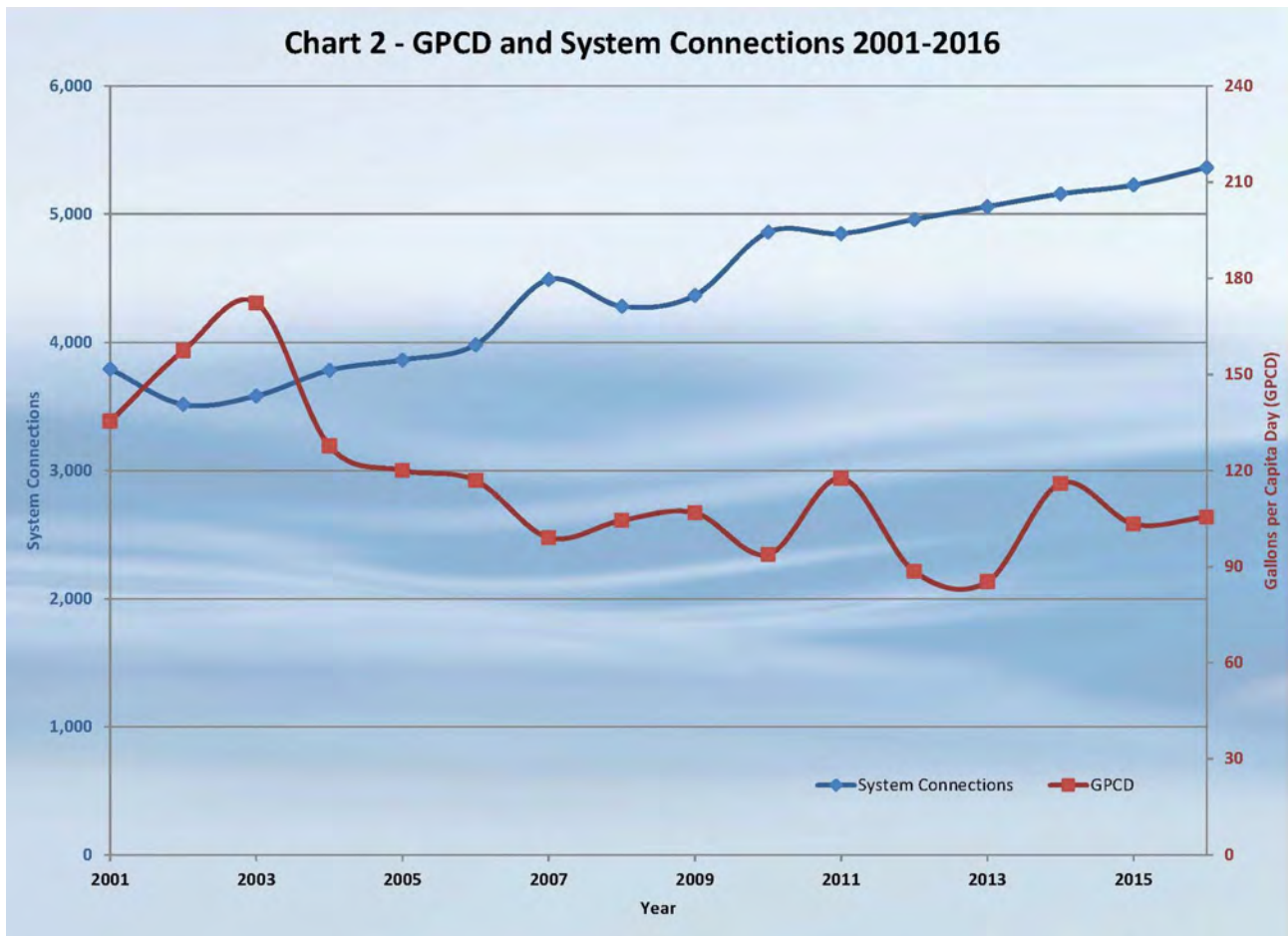


Calculated system losses have varied significantly, with a number of years showing gains (sales exceeding diversion). This variability is likely attributable to a combination of occasional purchase of water from an interconnected system (City of Las Cruces), aged meters and sales methodology (rounding). Over the past few years, Doña Ana MDWCA completed several projects that have improved accuracy and address the discrepancy between sales and diversion. More recent data indicates a system loss of 13.0% in 2015 and 5.1% in 2016.

1.3. Gallons per Capita per Day Analysis

1.3.1. Gallons per Capita per Day Analysis

Gallons per capita day (GCPD) analysis was completed using the NMOSE GCPD v2.05 spreadsheet tool for the Doña Ana MDWCA service area. The results of analysis using the NMOSE model for 2016 was an estimate of 111 GCPD based on total diverted volume and 106 GCPD based on consumption (metered sales). This analysis was based on a total of 5,500 connections and an estimate of 2.78 persons per household for a population of 15,302. The household size estimate is based on an average of the household sizes for Doña Ana, Radium Springs, Picacho Hills and Fairview Estates. A copy of the GCPD v2.04 Beta model output is included as Appendix C. As shown on Table A-2 in Appendix A and Chart 2 below, per capita use based on consumption has been relatively consistent since around 2005.



2. EXISTING AND FUTURE CONSERVATION EFFORTS

2.1. Existing Water Conservation Programs

2.1.1. Supply-Side Conservation Programs

In the original Doña Ana service area, Doña Ana MDWCA has developed an efficient water distribution system that has demonstrated water loss typical of a well-run municipal water system. Water loss calculations prior to 2015 are not reliable, principally due to a combination of occasional purchase of water from an interconnected system (City of Las Cruces), aged meters and sales methodology (rounding). Losses from 2016 were measured at a reasonable level of 5.1% and were not impacted by any of the prior factors (e.g. no water purchases, new meters have been installed, sales software has been upgraded, etc.). These losses are most likely kept reasonable as the result of extensive and rapid system repairs to reduce leakage.

Doña Ana MDWCA has a conservative rate schedule that promotes conservation and is a likely driver for the favorable consumption levels in the system. The fee schedule includes a monthly base charge that varies from \$17.70 per month for a 5/8-inch meter up to \$761.64 per month for a 6-inch meter. The fee schedule has the following progressively tiered fee schedule for usage:

- \$2.09 for every 1,000 gallons used between 0 and 4,999-gallons,
- \$2.78 for every 1,000-gallons used between 5,000 and 9,999-gallons,
- \$3.72 for every 1,000 gallons used between 10,000 and 19,999-gallons,
- \$4.96 for every 1,000-gallons used over 20,000-gallons.

All consumption is also subject to a conservation fee of \$0.03 per 1,000 gallons of use.

2.1.2. Demand-Side Conservation Programs

Specific water conservation programs, such as requirements for the installation of water conserving plumbing fixtures or financial incentives for water conserving plumbing fixtures, are either not feasible or not available to Doña Ana MDWCA because, as a mutual domestic, Doña Ana MDWCA lacks any legal authority to enact binding ordinances or similar legislative measures. Doña Ana MDWCA's only viable demand-side conservation measure is to adopt appropriate rate structures and encourage voluntary conservation. However, much of the new construction that is developed within the service area will incorporate conservation principles due to plumbing code enforcement by local and state agencies. Features such as Ultra-Low Flush Toilets (ULFTs) that use 1.6 gallons per flush or less and showerheads that use less than 2.5 gallons per minute (gpm) are common examples of modern residential construction. Likewise, most new construction incorporates the use of refrigerated air cooling units rather than the more traditional evaporative coolers, which by themselves can consume more than 12,000 gallons of water per year. By way of example, assuming that 70% of the connections within the current Doña Ana MDWCA system utilize evaporative coolers, nearly 35 MG of water per year (over 6% of the total Doña Ana MDWCA consumption) are lost each year to evaporation.

Ultimately, no demand-side conservation program will be successful without sufficient public education with targeted goals. These goals are somewhat complicated for a rural water system in an agricultural setting such as Doña Ana MDWCA since water can at times appear to be in abundance. However, certain key elements of an educational program have been presented as part of the New Mexico Lower Rio Grande Regional Water Plan produced by the Lower Rio Grande Water Users Organization (LRGWUO) in 2003. An updated New Mexico Lower Rio Grande Regional Water Plan was completed in March 2017. The first goal, awareness of the value and importance of water, has already become largely ubiquitous within the region. The second goal, emphasizing the limitation and the variability of precipitation from year to year is largely addressed by specifying drought conditions and conservation requirements on regular monthly billings. The second goal has also been well implemented with information on annual precipitation widely available and routinely discussed in the media. Regardless of the requirements and specific goals of an educational program, further public information regarding the limited water resources of the area should provide for continued conservative use.

2.1.3. Results from Implemented Programs

The data for the Doña Ana MDWCA service area shows that diversions have held steady and individual use has slowly declined over the past fifteen years. At such low usage rates, other variables such as precipitation, temperature, construction use and new housing has an increasingly more significant impact, somewhat obscuring relatively minor changes from conservation education.

2.2. Description of Future Water Conservation Programs

The need for, or at least the likelihood of, substantial positive results from further conservation efforts is questionable when comparing regional water per capita consumption to that of Doña Ana MDWCA members. In 2016, Doña Ana MDWCA members utilized 106 GPCD based on consumption (metered sales). Average daily use in the southwest varies from a low of below 100 GPCD up to 300 GPCD. Other water providers in Doña Ana County are reported to have a per capita water consumption ranging from approximately 97 to 131 GPCD (Chamberino, Anthony, and Las Cruces). However, the Association may want to consider some of the following ideas in the future to enhance and maintain the already austere water conservation ethic of its members.

2.2.1. Implementation Schedules (Short and Long-Term) of Planned Conservation Activities

Doña Ana MDWCA will be implementing a conservation plan that includes the following elements:

1. Improve water system efficiency by reducing losses due to leakage, line breaks, vandalism and theft.
 - a. Conduct source water metering replacement, testing and calibration
 - b. Implement a program to test, calibrate, repair & replace meters systematically
 - c. Implement automated sensors and telemetry
2. Reduce consumption by utilizing inclining block water rate structure.
 - a. Review water rate structure on an annual basis
3. Reduce demand by encouraging residential water conservation.
 - a. Regularly complete water system audits and GPCD analyses

- b. Regularly review water bills to ensure adequate and pertinent data is included regarding use
- c. Create informative water bill inserts
- d. Promote landscape and appliance efficiency

Since the City of Las Cruces has an established water conservation education program in area schools, Doña Ana MDWCA will not be implementing a school outreach program. The Association partners with the City of Las Cruces on educational outreach events including an annual Water Festival for grade school children. Ongoing member education, combined with the annual water fair, provide the most cost-effective avenue to educate large numbers of future Association members.

The Association has already made significant improvements to the water system, including the installation of new meters system-wide. The Association is also in the process of planning, designing and constructing improvements in the recently acquired Radium Springs, Fairview and Picacho Hills service areas. As part of this effort, the Association recently replaced all production meters and installed remote telemetry at each of the system wells. The Association will also develop a program for production meter testing, calibration and repair, as needed. Further, the Association will also begin completing annual audits of the system for using the AWWA and NMOSE tools to evaluate unaccounted for water and opportunities for continuous improvement.

The last action proposed to be taken during the first year of the Association's water conservation program includes developing water conservation information and education processes including reviewing the design of the water bill and creating conservation information as water bill inserts including information on promoting landscaping water efficiency.

The Doña Ana MDWCA Board of Directors reviews the existing rate structure on an annual basis. Part of this process is to ensure that the rate structure is adequately promoting water conservation.

Long term (five-year time frame) water conservation efforts will also include:

- Ongoing revisions of the water bill to provide informative information.
- Educational material will be placed in the Association office and inserted into water bills.
- Evaluate available telemetry to integrate with the existing SCADA system to monitor system pressures and flows to allow for faster response to leaks.
- Initiate a customer meter testing and calibration program to complement the existing replacement program.

Planned Water Conservation Activities					
Water Conservation Measure	Year 1	Year 2	Year 3	Year 4	Year 5
Source meter replacement, testing and calibration	Begin	Continue	Continue	Continue	Continue
Distribution meter testing & calibration	-	-	-	Begin	Continue
Annual review water rate structure	Continue	Continue	Continue	Continue	Continue
AWWA water 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 and appliance efficiency		Begin	Continue	Continue	Continue
Implement automated sensors and telemetry (SCADA)	-	-	-	Begin	Continue

2.2.2. Financing Methods of Implementing Future Water Conservation Programs

The need for financial support for future water conservation programs will center on what if any program(s) Doña Ana MDWCA elects to pursue.

Estimated Water Conservation Program Costs					
Water Conservation Measure	Year 1	Year 2	Year 3	Year 4	Year 5
Source meter testing and calibration	\$7,000	\$2,000	\$2,000	\$2,000	\$2,000
Distribution meter testing & calibration	-	-	-	\$4,000	\$2,000
Review water rate structure	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
AWWA water system audits and GPCD analyses	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Review water bills	\$2,000	\$2,000	-	-	-
Water bill inserts	\$2,000	\$1,000	\$1,000	\$1,000	\$1,000
Promote landscape efficiency	-	\$1,000	\$1,000	\$1,000	\$1,000
Implement automated sensors & telemetry (SCADA)	-	-	-	\$2,000	\$20K
Yearly Cost	\$14,000	\$9,000	\$7,000	\$13,000	\$29,000
Total Five-Year Program Cost	\$72,000				

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 funding is not 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. Most of the costs shown are labor costs necessary to implement the water conservation item.

2.2.3. Anticipated Results of Each Program

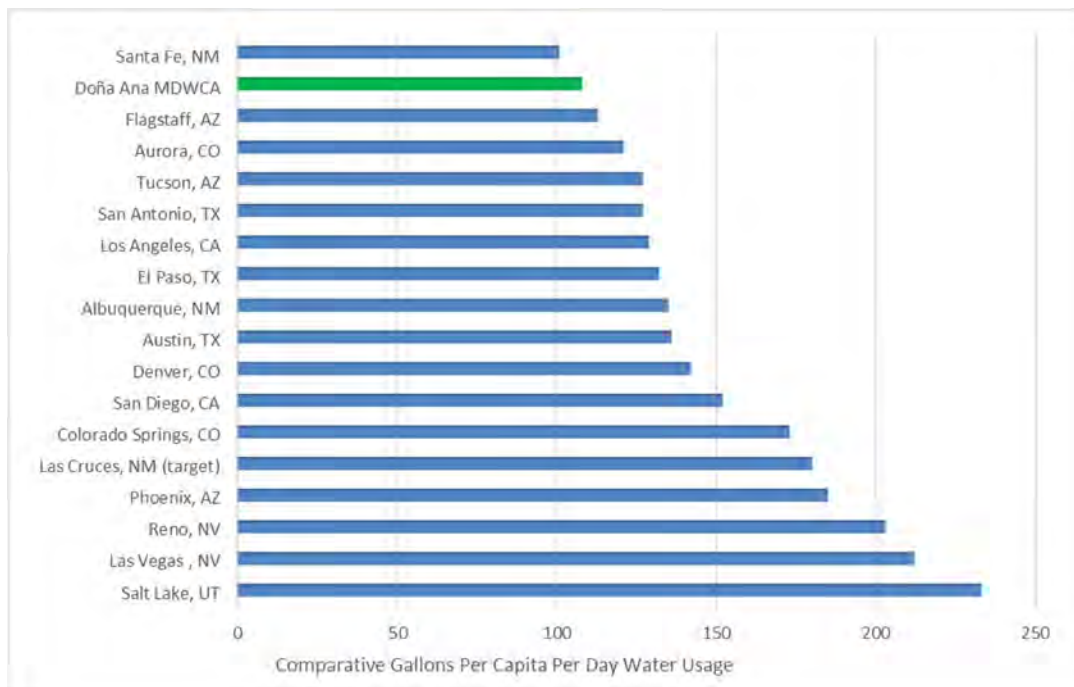
The 2016 baseline GPCD of 106 suggests that future water conservation efforts are unlikely to result in significant (>10%) additional reductions. Modest reductions of less than 10% are likely still possible due to ongoing education and community outreach by keeping the message of conservation in front of the members, which in turn will aid in sustaining the laudable members' GPCD. In addition, the 2016 unaccounted for water for the entire system is relatively modest at 5.1%.

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

- Quantify and maintain nonrevenue water to below 10% by 2025
- Maintain residential GPCD below 110 by 2025,
- Educate the public about water conservation, and
- Increase the water audit data validity score from 74 to 80 by 2025.

2.3. Future GPCD Projections

Goals for other regional communities 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 fee schedule changes, will likewise tend to influence the overall GPCD. With consideration of the current GPCD value of 106 GPCD based on consumption (metered sales), substantial reduction will likely not be possible. However, minor changes in behavior and continued implementation of a rate structure that stresses conservation should result in a long-term planning average of 100 GPCD. The present (2016) GPCD value of 106 for Doña Ana MDWCA ranks second in GPCD when compared to regional peer communities. Comparable GPCD data is shown below:



3. PROJECTED FUTURE POPULATION

3.1. Population Projections

Population projections for the Doña Ana MDWCA service area was evaluated using three separate approaches. For each of the service areas, growth rates were produced by evaluating:

- long-term historic growth of service connections,
- short-term growth of service connections, and
- historic population growth for all Doña Ana county.

3.1.1. Doña Ana MDWCA System Growth Projection

Historic Service Connections: An estimate of future growth was generated using the most recent fifteen years (2001-2015) of the actual Doña Ana MDWCA service area water system connections and a constant of 2.78 persons per household, based on the average of household size from the 2010 census for the Doña Ana, Fairview, Picacho Hills and Radium Springs service areas. Graphically evaluating data from these years using trend line analysis results in the following best-fit linear equation for growth:

$$y = 324.54 * x - 638,971$$

Where x is the plan year and y is the corresponding projected population

This linear growth projection results in an estimate of 10,174 connections (population of 28,283) in 2056. This estimate is the mid-range growth rate estimation for the Doña Ana service area.

Recent Service Connections: An estimate of future growth was generated using more verifiable records of the actual Doña Ana MDWCA service area water system connections growth since September 2015 and a constant of 2.78 persons per household. Graphically evaluating data from these years using trend line analysis results in the following best-fit linear equation for growth:

$$y = 194.76 * x - 377,334$$

Where x is the plan year and y is the corresponding projected population

This linear growth projection results in an estimate of 8,307 connections (population of 23,093) in 2056. This estimate is the low-range growth rate estimation for the Doña Ana service area.

County-Wide Census Data: 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. Using the number of connections in 2016 (5,500) and a 1.82% compounding growth rate, the Doña Ana service area would serve 11,316 connections or 31,458 people in 2056. This estimate is the high-range growth rate estimation for the Doña Ana MDWCA service area.

The compounding growth method based on historic county growth rates produces the high-range projection (31,458 in 2056.) This method was selected because it is based upon county-wide data

and is the conservative high-range estimate. The projection has also been normalized at the start of the planning period (2016) to match the exact number of current connections.

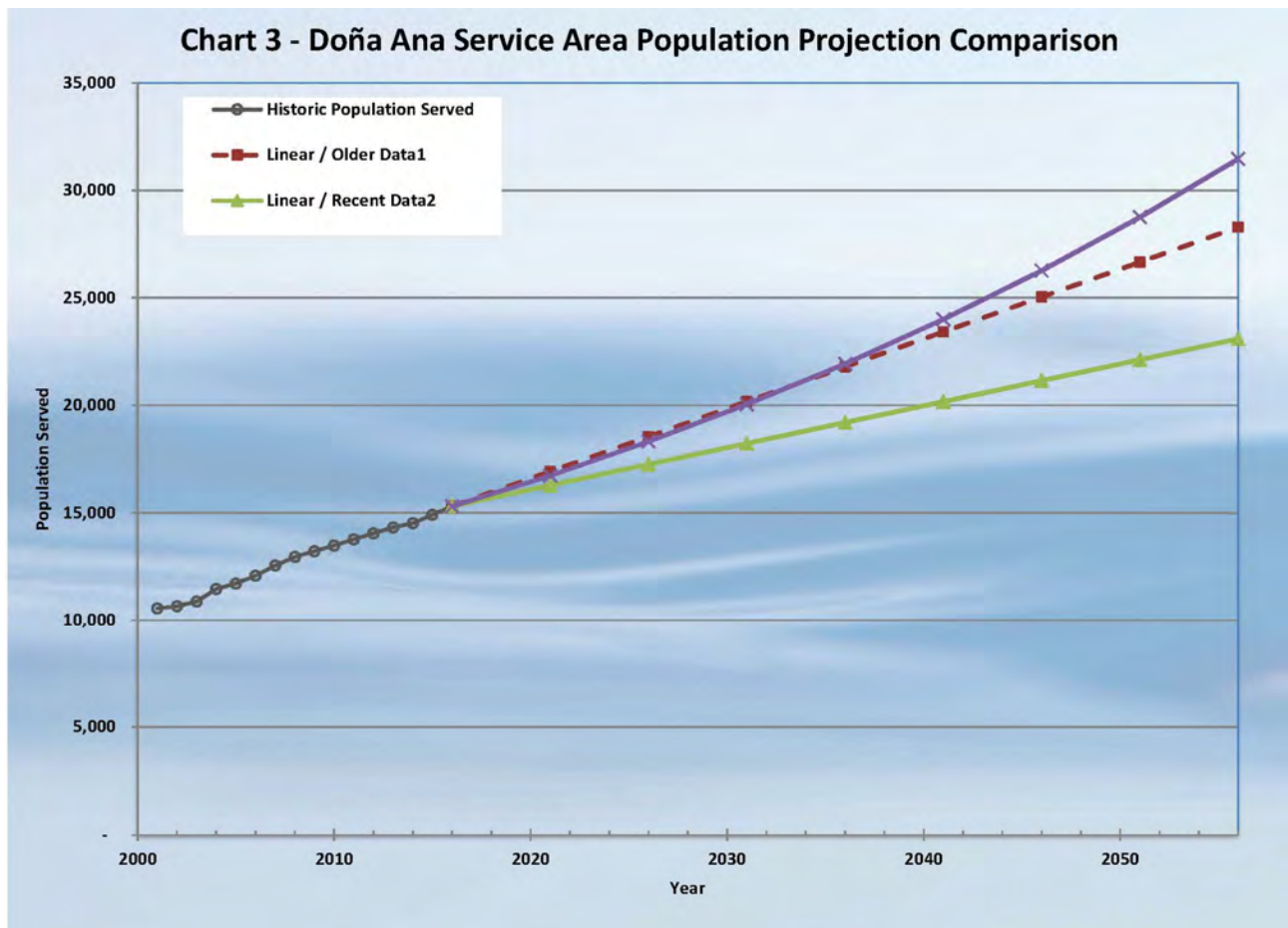
3.2. Statement of Future Population

3.2.1. Doña Ana MDWCA Service Area Statement of Future Population

The current population, predicted growth rate, 2056 projected connections and population for the service area is summarized below.

Service Area	2016 Population	Growth Rate	2056	
			Connections	Population
Combined System	15,302	1.82%	11,316	31,458

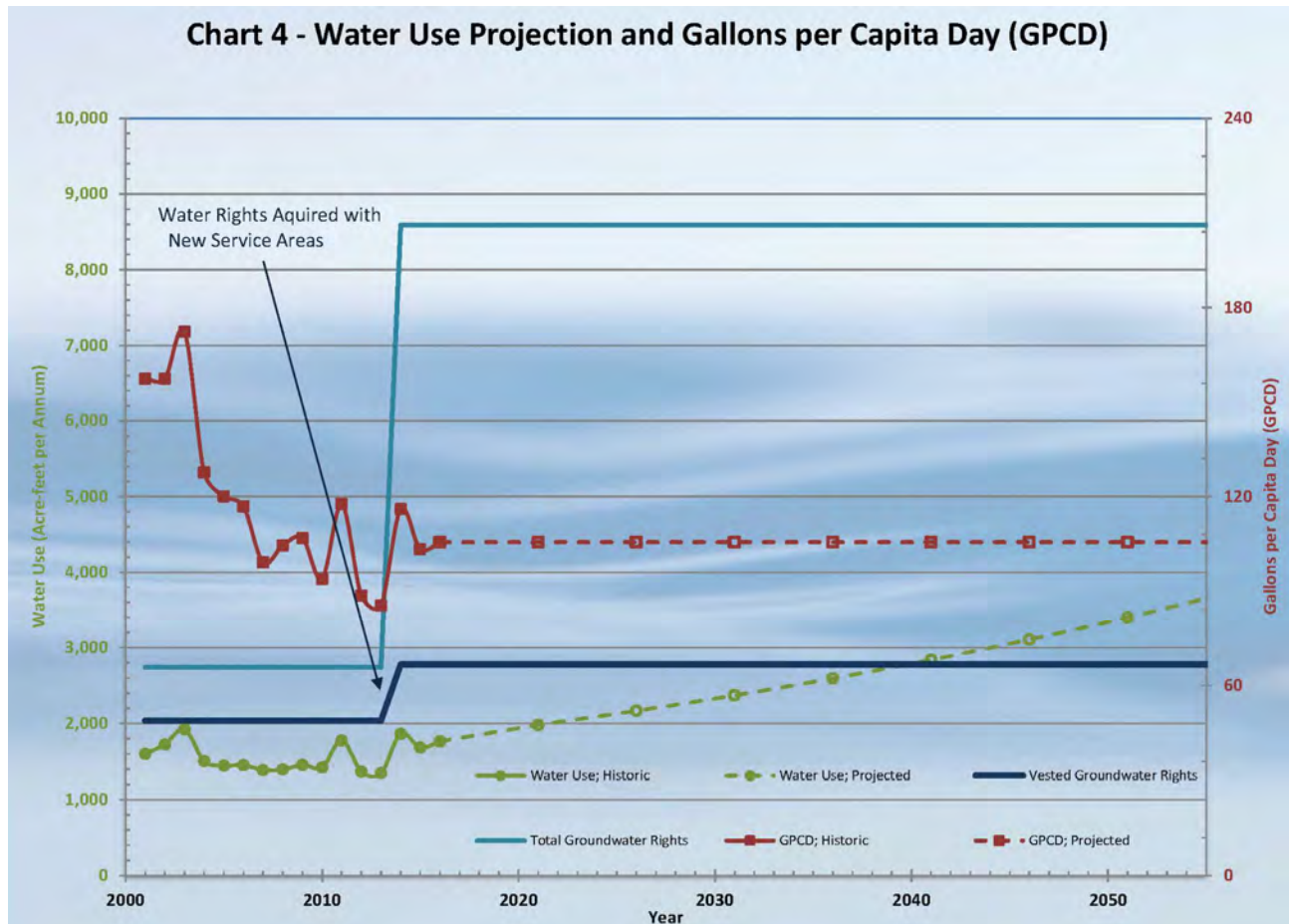
Growth curves representative of all three projection methods are presented in Chart 3; and Table A-3 in Appendix A. As a representative mid-range projection, the compounding growth projection based on historic county growth was utilized for the purposes of this planning document. This methodology yields a population of 18,312 (6,587 connections) in 2026, 21,932 (7,889 connections) in 2036, 26,266 (9,448 connections) in 2046 and 31,458 (11,316 connections) in 2056.



4. STATEMENT OF ANTICIPATED DEMAND

4.1. Calculation of Future Demand

Assuming a constant future usage rate of 106 GPCD and using the population projections discussed under Section 3.2 of this report, future water demand is anticipated to be 2,166 acre-feet per annum (AFPA) in 2026, 2,594 AFPA in 2036, 3,106 AFPA in 2046 and 3,720 AFPA in 2056. These values are presented in Table A-4 in Appendix A and are depicted versus GPCD and available water rights in Chart 4.



4.1.1. Mandates Requiring Developers to Obtain Water Rights for Development

All new residential connections made to the Doña Ana MDWCA system require a minimum \$2,750 connection fee, which includes \$1,750 attributable to the purchase of additional water rights. This water rights fund is set aside and used to acquire new adjudicated water rights as they become available on the local market.

4.2. Demonstration that Absence of Water is a Limitation on Growth

With respect to the projected growth within the existing Doña Ana MDWCA service area, additional water rights must be secured over the next 15 years to be prepared for the second half of the planning period. Because of the location of the Doña Ana MDWCA system in the upper end of the Mesilla Bolson, availability of actual “wet” water will be limited during the planning period due to continuing drought with limited recharge from the Rio Grande and pumping for agriculture.

Present *total* water demand includes domestic requirements supplied predominantly by Doña Ana MDWCA and agricultural requirements supplied by a combination of surface water obtained through the Elephant Butte Irrigation District (EBID) and private groundwater diversion. The rural nature of the area is reflected by significant irrigated cropland within the project area. Principal crops include pecans and alfalfa; additional crops also include onions, cabbage, corn, cotton and chile peppers. Typical annual water demand for pecans is approximately 6.0 feet per acre and for alfalfa it is approximately 5.0 feet per acre. Annual water use for the remaining crops (assuming a fall and spring crop planting) is approximately 4.0 feet per acre. In comparison, assuming a 10-acre average rural lot size, a residential population of 2.78 persons per household and 106 GPCD, residential use will result in a water demand of approximately 0.03 feet per acre, which is about one-hundredth of the crop demand.

5. DISCUSSION OF WATER AVAILABILITY

5.1. Water Rights Information

Doña Ana MDWCA currently owns or is otherwise perfecting ownership of 5,812.776 per annum acre-feet of groundwater water rights shown in Table A-5 in Appendix A. Of these water rights, 2,777.836 acre-feet have been vested. In addition to these groundwater rights, Doña Ana MDWCA currently owns 155.978 acres of surface water rights shown in Table A-6 in Appendix A. These surface water rights are under the jurisdiction of EBID and represent 467.934 acre-feet assuming a full seasonal allocation of three feet per irrigable acre. Several recent allocations, due to drought conditions, have been notably less than three feet, and historically several allocations have been less than one foot. The lesser allocation would result in a corresponding reduction of available surface water and a greater reliance upon groundwater rights.

If the 467.934 acre-feet of surface water rights could be converted to groundwater rights an offset would have to be applied. This offset could reduce the surface water rights.

Chart 4 identifies that circa year 2039 all vested groundwater rights currently owned by Doña Ana MDWCA will be fully utilized. The currently held EBID surface water rights may extend the sustainable window. A summary of documents pertaining to groundwater and surface water rights held by Doña Ana MDWCA is provided as Appendix D.

5.1.1. Availability of Additional Water Rights

The scarcity of water rights within the Lower Rio Grande area has caused prices for water rights to increase over the past decades. The value is higher for those rights that have proven beneficial use and early priority (as compared to those that are purely claimed rights and/or have a more recent priority date). Doña Ana MDWCA is acutely aware of the need to proactively acquire additional adjudicated water rights and hence has established a specific fund for this purpose. As water rights are identified as potential strategic acquisition targets negotiations are undertaken to establish a fair market value.

5.1.2. Effect on Tribal, Pueblo and Native Water Right Interests

Doña Ana MDWCA is located a minimum of 30 miles from any existing known tribal, pueblo or native water right interests. Hence, no effect is anticipated from use of water by Doña Ana MDWCA during the planning period of this report.

5.2. Hydrology Information

5.2.1. Surface Water Availability Analysis

The only notable source of surface water in the area is the Rio Grande; however, it is now common for this river to record zero flow in the Doña Ana reach outside of the irrigation season. During the summer months, water is released from the upriver Caballo and Elephant Butte dams and distributed to agricultural users through a series of canals and laterals. Without a surface water treatment plant, Doña Ana MDWCA is not able to utilize surface water rights. However, the lack of consistently

available surface water limits the economic practicality of building and operating a surface water treatment plant at this time. Doña Ana MDWCA has no current plans to build a surface water treatment plant.

5.2.2. Groundwater Availability Analysis

According to Transboundary Aquifers of the El Paso/Ciudad Juarez/Las Cruces Region (1997), the Doña Ana MDWCA service area and well field lies predominantly in the Rio Grande Floodplain Alluvium and the Mesilla Bolson of the Mesilla Basin groundwater aquifer system. The Mesilla Basin is bounded locally by the Robledo Mountains to the west, Fort Selden Canyon to the north and the Doña Ana Mountains to the east. The primary sources of recharge for the basin are seepage from the Rio Grande and infiltration from irrigation, of which approximately 1/3 is credited as resulting in aquifer recharge. An additional small amount of recharge is provided by occasional surface flow through arroyos.

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 for groundwater into the system.

The Mesilla Bolson is generally comprised of sediments from the Santa Fe Group, including sequences of clay and silt interfingering with fluvial facies. The depth to the water producing facies varies significantly from 280 feet in the northern reaches to over 2,000 feet towards the center of the Bolson. Conductivity, depending on the zone encountered, ranges from 2 to 100 ft/day and transmissivity ranges from 2,600 to over 6,000 feet²/day. Quality is generally considered very good (<300 total dissolved solids), although some degradation of the deeper portions of the aquifer is occurring, possibly due to groundwater pumping activities, and elevated levels of some naturally occurring contaminants such as radionuclides and arsenic are known to exist. The total volume of water within the main body of the Mesilla Bolson is estimated to be approximately 66 million acre-feet. However, only 13-14 million acre-feet may be available for potable use.

To meet anticipated customer base growth Doña Ana MDWCA will likely be required to drill and install additional water production wells. With the continued groundwater exploitation, water quality issues such as excessive TDS, uranium, radium, nitrate and/or arsenic are likely to be encountered. The extent of withdrawal from the aquifer is likely to influence the degree of water quality degradation. O&M costs will likely increase as the groundwater table continues or accelerates its decline, now averaging more than one foot per year in the shallow aquifer within the City of Las Cruces.

5.2.3. Return Flow Planning/Reuse Availability

Doña Ana

At the present time, wastewater from a portion of the unincorporated village of Doña Ana is collected via a gravity wastewater system and conveyed via a pressure transmission line to the northern boundary of the City of Las Cruces. From there the wastewater travels via gravity to the City of Las Cruces' Jacob Hands wastewater treatment plant. Doña Ana MDWCA currently has an agreement with the City of Las Cruces to receive return flow credits associated with wastewater generated from within the Association's service area. Presently, there are approximately 900 homes with wastewater connections to the City of Las Cruces system. Current return flow credits are 0.2 acre-feet/household, although the amount of any realized credit will likely to be subject to offsets to be determined by NMOSE. At this time, the method to provide Doña Ana MDWCA return flow credits has not been formalized. A copy of this agreement has been included as Appendix E. Further expansion of wastewater collection will be treated in a like manner until such times as economic or political conditions exist that would support a separate treatment plant or reclamation facility.

Fairview

Wastewater in the Fairview service area is treated in on-site systems (septic tanks) and is not collected by Doña Ana MDWCA. Collection of wastewater in this area is not anticipated in the near future.

Picacho Hills

Wastewater from the Picacho Hills service area is collected via a gravity wastewater system and conveyed to the Picacho Hills wastewater treatment plant owned and operated by Doña Ana MDWCA. The Association transfers treated effluent from the plant to the adjacent Picacho Hills Country Club golf course for irrigation reuse.

Radium Springs

Wastewater in the Radium Springs service area is treated in on-site systems (septic tanks) and is not collected by Doña Ana MDWCA. Collection of wastewater in this area is not anticipated in the near future.

6. PROPOSED PLANNING PERIOD

6.1. *Planning Period Generally Used by the Applicant*

The planning period used by Doña Ana MDWCA is entirely dependent upon the audience and the report being developed. Some planning periods, such as those for funding requests, are relatively near term and reflect 5-10-year periods. Mid-term planning periods of 20 years are typically used for engineering studies such as facility plans and Preliminary Engineering Reports (PERs).

6.2. *Extent of Public input in Applicant's planning process*

The draft 40-Year Water Plan was presented at the August 3, 2017 Board of Directors regular meeting to gather input from the Doña Ana MDWCA Board and staff members. The presentation focused on the results of consumption calculations, population projections and general approach to addressing concepts of the 40-Year Water Plan.

6.2.1. Adoption of 40-Year Water Plan

The Board of Doña Ana MDWCA approved a resolution adopting this 40-Year Water Plan document at their meeting on November 2, 2017. A copy of this resolution is included in Appendix F.

6.2.2. Discussion of Regional Water Planning

Several documents are available discussing regional water planning efforts. An updated New Mexico Lower Rio Grande Regional Water Plan was completed in March 2017 by NMOSE and is available for review.

Vision 2040, a regional planning project document developed as a cooperative effort of Doña Ana County, the City of Las Cruces and other local public partners, has characterized the unincorporated village of Doña Ana as a "Rural Center with Growth", and the balance of the Doña Ana service area to the west, east and north as an "Agricultural Corridor." The area to the south of the existing Doña Ana service area is characterized as "Existing Urban" with growth, as it encompasses the City of Las Cruces. The Fairview and Radium Springs service areas are characterized as "Rural Subdivisions," while the Picacho Hills service area is characterized as "Suburban."

According to Vision 2040, a Rural Center is described as follows:

"Rural Growth Areas are not expected to grow as quickly or become as dense as others. They include the historic communities of Radium Springs, the Town of Mesilla, and Doña Ana Village. Mixed-use centers may extend only for a couple of blocks. Mixed-use buildings should have one floor of commercial and one floor of residential space. Rural residential developments with an average density of one unit per acre surround these areas. The Growth Area itself should be less dense than all the other Growth Areas to protect agriculture. The future populations in these Growth Areas range between 5,000 and 10,000 each."

This definition is somewhat broad and does not fully characterize prior growth patterns around the Village of Doña Ana, nor the Census information used in preparing the growth projection of the Vision 2040 plan.

Vision 2040 describes “Rural Subdivisions” as follows:

These communities are very low density and mostly single family housing with the occasional mobile home park. They may have some neighborhood institutions like churches or schools, but there is no center to the community, like the plazas of the historic town sites. Some commercial uses exist, usually in the form of small strip centers or standalone stores or gas stations. Frequently these communities developed on the more arid mesa, and except for Radium Springs, and some of the historic Villages with subdivision extensions, few were located adjacent to farmland.

The “Subdivision” place type is described in Vision 2040 as follows:

The quintessential pattern of growth driven by local and federal policies from the 1940’s through today. Suburban Place Types include housing in single type and intensity. Businesses and commercial activity assembles into strip shopping centers, requiring cars for access.

6.3. Statement of Planning Period Used in this Application

For the purposes of this document, the planning period will be 40 years.

6.4. Basis for Holding Unused Water Rights

Doña Ana MDWCA provides a safe and reliable supply of potable water to over five thousand households. Many of these consumers represent low income and/or minority groups, and the overall service area includes several colonias areas representing historically disadvantaged residents with inadequate community infrastructure. Retention of the existing water rights would allow available funds to be focused on improved infrastructure rather than future water rights acquisitions.

In addition, Doña Ana MDWCA customers have demonstrated a consistently low GPCD usage rate for several consecutive years. Efforts to maintain and possibly further this conservative use are best managed through an established water system such as Doña Ana MDWCA.

6.5. Basis for Planning Period

Planning periods need to provide sufficient forward consideration to allow for the unforeseen in a community’s future. Planning windows of less than 20 years can significantly over or under predict growth and consumption trends in our dynamic socio-economic environment. Longer planning periods allow for the absorption of short cyclic growth trends, which viewed in a limited time window, might result in over reaction, and inadvertently, speculation-based decisions. With respect to these concepts, Doña Ana MDWCA is qualified under Section 72-1-9, New Mexico Statutes Annotated 1976, to plan water rights acquisitions and to hold water rights and “preservation of a ... water supply” for 40 years.

Further, reviewing water plans for neighboring communities indicates that most use a 40-year period to look forward. This multi-generational time span provides sufficient time to assess needs, avoid reactionary decisions and provide adequate time for acquisition of additional water supplies, if needed. Longer periods require broad trend estimations, hence becoming an unreliable forecaster of actual demands.

6.6. *Ability to Obtain Other Sources of Water in the Future*

As discussed in previous portions of this 40-Year Water Plan, Doña Ana MDWCA is pursuing other water rights and physical sources of water in a concerted and planned manner. This effort begins with a fund established explicitly for the purchase of additional water rights as new connections are established, and continues with requirements for developers to obtain and provide adequate water rights for their planned units. Doña Ana MDWCA possesses both the financial management skill and technical abilities to develop and manage both facilities, which together represent additional future water resources for the region.

7. APPLICATION IS NON-SPECULATIVE

7.1. Ability to Physically Store, Divert or Otherwise put Water to Beneficial Use

As noted elsewhere in this document, Doña Ana MDWCA currently has the physical capability of diverting its entire existing groundwater rights from its current supply wells. This entire volume can be stored and distributed using the existing system infrastructure, although certain elements of the system should be improved to increase efficiency, which is why the Association is pursuing a variety of upgrades.

The majority of Doña Ana MDWCA's physical water resources are groundwater based, supplemented with surface water rights. This helps alleviate the costly expense of providing physical storage facilities as the groundwater is in a natural reservoir.

7.2. Specific Project or Plan for Beneficial Use

Doña Ana MDWCA has experienced a relative stable growth curve for the past several years. The current service area is well established and includes many large tracts of land used for agriculture. Several of these are no longer being regularly cultivated and some have already been subdivided for eventual residential development. Existing subdivisions that have not yet been fully developed within the Association's service area include (but are not limited to) Grey Fox, Rancho del Gallo, Legends West, Zia Shadows, Paseo de Oro and Picacho Mountain Development. In total, these existing subdivisions alone represent in excess of 2,500 undeveloped residential lots, which is equivalent to over five years of projected system growth or 30% of the currently remaining water right owned by Doña Ana MDWCA (but not yet put to beneficial use).

Expanding upon the concept of in-filled growth utilizing existing water rights, the 2000 Census data suggested a service area population of approximately 14,000 people compared to the connected population of 8,300 (about 60% of available population served). Considering a similar ratio for year 2015 in the Doña Ana and Radium Springs services areas (all residents in Fairview and Picacho Hills are connected) suggests the population could grow by approximately 3,960 from existing homes. This is a population nearly sufficient to utilize the 80% of Doña Ana MDWCA's remaining groundwater rights.

Lastly, while the present national economic situation would suggest slow residential growth broadly within the country, the fact remains that the population is increasing, particularly in the border regions. The Doña Ana MDWCA service area straddles the northern and western boundaries of the City of Las Cruces and the notably more rural northern Mesilla Valley. This area provides opportunities for industrial and agricultural job growth as well as low income housing, making it an ideal location for regionally significant growth. Future regional growth is likely to be associated with border logistics and manufacturing, aerospace and agriculture. In addition, the Spaceport America facility, when operational, will require significant personnel infrastructure and Doña Ana (and Fort Selden) are ideally located to capitalize on this growth.

7.3. Specific Requirements for Non-Municipal Entities

7.3.1. Legal Interest in Lands to be Served

Doña Ana MDWCA has a service area in excess of 90 square miles shown on Figure 1. Previous disputes over this service area resulted in the service area being contested via lawsuit with the City of Las Cruces and the neighboring Moongate water system. All service area-related lawsuits have now been settled resulting in a well-defined service area.

In addition, by virtue of an existing loan through the United States Department of Agriculture (USDA), Doña Ana MDWCA is provided protection of their service area under Title 7, United States Code, §1926(b). This code is a United States statute which grants federally indebted rural water districts/associations the “absolute” right to be the exclusive seller of water within their “service area”. To qualify for this federal protection, the water district must satisfy two (2) primary requirements: (1) show indebtedness to the federal government or to some entity which purchased the district’s federal loan, (2) demonstrate that water service has been “made available” by the district.

7.3.2. Actual Customer(s) and Documents of Intent from Customers

As noted above in Section 7.2, several existing subdivisions have already been platted but have not yet been fully developed within the Association’s service area. These subdivisions represent more than 2,500 undeveloped residential lots. Although connections have not yet been established for these undeveloped lots, their anticipated usages have successfully been incorporated into the Doña Ana MDWCA diversion, storage and distribution model.

7.4. Legal, Administrative and Licensing for Projects

The variety of projects proposed by Doña Ana MDWCA is broad reaching and includes new and improved distribution, new and improved storage, new supply wells, and development of a wastewater collection system. Because of the broad nature of these projects, a correspondingly wide variety of permits will be necessary.

The first step for many of these projects is the development of a PER; PERs have already been completed for virtually all the aforementioned projects. All projects that utilize federal funding then also require compliance with the National Environmental Policy Act (NEPA). NEPA documentation, including habitat surveys, cultural resources surveys and public participation has been documented and submitted to NMED for review and generation of a Finding of No Significant Impact (FONSI).

For projects that involve right-of-way from Doña Ana County, the New Mexico Department of Transportation (NMDOT) or the City of Las Cruces additional permits also must be obtained. With regard to right-of-way owned by EBID, Doña Ana MDWCA is currently in the early stages of negotiation to simplify/expedite permitting. For projects currently in construction, these parties have been contacted and the appropriate permits have been issued. For projects involving private property not owned by Doña Ana MDWCA, easements have been and will continue to be obtained.

Doña Ana MDWCA consistently uses the support services of qualified and/or licensed professionals for engineering, environmental and surveying services. In addition, Doña Ana MDWCA consults with legal counsel to proactively evaluate the appropriateness of actions and the need for permits. Finally, Doña Ana MDWCA employs licensed water and wastewater system operators consistent with the level of treatment and distribution systems being planned at this time.

7.5. Financial Capability for Services

Doña Ana MDWCA has demonstrated abilities to obtain and manage funding for water and wastewater infrastructure projects, having received grants and loans from a variety of state and federal sources over the past decade. Sources of external funding utilized by Doña Ana MDWCA include USDA Rural Development, NMED, New Mexico Finance Authority (NMFA), New Mexico Water Trust Board (WTB), New Mexico Governor's Colonias Funding, Border Environment Cooperation Commission (BECC) grants and United States Environmental Protection Agency (EPA) State and Tribal Assistance Grants (STAG).

As an established entity for over forty years, Doña Ana MDWCA also maintains adequate reserve funds for equipment purchases necessary for regular system operation. These funds can be and have been accessed for routine issues such as pump replacement and repairs to pipelines, and for specific improvement projects.

Finally, Doña Ana MDWCA has established a public/private partnership program that requires new developers to bear the financial burden of system expanding improvements. This innovative approach enables Doña Ana MDWCA to work with developers to not only provide the minimum allowable infrastructure to support the new customers, but also allows for build-out of system components specified in the Association's long-term plans to be cost recovered by developers. In this manner, Doña Ana MDWCA has been able to install larger diameter transmission lines and wastewater collection systems that will meet future system needs rather than installing minimum-sized infrastructure with short-term obsolescence.

7.5.1. Anticipated Financial Needs Timeline

As noted earlier, the Doña Ana MDWCA system is presently capable of managing all current groundwater rights owned (or currently in negotiation); hence, there is no immediate need for improvements to exercise the groundwater rights. However, Doña Ana MDWCA is currently in various stages of development and/or implementation of several significant system improvements that will enhance management of these rights for their consumers. A general summary of several of these projects is provided below:

Project	Financial Need	Period of Need
<i>Southeast Wastewater Collection System</i>	\$14,800,000	2018-2023
<i>Picacho Hills Arroyo Sewerline Improvements</i>	\$350,000	2019
<i>Forcemain & Lift Station Improvements</i>	\$920,000	2017
<i>Westwind Water Distribution System Improvements</i>	\$850,000	2019
<i>South Doña Ana Road Water System Improvements</i>	\$950,000	2019
<i>Barela Loop Water System Improvements</i>	\$829,000	2019
<i>Riverwalk Water System Improvements</i>	\$525,000	2019

7.5.2. Methods of Finance for Projects throughout Timelines

Of those projects listed above, many already have funding associated with them. In some cases, this funding is sufficient while in others it will need to be augmented by additional sources. A listing of projects respective of current or likely funding sources is provided below:

Project	Anticipated Source(s) of Funding
<i>Fairview Water System Improvements – Phase II</i>	<i>Colonias Infrastructure Fund</i>
<i>Radium Springs Water System Improvements</i>	<i>Colonias Infrastructure Fund, USDA</i>
<i>Southeast Wastewater Collection System</i>	<i>Colonias Infrastructure Fund, USDA</i>
<i>District 5 Wastewater Treatment Plant Improvements</i>	<i>NMED Rural Infrastructure Program</i>
<i>Via Norte Waterline Improvements</i>	<i>NMED Rural Infrastructure Program</i>
<i>Picacho Hills Arroyo Sewerline Improvements</i>	<i>NMED Rural Infrastructure Program, Colonias Infrastructure Fund</i>
<i>Forcemain & Lift Station Improvements</i>	<i>NMED Rural Infrastructure Program, Colonias Infrastructure Fund</i>
<i>Westwind Water Distribution System Improvements</i>	<i>NMED Rural Infrastructure Program, Colonias Infrastructure Fund</i>
<i>South Doña Ana Road Water System Improvements</i>	<i>NMED Rural Infrastructure Program, Colonias Infrastructure Fund</i>
<i>Barela Loop Water System Improvements</i>	<i>NMED Rural Infrastructure Program, Colonias Infrastructure Fund</i>
<i>Riverwalk Water System Improvements</i>	<i>NMED Rural Infrastructure Program, Colonias Infrastructure Fund</i>

7.6. Planning, Design and Infrastructure for Proposed Projects

With specific regard to the water needs of the Association, Doña Ana MDWCA already has the physical capability of diverting, storing and distributing all future water rights owned or in negotiation within its existing system for the duration of the planning period.

However, as noted earlier in this document, PERs have been developed that identify many water and wastewater initiatives to be undertaken by Doña Ana MDWCA during a portion of the next 40 years. These projects focus on improved capabilities, source and distribution redundancy, conservation and service. Two of the largest of these projects are described in further detail below:

- The Southeast Collection System design is complete and a funding application is pending with USDA. Funding for the first phase of the collection system was awarded from the Colonias Infrastructure Fund. This project provides the vacuum and gravity sewer collection system to the first portion of the expansion of the Doña Ana service area outside of the village.
- The Forcemain Project design is complete, NMED approval was granted and the project is presently in construction . This project provides the transmission main backbone for future sewer collection systems bringing future Doña Ana Village sewer connections to the City of Las Cruces' collection and treatment system.

8. APPLICATION IMPLEMENTATION

8.1. Proposed Timeframe for Demonstrating Beneficial Use

Doña Ana MDWCA has proactively managed system construction to correspond and even anticipate the growth requirements of the system. As noted, the current diversion, storage and distribution system capacity is capable of fully handling the water rights currently held (and in negotiation). Projections of population and use presented in Sections 3 and 4 of this Plan suggest that all groundwater rights will be utilized circa 2039. Given the exceptions of those conditions described below in Section 8.2, this is the timeframe proposed for demonstrating beneficial use.

8.2. Reasonable Diligence

8.2.1. Consistent Effort to Complete Appropriation in a Timely Manner

Doña Ana MDWCA is actively engaged in project development and funding consistent with the practices outlined in the 40-Year Water Plan. The current level of activity and development within the system is the demonstrated result of progress towards the goal of effective beneficial use of existing (and future) water rights. Doña Ana MDWCA will continue towards higher levels of achievement as budget allows, as funding is acquired and as prudent with respect to conservation of water resources.

8.2.2. Matters Out of the Control of the Applicant

While all present indications are for continued progress towards full utilization of existing water rights in the immediately foreseeable future, several factors may arise that impact Doña Ana MDWCA's ability to proceed in strict accordance with the anticipated timelines. The most significant of these are economics and funding availability and short-term climate variation (excessive heat and drought).

As noted earlier in the Plan, sufficient infrastructure presently exists to allow full utilization of the existing water rights. However, extensions of the system to reach customers within the service area (but outside of the reach of existing distribution) may prove economically non-viable without alternate funding sources. Similarly, since Doña Ana MDWCA (at this time) lacks the ability to enforce connection to the existing system; potential water users even within the existing distribution system may choose not to connect.

8.2.3. Updates to NMOSE

Doña Ana MDWCA will provide updates to NMOSE as may be requested from time to time to demonstrate "reasonable diligence" toward the goals established in this 40-Year Water Plan.

8.3. Identification of completion of project milestones

Because the Doña Ana MDWCA system is capable of diversion, storage and distribution of all existing groundwater rights, no project milestones are required. However, several projects are in progress to better manage water with respect to anticipated consumer needs. Many of these projects, such as the District 5 Water System Improvements Project, Phases I and II of the Fairview Water System

Improvements Project and the Radium Springs Water System Improvements Project are currently either in construction or likely to be in construction within the next 6-18 months-

9. CONCLUSIONS

The Doña Ana MDWCA system shows acceptable losses (5.1% in 2016) and a consistently low GPCD usage rate. At the same time, system growth by virtue of population increases and connection of existing residences within the service area are driving an overall increase in water usage. The combination of these factors suggests that all groundwater rights presently owned by Doña Ana MDWCA will be utilized by 2039. In response, the Association has devoted a substantial portion of each new connection fee to the purchase of additional water rights.

The current Doña Ana MDWCA system can adequately accommodate full utilization of its existing groundwater rights. Additional infrastructure currently being planned, designed and/or constructed will further enhance the utilization of these groundwater rights primarily through improved storage and distribution.

9.1 Certification

The undersigned acknowledges personal familiarity with the information contained in this report.



Marty Howell, P.E.
Senior Engineer

10. REFERENCES

Peter J. Smith & Company, Inc. 2010, Comprehensive Plan for the City of Las Cruces.

Peter J. Smith & Company, Inc. 2010, Comprehensive Plan for Doña Ana County.

Peter J. Smith & Company, Inc. 2010, Vision 2040: Regional Planning Project for Doña Ana County and the City of Las Cruces.

Terracon, John Shomaker & Associates, Inc., Livingston Associates, LLC, Inc., Zia Engineering and Environmental, Inc. and Sites Southwest, 2004, New Mexico Lower Rio Grande Regional Water Plan: consultants report for the Lower Rio Grande Water Users Organization.

Texas Water Development Board and New Mexico Water Resources Research Institute, 1997, Transboundary Aquifers of the El Paso/Ciudad Juarez/Las Cruces Region.

United States Department of Commerce, 1980, 1990, 2000 Census Data.

Appendix A Tables



Table A-1- Doña Ana MDWCA Water Diversion, Sales and Gain/(Loss)

Total Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)	604,952,543	505,362,070	503,321,100	475,384,590	520,314,190	497,741,960	448,745,910	455,749,970	491,763,222	489,537,299	556,103,938	389,221,306	382,456,929	595,409,910	629,810,230	605,378,415
	(ac-ft)	1,857	1,551	1,545	1,459	1,597	1,528	1,377	1,399	1,509	1,502	1,707	1,194	1,174	1,827	1,933	1,858
Sales	(gallons)	521,213,224	561,536,832	626,620,562	490,238,797	470,744,236	472,427,603	451,587,660	453,883,144	473,453,531	462,807,375	578,566,581	445,806,178	438,348,926	607,223,736	548,247,744	574,615,025
	(ac-ft)	1,600	1,723	1,923	1,504	1,445	1,450	1,386	1,393	1,453	1,420	1,776	1,368	1,345	1,863	1,683	1,763
"Gain"/(Loss)	(gallons)	-83,739,319	56,174,762	123,299,462	14,854,207	-49,569,954	-25,314,357	2,841,750	-1,866,826	-18,309,691	-26,729,924	22,462,643	56,584,872	55,891,997	11,813,826	-81,562,486	-30,763,390
Unaccounted Water	(%)	-13.8%	n/a	n/a	n/a	-9.5%	-5.1%	n/a	-0.4%	-3.7%	-5.5%	n/a	n/a	n/a	n/a	-13.0%	-5.1%

Dona Aña Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)	604,952,543	505,362,070	503,321,100	475,384,590	520,314,190	497,741,960	448,745,910	455,749,970	491,763,222	489,537,299	556,103,938	389,221,306	382,456,929	425,154,373	471,860,747	435,665,036
	(ac-ft)	1,857	1,551	1,545	1,459	1,597	1,528	1,377	1,399	1,509	1,502	1,707	1,194	1,174	1,305	1,448	1,337
Sales	(gallons)	521,213,224	561,536,832	626,620,562	490,238,797	470,744,236	472,427,603	451,587,660	453,883,144	473,453,531	462,807,375	578,566,581	445,806,178	438,348,926	409,758,192	397,435,322	357,408,453
	(ac-ft)	1,600	1,723	1,923	1,504	1,445	1,450	1,386	1,393	1,453	1,420	1,776	1,368	1,345	1,258	1,220	1,097
"Gain"/(Loss)	(gallons)	(83,739,319)	56,174,762	123,299,462	14,854,207	(49,569,954)	(25,314,357)	2,841,750	(1,866,826)	(18,309,691)	(26,729,924)	22,462,643	56,584,872	55,891,997	(15,396,181)	(74,425,425)	(78,256,583)
Unaccounted Water	(%)	-13.8%	n/a	n/a	n/a	-9.5%	-5.1%	n/a	-0.4%	-3.7%	-5.5%	n/a	n/a	n/a	-3.6%	-15.8%	-18.0%

Fairview Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)														6,281,932	4,948,241	3,457,200
	(ac-ft)														19	15	11
Sales	(gallons)														4,393,266	4,077,278	4,077,278
	(ac-ft)														13	13	13
"Gain"/(Loss)	(gallons)														(1,888,666)	(870,963)	620,078
Unaccounted Water	(%)														-30.1%	-17.6%	n/a

Picacho Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)														117,965,052	111,955,372	123,432,856
	(ac-ft)														362	344	379
Sales	(gallons)														159,158,706	114,829,582	114,829,582
	(ac-ft)														488	352	352
"Gain"/(Loss)	(gallons)														41,193,654	2,874,210	-8,603,274
Unaccounted Water	(%)														n/a	n/a	-7.0%

Radium Springs Service Area		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Diversion	(gallons)														46,008,553	41,045,870	42,823,323
	(ac-ft)														141	126	131
Sales	(gallons)														33,913,572	31,905,562	31,905,562
	(ac-ft)														104	98	98
"Gain"/(Loss)	(gallons)														(12,094,981)	(9,140,308)	(10,917,761)
Unaccounted Water	(%)														-26.3%	-22.3%	-25.5%

Notes:

Diversion data obtained from NMOSE information listing
Sales data obtained from Dona Aña MDWCA
Dona Aña MDWCA purchased supplemental water in 2007 and a small period in 2008 during construction of a new booster system
Diversion data prior to 2005 cannot be corroborated by Doña Ana MDWCA records

Table A-2- Doña Ana MDWCA GPCD and Connections

		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
Diversion; Annual	(gallons)	604,952,543	505,362,070	503,321,100	475,384,590	520,314,190	497,741,960	448,745,910	455,749,970	491,763,222	489,537,299	556,103,938	389,221,306	382,456,929	595,409,910	629,810,230	605,378,415	
Diversion; Daily	(gallons)	1,657,404	1,384,554	1,378,962	1,302,424	1,425,518	1,363,677	1,229,441	1,248,630	1,347,296	1,341,198	1,523,572	1,066,360	1,047,827	1,631,260	1,725,507	1,658,571	
Sales; Annual	(gallons)	521,213,224	561,536,832	626,620,562	490,238,797	470,744,236	472,427,603	451,587,660	453,883,144	473,453,531	462,807,375	578,566,581	445,806,178	438,348,926	607,223,736	548,247,744	574,615,025	
Sales; Daily	(gallons)	1,427,981	1,538,457	1,716,769	1,343,120	1,289,710	1,294,322	1,237,226	1,243,515	1,297,133	1,267,965	1,585,114	1,221,387	1,200,956	1,663,627	1,502,049	1,574,288	
Connections		3,793	3,516	3,583	3,783	3,864	3,982	4,490	4,281	4,367	4,859	4,848	4,959	5,059	5,158	5,227	5,364	
Persons/Household	(persons)	2.78																
GPCD; diversion, by year	(gallons)	157	142	138	124	133	123	98	105	111	99	113	77	75	114	119	111	
GPCD; diversion, average	(gallons)	115																
GPCD; sales, by year	(gallons)	135	157	172	128	120	117	99	104	107	94	118	89	85	116	103	106	
GPCD; sales, average	(gallons)	117																

Note:

GPCD= gallons per capita day

GPCD= [sales; daily] / ([connections] * (1 - [occupancy rate])) * [persons/household]

n/a used when data is either unavailable or otherwise unreliable

Table A-3 - Combined Doña Ana MDWCA Population Projection

Year	Doña Ana Service Area Historic Population		Growth Model					
			Linear / Older Data ¹		Linear / Recent Data ²		Compounding / County Growth ^{3,4}	
	Connections	Population	Connections	Population	Connections	Population	Connections	Population
2001	3,793	10,555						
2002	3,834	10,661						
2003	3,911	10,872						
2004	4,121	11,461						
2005	4,213	11,712						
2006	4,343	12,073						
2007	4,512	12,545						
2008	4,655	12,947						
2009	4,752	13,211						
2010	4,848	13,477						
2011	4,959	13,776						
2012	5,059	14,049						
2013	5,158	14,320						
2014	5,227	14,514						
2015	5,364	14,911						
2016	5,500	15,302	5,500	15,302	5,500	15,302	5,500	15,302
2021			6,088	16,924	5,855	16,276	6,019	16,733
2026			6,672	18,547	6,205	17,250	6,587	18,312
2031			7,255	20,170	6,555	18,224	7,209	20,040
2036			7,839	21,792	6,906	19,197	7,889	21,932
2041			8,423	23,415	7,256	20,171	8,634	24,001
2046			9,006	25,038	7,606	21,145	9,448	26,266
2051			9,590	26,661	7,956	22,119	10,340	28,745
2056			10,174	28,283	8,307	23,093	11,316	31,458

Notes:

- $y = (324.54 * x) - 638,971$ (x=plan year; y=corresponding population)
- $y = (194.76 * x) - 377,334$ (x=plan year; y=corresponding population)
- $y = (y_1 * (1 + 0.0182)^{(x_1 - x_2)})$ (x₁=plan year; x₂=reference year; y₁=reference population; y=corresponding population)
- Compounding Growth based on Doña Ana County population selected as representative projection.

Table A-4 - Doña Ana MDWCA Water Use Projection

Year	Historic					Projected		
	Population	Use	MG per Annum	Ac-Ft per Annum	GPCD	Population	MG per Annum	Ac-Ft per Annum
2001	10,555	521,213,224	521	1,600	157			
2002	10,661	561,536,832	562	1,723	157			
2003	10,872	626,620,562	627	1,923	172			
2004	11,461	490,238,797	490	1,504	128			
2005	11,712	470,744,236	471	1,445	120			
2006	12,073	472,427,603	472	1,450	117			
2007	12,545	451,587,660	452	1,386	99			
2008	12,947	453,883,144	454	1,393	104			
2009	13,211	473,453,531	473	1,453	107			
2010	13,477	462,807,375	463	1,420	94			
2011	13,776	578,566,581	579	1,776	118			
2012	14,049	445,806,178	446	1,368	89			
2013	14,320	438,348,926	438	1,345	85			
2014	14,514	607,223,736	607	1,864	116			
2015	14,911	548,247,744	548	1,683	103			
2016	15,302	574,615,025	575	1,763	106	15,302	575	1,763
2021					106	16,733	645	1,979
2026					106	18,312	706	2,166
2031					106	20,040	772	2,370
2036					106	21,932	845	2,594
2041					106	24,001	925	2,838
2046					106	26,266	1,012	3,106
2051					106	28,745	1,108	3,399
2056					106	31,458	1,212	3,720

Notes:

MG= million gallons

Ac-Ft= acre-feet

Table A-5 - Current Groundwater Rights

Original Permit	Current Permit	Transaction	NMOSE Priority Date	Other Priority Date(s)	Vested	Inchoate	Total	Owner (Prior Owner)
LRG 00667	LRG 1905	156909	1948	--	48.25	0	48.25	(Antoinette Greenwood Hurley) ⁽¹⁾
LRG 04921-A	LRG 1905	163022	1951	1967	45	0	45	(Kishor and Bharti Laloo) ⁽¹⁾
		391229	--	--	0	0	0	(Gerald A Strauss) ⁽¹⁾
LRG 04921-C	LRG 1905	167121	1951	1967	40	0	40	(Sidco Corporation) ^(1,2)
LRG 04593	LRG 1905	156887	1953	--	38.69	0	38.69	(Frank & Corina Luchini) ⁽¹⁾
LRG 8513-B	LRG 1905	156963	1955	--	10.63	0	10.63	(Gerald P. Backen) ⁽¹⁾
LRG 06014-A	LRG 1905	156889	1965	--	8.87	0	8.87	(Juan Jaquez) ⁽¹⁾
LRG 8513-A	LRG 1905	156915	1955	1930 ⁽³⁾	4.83	0	4.83	(Mariano and Heidi Martinez) ⁽¹⁾
LRG 4245	LRG 1905	156965	1941	--	2.18	0	2.18	(John D. & June McKibben) ⁽¹⁾
LRG 08018	LRG 1905	156885	1976	--	3.5	0	3.5	(Margarita Medrano) ⁽¹⁾
LRG 1905	LRG 1905	n/a	1960	--	1822.7	693.58	2516.28	Doña Ana MDWCA; revised claim
LRG 00023	LRG 00023	516945 501548	1954	--	10.426	10.426	20.852	(Hust) ⁽⁴⁾
LRG 80	LRG 80	526779 526788	1948		198.43	3349.95	3548.38	(Fort Selden Water Company)
LRG 4250-B	LRG 4250-B	540791	1960		501.18	1758.82	2260	(Picacho Hills Utility Company)
LRG 15880-1	LRG 15880-1	558149	1974		43.15	0	43.15	(Fairview Estates Water Company)
Subtotals					742.76	5108.77	5851.53	acre-feet
Total					2777.836	5812.776	8590.612	acre-feet

Notes:

All Information obtained from NMOSE files unless otherwise indicated

(1) NMOSE website indicates diversion, not consumptive right (contrary to other NMOSE files)

(2) Priority denoted differently on NMOSE website than in other NMOSE documentation; oldest priority date shown

(3) Priority date provided by Doña Ana MDWCA

(4) Volume of water right provided by Doña Ana MDWCA

Table A-6 - Surface Water Rights

Subfile	Purchase Date	Leased	Purchased	Prior Owner
n/a	2004	11.25	0	Cosimati
LRN-28-004-0070-A	2006	29.568	0	Hettinga/Grey Fox
n/a	2009	27.42	39.18	Katerina
n/a	2008	8.16	0	MDM-One/Pruett
n/a	2009	7.46	0	San Ban
n/a	2009	22.95	0	Picacho Valley Group
n/a	2009	0	9.99	Hust
Subtotals		106.808	49.17	irrigable acres
Total		155.978		irrigable acres

Notes:

Information obtained from Doña Ana MDWCA

Appendix B Well Master Meter Readings



Table B-1
Doña Ana Mutual Domestic Water Consumer's Association
Annual Well Production Summary (gallons)¹

	2001	2002	2003	2004	2005	2006	2007	2008
Doña Ana Wells								
Well #2A (LRG-1905S)	20,820,043	57,619,170	44,234,900	53,624,190	54,597,390	56,875,460	54,879,510	42,562,570
Well #3 (LRG-1905S2)	119,325,600	17,511,400	17,672,600	22,619,800	-	-	-	-
Well #5 (LRG-1905S4)	174,867,900	106,528,500	68,598,600	82,637,600	85,354,800	100,985,500	73,971,400	84,901,400
Well #6 (LRG-1905S5)	95,601,000	109,065,000	79,359,000	187,924,000	161,732,000	97,067,000	28,235,000	46,373,000
Well #7 (LRG-1905)	194,338,000	214,638,000	293,456,000	128,579,000	218,630,000	224,212,000	219,687,000	185,738,000
Well #8 (LRG-1905S3)	-	-	-	-	-	18,602,000	71,973,000	96,175,000
Radium Springs Wells								
Well #9 (LRG-80-S2)	23,613,500	32,316,900	29,170,900	32,840,500	31,205,500	25,322,200	16,806,200	16,009,400
Well #10 (LRG-80-S4)	26,467,700	18,444,700	22,957,900	17,632,000	23,062,400	27,828,200	24,994,700	16,233,400
Well #11 (LRG-80-POD6)	-	-	-	-	-	-	13,657,000	27,128,000
Picacho Hills Wells								
Well #7 (LRG-04250S)	39,666,913	1,287,500	-	21,700	-	44,586,000	39,776,208	57,882,617
Well #16A (LRG-04250S2)	5,800	7,429,300	69,651,200	105,155,600	81,577,600	73,319,400	79,196,450	69,251,276
Fairview Wells²								
Southview (LRG-15880-1)								
Appleview (LRG-15880-2)								
Total	694,706,456	564,840,470	625,101,100	631,034,390	656,159,690	668,797,760	623,176,468	642,254,663

	2009	2010	2011	2012	2013	2014	2015	2016
Doña Ana Wells								
Well #2A (LRG-1905S)	50,894,622	31,876,999	41,670,688	24,687,563	62,683,660	125,091,340	73,409,580	125,327,860
Well #3 (LRG-1905S2)	-	-	-	-	-	-	-	-
Well #5 (LRG-1905S4)	86,790,600	32,083,300	150,497,394	117,178,127	126,250,693	153,913,039	148,156,425	44,834,176
Well #6 (LRG-1905S5)	113,011,000	106,290,000	169,169,856	89,651,986	88,295,070	37,638,235	13,542,697	54,404,000
Well #7 (LRG-1905)	135,345,000	251,269,000	139,636,000	52,845,630	82,008,506	83,847,759	221,505,045	156,784,000
Well #8 (LRG-1905S3)	105,722,000	68,018,000	55,130,000	104,858,000	23,219,000	24,664,000	15,247,000	54,315,000
Radium Springs Wells								
Well #9 (LRG-80-S2)	23,131,200	19,640,000	23,687,700	15,520,600	8,962,653	36,521,507	24,409,780	16,027,079
Well #10 (LRG-80-S4)	-	36,075,000	12,708	32,316,599	32,713,883	9,327,046	16,636,090	26,796,244
Well #11 (LRG-80-POD6)	22,224,000	14,863,000	13,163,000	7,579,000	7,787,000	160,000	-	-
Picacho Hills Wells								
Well #7 (LRG-04250S)	124,113,119	66,154,156	60,439,226	92,973,040	68,274,988	74,373,536	103,944,204	55,970,072
Well #16A (LRG-04250S2)	2,276,158	32,083,310	86,682,720	43,201,632	58,958,940	43,591,516	8,011,168	67,462,784
Fairview Wells²								
Southview (LRG-15880-1)				8,000,000	8,000,000	8,000,001	4,948,241	3,457,200
Appleview (LRG-15880-2)							249,820	-
Total	663,507,699	658,352,765	740,089,293	588,812,177	567,154,393	597,127,979	630,060,050	605,378,415

Notes:

1 - pumping data based on New Mexico Office of the State Engineer well meter records

2 - reliable pumping data for Fairview wells is unavailable prior to 2015. Pumping data for 2012-2014 is estimated



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 00080 S-2	3	1	1	14	21S	01W	319434	3596100

Driller License:	Driller Company:	
Driller Name: C. BALLARD		
Drill Start Date: 12/31/1968	Drill Finish Date: 12/31/1968	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 200 GPM
Casing Size: 12.00	Depth Well: 120 feet	Depth Water:

Meter Number: 12221	Meter Make: SIEMENS
Meter Serial Number: 7ME6910	Meter Multiplier: 1.0000
Number of Dials: 8	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
06/20/1997	1997	94487	A	mm		0
07/18/1997	1997	58379	R	mm	Meter Rollover	295.808
09/19/1997	1997	58379	A	mm		0
07/21/1998	1998	148111	A	mm		27.538
08/20/1998	1998	148111	A	mm		0
09/22/1998	1998	211484	A	mm		19.448
01/21/1999	1999	299695	A	mm		27.071
02/19/1999	1999	299695	A	mm		0
03/22/1999	1999	299695	A	mm		0
04/23/1999	1999	299695	A	mm		0
05/20/1999	1999	300219	A	mm		0.161
06/21/1999	1999	301132	A	mm		0.280
07/21/1999	1999	303334	A	mm		0.676
08/20/1999	1999	303334	A	mm		0
09/23/1999	1999	303334	A	mm		0
10/21/1999	1999	303334	A	mm		0
11/22/1999	1999	303334	A	mm		0
12/22/1999	1999	303334	A	mm		0
01/21/2000	2000	303334	A	mm		0
02/21/2000	2000	303334	A	mm		0
03/22/2000	2000	303334	A	mm		0
04/25/2000	2000	303334	A	mm		0

05/23/2000	2000	23043	A	mm	0
06/23/2000	2000	67899	A	mm	13.766
07/24/2000	2000	72428	A	mm	1.390
08/21/2000	2000	96170	A	mm	7.286
09/21/2000	2000	124107	A	mm	8.574
10/23/2000	2000	154331	A	mm	9.275
11/20/2000	2000	169674	A	mm	4.709
12/20/2000	2000	189227	A	mm	6.001
01/21/2001	2001	210641	A	mm	6.572
02/21/2001	2001	231187	A	mm	6.305
03/21/2001	2001	248827	A	mm	5.414
04/21/2001	2001	269180	A	mm	6.246
05/21/2001	2001	270807	A	mm	0.499
06/21/2001	2001	307224	A	mm	11.176
07/20/2001	2001	339462	A	mm	9.893
08/21/2001	2001	367173	A	mm	8.504
09/21/2001	2001	390594	A	mm	7.188
10/19/2001	2001	407066	A	mm	5.055
11/20/2001	2001	412502	A	mm	1.668
12/19/2001	2001	425362	A	mm	3.947
01/21/2002	2002	438480	A	mm	4.026
02/21/2002	2002	451665	A	mm	4.046
03/21/2002	2002	470720	A	mm	5.848
04/19/2002	2002	498158	A	mm	8.420
05/21/2002	2002	523012	A	mm	7.627
06/21/2002	2002	524490	A	mm	0.454
07/23/2002	2002	561202	A	mm	11.266
08/21/2002	2002	609730	A	mm	14.893
09/19/2002	2002	661272	A	mm	15.818
10/19/2002	2002	707758	A	mm	14.266
11/20/2002	2002	730842	A	mm	7.084
12/10/2002	2002	748531	A	mm	5.429
01/21/2003	2003	771201	A	mm	6.957
02/20/2003	2003	789927	A	mm	5.747
03/20/2003	2003	813501	A	mm	7.235
04/22/2003	2003	839606	A	mm	8.011
05/21/2003	2003	873438	A	mm	10.383
06/23/2003	2003	908366	A	mm	10.719
07/22/2003	2003	937686	A	mm	8.998
08/21/2003	2003	967978	A	mm	9.296
09/25/2003	2003	1812	R	mm Meter Rollover	10.383
10/21/2003	2003	13842	A	mm	3.692
11/20/2003	2003	28600	A	mm	4.529
12/19/2003	2003	40240	A	mm	3.572
01/21/2004	2004	53447	A	mm	4.053
02/19/2004	2004	65837	A	mm	3.802
03/19/2004	2004	84440	A	mm	5.709

04/22/2004	2004	101220	A	mm	5.150
05/20/2004	2004	126353	A	mm	7.713
06/10/2004	2004	185325	A	mm	18.098
07/21/2004	2004	235710	A	mm	15.463
08/20/2004	2004	276681	A	mm	12.574
09/24/2004	2004	328771	A	mm	15.986
10/21/2004	2004	346717	A	mm	5.507
11/19/2004	2004	360340	A	mm	4.181
12/17/2004	2004	368645	A	mm	2.549
01/20/2005	2005	384997	A	mm	5.018
02/22/2005	2005	398679	A	mm	4.199
03/10/2005	2005	410841	A	mm	3.732
04/10/2005	2005	430196	A	mm	5.940
05/10/2005	2005	462427	A	mm	9.891
06/10/2005	2005	512228	A	mm	15.283
07/10/2005	2005	561481	A	mm	15.115
08/10/2005	2005	599574	A	mm	11.690
09/21/2005	2005	631248	A	mm	9.720
10/10/2005	2005	650175	A	mm	5.808
11/10/2005	2005	666667	A	mm	5.061
12/21/2005	2005	680700	A	mm	4.307
01/19/2006	2006	692746	A	mm	3.697
02/23/2006	2006	706930	A	mm	4.353
03/20/2006	2006	722905	A	mm	4.903
04/19/2006	2006	746528	A	mm	7.250
05/22/2006	2006	777700	A	mm	9.566
06/19/2006	2006	841610	A	mm	19.613
07/24/2006	2006	854490	A	mm	3.953
08/21/2006	2006	874160	A	mm	6.037
09/19/2006	2006	891740	A	mm	5.395
10/20/2006	2006	907424	A	mm	4.813
11/20/2006	2006	921121	A	mm	4.203
12/21/2006	2006	933922	A	mm	3.928
01/23/2007	2007	946155	A	mm	3.754
02/19/2007	2007	956031	A	mm	3.031
03/10/2007	2007	970883	A	mm	4.558
04/23/2007	2007	996714	A	mm	7.927
05/21/2007	2007	15819	R	mm Meter Rollover	5.863
06/25/2007	2007	32560	A	mm	5.138
07/25/2007	2007	48816	A	mm	4.989
08/23/2007	2007	58798	A	mm	3.063
09/20/2007	2007	62791	A	mm	1.225
10/24/2007	2007	81920	A	mm	5.870
11/23/2007	2007	88588	A	mm	2.046
12/19/2007	2007	101984	A	mm	4.111
01/23/2008	2008	118466	A	mm	5.058
02/26/2008	2008	133474	A	mm	4.606

03/21/2008	2008	140667	A	mm		2.207
04/21/2008	2008	150919	A	mm		3.146
05/21/2008	2008	164489	A	mm		4.164
07/22/2008	2008	193685	A	mm		8.960
08/22/2008	2008	212843	A	mm		5.879
09/19/2008	2008	222814	A	mm		3.060
10/20/2008	2008	236959	A	mm		4.341
11/19/2008	2008	251970	A	mm		4.607
12/16/2008	2008	262078	A	mm		3.102
01/07/2009	2009	269706	A	mm		2.341
01/12/2010	2009	493390	A	mm		68.646
04/06/2010	2010	535668	A	mm		12.975
07/05/2010	2010	577390	A	mm		12.804
10/04/2010	2010	646352	A	mm		21.164
01/06/2011	2010	689790	A	rs		13.331
04/07/2011	2011	765464	A	rs		23.223
07/05/2011	2011	802393	A	mm		11.333
10/03/2011	2011	877676	A	mm		23.104
01/04/2012	2011	926667	A	mm		15.035
07/17/2012	2012	43579	R	mm	Meter Rollover	35.879
10/08/2012	2012	81873	A	mm		11.752
01/14/2013	2012	81873	A	mm		0
04/04/2013	2013	81873	A	sm		0
05/01/2013	2013	81873	A	sm		0
06/01/2013	2013	81873	A	mm		0
07/08/2013	2013	81873	A	cw		0
10/01/2013	2013	0	A	ad		0
02/13/2014	2013	8962653	A	ad		27.505
03/01/2014	2014	10536474	A	ad		4.830
04/01/2014	2014	13779320	A	ad		9.952
05/01/2014	2014	17026437	A	dc		9.965
06/01/2014	2014	21097021	A	dc		12.492
07/01/2014	2014	25859969	A	dc		14.617
08/01/2014	2014	29958006	A	dc		12.576
09/01/2014	2014	33169946	A	dc		9.857
10/01/2014	2014	35808799	A	dc		8.098
11/01/2014	2014	38459653	A	dc		8.135
12/01/2014	2014	40319352	A	cw		5.707
01/01/2015	2014	40319352	A	ad		0
02/01/2015	2014	44065105	A	ad		11.495
03/01/2015	2014	45484160	A	ad		4.355
04/01/2015	2015	47582514	A	ad		6.440
05/01/2015	2015	49966871	A	dc		7.317
06/01/2015	2015	52493600	A	dc		7.754
07/01/2015	2015	55531297	A	dc		9.322
08/01/2015	2015	58653492	A	ad		9.582
09/01/2015	2015	61162424	A	dc		7.700

10/06/2015	2015	63791486	A	dc	8.068
11/05/2015	2015	65569040	A	bf	5.455
12/03/2015	2015	67077242	A	dc	4.629
02/01/2016	2015	69893940	A	bf	8.644
03/01/2016	2016	71612635	A	bf	5.274
04/01/2016	2016	73687488	A	dc	6.367
05/01/2016	2016	75868145	A	bf	6.692
06/01/2016	2016	79334069	A	dc	10.637
07/01/2016	2016	82737966	A	dc	10.446
08/01/2016	2016	82749085	A	dc	0.034
09/01/2016	2016	83535550	A	dc	2.414
10/01/2016	2016	84029049	A	dc	1.514
11/01/2016	2016	84647166	A	dc	1.897
12/01/2016	2016	85190042	A	dc	1.666
01/01/2017	2016	85921019	A	bf	2.243
02/01/2017	2017	86384614	A	dc	1.423
03/01/2017	2017	86809994	A	bf	1.305
04/01/2017	2017	87681349	A	dc	2.674
05/01/2017	2017	88781348	A	bf	3.376
06/01/2017	2017	90875775	A	bf	6.428
07/01/2017	2017	93991955	A	dc	9.563
08/01/2017	2017	93991955	A	dc	0
09/01/2017	2017	93992574	A	dc	0.002
10/02/2017	2017	96686785	A	cb	8.268

**YTD Meter Amounts:	Year	Amount
	1997	295.808
	1998	46.986
	1999	28.188
	2000	51.001
	2001	72.467
	2002	99.177
	2003	89.522
	2004	100.785
	2005	95.764
	2006	77.711
	2007	51.575
	2008	49.130
	2009	70.987
	2010	60.274
	2011	72.695
	2012	47.631
	2013	27.505
	2014	112.079
	2015	74.911
	2016	49.184
	2017	33.039

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10/30/17 10:26 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 00080 S-4	3	1	1	14	21S	01W	319432	3595952

Driller License:	Driller Company:	
Driller Name: C. BALLARD		
Drill Start Date: 08/31/1978	Drill Finish Date: 08/31/1978	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type: TURBIN	Pipe Discharge Size:	Estimated Yield: 400 GPM
Casing Size: 16.00	Depth Well: 90 feet	Depth Water: 20 feet

Meter Number: 10234	Meter Make: SEIEMENS
Meter Serial Number: 7ME6911	Meter Multiplier: 1.0000
Number of Dials: 8	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/20/1997	1997	590428	A	mm		0
02/20/1997	1997	590428	A	mm		0
03/19/1997	1997	593784	A	mm		1.030
04/19/1997	1997	626870	A	mm		10.154
05/21/1997	1997	676264	A	mm		15.158
06/20/1997	1997	724852	A	mm		14.911
07/18/1997	1997	780676	A	mm		17.132
08/10/1997	1997	823834	A	mm		13.245
09/19/1997	1997	873929	A	mm		15.374
10/21/1997	1997	910403	A	mm		11.193
11/20/1997	1997	935492	A	mm		7.700
12/19/1997	1997	966036	A	mm		9.374
01/21/1998	1998	4525	R	mm	Meter Rollover	11.812
02/20/1998	1998	29366	A	mm		7.623
03/19/1998	1998	53065	A	mm		7.273
04/21/1998	1998	95129	A	mm		12.909
05/23/1998	1998	144530	A	mm		15.161
06/19/1998	1998	160225	A	mm		4.817
07/21/1998	1998	173464	A	mm		4.063
08/20/1998	1998	216061	A	mm		13.073
09/22/1998	1998	216362	A	mm		0.092
11/24/1998	1998	216362	A	mm		0

01/21/1999	1999	249007	A	mm	10.018
02/19/1999	1999	274998	A	mm	7.976
03/22/1999	1999	305530	A	mm	9.370
04/23/1999	1999	343570	A	mm	11.674
05/20/1999	1999	383691	A	mm	12.313
06/21/1999	1999	141476	A	mm	0
07/21/1999	1999	170229	A	mm	8.824
08/20/1999	1999	170294	A	mm	0.020
09/23/1999	1999	470294	A	mm	92.067
10/21/1999	1999	470294	A	mm	0
11/22/1999	1999	470294	A	mm	0
12/22/1999	1999	470294	A	mm	0
01/21/2000	2000	470294	A	mm	0
02/21/2000	2000	470294	A	mm	0
03/22/2000	2000	470294	A	mm	0
04/25/2000	2000	470294	A	mm	0
05/23/2000	2000	3215	A	mm	0
06/23/2000	2000	15465	A	mm	3.759
07/24/2000	2000	81533	A	mm	20.276
08/21/2000	2000	82671	A	mm	0.349
09/21/2000	2000	111096	A	mm	8.723
11/20/2000	2000	127211	A	mm	4.946
12/20/2000	2000	130457	A	mm	0.996
01/21/2001	2001	133037	A	mm	0.792
02/21/2001	2001	137205	A	mm	1.279
03/21/2001	2001	146413	A	mm	2.826
04/21/2001	2001	173731	A	mm	8.384
05/21/2001	2001	222658	A	mm	15.015
06/21/2001	2001	255203	A	mm	9.988
07/20/2001	2001	285775	A	mm	9.382
08/21/2001	2001	313046	A	mm	8.369
09/21/2001	2001	336826	A	mm	7.298
10/19/2001	2001	355360	A	mm	5.688
11/20/2001	2001	382689	A	mm	8.387
12/19/2001	2001	395134	A	mm	3.819
01/21/2002	2002	407192	A	mm	3.700
02/21/2002	2002	417361	A	mm	3.121
03/21/2002	2002	427252	A	mm	3.035
04/19/2002	2002	443958	A	mm	5.127
05/21/2002	2002	476330	A	mm	9.935
06/21/2002	2002	541912	A	mm	20.126
07/23/2002	2002	568403	A	mm	8.130
08/21/2002	2002	568403	A	mm	0
09/21/2002	2002	568403	A	mm	0
10/22/2002	2002	568403	A	mm	0
11/20/2002	2002	570856	A	mm	0.753
12/10/2002	2002	579581	A	mm	2.678

01/21/2003	2003	581193	A	mm		0.495
02/20/2003	2003	589636	A	mm		2.591
03/20/2003	2003	595437	A	mm		1.780
04/22/2003	2003	615589	A	mm		6.184
05/21/2003	2003	633873	A	mm		5.611
06/23/2003	2003	667693	A	mm		10.379
07/22/2003	2003	697665	A	mm		9.198
08/21/2003	2003	731804	A	mm		10.477
09/25/2003	2003	762731	A	mm		9.491
10/21/2003	2003	781584	A	mm		5.786
11/20/2003	2003	797150	A	mm		4.777
12/19/2003	2003	809160	A	mm		3.686
01/21/2004	2004	822940	A	mm		4.229
02/19/2004	2004	835324	A	mm		3.801
03/25/2004	2004	853585	A	mm		5.604
04/22/2004	2004	871527	A	mm		5.506
05/20/2004	2004	898417	A	mm		8.252
06/10/2004	2004	919148	A	mm		6.362
07/21/2004	2004	930286	A	mm		3.418
08/20/2004	2004	940952	A	mm		3.273
09/24/2004	2004	951316	A	mm		3.181
10/21/2004	2004	962965	A	mm		3.575
11/19/2004	2004	977326	A	mm		4.407
12/17/2004	2004	985480	A	mm		2.502
01/20/2005	2005	999387	A	mm		4.268
02/22/2005	2005	9723	R	mm	Meter Rollover	3.172
03/10/2005	2005	22488	A	mm		3.917
04/10/2005	2005	43897	A	mm		6.570
05/10/2005	2005	66234	A	mm		6.855
06/10/2005	2005	87128	A	mm		6.412
07/19/2005	2005	112604	A	mm		7.818
08/23/2005	2005	147333	A	mm		10.658
09/21/2005	2005	161984	A	mm		4.496
10/21/2005	2005	185453	A	mm		7.202
11/21/2005	2005	203770	A	mm		5.621
12/21/2005	2005	216104	A	mm		3.785
01/19/2006	2006	230495	A	mm		4.416
02/23/2006	2006	248177	A	mm		5.426
03/20/2006	2006	265726	A	mm		5.386
04/19/2006	2006	294320	A	mm		8.775
05/21/2006	2006	331138	A	mm		11.299
06/19/2006	2006	366060	A	mm		10.717
07/24/2006	2006	410720	A	mm		13.706
08/21/2006	2006	433348	A	mm		6.944
09/19/2006	2006	448194	A	mm		4.556
10/20/2006	2006	466199	A	mm		5.526
11/20/2006	2006	479561	A	mm		4.101

12/21/2006	2006	494386	A	mm		4.550
01/10/2007	2007	509633	A	mm		4.679
02/19/2007	2007	521008	A	mm		3.491
03/11/2007	2007	538571	A	mm		5.390
04/23/2007	2007	564998	A	mm		8.110
05/21/2007	2007	588263	A	mm		7.140
06/25/2007	2007	617839	A	mm		9.077
07/25/2007	2007	639990	A	mm		6.798
08/23/2007	2007	665170	A	mm		7.727
09/20/2007	2007	699084	A	mm		10.408
10/24/2007	2007	735208	A	mm		11.086
11/23/2007	2007	744333	A	mm		2.800
01/23/2008	2008	775663	A	mm		9.615
02/26/2008	2008	806663	A	mm		9.514
03/21/2008	2008	837663	A	mm		9.514
06/20/2008	2008	841918	A	mm		1.306
07/22/2008	2008	864605	A	mm		6.962
08/22/2008	2008	886704	A	mm		6.782
09/19/2008	2008	897871	A	mm		3.427
12/16/2008	2008	906667	A	mm		2.699
01/07/2009	2009	906667	A	mm		0
01/12/2010	2009	906667	A	mm		0
04/06/2010	2010	906667	A	mm		0
07/05/2010	2010	906667	A	mm		0
10/04/2010	2010	906667	A	mm		0
01/06/2011	2010	267417	R	rs	Meter Rollover	110.710
02/01/2011	2011	0	A	mm		0
04/07/2011	2011	3	A	mm		0
05/04/2011	2011	7	A	mm		0
07/05/2011	2011	12	A	mm		0.001
09/29/2011	2011	284	A	mm		0.027
10/15/2011	2011	315	A	rs		0.003
01/04/2012	2011	400	A	mm		0.008
07/17/2012	2012	750	A	mm		0.035
10/08/2012	2012	935	A	mm		0.019
01/14/2013	2012	57	R	mm	Meter Rollover	99.912
04/04/2013	2013	58	A	sm		0
05/01/2013	2013	26	R	sm	Meter Rollover	99.997
06/01/2013	2013	33	A	mm		0.001
07/08/2013	2013	45	A	cw		0.001
10/01/2013	2013	0	A	ad		0
02/13/2014	2013	137310	A	ad		0.421
03/01/2014	2014	549050	A	ad		1.264
04/01/2014	2014	1090906	A	ad		1.663
05/01/2014	2014	2138068	A	dc		3.214
06/01/2014	2014	3436201	A	dc		3.984
07/01/2014	2014	5040264	A	dc		4.923

08/01/2014	2014	6171342	A	dc	3.471
09/01/2014	2014	7138839	A	dc	2.969
10/01/2014	2014	7953957	A	dc	2.502
11/01/2014	2014	8436094	A	dc	1.480
12/01/2014	2014	8953935	A	cw	1.589
01/01/2015	2014	9464356	A	ad	1.566
02/01/2015	2015	10002903	A	ad	1.653
03/01/2015	2015	10817001	A	ad	2.498
04/01/2015	2015	12131170	A	ad	4.033
05/01/2015	2015	13621254	A	dc	4.573
06/01/2015	2015	15310617	A	dc	5.184
07/01/2015	2015	17329539	A	dc	6.196
08/01/2015	2015	19298260	A	ad	6.042
09/01/2015	2015	20858574	A	dc	4.788
10/06/2015	2015	22521808	A	dc	5.104
11/05/2015	2015	23535090	A	bf	3.110
12/03/2015	2015	24402914	A	dc	2.663
02/01/2016	2015	26100446	A	bf	5.210
03/01/2016	2016	27203899	A	bf	3.386
04/01/2016	2016	28678117	A	dc	4.524
05/01/2016	2016	30053190	A	bf	4.220
06/01/2016	2016	33154397	A	dc	9.517
07/01/2016	2016	35075750	A	dc	5.896
08/01/2016	2016	37833527	A	dc	8.463
09/01/2016	2016	44129799	A	dc	19.323
10/01/2016	2016	47903232	A	dc	11.580
11/01/2016	2016	49495556	A	dc	4.887
12/01/2016	2016	51286498	A	dc	5.496
01/01/2017	2016	52896690	A	bf	4.941
02/01/2017	2017	54489789	A	dc	4.889
03/01/2017	2017	56416489	A	bf	5.913
04/01/2017	2017	59458031	A	dc	9.334
05/01/2017	2017	62480477	A	bf	9.276
06/01/2017	2017	65025330	A	bf	7.810
07/01/2017	2017	67428114	A	dc	7.374
08/01/2017	2017	72194550	A	dc	14.628
09/01/2017	2017	76311315	A	dc	12.634
10/02/2017	2017	78086702	A	cb	5.448

**YTD Meter Amounts:	Year	Amount
	1997	115.271
	1998	76.823
	1999	152.262
	2000	39.049
	2001	81.227
	2002	56.605
	2003	70.455

2004	54.110
2005	70.774
2006	85.402
2007	76.706
2008	49.819
2009	0
2010	110.710
2011	0.039
2012	99.966
2013	100.420
2014	28.625
2015	51.054
2016	82.233
2017	77.306

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 00080 POD6	1	1	1	14	21S	01W	319442	3596254

Driller License:	1274	Driller Company:	GUFFEY, R.L. INC.
Driller Name:	PADRAIC GUFFEY		
Drill Start Date:	02/20/2006	Drill Finish Date:	02/22/2006
Log File Date:	03/30/2006	PCW Rcv Date:	
Pump Type:		Source:	Shallow
Casing Size:	12.75	Estimated Yield:	500 GPM
		Depth Well:	98 feet
		Depth Water:	13 feet

Water Bearing Stratifications:	Top	Bottom	Description
	39	98	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom	
	38	98	

Meter Number:	12222	Meter Make:	MCCROMETER
Meter Serial Number:	MX060163	Meter Multiplier:	1000.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/10/2007	2007	3105	A	mm		0
04/23/2007	2007	5356	A	mm		6.908
05/21/2007	2007	5421	A	mm		0.199
06/25/2007	2007	9182	A	mm		11.542
07/25/2007	2007	11739	A	mm		7.847
09/01/2007	2007	0	A	mm		0
09/20/2007	2007	1260	A	mm		3.867
10/24/2007	2007	1260	A	mm		0
11/23/2007	2007	5023	A	mm		11.548
12/19/2007	2007	5023	A	mm		0
01/23/2008	2008	5539	A	mm		1.584
02/26/2008	2008	6063	A	mm		1.608
03/21/2008	2008	8393	A	mm		7.151
04/21/2008	2008	12935	A	mm		13.939
05/21/2008	2008	16605	A	mm		11.263
07/22/2008	2008	24918	A	mm		25.512
08/22/2008	2008	25199	A	mm		0.862

09/19/2008	2008	27241	A	mm	6.267
10/20/2008	2008	30736	A	mm	10.726
11/19/2008	2008	31457	A	mm	2.213
12/16/2008	2008	32151	A	mm	2.130
01/12/2010	2009	54375	A	mm	68.203
02/08/2010	2010	54632	A	mm	0.789
04/06/2010	2010	56110	A	mm	4.536
07/05/2010	2010	63081	A	mm	21.393
10/04/2010	2010	67739	A	mm	14.295
01/06/2011	2010	69238	A	rs	4.600
05/04/2011	2011	71022	A	mm	5.475
07/05/2011	2011	76825	A	mm	17.809
10/03/2011	2011	81136	A	mm	13.230
01/04/2012	2011	82401	A	mm	3.882
07/17/2012	2012	86232	A	mm	11.757
10/08/2012	2012	89075	A	mm	8.725
01/14/2013	2012	89980	A	mm	2.777
04/04/2013	2013	90105	A	sm	0.384
05/01/2013	2013	90130	A	sm	0.077
06/01/2013	2013	90130	A	mm	0
08/01/2013	2013	90285	A	cw	0.476
09/03/2013	2013	90288	A	ad	0.009
10/01/2013	2013	90347	A	ad	0.181
11/01/2013	2013	92854	A	ad	7.694
01/02/2014	2013	97767	A	ad	15.077
03/01/2014	2014	97767	A	ad	0
04/01/2014	2014	97927	A	ad	0.491
05/01/2014	2014	97927	A	dc	0
06/01/2014	2014	97927	A	dc	0
07/01/2014	2014	97927	A	dc	0
08/01/2014	2014	97927	A	dc	0
09/01/2014	2014	97927	A	dc	0
10/01/2014	2014	97927	A	dc	0
11/01/2014	2014	97927	A	dc	0
12/01/2014	2014	97927	A	cw	0
01/01/2015	2014	97927	A	ad	0
02/01/2015	2015	97927	A	ad	0
03/01/2015	2015	97927	A	ad	0
04/01/2015	2015	97927	A	ad	0
05/01/2015	2015	97927	A	dc	0
06/01/2015	2015	97927	A	dc	0
07/01/2015	2015	97927	A	dc	0
08/01/2015	2015	97927	A	ad	0
09/01/2015	2015	97927	A	dc	0
10/06/2015	2015	97927	A	dc	0
11/05/2015	2015	97927	A	bf	0
12/03/2015	2015	97927	A	dc	0

02/01/2016	2015	97927	A	bf	0
03/01/2016	2016	97927	A	bf	0
10/02/2017	2016	97927	A	cb	0

**YTD Meter Amounts:	Year	Amount
	2007	41.911
	2008	83.255
	2009	68.203
	2010	45.613
	2011	40.396
	2012	23.259
	2013	23.898
	2014	0.491
	2015	0
	2016	0

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
POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 00080 POD7				14	21S	01W	319445	3596257 

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
	LRG 01905					330858	3581234

Driller License:	1034	Driller Company:	GUFFEY, R.L. INC.
Driller Name:	GUFFEY, MICHEAL R.		
Drill Start Date:	09/19/1988	Drill Finish Date:	10/21/1960
		Plug Date:	
Log File Date:	12/07/1988	PCW Rcv Date:	
		Source:	Shallow
Pump Type:		Pipe Discharge Size:	
		Estimated Yield:	525 GPM
Casing Size:	8.63	Depth Well:	324 feet
		Depth Water:	41 feet

Water Bearing Stratifications:	Top	Bottom	Description
	236	256	Shallow Alluvium/Basin Fill
	350	410	Shallow Alluvium/Basin Fill

Meter Number:	3745	Meter Make:	SIEMENS
Meter Serial Number:	549003	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	168503	A	mm		0
01/11/2001	2000	325420	A	mm		481.561
03/05/2001	2001	325420	A	mm		0
03/14/2001	2001	325420	A	mm		0
04/09/2001	2001	331672	A	mm		19.187
06/07/2001	2001	346519	A	mm		45.564
06/07/2001	2001	378132	A	mm		97.017
07/09/2001	2001	412469	A	mm		105.376
08/13/2001	2001	446221	A	mm		103.581
09/10/2001	2001	473392	A	mm		83.385
10/12/2001	2001	499509	A	mm		80.150
11/09/2001	2001	508993	A	mm		29.105
12/13/2001	2001	510556	A	mm		4.797
01/11/2002	2001	519758	A	mm		28.240
02/15/2002	2002	530738	A	mm		33.696
03/28/2002	2002	540576	A	mm		30.192
04/10/2002	2002	551823	A	mm		34.516
05/14/2002	2002	571384	A	mm		60.031

06/14/2002	2002	599974	A	mm	87.739
07/11/2002	2002	633424	A	mm	102.654
08/12/2002	2002	655529	A	mm	67.838
09/10/2002	2002	682266	A	mm	82.053
10/15/2002	2002	706308	A	mm	73.782
11/19/2002	2002	717728	A	mm	35.047
12/10/2002	2002	726620	A	mm	27.289
01/13/2003	2002	734396	A	mm	23.864
02/10/2003	2003	751363	A	mm	52.070
03/10/2003	2003	764693	A	mm	40.908
04/03/2003	2003	787182	A	mm	69.016
05/06/2003	2003	816108	A	mm	88.771
06/04/2003	2003	852522	A	mm	111.750
07/07/2003	2003	886068	A	mm	102.949
08/11/2003	2003	922142	A	mm	110.707
09/05/2003	2003	952214	A	mm	92.288
10/08/2003	2003	981331	A	mm	89.357
11/12/2003	2003	815	R	mm Meter Rollover	59.794
12/10/2003	2003	15391	A	mm	44.732
01/14/2004	2003	27852	A	mm	38.241
02/06/2004	2004	38190	A	mm	31.726
03/15/2004	2004	45905	A	mm	23.676
04/14/2004	2004	59318	A	mm	41.163
05/13/2004	2004	79047	A	mm	60.546
06/08/2004	2004	100189	A	mm	64.882
07/12/2004	2004	115861	A	mm	48.096
08/11/2004	2004	135765	A	mm	61.083
09/15/2004	2004	147605	A	mm	36.336
10/14/2004	2004	156431	A	mm	27.086
12/23/2004	2004	156431	A	mm	0
01/06/2005	2004	156431	A	mm	0
02/07/2005	2005	156764	A	mm	1.022
03/07/2005	2005	156764	A	mm	0
04/07/2005	2005	173839	A	mm	52.401
05/05/2005	2005	210808	A	mm	113.454
06/06/2005	2005	245862	A	mm	107.577
07/06/2005	2005	282697	A	mm	113.042
08/08/2005	2005	320941	A	mm	117.367
09/08/2005	2005	353771	A	mm	100.752
10/13/2005	2005	375061	A	mm	65.337
11/09/2005	2005	375061	A	mm	0
12/09/2005	2005	375061	A	mm	0
01/06/2006	2005	375061	A	mm	0
02/13/2006	2006	375061	A	mm	0
03/30/2006	2006	378387	A	mm	10.207
04/05/2006	2006	407773	A	mm	90.182
05/03/2006	2006	441398	A	mm	103.191

06/06/2006	2006	474865	A	mm		102.706
07/11/2006	2006	508714	A	mm		103.879
08/14/2006	2006	542467	A	mm		103.584
09/07/2006	2006	568918	A	mm		81.175
10/11/2006	2006	591340	A	mm		68.811
11/03/2006	2006	599273	A	mm		24.345
12/06/2006	2006	599273	A	mm		0
01/08/2007	2006	599273	A	mm		0
02/05/2007	2007	599273	A	mm		0
03/05/2007	2007	599273	A	mm		0
04/06/2007	2007	599273	A	mm		0
05/01/2007	2007	611527	A	mm		37.606
06/01/2007	2007	639672	A	mm		86.374
07/09/2007	2007	677900	A	mm		117.317
08/03/2007	2007	715793	A	mm		116.289
09/06/2007	2007	751592	A	mm		109.863
10/09/2007	2007	786654	A	mm		107.601
11/08/2007	2007	814465	A	mm		85.349
12/05/2007	2007	814465	A	mm		0
01/04/2008	2007	818960	A	mm		13.795
02/08/2008	2008	818960	A	mm		0
03/10/2008	2008	818960	A	mm		0
04/08/2008	2008	818960	A	mm		0
05/12/2008	2008	851457	A	mm		99.730
06/06/2008	2008	884223	A	mm		100.555
07/06/2008	2008	889896	A	mm		17.410
08/06/2008	2008	909399	A	mm		59.853
09/08/2008	2008	936791	A	mm		84.063
10/01/2008	2008	960159	A	rp		71.714
11/07/2008	2008	986340	A	mm		80.347
12/01/2008	2008	920	R	rp	Meter Rollover	44.744
01/01/2009	2008	4698	A	da		11.594
02/01/2009	2009	4698	A	mm		0
03/01/2009	2009	4698	A	mm		0
04/01/2009	2009	4799	A	mm		0.310
05/01/2009	2009	7744	A	mm		9.038
06/01/2009	2009	7744	A	mm		0
07/01/2009	2009	7744	A	mm		0
08/01/2009	2009	26585	A	mm		57.821
09/01/2009	2009	56873	A	mm		92.950
10/01/2009	2009	80683	A	mm		73.070
11/01/2009	2009	102614	A	mm		67.304
12/01/2009	2009	122798	A	mm		61.942
01/01/2010	2009	140043	A	mm		52.923
02/01/2010	2010	157614	A	mm		53.923
03/01/2010	2010	172123	A	mm		44.526
04/01/2010	2010	198681	A	mm		81.504

05/01/2010	2010	225451	A	mm	82.154
06/01/2010	2010	254291	A	mm	88.507
07/01/2010	2010	267806	A	mm	41.476
08/01/2010	2010	278064	A	mm	31.481
09/01/2010	2010	290604	A	mm	38.484
10/01/2010	2010	318035	A	mm	84.183
11/01/2010	2010	345196	A	mm	83.354
12/01/2010	2010	371364	A	mm	80.307
01/01/2011	2010	391312	A	mm	61.218
02/01/2011	2011	414556	A	mm	71.333
03/01/2011	2011	437605	A	mm	70.735
04/01/2011	2011	461621	A	mm	73.702
05/01/2011	2011	476275	A	mm	44.971
06/01/2011	2011	480742	A	mm	13.709
07/01/2011	2011	499440	A	mm	57.382
08/01/2011	2011	513099	A	mm	41.918
09/01/2011	2011	526733	A	mm	41.841
10/01/2011	2011	530948	A	mm	12.935
11/01/2011	2011	530948	A	mm	0
12/01/2011	2011	530948	A	mm	0
01/01/2012	2011	530948	A	mm	0
02/01/2012	2012	530948	A	mm	0
03/01/2012	2012	530948	A	mm	0
04/01/2012	2012	530948	A	mm	0
05/01/2012	2012	530948	A	mm	0
05/30/2012	2012	581431	A	mm	154.927
07/31/2012	2012	24749115	A	mm	0
08/01/2012	2012	25241946	A	mm	1.512
09/01/2012	2012	27111745	A	mm	5.738
10/01/2012	2012	27111745	A	mm	0
11/01/2012	2012	27111745	A	mm	0
12/01/2012	2012	27111745	A	mm	0
01/01/2013	2012	27111745	A	mm	0
02/01/2013	2013	27111745	A	mm	0
03/01/2013	2013	27111890	A	mm	0
04/01/2013	2013	27111890	A	sm	0
05/01/2013	2013	27111890	A	sm	0
06/01/2013	2013	27111890	A	mm	0
08/01/2013	2013	68192408	A	sm	126.071
09/01/2013	2013	77984124	A	ad	30.050
10/01/2013	2013	87137639	A	ad	28.091
11/01/2013	2013	96183405	A	ad	27.760
01/02/2014	2013	8975396	R	ad Meter Rollover	39.257
03/01/2014	2014	9603873	A	ad	1.929
04/01/2014	2014	9603873	A	ad	0
05/01/2014	2014	9603873	A	dc	0
06/01/2014	2014	9603879	A	dc	0

07/01/2014	2014	21717491	A	dc		37.175
08/01/2014	2014	60649713	A	dc		119.479
09/01/2014	2014	79756680	A	dc		58.637
10/01/2014	2014	92125668	A	dc		37.959
11/01/2014	2014	92823155	A	dc		2.141
12/01/2014	2014	92823155	A	cw		0
01/01/2015	2014	92823155	A	ad		0
02/01/2015	2015	928232	A	dc		0
02/02/2015	2015	928232	A	dc		0
02/28/2015	2015	944361	A	dc		49.500
03/31/2015	2015	980205	A	dc		110.000
04/30/2015	2015	996171	A	dc		49.000
05/01/2015	2015	4236	R	dc	Meter Rollover	24.749
05/22/2015	2015	16289	A	dc		36.989
06/08/2015	2015	32893	A	dc		50.955
07/01/2015	2015	57379	A	dc		75.147
08/01/2015	2015	82578	A	dc		77.333
09/01/2015	2015	106291	A	dc		72.771
10/01/2015	2015	127826	A	dc		66.089
11/01/2015	2015	138324	A	dc		32.216
12/01/2015	2015	146532	A	dc		25.189
01/04/2016	2015	149737	A	dc		9.837
03/01/2016	2016	153572	A	dc		11.768
04/01/2016	2016	167752	A	dc		43.518
05/01/2016	2016	172091	A	bf		13.314
05/31/2016	2016	0	A	bf	Initial Reading	0
06/01/2016	2016	0	A	dc		0
06/02/2016	2016	39908	A	dc		122.472
07/01/2016	2016	68830	A	dc		88.760
07/25/2016	2016	93353	A	dc		75.260
08/01/2016	2016	100939	A	dc		23.279
09/01/2016	2016	130047	A	dc		89.330
10/01/2016	2016	134430	A	dc		13.450
11/01/2016	2016	134430	A	dc		0
12/01/2016	2016	134430	A	dc		0
01/01/2017	2016	134430	A	bf		0
02/01/2017	2017	134430	A	dc		0
03/01/2017	2017	134430	A	bf		0
04/01/2017	2017	134430	A	dc		0
05/01/2017	2017	134430	A	bf		0
06/01/2017	2017	134430	A	bf		0
07/01/2017	2017	134430	A	dc		0
08/01/2017	2017	134430	A	dc		0
09/01/2017	2017	134430	A	dc		0
10/02/2017	2017	134430	A	cb		0

**YTD Meter Amounts: Year Amount

2000	481.561
2001	596.402
2002	658.701
2003	900.583
2004	394.594
2005	670.952
2006	688.080
2007	674.194
2008	570.010
2009	415.358
2010	771.117
2011	428.526
2012	162.177
2013	251.229
2014	257.320
2015	679.775
2016	481.151
2017	0

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10/30/17 10:02 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
	LRG 01905 S					329310	3585178

Driller License:	1034	Driller Company:	GUFFEY, R.L. INC.
Driller Name:	SCHIEFFER		
Drill Start Date:	09/14/1973	Drill Finish Date:	09/14/1973
Log File Date:	07/21/1983	PCW Rcv Date:	
Pump Type:	SUBMER	Pipe Discharge Size:	4"
Casing Size:	8.63	Depth Well:	369 feet
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	525 GPM
		Depth Water:	54 feet

Meter Number:	3740	Meter Make:	SIEMENS
Meter Serial Number:	12250016	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	838769	A	mm		0
09/14/2000	2000	273196	R	mm	Meter Rollover	133.321
01/11/2001	2000	479007	A	mm		63.161
03/05/2001	2001	527630	A	mm		14.922
03/14/2001	2001	574077	A	mm		14.254
04/09/2001	2001	635747	A	mm		18.926
06/07/2001	2001	682622	A	mm		4.964
06/07/2001	2001	666446	A	mm		9.421
07/09/2001	2001	682622	A	mm		0
08/13/2001	2001	682622	A	mm		0
09/01/2001	2001	5853290	A	mm		0
10/12/2001	2001	11106110	A	mm		16.120
11/09/2001	2001	15336060	A	mm		12.981
12/13/2001	2001	18427680	A	mm		9.488
01/11/2002	2001	21299050	A	mm		8.812
02/15/2002	2002	24245049	A	mm		9.041
03/28/2002	2002	26906020	A	mm		8.166
04/10/2002	2002	31318200	A	mm		13.540
05/14/2002	2002	36917900	A	mm		17.185
06/14/2002	2002	43750200	A	mm		20.968
07/11/2002	2002	51297140	A	mm		23.161
08/12/2002	2002	57024119	A	mm		17.575

09/10/2002	2002	63239040	A	mm	19.073
10/15/2002	2002	68629709	A	mm	16.543
11/19/2002	2002	72664410	A	mm	12.382
12/10/2002	2002	75828220	A	mm	9.709
01/13/2003	2002	78918220	A	mm	9.483
02/10/2003	2003	82458370	A	mm	10.864
03/10/2003	2003	85118970	A	mm	8.165
04/03/2003	2003	89718100	A	mm	14.114
05/06/2003	2003	94779960	A	mm	15.534
06/04/2003	2003	96416220	A	mm	5.021
07/07/2003	2003	98230990	A	mm	5.569
08/11/2003	2003	104895110	A	mm	20.451
09/05/2003	2003	106430920	A	mm	4.713
10/08/2003	2003	112008500	A	mm	17.117
11/12/2003	2003	116149830	A	mm	12.709
12/10/2003	2003	119582620	A	mm	10.535
01/14/2004	2003	123153120	A	mm	10.957
02/06/2004	2004	126581370	A	mm	10.521
03/15/2004	2004	129932730	A	mm	10.285
04/14/2004	2004	134140500	A	mm	12.913
05/13/2004	2004	138202770	A	mm	12.467
06/08/2004	2004	144130860	A	mm	18.193
07/12/2004	2004	150655110	A	mm	20.022
08/11/2004	2004	156963580	A	mm	19.360
09/15/2004	2004	162343940	A	mm	16.512
10/14/2004	2004	168745100	A	mm	19.644
12/23/2004	2004	173707550	A	mm	15.229
01/06/2005	2004	176777310	A	mm	9.421
02/07/2005	2005	178288210	A	mm	4.637
03/07/2005	2005	181265300	A	mm	9.136
04/07/2005	2005	184709170	A	mm	10.569
05/05/2005	2005	189055780	A	mm	13.339
06/06/2005	2005	198856530	A	mm	30.077
07/06/2005	2005	205813550	A	mm	21.350
08/08/2005	2005	213001600	A	mm	22.059
09/08/2005	2005	217967670	A	mm	15.240
10/13/2005	2005	222236760	A	mm	13.101
11/09/2005	2005	225603030	A	mm	10.331
12/09/2005	2005	228322440	A	mm	8.346
01/06/2006	2005	231374700	A	mm	9.367
02/13/2006	2006	236099660	A	mm	14.500
03/30/2006	2006	241960860	A	mm	17.987
04/05/2006	2006	244610050	A	mm	8.130
05/03/2006	2006	248743650	A	mm	12.686
06/06/2006	2006	256444890	A	mm	23.634
07/11/2006	2006	261241540	A	mm	14.720
08/14/2006	2006	264848010	A	mm	11.068

09/07/2006	2006	264848010	A	mm	0
10/11/2006	2006	264848010	A	mm	0
11/03/2006	2006	270464850	A	mm	17.237
12/06/2006	2006	279453900	A	mm	27.586
01/08/2007	2006	288250160	A	mm	26.995
02/05/2007	2007	297462250	A	mm	28.271
03/05/2007	2007	305411830	A	mm	24.396
04/06/2007	2007	314177580	A	mm	26.901
05/01/2007	2007	320534770	A	mm	19.509
06/01/2007	2007	325104800	A	mm	14.025
07/09/2007	2007	328518070	A	mm	10.475
08/03/2007	2007	330678390	A	mm	6.630
09/06/2007	2007	333015350	A	mm	7.172
10/01/2007	2007	337483640	A	mm	13.713
11/08/2007	2007	338300640	A	mm	2.507
12/05/2007	2007	341007300	A	mm	8.306
01/04/2008	2007	343129670	A	mm	6.513
02/08/2008	2008	344667000	A	mm	4.718
03/10/2008	2008	346200920	A	mm	4.707
04/08/2008	2008	352486410	A	mm	19.289
05/12/2008	2008	354593070	A	mm	6.465
06/06/2008	2008	359827210	A	mm	16.063
07/06/2008	2008	365749799	A	mm	18.176
08/08/2008	2008	370343099	A	mm	14.096
09/08/2008	2008	374597569	A	mm	13.056
10/01/2008	2008	378418238	A	rp	11.725
11/07/2008	2008	381890028	A	mm	10.655
12/01/2008	2008	382202400	A	rp	0.959
01/01/2009	2008	385692240	A	da	10.710
02/01/2009	2009	388072440	A	mm	7.305
03/01/2009	2009	392980360	A	mm	15.062
04/01/2009	2009	398640681	A	mm	17.371
05/01/2009	2009	404055621	A	mm	16.618
06/01/2009	2009	409509151	A	mm	16.736
07/01/2009	2009	414139341	A	mm	14.210
08/01/2009	2009	414868271	A	mm	2.237
09/01/2009	2009	420218590	A	mm	16.420
10/01/2009	2009	424576639	A	mm	13.374
11/01/2009	2009	429872332	A	mm	16.252
12/01/2009	2009	433238692	A	mm	10.331
01/01/2010	2009	436586862	A	mm	10.275
02/01/2010	2010	439648012	A	mm	9.394
03/01/2010	2010	441215302	A	mm	4.810
04/01/2010	2010	441215302	A	mm	0
05/01/2010	2010	441215302	A	mm	0
06/01/2010	2010	441215302	A	mm	0
07/01/2010	2010	445207062	A	mm	12.250

08/01/2010	2010	449888012	A	mm		14.365
09/01/2010	2010	455004482	A	mm		15.702
10/01/2010	2010	460514992	A	mm		16.911
11/01/2010	2010	464792552	A	mm		13.127
12/01/2010	2010	466795542	A	mm		6.147
01/01/2011	2010	468463861	A	mm		5.120
02/01/2011	2011	472449532	A	mm		12.232
03/01/2011	2011	478171612	A	mm		17.560
04/01/2011	2011	483593862	A	mm		16.640
05/01/2011	2011	488720322	A	mm		15.733
06/01/2011	2011	494025862	A	mm		16.282
07/01/2011	2011	4130540	A	mm		0
08/01/2011	2011	6581810	A	mm		7.523
11/01/2011	2011	1203210	R	mm	Meter Rollover	14.183
12/01/2011	2011	9506719	A	mm		25.483
01/01/2012	2011	239227	R	mm	Meter Rollover	2.248
02/01/2012	2012	239227	A	mm		0
03/01/2012	2012	239227	A	mm		0
04/01/2012	2012	239227	A	mm		0
05/01/2012	2012	239227	A	mm		0
08/01/2012	2012	239227	A	mm		0
09/01/2012	2012	239227	A	mm		0
10/01/2012	2012	5895950	A	mm		17.360
11/01/2012	2012	2935610	R	mm	Meter Rollover	21.604
12/01/2012	2012	6002099	A	mm		9.411
01/01/2013	2012	4926790	R	mm	Meter Rollover	27.389
02/01/2013	2013	3502810	R	mm	Meter Rollover	26.319
03/01/2013	2013	2913150	R	mm	Meter Rollover	28.879
04/01/2013	2013	8320941	A	sm		16.596
05/01/2013	2013	2285570	R	sm	Meter Rollover	12.167
06/01/2013	2013	1059080	R	mm	Meter Rollover	26.925
08/01/2013	2013	7035720	A	sm		18.342
09/01/2013	2013	1194370	R	ad	Meter Rollover	12.762
10/01/2013	2013	7215149	A	ad		18.477
11/01/2013	2013	3706840	R	ad	Meter Rollover	19.922
01/02/2014	2013	7610450	A	ad		11.980
01/08/2014	2014	9678040	A	dc		6.345
01/09/2014	2014	242200	R	dc	Meter Rollover	1.731
01/28/2014	2014	9878020	A	dc		29.571
01/29/2014	2014	419580	R	dc	Meter Rollover	1.662
01/31/2014	2014	1517170	A	dc		3.368
02/03/2014	2014	3195660	A	dc		5.151
02/14/2014	2014	9160920	A	dc		18.307
02/18/2014	2014	1340250	R	dc	Meter Rollover	6.688
02/28/2014	2014	6778570	A	dc		16.690
03/01/2014	2014	7336099	A	dc		1.711
03/05/2014	2014	9499789	A	dc		6.640

03/06/2014	2014	46070	R	dc	Meter Rollover	1.676
03/24/2014	2014	9979950	A	dc		30.486
03/25/2014	2014	350990	R	dc	Meter Rollover	1.139
04/01/2014	2014	4143710	A	dc		11.639
04/11/2014	2014	9575590	A	dc		16.670
04/14/2014	2014	1224680	R	dc	Meter Rollover	5.061
04/30/2014	2014	9889659	A	dc		26.592
05/01/2014	2014	258650	R	dc	Meter Rollover	1.132
05/23/2014	2014	9061350	A	dc		27.014
05/27/2014	2014	310940	R	dc	Meter Rollover	3.835
06/01/2014	2014	1417170	A	dc		3.395
06/19/2014	2014	9865010	A	dc		25.925
06/20/2014	2014	503920	R	dc	Meter Rollover	1.961
07/01/2014	2014	6267609	A	dc		17.688
07/07/2014	2014	9510780	A	dc		9.953
07/08/2014	2014	30890	R	dc	Meter Rollover	1.596
08/01/2014	2014	6593379	A	dc		20.140
08/29/2014	2014	9498229	A	dc		8.915
09/01/2014	2014	78470	R	dc	Meter Rollover	1.781
10/01/2014	2014	3100779	A	dc		9.275
11/01/2014	2014	7948610	A	dc		14.877
11/07/2014	2014	9440719	A	dc		4.579
11/08/2014	2014	170050	R	dc	Meter Rollover	2.238
12/01/2014	2014	3926089	A	dc		11.527
12/23/2014	2014	9867080	A	dc		18.232
01/01/2015	2014	2701790	R	dc	Meter Rollover	8.699
01/23/2015	2015	9886199	A	dc		22.048
02/01/2015	2015	3162130	R	dc	Meter Rollover	10.053
02/20/2015	2015	9622070	A	dc		19.825
03/01/2015	2015	1590650	R	dc	Meter Rollover	6.041
04/01/2015	2015	3268430	A	dc		5.149
05/01/2015	2015	7440979	A	dc		12.805
05/12/2015	2015	9972250	A	dc		7.768
06/10/2015	2015	3602320	R	dc	Meter Rollover	11.140
06/29/2015	2015	9005369	A	dc		16.581
07/01/2015	2015	4949250	R	dc	Meter Rollover	18.241
08/01/2015	2015	9929940	A	dc		15.285
08/02/2015	2015	2055270	R	dc	Meter Rollover	6.522
09/01/2015	2015	2253110	A	dc		0.607
10/01/2015	2015	9132190	A	dc		21.111
11/01/2015	2015	4245630	R	dc	Meter Rollover	15.693
12/03/2015	2015	8978880	A	dc		14.526
01/04/2016	2015	6111370	R	dc	Meter Rollover	21.889
03/01/2016	2016	9030130	A	bf		8.957
04/01/2016	2016	4679309	R	dc	Meter Rollover	17.337
05/01/2016	2016	7235230	A	bf		7.844
05/31/2016	2016	0	A	bf	Initial Reading	0

06/02/2016	2016	3	A	bf	FLD CHK w/ DC	0.008
07/01/2016	2016	17	A	dc		0.044
08/01/2016	2016	29863	E	DC		91.593
09/01/2016	2016	46812	A	dc		52.015
10/01/2016	2016	63481	A	dc		51.157
11/01/2016	2016	79818	A	dc		50.135
12/01/2016	2016	96751	A	dc		51.967
01/01/2017	2016	114204	A	bf		53.559
02/01/2017	2017	130031	A	dc		48.573
03/01/2017	2017	145257	A	bf		46.725
04/01/2017	2017	160388	A	dc		46.436
05/01/2017	2017	176516	A	bf		49.494
06/01/2017	2017	191931	A	bf		47.308
07/01/2017	2017	205489	A	dc		41.607
08/01/2017	2017	220224	A	dc		45.221
09/01/2017	2017	220224	A	dc		0
10/02/2017	2017	243110	A	cb		70.235

**YTD Meter Amounts:	Year	Amount
	2000	196.482
	2001	109.888
	2002	176.826
	2003	135.749
	2004	164.567
	2005	167.552
	2006	174.543
	2007	168.418
	2008	130.619
	2009	156.191
	2010	97.826
	2011	127.884
	2012	75.764
	2013	192.369
	2014	383.889
	2015	225.284
	2016	384.616
	2017	395.599

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10/30/17 10:03 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4 Sec TwS Rng	X	Y
	LRG 01905 S-2		330398	3580783

Driller License:	Driller Company:		
Driller Name:	COLE		
Drill Start Date:	10/08/1976	Drill Finish Date:	10/08/1976
Log File Date:		PCW Rcv Date:	
Pump Type:	SUBMER	Pipe Discharge Size:	4"
Casing Size:	12.00	Depth Well:	505 feet
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	750 GPM
		Depth Water:	26 feet

Meter Number:	3741	Meter Make:	HERSEY
Meter Serial Number:	0111899	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	627770	A	mm		0
09/14/2000	2000	200169	R	mm	Meter Rollover	175.663
01/11/2001	2000	493454	A	mm		90.006
03/05/2001	2001	572471	A	mm		24.249
03/14/2001	2001	641158	A	mm		21.079
04/09/2001	2001	715179	A	mm		22.716
06/07/2001	2001	841634	A	mm		19.246
06/07/2001	2001	778921	A	mm		19.562
07/09/2001	2001	895772	A	mm		16.614
08/13/2001	2001	946065	A	mm		15.434
09/10/2001	2001	987728	A	mm		12.786
10/12/2001	2001	14246	R	mm	Meter Rollover	8.138
11/09/2001	2001	26597	A	mm		3.790
12/13/2001	2001	90082	A	mm		19.483
01/11/2002	2002	97200	A	mm		2.184
03/10/2002	2002	99983	A	mm		0.854
04/10/2002	2002	99983	A	mm		0
05/10/2002	2002	99983	A	mm		0
06/10/2002	2002	99983	A	mm		0
07/11/2002	2002	35001	A	mm		0
08/12/2002	2002	59800	A	mm		7.611
09/10/2002	2002	77656	A	mm		5.480

10/15/2002	2002	77656	A	mm	0
11/19/2002	2002	77656	A	mm	0
12/10/2002	2002	77656	A	mm	0
01/13/2003	2002	77656	A	mm	0
02/10/2003	2003	77656	A	mm	0
03/10/2003	2003	77656	A	mm	0
04/03/2003	2003	77656	A	mm	0
05/06/2003	2003	77656	A	mm	0
06/04/2003	2003	92864	A	mm	4.667
07/07/2003	2003	97204	A	mm	1.332
08/11/2003	2003	134369	A	mm	11.406
09/05/2003	2003	166019	A	mm	9.713
10/08/2003	2003	166019	A	mm	0
11/12/2003	2003	166019	A	mm	0
12/10/2003	2003	166019	A	mm	0
01/14/2004	2003	166019	A	mm	0
02/06/2004	2004	166019	A	mm	0
03/15/2004	2004	166019	A	mm	0
04/14/2004	2004	166019	A	mm	0
05/13/2004	2004	178678	A	mm	3.885
06/08/2004	2004	229234	A	mm	15.515
07/12/2004	2004	258590	A	mm	9.009
08/11/2004	2004	279118	A	mm	6.300
09/15/2004	2004	279118	A	mm	0
10/14/2004	2004	279118	A	mm	0
12/23/2004	2004	279118	A	mm	0
01/06/2005	2004	279118	A	mm	0
02/07/2005	2005	279118	A	mm	0
03/07/2005	2005	279118	A	mm	0
04/07/2005	2005	279118	A	mm	0
05/05/2005	2005	279118	A	mm	0
06/06/2005	2005	279118	A	mm	0
07/06/2005	2005	279118	A	mm	0
08/08/2005	2005	279118	A	mm	0
09/08/2005	2005	279118	A	mm	0
10/13/2005	2005	279118	A	mm	0
11/09/2005	2005	279118	A	mm	0
12/09/2005	2005	279118	A	mm	0
01/06/2006	2005	279118	A	mm	0
02/13/2006	2006	279118	A	mm	0
03/30/2006	2006	279118	A	mm	0
04/05/2006	2006	279118	A	mm	0
05/03/2006	2006	279118	A	mm	0
06/06/2006	2006	279118	A	mm	0
07/11/2006	2006	279118	A	mm	0
08/14/2006	2006	279118	A	mm	0
09/07/2006	2006	279118	A	mm	0

10/11/2006	2006	279118	A	mm	0
11/03/2006	2006	279118	A	mm	0
12/06/2006	2006	279118	A	mm	0
01/08/2007	2006	279118	A	mm	0
02/05/2007	2007	279118	A	mm	0
03/05/2007	2007	279118	A	mm	0
04/06/2007	2007	279118	A	mm	0
05/01/2007	2007	279118	A	mm	0
06/01/2007	2007	279118	A	mm	0
07/09/2007	2007	279118	A	mm	0
08/03/2007	2007	279118	A	mm	0
09/06/2007	2007	279118	A	mm	0
10/09/2007	2007	279118	A	mm	0
11/08/2007	2007	279118	A	mm	0
12/05/2007	2007	279118	A	mm	0
01/04/2008	2007	279118	A	mm	0
02/08/2008	2008	279118	A	mm	0
03/10/2008	2008	279118	A	mm	0
04/08/2008	2008	279118	A	mm	0
05/12/2008	2008	279118	A	mm	0
06/06/2008	2008	279118	A	mm	0
07/06/2008	2008	279118	A	mm	0
08/06/2008	2008	279118	A	mm	0
09/08/2008	2008	279118	A	mm	0
10/01/2008	2008	279118	A	rp	0
11/07/2008	2008	279118	A	mm	0
12/01/2008	2008	279118	A	rp	0
01/01/2009	2008	279118	A	da	0
02/01/2009	2009	279118	A	mm	0
03/01/2009	2009	279118	A	mm	0
04/01/2009	2009	279118	A	mm	0
05/01/2009	2009	279118	A	mm	0
06/01/2009	2009	279118	A	mm	0
07/01/2009	2009	279118	A	mm	0
08/01/2009	2009	279118	A	mm	0
09/01/2009	2009	279118	A	mm	0
10/01/2009	2009	279118	A	mm	0
11/01/2009	2009	279118	A	mm	0
12/01/2009	2009	279118	A	mm	0
01/01/2010	2009	279118	A	mm	0
02/01/2010	2010	279118	A	mm	0
03/10/2010	2010	279118	A	mm	0
04/01/2010	2010	279118	A	mm	0
05/01/2010	2010	279118	A	mm	0
06/01/2010	2010	279118	A	mm	0
07/01/2010	2010	279118	A	mm	0
08/01/2010	2010	279118	A	mm	0

09/01/2010	2010	279118	A	mm	0
10/01/2010	2010	279118	A	mm	0
11/01/2010	2010	279118	A	mm	0
12/01/2010	2010	279118	A	mm	0
01/01/2011	2010	279118	A	mm	0
02/01/2011	2011	279118	A	mm	0
03/01/2011	2011	279118	A	mm	0
04/01/2011	2011	279118	A	mm	0
05/01/2011	2011	279118	A	mm	0
06/01/2011	2011	279118	A	mm	0
07/01/2011	2011	279118	A	mm	0
08/01/2011	2011	279118	A	mm	0
09/01/2011	2011	279118	A	mm	0
10/01/2011	2011	279118	A	mm	0
11/01/2011	2011	279118	A	mm	0
12/01/2011	2011	279118	A	mm	0
01/01/2012	2011	279118	A	mm	0
02/01/2012	2012	279118	A	mm	0
03/01/2012	2012	279118	A	mm	0
04/01/2012	2012	279118	A	mm	0
05/01/2012	2012	279118	A	mm	0
08/01/2012	2012	279118	A	mm	0
09/01/2012	2012	279118	A	mm	0
10/01/2012	2012	279118	A	mm	0
11/01/2012	2012	279118	A	mm	0
12/01/2012	2012	279118	A	mm	0
01/01/2013	2012	279118	A	mm	0
02/01/2013	2013	279118	A	mm	0
03/01/2013	2013	279118	A	mm	0
04/01/2013	2013	279118	A	sm	0
05/01/2013	2013	279118	A	sm	0
06/01/2013	2013	279118	A	mm	0
08/01/2013	2013	279118	A	sm	0
09/01/2013	2013	279118	A	ad	0
10/01/2013	2013	279118	A	ad	0
11/01/2013	2013	279118	A	ad	0
10/01/2014	2014	279118	A	dc	0
11/01/2014	2014	279118	A	dc	0
02/01/2015	2014	279118	A	ad	RDGS SENT 0
03/01/2015	2015	279118	A	ad	0
09/01/2015	2015	279118	A	dc	0
10/06/2015	2015	279118	A	dc	0
12/03/2015	2015	279118	A	dc	0
01/04/2016	2015	279118	A	dc	0
02/01/2016	2015	279118	A	bf	0
03/01/2016	2016	279118	A	bf	0
05/01/2016	2016	279118	A	bf	0

07/01/2016	2016	279118	A	dc	0
08/01/2016	2016	279118	A	dc	0
09/01/2016	2016	279118	A	dc	0
12/01/2016	2016	279118	A	dc	0
01/01/2017	2016	279118	A	bf	0
02/01/2017	2017	279118	A	dc	0
05/01/2017	2017	279118	A	bf	0
06/02/2017	2017	279118	A	bf	0
08/01/2017	2017	279118	A	dc	0
10/02/2017	2017	279118	A	cb	0

**YTD Meter Amounts:	Year	Amount
	2000	265.669
	2001	183.097
	2002	16.129
	2003	27.118
	2004	34.709
	2005	0
	2006	0
	2007	0
	2008	0
	2009	0
	2010	0
	2011	0
	2012	0
	2013	0
	2014	0
	2015	0
	2016	0
	2017	0

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 01905 S-3	4	1	4	27	22S	01E	328289	3582156*

Driller License:		Driller Company:			
Driller Name:	GUFFEY				
Drill Start Date:	05/18/1979	Drill Finish Date:	05/18/1979	Plug Date:	
Log File Date:		PCW Rcv Date:		Source:	Shallow
Pump Type:	SUBMER	Pipe Discharge Size:	4"	Estimated Yield:	800 GPM
Casing Size:	10.75	Depth Well:	503 feet	Depth Water:	16 feet

Meter Number:	3742	Meter Make:	SIEMENS
Meter Serial Number:	12250027	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	341051	A	mm		0
09/14/2000	2000	341051	A	mm		0
01/11/2001	2000	341051	A	mm		0
03/05/2001	2001	341051	A	mm		0
03/14/2001	2001	341051	A	mm		0
04/09/2001	2001	341051	A	mm		0
06/07/2001	2001	341051	A	mm		0
07/09/2001	2001	341051	A	mm		0
08/13/2001	2001	341051	A	mm		0
09/10/2001	2001	341051	A	mm		0
10/12/2001	2001	341051	A	mm		0
11/09/2001	2001	341051	A	mm		0
12/13/2001	2001	341051	A	mm		0
01/11/2002	2001	341051	A	mm		0
02/15/2002	2002	341051	A	mm		0
03/28/2002	2002	341051	A	mm		0
04/10/2002	2002	341051	A	mm		0
05/14/2002	2002	341051	A	mm		0
06/14/2002	2002	341051	A	mm		0
07/11/2002	2002	341051	A	mm		0
08/12/2002	2002	341051	A	mm		0
09/10/2002	2002	341051	A	mm		0

10/15/2002	2002	341051	A	mm	0
11/19/2002	2002	341051	A	mm	0
12/10/2002	2002	341051	A	mm	0
01/13/2003	2002	341051	A	mm	0
02/10/2003	2003	341051	A	mm	0
03/10/2003	2003	341051	A	mm	0
04/03/2003	2003	341051	A	mm	0
05/06/2003	2003	341051	A	mm	0
06/04/2003	2003	341051	A	mm	0
07/07/2003	2003	341051	A	mm	0
08/11/2003	2003	341051	A	mm	0
09/05/2003	2003	341051	A	mm	0
10/08/2003	2003	341051	A	mm	0
11/12/2003	2003	341051	A	mm	0
12/10/2003	2003	341051	A	mm	0
01/14/2004	2003	341051	A	mm	0
02/06/2004	2004	341051	A	mm	0
03/15/2004	2004	341051	A	mm	0
04/14/2004	2004	341051	A	mm	0
05/13/2004	2004	341051	A	mm	0
06/08/2004	2004	341051	A	mm	0
07/12/2004	2004	341051	A	mm	0
08/11/2004	2004	341051	A	mm	0
09/15/2004	2004	341051	A	mm	0
10/14/2004	2004	341051	A	mm	0
12/23/2004	2004	341051	A	mm	0
01/06/2005	2004	341051	A	mm	0
02/07/2005	2005	341051	A	mm	0
03/07/2005	2005	341051	A	mm	0
04/07/2005	2005	341051	A	mm	0
05/05/2005	2005	341051	A	mm	0
06/06/2005	2005	341051	A	mm	0
07/06/2005	2005	341051	A	mm	0
08/08/2005	2005	341051	A	mm	0
09/08/2005	2005	341051	A	mm	0
10/13/2005	2005	341051	A	mm	0
11/09/2005	2005	341051	A	mm	0
12/09/2005	2005	341051	A	mm	0
01/06/2006	2005	341051	A	mm	0
02/13/2006	2006	341051	A	mm	0
03/30/2006	2006	341051	A	mm	0
04/05/2006	2006	341051	A	mm	0
05/03/2006	2006	341051	A	mm	0
06/06/2006	2006	341051	A	mm	0
07/11/2006	2006	341051	A	mm	0
07/12/2006	2006	100	A	rs INITIAL READING SEE LETTER	0

08/14/2006	2006	3811	A	rs	11.389
09/07/2006	2006	3811	A	rs	0
10/11/2006	2006	3811	A	rs	0
11/03/2006	2006	3811	A	rs	0
12/06/2006	2006	13661	A	rs	30.229
01/08/2007	2006	18702	A	rs	15.470
02/05/2007	2007	23144	A	rs	13.632
03/05/2007	2007	29018	A	rs	18.027
04/06/2007	2007	47490	A	rs	56.688
05/01/2007	2007	62478	A	rs	45.996
06/01/2007	2007	64603	A	rs	6.521
07/09/2007	2007	74118	A	rs	29.200
08/03/2007	2007	82251	A	rs	24.959
09/06/2007	2007	86123	A	rs	11.883
10/09/2007	2007	86123	A	rs	0
11/08/2007	2007	86123	A	rs	0
12/05/2007	2007	86123	A	rs	0
01/01/2008	2007	90675	A	rs	13.970
02/01/2008	2008	103321	A	rs	38.809
03/21/2008	2008	133384	A	rs	92.260
04/08/2008	2008	139600	A	rs	19.076
05/12/2008	2008	143935	A	rs	13.304
06/06/2008	2008	148265	A	rs	13.288
07/06/2008	2008	161310	A	rs	40.034
08/06/2008	2008	166920	A	rs	17.216
09/08/2008	2008	170130	A	rs	9.851
10/01/2008	2008	171773	A	rs	5.042
11/07/2008	2008	172062	A	rs	0.887
12/01/2008	2008	176892	A	rs	14.823
01/01/2009	2008	186850	A	rs	30.560
02/01/2009	2009	200161	A	rs	40.850
03/01/2009	2009	213995	A	rs	42.455
04/01/2009	2009	232454	A	rs	56.649
05/01/2009	2009	241198	A	rs	26.834
06/01/2009	2009	250775	A	rs	29.391
07/01/2009	2009	263791	A	rs	39.945
08/01/2009	2009	275820	A	rs	36.916
09/01/2009	2009	285748	A	rs	30.468
10/01/2009	2009	289278	A	rs	10.833
11/01/2009	2009	292217	A	rs	9.019
12/01/2009	2009	292572	A	rs	1.089
01/01/2010	2009	292572	A	rs	0
02/01/2010	2010	292572	A	rs	0
03/10/2010	2010	293285	A	rs	2.188
04/01/2010	2010	293931	A	rs	1.983
05/01/2010	2010	301651	A	rs	23.692
06/01/2010	2010	318632	A	rs	52.113

07/01/2010	2010	332150	A	rs	41.485
08/01/2010	2010	340402	A	rs	25.324
09/01/2010	2010	346351	A	rs	18.257
10/01/2010	2010	355961	A	rs	29.492
11/01/2010	2010	360564	A	rs	14.126
12/01/2010	2010	360588	A	rs	0.074
01/01/2011	2010	360590	A	rs	0.006
02/01/2011	2010	360590	A	rs	0
03/01/2011	2011	363682	A	rs	9.489
04/01/2011	2011	367733	A	rs	12.432
05/01/2011	2011	368602	A	rs	2.667
06/01/2011	2011	368602	A	rs	0
07/01/2011	2011	368747	A	rs	0.445
08/01/2011	2011	369202	A	rs	1.396
09/01/2011	2011	374390	A	rs	15.921
10/01/2011	2011	390880	A	rs	50.606
11/01/2011	2011	403223	A	rs	37.879
12/01/2011	2011	407957	A	rs	14.528
01/01/2012	2011	415720	A	rs	23.824
02/01/2012	2012	425022	A	rs	28.547
03/01/2012	2012	437065	A	rs	36.959
04/01/2012	2012	448228	A	rs	34.258
05/01/2012	2012	454266	A	rs	18.530
08/01/2012	2012	497464	A	rs	132.570
09/01/2012	2012	512613	A	rs	46.491
10/01/2012	2012	515086	A	rs	7.589
11/01/2012	2012	520323	A	rs	16.072
12/01/2012	2012	520578	A	rs	0.783
01/01/2013	2012	520578	A	rs	0
02/01/2013	2013	520578	A	rs	0
03/01/2013	2013	520578	A	rs	0
04/01/2013	2013	527380	A	rs	20.875
05/01/2013	2013	528633	A	rs	3.845
06/01/2013	2013	531980	A	rs	10.272
08/01/2013	2013	534884	A	rs	8.912
09/01/2013	2013	543758	A	rs	27.233
10/01/2013	2013	543797	A	rs	0.120
11/01/2013	2013	543797	A	rs	0
01/02/2014	2013	543797	A	rs	0
03/01/2014	2014	544527	A	rs	2.240
04/01/2014	2014	546970	A	rs	7.497
05/01/2014	2014	555022	A	rs	24.711
06/01/2014	2014	559470	A	rs	13.650
08/01/2014	2014	559706	A	rs	0.724
09/01/2014	2014	559706	A	rs	0
10/01/2014	2014	561598	A	rs	5.806
11/01/2014	2014	568327	A	rs	20.651

12/01/2014	2014	568461	A	rs		0.411
01/01/2015	2014	568461	A	rs		0
02/03/2015	2015	0	A	rs	INITIAL READING FROM FIELD CHK	0
03/01/2015	2015	9400	A	rs		28.848
03/02/2015	2015	0	A	rs	FIX	0
05/01/2015	2015	4417	A	rs		13.555
06/01/2015	2015	5847	A	rs		4.389
07/01/2015	2015	5847	A	rs		0
08/01/2015	2015	5847	A	rs		0
09/01/2015	2015	5847	A	rs		0
10/06/2015	2015	5847	A	rs		0
12/03/2015	2015	5847	A	rs		0
01/04/2016	2015	5847	A	rs		0
02/01/2016	2016	5847	A	rs		0
03/01/2016	2016	5909	A	rs		0.191
04/01/2016	2016	5909	A	rs		0
05/01/2016	2016	5909	A	rs		0
05/31/2016	2016	0	A	rs	INITIAL READING	0
06/02/2016	2016	0	A	rs		0
07/01/2016	2016	0	A	rs		0
08/01/2016	2016	117	A	rs		0.358
09/01/2016	2016	117	A	rs		0
10/01/2016	2016	15723	A	rs		47.893
11/01/2016	2016	31111	A	rs		47.225
12/01/2016	2016	44258	A	rs		40.345
01/01/2017	2016	54253	A	rs		30.674
02/01/2017	2017	61153	A	dc		21.177
03/01/2017	2017	70758	A	bf		29.476
04/01/2017	2017	85983	A	dc		46.724
06/01/2017	2017	102067	A	bf		49.360
07/01/2017	2017	134619	A	dc		99.898
08/01/2017	2017	149240	A	dc		44.870
09/01/2017	2017	164554	A	dc		46.999
10/02/2017	2017	178554	A	cb		42.964

**YTD Meter Amounts:	Year	Amount
	2000	0
	2001	0
	2002	0
	2003	0
	2004	0
	2005	0
	2006	57.088
	2007	220.876
	2008	295.150
	2009	324.449

2010	208.740
2011	169.187
2012	321.799
2013	71.257
2014	75.690
2015	46.792
2016	166.686
2017	381.468

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X	Y
	LRG 01905 S-4		329768	3583041

Driller License:	663	Driller Company:	COLE DRILLING COMPANY
Driller Name:	GUFFEY		
Drill Start Date:	08/11/1982	Drill Finish Date:	09/14/1982
		Plug Date:	
Log File Date:	09/20/1982	PCW Rcv Date:	04/09/1984
		Source:	Shallow
Pump Type:	TURBIN	Pipe Discharge Size:	4"
		Estimated Yield:	500 GPM
Casing Size:	8.00	Depth Well:	425 feet
		Depth Water:	16 feet

Water Bearing Stratifications:	Top	Bottom	Description
	325	425	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	325	425

Meter Number:	3743	Meter Make:	SIEMENS
Meter Serial Number:	548003	Meter Multiplier:	1000.0000
Number of Dials:	5	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	703008	A	mm		0
01/11/2001	2000	188801	R	mm	Meter Rollover	149.084
03/05/2001	2001	308479	A	mm		36.728
03/14/2001	2001	424500	A	mm		35.606
04/09/2001	2001	553395	A	mm		39.556
06/07/2001	2001	673405	A	mm		36.830
06/07/2001	2001	786996	A	mm		34.860
07/09/2001	2001	822938	A	mm		11.030
08/13/2001	2001	948070	A	mm		38.402
09/10/2001	2001	75299	R	mm	Meter Rollover	39.045
10/12/2001	2001	195612	A	mm		36.923
11/09/2001	2001	320879	A	mm		38.443
12/13/2001	2001	434887	A	mm		34.988
01/11/2002	2001	451687	A	mm		5.156
02/15/2002	2002	457048	A	mm		1.645
03/28/2002	2002	601293	A	mm		44.267
04/10/2002	2002	715721	A	mm		35.117

05/14/2002	2002	829486	A	mm		34.913
06/14/2002	2002	936855	A	mm		32.950
07/11/2002	2002	30083	R	mm	Meter Rollover	28.611
08/12/2002	2002	131094	A	mm		30.999
09/10/2002	2002	235997	A	mm		32.194
10/15/2002	2002	306924	A	mm		21.767
11/19/2002	2002	387157	A	mm		24.623
12/10/2002	2002	456193	A	mm		21.186
01/13/2003	2002	516972	A	mm		18.652
02/10/2003	2003	576339	A	mm		18.219
03/10/2003	2003	622171	A	mm		14.065
04/03/2003	2003	635564	A	mm		4.110
05/06/2003	2003	635564	A	mm		0
06/04/2003	2003	658376	A	mm		7.001
07/07/2003	2003	752227	A	mm		28.802
08/11/2003	2003	858042	A	mm		32.473
09/05/2003	2003	957286	A	mm		30.457
10/08/2003	2003	53005	R	mm	Meter Rollover	29.375
11/12/2003	2003	145945	A	mm		28.522
12/10/2003	2003	202958	A	mm		17.497
01/14/2004	2004	3294606	A	mm		0
02/06/2004	2004	3392206	A	mm		29.952
03/15/2004	2004	3485137	A	mm		28.519
04/14/2004	2004	3581826	A	mm		29.673
05/13/2004	2004	3671508	A	mm		27.522
06/08/2004	2004	3763942	A	mm		28.367
07/12/2004	2004	3855463	A	mm		28.087
08/11/2004	2004	3941159	A	mm		26.299
09/15/2004	2004	4003416	A	mm		19.106
11/09/2004	2004	4067451	A	mm		19.652
12/23/2004	2004	4103615	A	mm		11.098
01/06/2005	2004	4120982	A	mm		5.330
02/07/2005	2005	4153449	A	mm		9.964
03/07/2005	2005	4165330	A	mm		3.646
04/07/2005	2005	4246095	A	mm		24.786
05/05/2005	2005	4275559	A	mm		9.042
06/06/2005	2005	4364741	A	mm		27.369
07/06/2005	2005	4439220	A	mm		22.857
08/08/2005	2005	4532040	A	mm		28.485
09/08/2005	2005	4607181	A	mm		23.060
10/13/2005	2005	4695728	A	mm		27.174
11/09/2005	2005	4784731	A	mm		27.314
12/09/2005	2005	4877836	A	mm		28.573
01/06/2006	2005	4974530	A	mm		29.674
02/13/2006	2006	5071644	A	mm		29.803
03/30/2006	2006	5154985	A	mm		25.576
04/05/2006	2006	5160044	A	mm		1.553

05/03/2006	2006	5164474	A	mm	1.360
06/06/2006	2006	5229172	A	mm	19.855
07/11/2006	2006	5352336	A	mm	37.798
08/01/2006	2006	5459112	A	mm	32.768
09/01/2006	2006	5572396	A	mm	34.766
10/10/2006	2006	5682956	A	mm	33.930
11/01/2006	2006	5795013	A	mm	34.389
12/01/2006	2006	5895158	A	mm	30.733
01/01/2007	2006	5984385	A	mm	27.383
02/01/2007	2007	6079858	A	mm	29.300
03/01/2007	2007	6177876	A	mm	30.081
04/01/2007	2007	6266699	A	mm	27.259
05/01/2007	2007	6332609	A	mm	20.227
06/01/2007	2007	6422564	A	mm	27.606
07/09/2007	2007	6503940	A	mm	24.973
08/03/2007	2007	6550136	A	mm	14.177
09/06/2007	2007	6631161	A	mm	24.866
10/09/2007	2007	6674832	A	mm	13.402
11/08/2007	2007	6681509	A	mm	2.049
12/05/2007	2007	6724099	A	mm	13.070
01/04/2008	2008	0	A	mm	0
02/08/2008	2008	98089	A	mm	30.102
03/07/2008	2008	182878	A	mm	26.021
04/08/2008	2008	281293	A	mm	30.202
05/12/2008	2008	356546	A	mm	23.094
06/06/2008	2008	431521	A	mm	23.009
07/06/2008	2008	516421	A	mm	26.055
08/06/2008	2008	582266	A	mm	20.207
09/08/2008	2008	640186	A	mm	17.775
10/01/2008	2008	679880	A	rp	12.182
11/07/2008	2008	712004	A	mm	9.858
12/01/2008	2008	763682	A	rp	15.859
01/01/2009	2008	849014	A	sg	26.187
02/01/2009	2009	948129	A	mm	30.417
03/01/2009	2009	33282	R	mm	Meter Rollover 26.132
04/01/2009	2009	130121	A	mm	29.719
05/01/2009	2009	217211	A	mm	26.727
06/01/2009	2009	297834	A	mm	24.742
07/01/2009	2009	382385	A	mm	25.948
08/01/2009	2009	460974	A	mm	24.118
09/01/2009	2009	539572	A	mm	24.121
10/01/2009	2009	604041	A	mm	19.785
11/01/2009	2009	642993	A	mm	11.954
12/01/2009	2009	675047	A	mm	9.837
01/01/2010	2009	716920	A	mm	12.850
02/01/2010	2010	749379	A	mm	9.961
03/10/2010	2010	785785	A	mm	11.173

04/01/2010	2010	834717	A	mm		15.017
05/01/2010	2010	895957	A	mm		18.794
06/01/2010	2010	980620	A	mm		25.982
07/01/2010	2010	33329	R	mm	Meter Rollover	16.176
08/01/2010	2010	33329	A	mm		0
09/01/2010	2010	33329	A	mm		0
10/01/2010	2010	33329	A	mm		0
11/01/2010	2010	33329	A	mm		0
12/01/2010	2010	33329	A	mm		0
01/01/2011	2010	37753	A	mm		1.358
01/01/2011	2011	3775325	A	mm		0
02/01/2011	2011	6484247	A	mm		8.313
03/01/2011	2011	6484247	A	mm		0
04/01/2011	2011	16225300	A	mm		29.894
05/01/2011	2011	32521690	A	mm		50.012
06/01/2011	2011	49016900	A	mm		50.622
06/02/2011	2011	49520812	A	mm		1.546
07/01/2011	2011	62312496	A	mm		39.256
08/01/2011	2011	77956050	A	mm		48.008
09/01/2011	2011	93808587	A	mm		48.650
10/01/2011	2011	8707670	A	mm		26.723
10/01/2011	2011	0	A	mm		0
11/01/2011	2011	23620528	A	mm		45.766
12/01/2011	2011	39158783	A	mm		47.685
01/01/2012	2011	54272842	A	mm		46.383
02/01/2012	2012	83142600	A	mm		42.164
02/01/2012	2012	69403429	A	mm		46.434
04/01/2012	2012	93604442	A	mm		32.106
05/01/2012	2012	3795964	R	mm	Meter Rollover	31.277
08/01/2012	2012	12931680	A	mm		28.036
10/01/2012	2012	24963705	A	mm		36.925
11/01/2012	2012	40999734	A	mm		49.213
12/01/2012	2012	55922026	A	mm		45.795
01/01/2013	2012	71450969	A	mm		47.657
02/01/2013	2013	87124888	A	mm		48.101
03/01/2013	2013	1044013	R	mm	Meter Rollover	42.716
04/01/2013	2013	16899204	A	sm		48.658
05/01/2013	2013	28564923	A	sm		35.801
06/01/2013	2013	36641447	A	mm		24.786
08/01/2013	2013	59702317	A	sm		70.771
09/01/2013	2013	72465896	A	ad		39.170
10/01/2013	2013	83988889	A	ad		35.363
11/01/2013	2013	94500583	A	ad		32.259
01/02/2014	2013	97701662	A	ad		9.824
01/09/2014	2014	99917866	A	dc		6.801
01/10/2014	2014	32134	R	dc	Meter Rollover	0.351
02/03/2014	2014	5254940	A	dc		16.028

03/01/2014	2014	14532615	A	dc		28.472
04/01/2014	2014	29208532	A	dc		45.039
05/01/2014	2014	43432091	A	dc		43.650
06/01/2014	2014	57491310	A	dc		43.146
07/01/2014	2014	69100228	A	dc		35.626
08/01/2014	2014	82088561	A	dc		39.860
09/01/2014	2014	96671713	A	dc		44.754
09/05/2014	2014	98554578	A	dc		5.778
09/09/2014	2014	875	R	dc	Meter Rollover	4.439
10/01/2014	2014	10219825	A	dc		31.361
11/01/2014	2014	24486611	A	dc		43.783
12/01/2014	2014	38555897	A	dc		43.177
01/01/2015	2014	51614701	A	dc		40.076
02/01/2015	2015	61110194	A	dc		29.141
03/01/2015	2015	68566079	A	dc		22.881
04/01/2015	2015	77292275	A	dc		26.780
05/01/2015	2015	91202449	A	dc		42.689
05/19/2015	2015	99550743	A	dc		25.620
06/01/2015	2015	5471128	R	dc	Meter Rollover	18.169
07/01/2015	2015	19328354	A	dc		42.526
08/01/2015	2015	32740482	A	dc		41.160
09/01/2015	2015	46993159	A	dc		43.740
10/06/2015	2015	60627357	A	dc		41.842
11/01/2015	2015	73663013	A	dc		40.005
12/03/2015	2015	87630273	A	dc		42.864
01/04/2016	2015	99771126	A	dc		37.259
02/01/2016	2016	9521629	R	dc	Meter Rollover	29.923
03/01/2016	2016	22540633	A	bf		39.954
04/01/2016	2016	30120302	A	dc		23.261
05/01/2016	2016	30120302	A	bf		0
06/23/2016	2016	0	A	dc	INITIAL RDG	0
07/25/2016	2016	9061	A	dc		27.808
08/01/2016	2016	11456	A	dc		7.348
09/01/2016	2016	14485	A	dc		9.296
10/01/2016	2016	14485	A	dc		0
11/01/2016	2016	14485	A	dc		0
12/01/2016	2016	14485	A	dc		0
01/01/2017	2016	14485	A	bf		0
02/01/2017	2017	14485	A	dc		0
03/01/2017	2017	14485	A	bf		0
04/01/2017	2017	14485	A	dc		0
05/01/2017	2017	27002	A	bf		38.414
06/01/2017	2017	38895	A	bf		36.500
07/01/2017	2017	49087	A	dc		31.277
08/01/2017	2017	60122	A	dc		33.865
09/01/2017	2017	76527	A	dc		50.344
10/02/2017	2017	91192	A	cb		45.005

**YTD Meter Amounts:	Year	Amount
	2000	149.084
	2001	387.567
	2002	326.924
	2003	210.521
	2004	253.605
	2005	261.944
	2006	309.914
	2007	227.010
	2008	260.551
	2009	266.350
	2010	98.461
	2011	442.858
	2012	359.607
	2013	387.449
	2014	472.341
	2015	454.676
	2016	137.590
	2017	235.405

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10/30/17 10:10 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X	Y
	LRG 01905 S-5		328551	3584227

Driller License:	1034	Driller Company:	GUFFEY, R.L. INC.
Driller Name:	GUFFEY, R.L. INC.		
Drill Start Date:	05/01/1987	Drill Finish Date:	05/01/1987
Log File Date:	07/23/1987	PCW Rcv Date:	07/07/1989
Pump Type:	TURBIN	Pipe Discharge Size:	4"
Casing Size:		Depth Well:	716 feet
		Depth Water:	10 feet

Water Bearing Stratifications:	Top	Bottom	Description
	340	590	Sandstone/Gravel/Conglomerate

Meter Number:	3744	Meter Make:	SIEMENS
Meter Serial Number:	12250015	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/13/2000	2000	45435	A	mm		0
01/11/2001	2000	87601	A	mm		129.403
03/05/2001	2001	87601	A	mm		0
03/14/2001	2001	87601	A	mm		0
04/09/2001	2001	90536	A	mm		9.007
06/07/2001	2001	98328	A	mm		23.913
06/07/2001	2001	102373	A	mm		12.414
07/09/2001	2001	110704	A	mm		25.567
08/13/2001	2001	122205	A	mm		35.295
09/10/2001	2001	124995	A	mm		8.562
10/12/2001	2001	124995	A	mm		0
11/09/2001	2001	136201	A	mm		34.390
12/13/2001	2001	141036	A	mm		14.838
01/11/2002	2001	141036	A	mm		0
02/15/2002	2002	141036	A	mm		0
03/28/2002	2002	141036	A	mm		0
04/10/2002	2002	150517	A	mm		29.096
05/14/2002	2002	163812	A	mm		40.801
06/14/2002	2002	177253	A	mm		41.249

07/11/2002	2002	190939	A	mm	42.001
08/12/2002	2002	201712	A	mm	33.061
09/10/2002	2002	211311	A	mm	29.458
10/15/2002	2002	220653	A	mm	28.670
11/12/2002	2002	230849	A	mm	31.290
12/10/2002	2002	240980	A	mm	31.091
01/13/2003	2002	250101	A	mm	27.991
02/10/2003	2003	254117	A	mm	12.325
03/10/2003	2003	254117	A	mm	0
04/03/2003	2003	259966	A	mm	17.950
05/06/2003	2003	270010	A	mm	30.824
06/04/2003	2003	281782	A	mm	36.127
07/07/2003	2003	292213	A	mm	32.012
08/11/2003	2003	302592	A	mm	31.852
09/05/2003	2003	313123	A	mm	32.318
10/08/2003	2003	321665	A	mm	26.214
11/12/2003	2003	325452	A	mm	11.622
12/10/2003	2003	325465	A	mm	0.040
01/14/2004	2003	329460	A	mm	12.260
04/14/2004	2004	336725	A	mm	22.295
04/15/2004	2004	12	A	mm	0
06/08/2004	2004	14470	A	mm	44.370
07/12/2004	2004	40777	A	mm	80.733
08/11/2004	2004	63265	A	mm	69.013
09/15/2004	2004	88432	A	mm	77.235
11/09/2004	2004	113207	A	mm	76.032
12/23/2004	2004	158875	A	mm	140.150
01/06/2005	2004	180659	A	mm	66.853
02/07/2005	2005	200769	A	mm	61.715
03/07/2005	2005	219152	A	mm	56.415
04/07/2005	2005	220789	A	mm	5.024
05/05/2005	2005	222334	A	mm	4.741
06/06/2005	2005	230645	A	mm	25.506
07/06/2005	2005	245943	A	mm	46.948
08/08/2005	2005	265014	A	mm	58.527
09/08/2005	2005	273255	A	mm	25.291
10/13/2005	2005	282573	A	mm	28.596
11/09/2005	2005	303009	A	mm	62.716
12/09/2005	2005	322842	A	mm	60.865
01/06/2006	2005	342391	A	mm	59.994
02/13/2006	2006	361538	A	mm	58.760
03/30/2006	2006	378944	A	mm	53.417
04/05/2006	2006	387225	A	mm	25.413
05/03/2006	2006	401350	A	mm	43.348
06/06/2006	2006	418276	A	mm	51.944
07/11/2006	2006	433436	A	mm	46.524
08/14/2006	2006	439458	A	mm	18.481

09/07/2006	2006	439458	A	mm	0
10/11/2006	2006	439458	A	mm	0
11/03/2006	2006	439458	A	mm	0
12/06/2006	2006	439458	A	mm	0
01/08/2007	2006	439458	A	mm	0
02/01/2007	2007	439458	A	mm	0
03/01/2007	2007	439458	A	mm	0
04/01/2007	2007	439458	A	mm	0
05/01/2007	2007	439458	A	mm	0
06/01/2007	2007	439458	A	mm	0
07/09/2007	2007	439458	A	mm	0
08/03/2007	2007	441353	A	mm	5.816
09/06/2007	2007	442873	A	mm	4.665
10/09/2007	2007	444220	A	mm	4.134
11/08/2007	2007	444220	A	mm	0
12/05/2007	2007	452330	A	mm	24.889
01/04/2008	2007	467693	A	mm	47.147
02/08/2008	2008	470697	A	mm	9.219
03/12/2008	2008	470697	A	mm	0
04/30/2008	2008	470697	A	mm	0
05/12/2008	2008	470697	A	mm	0
06/06/2008	2008	470697	A	mm	0
07/06/2008	2008	506696	A	mm	110.477
08/08/2008	2008	514066	A	mm	22.618
09/08/2008	2008	514066	A	mm	0
10/01/2008	2008	514066	A	rp	0
11/07/2008	2008	514066	A	mm	0
12/01/2008	2008	514066	A	rp	0
01/01/2009	2008	514066	A	sg	0
02/01/2009	2009	514066	A	mm	0
03/01/2009	2009	514066	A	mm	0
04/01/2009	2009	514066	A	mm	0
05/01/2009	2009	534750	A	mm	63.477
06/01/2009	2009	574332	A	mm	121.473
07/01/2009	2009	612224	A	mm	116.286
08/01/2009	2009	626666	A	mm	44.321
09/01/2009	2009	626666	A	mm	0
10/01/2009	2009	627077	A	mm	1.261
11/01/2009	2009	627077	A	mm	0
12/01/2009	2009	627077	A	mm	0
01/01/2010	2009	627077	A	mm	0
02/02/2010	2010	627077	A	mm	0
03/10/2010	2010	627077	A	mm	0
04/01/2010	2010	627077	A	mm	0
05/01/2010	2010	627077	A	mm	0
06/01/2010	2010	627077	A	mm	0
07/01/2010	2010	665022	A	mm	116.449

08/01/2010	2010	701029	A	mm		110.501
09/01/2010	2010	733299	A	mm		99.033
10/01/2010	2010	733299	A	mm		0
11/01/2010	2010	733299	A	mm		0
12/01/2010	2010	733367	A	mm		0.209
01/01/2011	2010	733367	A	mm		0
02/01/2011	2011	733367	A	mm		0
03/01/2011	2011	733367	A	mm		0
04/01/2011	2011	733367	A	mm		0
05/01/2011	2011	750044	A	mm		51.180
06/01/2011	2011	791537	A	mm		127.337
07/01/2011	2011	830427	A	mm		119.349
08/01/2011	2011	865840	A	mm		108.679
09/01/2011	2011	879256	A	mm		41.172
10/01/2011	2011	1090990	A	mm		0.650
11/01/2011	2011	24160112	A	mm		70.797
05/01/2012	2012	48550486	A	mm		74.851
08/01/2012	2012	52071485	A	mm		10.806
10/01/2012	2012	13812098	R	mm	Meter Rollover	189.475
11/01/2012	2012	13812098	A	mm		0
12/01/2012	2012	13812098	A	mm		0
01/01/2013	2012	13812098	A	mm		0
02/01/2013	2013	13812098	A	mm		0
03/01/2013	2013	13812098	A	mm		0
04/01/2013	2013	13812098	A	sm		0
05/01/2013	2013	43391246	A	sm		90.775
06/01/2013	2013	80511375	A	mm		113.917
07/23/2013	2013	99396587	A	sm		57.957
08/01/2013	2013	2107168	R	sm	Meter Rollover	8.318
09/01/2013	2013	2107168	A	ad		0
10/01/2013	2013	2107168	A	ad		0
11/01/2013	2013	2107168	A	ad		0
01/02/2014	2013	2107168	A	ad		0
03/01/2014	2014	2107168	A	ad		0
04/01/2014	2014	2107168	A	ad		0
05/01/2014	2014	2107168	A	dc		0
06/01/2014	2014	23972407	A	dc		67.102
08/01/2014	2014	37932576	A	dc		42.842
09/01/2014	2014	37932576	A	dc		0
10/01/2014	2014	37932576	A	dc		0
11/01/2014	2014	37932576	A	dc		0
12/01/2014	2014	37932576	A	cw		0
01/01/2015	2014	39745403	A	ad		5.563
02/01/2015	2015	39745403	A	ad		0
03/01/2015	2015	39745403	A	ad		0
04/01/2015	2015	39745403	A	ad		0
05/01/2015	2015	49989582	A	dc		31.438

06/01/2015	2015	49989582	A	dc		0
07/01/2015	2015	53288100	A	dc		10.123
09/01/2015	2015	53288100	A	dc		0
10/06/2015	2015	53288100	A	dc		0
12/03/2015	2015	53288100	A	dc		0
01/04/2016	2015	53288100	A	dc		0
02/01/2016	2016	53288100	A	bf		0
03/01/2016	2016	53288100	A	bf		0
04/01/2016	2016	53288100	A	dc		0
05/01/2016	2016	53288100	A	bf		0
05/31/2016	2016	0	A	bf	Initial Reading	0
06/02/2016	2016	34	A	bf	FLD CHK w/ DC	0.106
07/01/2016	2016	40	A	dc		0.018
08/01/2016	2016	49188	A	dc		150.827
09/01/2016	2016	49188	A	dc		0
10/01/2016	2016	51259	A	dc		6.358
11/01/2016	2016	54404	A	dc		9.649
12/01/2016	2016	54404	A	dc		0
01/01/2017	2016	54404	A	bf		0
02/01/2017	2017	55730	A	dc		4.070
03/01/2017	2017	55730	A	bf		0
04/01/2017	2017	62517	A	dc		20.829
05/01/2017	2017	65862	A	bf		10.267
06/01/2017	2017	76680	A	bf		33.197
07/01/2017	2017	97410	A	dc		63.619
08/01/2017	2017	109300	A	dc		36.490
09/01/2017	2017	109300	A	dc		0
10/05/2017	2017	109300	A	cb		0

**YTD Meter Amounts:	Year	Amount
	2000	129.403
	2001	163.986
	2002	334.708
	2003	243.544
	2004	576.681
	2005	496.338
	2006	297.887
	2007	86.651
	2008	142.314
	2009	346.818
	2010	326.192
	2011	519.164
	2012	275.132
	2013	270.967
	2014	115.507
	2015	41.561
	2016	166.958

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 04250	1	2	1	17	23S	01E		

Driller License:	Driller Company:	
Driller Name: LAR-JON		
Drill Start Date: 03/31/1978	Drill Finish Date: 03/31/1978	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size:	Estimated Yield: 2400 GPM
Casing Size: 12.00	Depth Well: 400 feet	Depth Water:

Meter Number: 2466	Meter Make: MCCROMETER
Meter Serial Number: 9970696	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/10/2001	2001	175816	A	mm		0
03/01/2001	2001	175816	A	mm		0
03/29/2001	2001	175816	A	mm		0
05/07/2001	2001	175816	A	mm		0
06/05/2001	2001	175816	A	mm		0
07/03/2001	2001	175816	A	mm		0
08/16/2001	2001	175816	A	mm		0
10/03/2001	2001	175816	A	mm		0
11/09/2001	2001	175934	A	mm		0.036
01/10/2002	2001	175934	A	mm		0
04/04/2002	2002	175934	A	mm		0
05/10/2002	2002	175934	A	mm		0
07/10/2002	2002	175934	A	mm		0
07/31/2002	2002	175934	A	mm		0
10/15/2002	2002	175934	A	mm		0
11/18/2002	2002	175934	A	mm		0
12/10/2002	2002	175934	A	mm		0
01/16/2003	2002	175934	A	mm		0
02/05/2003	2003	175934	A	mm		0
05/27/2003	2003	175934	A	mm		0
06/01/2003	2003	175934	A	mm		0
08/05/2003	2003	175934	A	mm		0

09/19/2003	2003	175934	A	mm	0
10/15/2003	2003	175934	A	mm	0
12/23/2003	2003	175934	A	mm	0
01/16/2004	2003	175934	A	mm	0
02/16/2004	2004	175934	A	mm	0
03/24/2004	2004	175934	A	mm	0
04/21/2004	2004	175934	A	mm	0
06/01/2004	2004	175934	A	mm	0
07/06/2004	2004	175934	A	mm	0
10/14/2004	2004	175934	A	mm	0
12/13/2004	2004	175934	A	mm	0
01/21/2005	2004	175934	A	mm	0
03/08/2005	2005	175934	A	mm	0
04/19/2005	2005	175934	A	mm	0
05/01/2005	2005	175934	A	mm	0
06/01/2005	2005	175934	A	mm	0
07/01/2005	2005	175934	A	mm	0
01/06/2006	2005	175934	A	mm	0
04/17/2006	2006	175934	A	mm	0
04/30/2006	2006	168331	A	mm	0
06/30/2006	2006	168331	A	mm	0
07/31/2006	2006	168331	A	mm	0
08/31/2006	2006	168331	A	mm	0
10/17/2006	2006	168331	A	mm	0
10/30/2006	2006	168331	A	mm	0
11/30/2006	2006	168331	A	mm	0
01/18/2007	2006	168331	A	mm	0
01/31/2007	2007	168331	A	mm	0
02/28/2007	2007	168331	A	mm	0
04/10/2007	2007	168331	A	mm	0
04/30/2007	2007	168331	A	mm	0
05/31/2007	2007	168331	A	mm	0
06/30/2007	2007	168331	A	mm	0
10/31/2007	2007	168331	A	mm	0
11/30/2007	2007	168331	A	mm	0
12/31/2007	2007	168331	A	mm	0
01/31/2008	2008	168331	A	mm	0
02/29/2008	2008	168331	A	mm	0
03/31/2008	2008	168331	A	mm	0
04/30/2008	2008	168331	A	mm	0
05/31/2008	2008	168331	A	mm	0
06/20/2008	2008	168331	A	mm	0
07/31/2008	2008	168331	A	mm	0
08/31/2008	2008	168331	A	mm	0
09/30/2008	2008	168331	A	mm	0
10/31/2008	2008	168331	A	mm	0
11/30/2008	2008	168331	A	mm	0

01/15/2009	2008	168331	A	mm	0
09/04/2015	2015	168331	A	dc	0
10/06/2015	2015	168331	A	dc	0
11/05/2015	2015	168331	A	bf	0
01/04/2016	2015	168331	A	dc	0
02/01/2016	2016	168331	A	bf	0
03/01/2016	2016	168331	A	bf	0
05/01/2016	2016	168331	A	bf	0
12/01/2016	2016	168331	A	dc	0

**YTD Meter Amounts:	Year	Amount
	2001	0.036
	2002	0
	2003	0
	2004	0
	2005	0
	2006	0
	2007	0
	2008	0
	2015	0
	2016	0

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 04250 S	3	4	1	17	23S	01E	324414	3576084

Driller License:	611	Driller Company:	JOHNSON DRILLING COMPANY
Driller Name:	JOHNSON, LARRY F.		
Drill Start Date:	05/21/1997	Drill Finish Date:	08/15/1997
Log File Date:	10/06/1997	PCW Rcv Date:	
Pump Type:	SUBMER	Pipe Discharge Size:	
Casing Size:	12.00	Depth Well:	600 feet
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	1200 GPM
		Depth Water:	117 feet

Water Bearing Stratifications:	Top	Bottom	Description
	370	520	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	370	520

Meter Number:	2468	Meter Make:	SIEMENS
Meter Serial Number:	12550039	Meter Multiplier:	1000.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/10/2001	2001	758790	A	mm		0
03/01/2001	2001	838060	A	mm		24.327
03/29/2001	2001	882330	A	mm		13.586
05/07/2001	2001	952610	A	mm		21.568
06/05/2001	2001	102030	R	mm	Meter Rollover	45.855
07/03/2001	2001	111374	A	mm		2.868
08/16/2001	2001	120768	A	mm		2.883
10/03/2001	2001	138533	A	mm		5.452
11/09/2001	2001	145635	A	mm		2.180
12/12/2001	2001	151189	A	mm		1.704
01/11/2002	2001	155458	A	mm		1.310
02/14/2002	2002	155458	A	mm		0
03/06/2002	2002	164426	A	mm		2.752
04/04/2002	2002	168300	A	mm		1.189
07/10/2002	2002	168305	A	mm		0.002
07/31/2002	2002	168309	A	mm		0.001
09/06/2002	2002	168330	A	mm		0.006

10/15/2002	2002	168331	A	mm	0
11/18/2002	2002	168331	A	mm	0
12/10/2002	2002	168333	A	mm	0.001
01/16/2003	2002	168333	A	mm	0
02/05/2003	2003	168333	A	mm	0
03/01/2003	2003	168333	A	mm	0
04/01/2003	2003	168333	A	mm	0
05/01/2003	2003	168333	A	mm	0
06/01/2003	2003	168333	A	mm	0
07/17/2003	2003	168333	A	mm	0
08/05/2003	2003	168333	A	mm	0
09/19/2003	2003	168333	A	mm	0
10/15/2003	2003	168333	A	mm	0
11/19/2003	2003	168333	A	mm	0
12/23/2003	2003	168333	A	mm	0
01/16/2004	2003	168333	A	mm	0
02/16/2004	2004	168333	A	mm	0
03/24/2004	2004	168550	A	mm	0.067
04/21/2004	2004	168550	A	mm	0
06/01/2004	2004	168550	A	mm	0
07/06/2004	2004	168550	A	mm	0
10/28/2004	2004	168550	A	mm	0
12/13/2004	2004	168550	A	mm	0
01/21/2005	2004	168550	A	mm	0
03/08/2005	2005	168550	A	mm	0
04/19/2005	2005	168550	A	mm	0
05/01/2005	2005	168550	A	mm	0
06/01/2005	2005	168550	A	mm	0
07/01/2005	2005	168550	A	mm	0
01/06/2006	2005	168550	A	mm	0
04/17/2006	2006	168550	A	mm	0
04/30/2006	2006	45789	A	mm	0
06/30/2006	2006	61522	A	mm	48.283
07/31/2006	2006	71406	A	mm	30.333
08/31/2006	2006	74403	A	mm	9.197
10/17/2006	2006	83080	A	mm	26.629
10/31/2006	2006	90375	A	mm	22.388
11/30/2006	2006	90375	A	mm	0
01/18/2007	2006	90375	A	mm	0
01/31/2007	2007	91819	A	mm	4.431
02/28/2007	2007	91819	A	mm	0
04/10/2007	2007	91819	A	mm	0
04/30/2007	2007	91819	A	mm	0
04/30/2007	2007	4160124	A	mm	0
05/31/2007	2007	10322189	A	mm	18.911
06/30/2007	2007	16124867	A	mm	17.808
07/31/2007	2007	22707308	A	mm	20.201

08/31/2007	2007	29065154	A	mm		19.512
09/30/2007	2007	32540126	A	mm		10.664
10/31/2007	2007	36840872	A	mm		13.199
11/30/2007	2007	40307540	A	mm		10.639
12/31/2007	2007	42492332	A	mm		6.705
01/31/2008	2008	44191224	A	mm		5.214
02/29/2008	2008	45833760	A	mm		5.041
03/31/2008	2008	45833760	A	mm		0
04/30/2008	2008	45833760	A	mm		0
05/31/2008	2008	49008124	A	mm		9.742
06/30/2008	2008	52217592	A	mm		9.849
07/31/2008	2008	58163092	A	mm		18.246
08/31/2008	2008	66497852	A	mm		25.578
09/30/2008	2008	78498060	A	mm		36.827
10/31/2008	2008	91828416	A	mm		40.909
11/30/2008	2008	84392	A	mm		0
01/15/2009	2008	8630925	A	mm		26.228
01/31/2009	2009	17479234	A	mm		27.154
02/28/2009	2009	23211730	A	mm		17.592
03/31/2009	2009	33581778	A	mm		31.825
04/30/2009	2009	44501040	A	mm		33.510
05/31/2009	2009	57272435	A	mm		39.194
06/30/2009	2009	69886992	A	mm		38.713
07/31/2009	2009	83031064	A	mm		40.338
08/31/2009	2009	94385064	A	mm		34.844
09/30/2009	2009	6058264	R	mm	Meter Rollover	35.824
12/31/2009	2009	32744044	A	mm		81.896
03/31/2010	2010	46702612	A	mm		42.837
06/30/2010	2010	63329388	A	mm		51.026
09/30/2010	2010	98898200	A	mm		109.157
12/31/2010	2010	26124510	A	mm		0
03/31/2011	2011	28061964	A	mm		5.946
06/30/2011	2011	43960260	A	mm		48.790
09/30/2011	2011	67461820	A	mm		72.124
12/31/2011	2011	86563736	A	mm		58.622
03/31/2012	2012	92970088	A	mm		19.660
06/30/2012	2012	39476504	R	mm	Meter Rollover	142.723
09/30/2012	2012	58919568	A	mm		59.669
12/31/2012	2012	79536776	A	mm		63.272
03/31/2013	2013	91444488	A	cw		36.543
06/30/2013	2013	14979670	R	cw	Meter Rollover	72.227
09/30/2013	2013	31113578	A	ad		49.513
12/31/2013	2013	47811764	A	ad		51.245
03/01/2014	2014	55386020	A	ad		23.245
04/01/2014	2014	63216600	A	ad		24.031
05/01/2014	2014	73313329	A	dc		30.986
06/01/2014	2014	77253720	A	dc		12.093

07/01/2014	2014	85028757	A	dc		23.861
08/01/2014	2014	92234056	A	dc		22.112
09/01/2014	2014	98231000	A	dc		18.404
11/01/2014	2014	13678883	R	dc	Meter Rollover	47.408
12/01/2014	2014	17896428	A	cw		12.943
01/01/2015	2014	22185300	A	ad		13.162
02/01/2015	2015	25726980	A	ad		10.869
03/01/2015	2015	29510718	A	ad		11.612
04/01/2015	2015	36998224	A	ad		22.978
05/01/2015	2015	46819928	A	dc		30.142
06/01/2015	2015	57828132	A	dc		33.783
07/13/2015	2015	70244752	A	dc		38.105
08/01/2015	2015	81730712	A	ad		35.249
09/04/2015	2015	93348000	A	dc		35.652
10/06/2015	2015	4309060	R	dc	Meter Rollover	33.638
12/03/2015	2015	20014306	A	dc		48.198
01/04/2016	2015	26129504	A	dc		18.767
02/01/2016	2016	31931958	A	bf		17.807
03/01/2016	2016	38540480	A	bf		20.281
04/01/2016	2016	47417568	A	dc		27.243
05/01/2016	2016	51455576	A	bf		12.392
06/14/2016	2016	0	A	dc	INITIAL RDG	0
07/01/2016	2016	4	A	dc	MTR X MILLION GALS	0.012
08/01/2016	2016	11	A	dc	MTR X MILLION GALS	0.021
09/01/2016	2016	15736	A	dc		48.259
10/01/2016	2016	15736	A	dc		0
11/01/2016	2016	24614	A	dc		27.244
12/01/2016	2016	27885	A	dc		10.038
01/01/2017	2016	30644	A	bf		8.468
02/01/2017	2017	32899	A	dc		6.921
03/01/2017	2017	32899	A	bf		0
04/01/2017	2017	43972	A	dc		33.983
05/01/2017	2017	53475	A	bf		29.161
06/01/2017	2017	66151	A	bf		38.903
07/01/2017	2017	74473	A	dc		25.539
08/01/2017	2017	84273	A	dc		30.076
09/01/2017	2017	93798	A	dc		29.231

**YTD Meter Amounts:	Year	Amount
	2001	121.733
	2002	3.951
	2003	0
	2004	0.067
	2005	0
	2006	136.830
	2007	122.070
	2008	177.634

2009	380.890
2010	203.020
2011	185.482
2012	285.324
2013	209.528
2014	228.245
2015	318.993
2016	171.765
2017	193.814

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

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Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 04250 S-2	4	4	2	17	23S	01E	324549	3576080

Driller License:	Driller Company:	
Driller Name: UNKNOWN		
Drill Start Date:	Drill Finish Date:	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size:	Estimated Yield: 2343 GPM
Casing Size: 16.00	Depth Well: 250 feet	Depth Water:

Meter Number: 2469	Meter Make: SIEMENS
Meter Serial Number: 12250007	Meter Multiplier: 1000.0000
Number of Dials: 8	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/10/2001	2001	168177	A	mm		0
03/01/2001	2001	168178	A	mm		0
03/29/2001	2001	168190	A	mm		0.004
05/07/2001	2001	168190	A	mm		0
06/01/2001	2001	168190	A	mm		0
07/03/2001	2001	168190	A	mm		0
08/16/2001	2001	168213	A	mm		0.007
10/03/2001	2001	168214	A	mm		0
11/09/2001	2001	168235	A	mm		0.006
12/12/2001	2001	168235	A	mm		0
01/11/2002	2001	168235	A	mm		0
02/14/2002	2002	168550	A	mm		0.097
03/07/2002	2002	168550	A	mm		0
04/04/2002	2002	169542	A	mm		0.304
05/10/2002	2002	177810	A	mm		2.537
07/10/2002	2002	197138	A	mm		5.932
07/31/2002	2002	207219	A	mm		3.094
09/06/2002	2002	217392	A	mm		3.122
10/15/2002	2002	226888	A	mm		2.914
11/18/2002	2002	235068	A	mm		2.510
12/10/2002	2002	242528	A	mm		2.289
01/16/2003	2003	247431	A	mm		1.505

02/05/2003	2003	252341	A	mm		1.507
03/05/2003	2003	257722	A	mm		1.651
05/27/2003	2003	276186	A	mm		5.666
06/12/2003	2003	73016	A	mm		0
06/12/2003	2003	281495	A	mm		1.629
07/17/2003	2003	208316	A	mm		41.522
01/16/2004	2003	839040	A	mm		193.562
02/16/2004	2004	889304	A	mm		15.425
03/24/2004	2004	945058	A	mm		17.110
04/21/2004	2004	12924	R	mm	Meter Rollover	20.827
06/01/2004	2004	88798	A	mm		23.285
07/06/2004	2004	321600	A	mm		71.444
10/28/2004	2004	608676	A	mm		88.100
12/13/2004	2004	841129	A	mm		71.337
01/21/2005	2004	890596	A	mm		15.181
03/08/2005	2005	977347	A	mm		26.623
04/19/2005	2005	38325	R	mm	Meter Rollover	18.713
05/01/2005	2005	120229	A	mm		25.135
06/01/2005	2005	239262	A	mm		36.530
07/01/2005	2005	375891	A	mm		41.930
08/01/2005	2005	513707	A	mm		42.294
09/01/2005	2005	513707	A	mm		0
10/01/2005	2005	559153	A	mm		13.947
11/01/2005	2005	604950	A	mm		14.055
12/01/2005	2005	660504	A	mm		17.049
01/01/2006	2005	706372	A	mm		14.076
04/17/2006	2006	872847	A	mm		51.089
04/30/2006	2006	919376	A	ad		14.279
05/31/2006	2006	987606	A	ad		20.939
06/30/2006	2006	50131	R	ad	Meter Rollover	19.188
07/31/2006	2006	101383	A	ad		15.729
08/31/2006	2006	188328	A	ad		26.682
10/17/2006	2006	210754	A	ad		6.882
10/31/2006	2006	262581	A	ad		15.905
11/30/2006	2006	350703	A	ad		27.044
01/18/2007	2006	439566	A	ad		27.271
01/31/2007	2007	519902	A	ad		24.654
02/28/2007	2007	597208	A	ad		23.724
04/10/2007	2007	709915	A	ad		34.589
04/30/2007	2007	784213	A	ad		22.801
05/31/2007	2007	784213	A	ad		0
05/31/2007	2007	4525866	A	ad		0
06/30/2007	2007	11710560	A	ad		22.049
07/31/2007	2007	18122518	A	ad		19.678
08/31/2007	2007	24183345	A	ad		18.600
09/30/2007	2007	32480160	A	ad		25.462
10/31/2007	2007	39376252	A	ad		21.163

11/30/2007	2007	44776948	A	ad		16.574
12/31/2007	2007	49257616	A	ad		13.751
01/31/2008	2008	54856399	A	ad		17.182
02/29/2008	2008	65330405	A	ad		32.144
03/31/2008	2008	74007399	A	ad		26.629
04/30/2008	2008	81785720	A	ad		23.871
05/31/2008	2008	91559152	A	ad		29.994
06/30/2008	2008	3827050	R	ad	Meter Rollover	37.649
07/31/2008	2008	11025645	A	ad		22.092
08/31/2008	2008	15144077	A	ad		12.639
09/30/2008	2008	15144077	A	ad		0
10/31/2008	2008	15144077	A	ad		0
11/30/2008	2008	15144077	A	ad		0
01/15/2009	2008	18508892	A	ad		10.326
01/31/2009	2009	18508892	A	ad		0
02/28/2009	2009	18508892	A	ad		0
03/31/2009	2009	18508892	A	ad		0
04/30/2009	2009	20785050	A	ad		6.985
05/31/2009	2009	20785050	A	ad		0
06/30/2009	2009	20785050	A	ad		0
07/31/2009	2009	20785050	A	ad		0
08/31/2009	2009	20785050	A	ad		0
09/30/2009	2009	20785050	A	ad		0
12/31/2009	2009	20785050	A	ad		0
03/31/2010	2010	31304600	A	ad		32.283
06/29/2010	2010	52508136	A	ad		65.071
06/30/2010	2010	52868360	A	ad		1.105
09/30/2010	2010	52868360	A	ad		0
12/31/2010	2010	52868360	A	ad		0
03/31/2011	2011	79921628	A	ad		83.023
06/30/2011	2011	7935372	R	ad	Meter Rollover	85.971
09/30/2011	2011	29493860	A	ad		66.161
12/31/2011	2011	39551080	A	ad		30.864
03/31/2012	2012	40585276	A	ad		3.174
06/30/2012	2012	50645312	A	ad		30.873
09/30/2012	2012	75285224	A	ad		75.617
12/31/2012	2012	82752712	A	ad		22.917
01/01/2013	2013	82752712	A	ad		0
03/31/2013	2013	94409944	A	ad		35.775
06/30/2013	2013	9199627	R	ad	Meter Rollover	45.388
09/30/2013	2013	30990092	A	ad		66.872
12/31/2013	2013	41711652	A	ad		32.903
03/01/2014	2014	48723572	A	ad		21.519
04/01/2014	2014	50122168	A	ad		4.292
05/01/2014	2014	50499256	A	ad		1.157
06/01/2014	2014	59078732	A	ad		26.329
07/01/2014	2014	64862532	A	ad		17.750

08/01/2014	2014	70549120	A	ad		17.451
09/01/2014	2014	75230688	A	ad		14.367
11/01/2014	2014	78759160	A	ad		10.828
12/01/2014	2014	82197560	A	ad		10.552
01/01/2015	2014	85303168	A	ad		9.531
02/01/2015	2015	88355992	A	ad		9.369
03/01/2015	2015	90704088	A	ad		7.206
04/01/2015	2015	91956320	A	ad		3.843
05/01/2015	2015	92347928	A	ad		1.202
06/01/2015	2015	92396992	A	ad		0.151
07/13/2015	2015	92752888	A	ad		1.092
08/01/2015	2015	92801720	A	ad		0.150
09/04/2015	2015	92801832	A	ad		0
10/06/2015	2015	92801896	A	ad		0
11/05/2015	2015	93313088	A	bf		1.569
01/04/2016	2015	93314336	A	dc		0.004
02/01/2016	2016	93314952	A	bf		0.002
03/01/2016	2016	93331560	A	bf		0.051
04/01/2016	2016	93357728	A	dc		0.080
05/01/2016	2016	93357728	A	bf		0
05/31/2016	2016	0	A	bf	Initial Rdg	0
06/02/2016	2016	18	A	bf	Fld Chk w/ DC	0.055
07/01/2016	2016	27	A	dc		0.027
08/01/2016	2016	29227	A	dc		89.613
09/01/2016	2016	43209	A	dc		42.907
10/01/2016	2016	43209	A	dc		0
11/01/2016	2016	56449	A	dc		40.632
12/01/2016	2016	62415	A	dc		18.311
01/01/2017	2016	67436	A	bf		15.407
02/01/2017	2017	70486	A	dc		9.360
03/01/2017	2017	70486	A	bf		0
04/01/2017	2017	73457	A	dc		9.117
05/01/2017	2017	74286	A	bf		2.544
06/01/2017	2017	74386	A	bf		0.307
07/01/2017	2017	80666	A	dc		19.273
08/01/2017	2017	84799	A	dc		12.685
09/01/2017	2017	85672	A	dc		2.679
10/02/2017	2017	85672	A	cb		0

**YTD Meter Amounts:	Year	Amount
	2001	0.017
	2002	22.799
	2003	247.042
	2004	322.709
	2005	250.352
	2006	225.008
	2007	243.045

2008	212.526
2009	6.985
2010	98.459
2011	266.019
2012	132.581
2013	180.938
2014	133.776
2015	24.586
2016	207.085
2017	55.965

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
LRG 04250	POD7	2	3	2	17	23S	01E	324969	3576283

Driller License:	838	Driller Company:	HARGRAVES DRILLING COMPANY INC		
Driller Name:	STAN HARGRAVES				
Drill Start Date:	08/03/2006	Drill Finish Date:	08/31/2006	Plug Date:	
Log File Date:	09/12/2006	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	3000 GPM
Casing Size:	16.38	Depth Well:	580 feet	Depth Water:	63 feet

Water Bearing Stratifications:	Top	Bottom	Description
	380	580	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	380	480

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	LRG 15880 POD1	1	1	22	23S	01E	327219	3575063	

Driller License:	Driller Company:	
Driller Name:		
Drill Start Date:	Drill Finish Date:	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well:	Depth Water:

Meter Number:	16504	Meter Make:	NEPTUNE
Meter Serial Number:	52231480	Meter Multiplier:	10.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/01/2014	2014	819797	A	dc	INITIAL RDG	0
08/17/2015	2014	832909	A	dc	NEW METER CHK	0.402
09/01/2015	2015	832909	A	dc		0
10/01/2015	2015	832932	A	bf		0.001
11/01/2015	2015	832935	A	dc		0
01/04/2016	2015	832935	A	dc		0
02/01/2016	2016	832935	A	bf		0
03/01/2016	2016	832935	A	bf		0
04/01/2016	2016	832935	A	dc		0
05/01/2016	2016	832935	A	bf		0
06/10/2016	2016	832935	A	dc		0
07/01/2016	2016	832935	A	dc		0
08/01/2016	2016	832935	A	dc		0
09/01/2016	2016	832935	A	dc		0
10/01/2016	2016	832935	A	dc		0
11/01/2016	2016	832935	A	dc		0
12/01/2016	2016	832935	A	dc		0
01/06/2017	2016	832935	A	bf		0
02/07/2017	2017	832935	A	dc		0
03/01/2017	2017	832935	A	bf		0
04/01/2017	2017	832935	A	dc		0
05/01/2017	2017	832935	A	bf		0

06/01/2017	2017	832935	A	bf	0
07/01/2017	2017	832935	A	dc	0
08/01/2017	2017	832935	A	dc	0
09/01/2017	2017	832935	A	dc	0
10/02/2017	2017	832935	A	cb	0

**YTD Meter Amounts:	Year	Amount
	2014	0.402
	2015	0.001
	2016	0
	2017	0

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
	LRG 15880 POD2	2 1 22	23S	01E	327544	3575183	

Driller License:	Driller Company:	
Driller Name:		
Drill Start Date:	Drill Finish Date:	Plug Date:
Log File Date:	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well:	Depth Water:

Meter Number:	16505	Meter Make:	MASTER
Meter Serial Number:	8145030	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
01/01/2014	2014	25704	A	dc	INITIAL RDG	0
04/01/2014	2014	41048	A	dc	NON COMPLIANCE METER RDG	4.709
07/01/2014	2014	56393	A	dc	NON COMPLIANCE METER RDG	4.709
10/01/2014	2014	71737	A	dc	NON COMPLIANCE METER RDG	4.709
12/31/2014	2014	87081	A	dc	NON COMPLIANCE METER RDG	4.709
04/01/2015	2015	102426	A	dc	NON COMPLIANCE METER RDG	4.709
07/01/2015	2015	117770	A	dc	NON COMPLIANCE METER RDG	4.709
08/17/2015	2015	117770	A	dc	NEW METER CHK	0
09/01/2015	2015	120362	A	dc		0.795
10/01/2015	2015	128659	A	bf		2.546
11/01/2015	2015	132064	A	dc		1.045
01/04/2016	2015	136560	A	dc		1.380
02/01/2016	2016	139721	A	bf		0.970
03/01/2016	2016	143491	A	bf		1.157
04/01/2016	2016	148451	A	dc		1.522
05/01/2016	2016	154145	A	bf		1.747
06/10/2016	2016	161057	A	dc		2.121
07/01/2016	2016	169800	A	dc		2.683

08/01/2016	2016	171118	A	dc	0.404
09/01/2016	2016	171132	A	dc	0.004
10/01/2016	2016	171132	A	dc	0
11/01/2016	2016	171132	A	dc	0
12/01/2016	2016	171132	A	dc	0
01/06/2017	2016	171132	A	bf	0
02/07/2017	2017	171132	A	dc	0
03/01/2017	2017	171132	A	bf	0
04/01/2017	2017	171132	A	dc	0
05/01/2017	2017	171132	A	bf	0
06/01/2017	2017	171132	A	bf	0
07/01/2017	2017	171132	A	dc	0
08/01/2017	2017	171132	A	dc	0
09/01/2017	2017	171132	A	dc	0
10/02/2017	2017	171132	A	cb	0

**YTD Meter Amounts:	Year	Amount
	2014	18.836
	2015	15.184
	2016	10.608
	2017	0

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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POINT OF DIVERSION SUMMARY

**Appendix C
GCPD v2.04 Beta Model**





NMOSE GPCD CALCULATOR

Gallons per Capita - v2.04 Beta

Release Date: Mar, 16, 2009

This spreadsheet-based GPCD calculator is designed to help quantify and track water uses associated with water distribution systems. The spreadsheet contains several separate worksheets. Sheets can be accessed using the tabs towards the bottom of the screen, or by clicking the buttons on the left below. Descriptions of each sheet are also given below.

It should be noted that all the recorded data should be from actual metered results and should not include any estimates.

Value to be entered by user

Value calculated based on input data

No longer available for input

Dropdown box, pick from list

Value calculated based on input data

No longer available for input

Look for the following boxes that provide additional information

[Instructions](#) [Info](#)

THE FOLLOWING KEY APPLIES THROUGHOUT:

Please begin by providing the following information, then proceed through each sheet:

NAME OF CITY OR UTILITY:

REPORTING YEARS: Enter the most recent reporting year: Data can be entered back to:

NAME OF CONTACT PERSON: E-MAIL: TELEPHONE: Ext.

SELECT THE REPORTING UNITS FOR VOLUME DATA:

Instructions &	This sheet
Census Data	Census data and the portal to get the data from the Census website
Single-Family	Single-Family residential gallons and population
Multi-Family	Multi-Family residential gallons and population
ICI & Other Metered	Other data including Commercial, Industrial and Institutional [1.3] and Other metered [1.4] categories
Reuse	Data related to water reuse projects
Total Diverted	Total Production and Diverted Water
Reported Data	The calculated data graphical review of most common performance indicators
Annual Performance	The calculated data graphical review of annual performance indicators
Monthly Performance	The calculated data graphical review of monthly performance indicators
Definitions	Use this sheet to understand terms used in the audit process

All parties reserve the right to validate the data recorded in this document. This does not bind the OSE or the Utility to the results. It is a tool used for planning purposes.

If you have questions or comments regarding the software please contact us at: waternm@state.nm.us

Census Information Data Table 2.1

Info

[Click here to access the Census Web site](#)

OR

[Click here for instructions on how to find the data on the Census website](#)

	TO	
2017	TO	2011

Use the most recent census data

[Return to Instructions](#)

DATA

US Census Table	Description		INPUT
		CENSUS YEAR	2010
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 %	<input type="text" value=""/>
----------------	-------------------------------

COMMENTS:

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

DATA INPUT SHEET

Dona Ana MDWCA

Instructions

3. SINGLE-FAMILY RESIDENTIAL (SFR)

Return to Instructions

MONTHLY DATA

TABLE 3.1 [Info](#)

SFR BILLED WATER CONSUMPTION (Gallons (US))

	2017 TO 2011											
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2017												
2016	47,884,585	47,884,585	47,884,585	47,884,585	47,884,585	47,884,585	47,884,585	47,884,585	47,884,585	47,884,585	47,884,585	47,884,585
2015	45,687,312	45,687,312	45,687,312	45,687,312	45,687,312	45,687,312	45,687,312	45,687,312	45,687,312	45,687,312	45,687,312	45,687,312
2014	50,601,978	50,601,978	50,601,978	50,601,978	50,601,978	50,601,978	50,601,978	50,601,978	50,601,978	50,601,978	50,601,978	50,601,978
2013	36,529,077	36,529,077	36,529,077	36,529,077	36,529,077	36,529,077	36,529,077	36,529,077	36,529,077	36,529,077	36,529,077	36,529,077
2012	37,150,515	37,150,515	37,150,515	37,150,515	37,150,515	37,150,515	37,150,515	37,150,515	37,150,515	37,150,515	37,150,515	37,150,515
2011	48,213,882	48,213,882	48,213,882	48,213,882	48,213,882	48,213,882	48,213,882	48,213,882	48,213,882	48,213,882	48,213,882	48,213,882

TABLE 3.2 [Info](#) [Choose Connections Type...](#) **USE DROPDOWN BOX TO SELECT THE CONNECTIONS DATA YOU WISH TO ENTER**

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 [Info](#)

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 [Info](#)

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

SFR POPULATION (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	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911	14,911
2015	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530	14,530
2014	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338	14,338
2013	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063	14,063
2012	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785	13,785
2011	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477	13,477

TABLE 3.5 [Info](#)

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

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	103.59	114.69	103.59	107.05	103.59	107.05	103.59	103.59	107.05	103.59	107.05	103.59
2015	101.43	112.30	101.43	104.81	101.43	104.81	101.43	101.43	104.81	101.43	104.81	101.43
2014	113.85	126.04	113.85	117.64	113.85	117.64	113.85	113.85	117.64	113.85	117.64	113.85
2013	83.79	92.77	83.79	86.59	83.79	86.59	83.79	83.79	86.59	83.79	86.59	83.79
2012	86.94	96.25	86.94	89.83	86.94	89.83	86.94	86.94	89.83	86.94	89.83	86.94
2011	115.40	127.76	115.40	119.25	115.40	119.25	115.40	115.40	119.25	115.40	119.25	115.40

COMMENTS:

ANNUAL DATA

TABLE 3.6 [Info](#)

ANNUAL CONSUMPTION

N/A

TABLE 3.7 [Info](#)

ANNUAL CALCULATION

N/A
574,615,025
548,247,744
607,223,730
438,348,926
445,806,176
578,566,581

TABLE 3.8 [Info](#)

AVG. ANNUAL CONNECTIONS

N/A

TABLE 3.9 [Info](#)

AVG CONN. CALCULATION

N/A
N/A
N/A
N/A
N/A
N/A
N/A

TABLE 3.10 [Info](#)

CALCULATED GROWTH RATE

N/A
N/A
N/A
N/A
N/A
N/A

TABLE 3.11 [Info](#)

No. VACANT SFR CONNECTIONS

N/A
N/A
N/A
N/A
N/A
N/A

Are you sure growth is zero?

TABLE 3.12 [Info](#)

SIZE OF HOUSEHOLD

2.78
2.78
2.78
2.78
2.78
2.78
2.78

TABLE 3.13 [Info](#)

SFR POPULATION

N/A
14,911
14,530
14,338
14,063
13,785
13,477

TABLE 3.14 [Info](#)

ANNUAL SFR GPCD

N/A
105.58
103.38
116.03
85.40
88.60
117.61

Add Consumption Data

DATA INPUT SHEET

7. TOTAL WATER DIVERTED AND SUPPLIED

[Return to Instructions](#)

Dona Ana MDWCA

MONTHLY DATA

TABLE 7.1

TOTAL WATER DIVERTED (Monthly) (Gallons (US))		2017 TO 2011											
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2017													
2016													
2015													
2014													
2013													
2012													
2011													

TABLE 7.2

IMPORTED WATER (Monthly)(Gallons (US))		Info											
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2017	0	0	0	0	0	0	0	0	0	0	0	0	
2016	0	0	0	0	0	0	0	0	0	0	0	0	
2015	0	0	0	0	0	0	0	0	0	0	0	0	
2014	0	0	0	0	0	0	0	0	0	0	0	0	
2013	0	0	0	0	0	0	0	0	0	0	0	0	
2012	0	0	0	0	0	0	0	0	0	0	0	0	
2011	0	0	0	0	0	0	0	0	0	0	0	0	

TABLE 7.3

EXPORTED WATER (Monthly) (Gallons (US))		Info											
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2017	0	0	0	0	0	0	0	0	0	0	0	0	
2016	0	0	0	0	0	0	0	0	0	0	0	0	
2015	0	0	0	0	0	0	0	0	0	0	0	0	
2014	0	0	0	0	0	0	0	0	0	0	0	0	
2013	0	0	0	0	0	0	0	0	0	0	0	0	
2012	0	0	0	0	0	0	0	0	0	0	0	0	
2011	0	0	0	0	0	0	0	0	0	0	0	0	

TABLE 7.4

Formula = Total Water Diverted + Imported water - Exported Water

TOTAL WATER SUPPLY (Monthly) (Gallons (US))		Info											
Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2017	0	0	0	0	0	0	0	0	0	0	0	0	
2016	0	0	0	0	0	0	0	0	0	0	0	0	
2015	0	0	0	0	0	0	0	0	0	0	0	0	
2014	0	0	0	0	0	0	0	0	0	0	0	0	
2013	0	0	0	0	0	0	0	0	0	0	0	0	
2012	0	0	0	0	0	0	0	0	0	0	0	0	
2011	0	0	0	0	0	0	0	0	0	0	0	0	

Table 7.5

SYSTEM TOTAL GPCD (Monthly)		Info											
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	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	
2015	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	
2014	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	
2013	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	
2012	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	
2011	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	

COMMENTS:

ANNUAL DATA

TABLE 7.6

ANNUAL TOTAL DIVERTED
160,142,116.00
605,378,415.00
629,810,230.00
595,409,910.00
567,154,392.77
588,812,176.78
748,089,292.55

TABLE 7.7

ANNUAL TOTAL DIVERTED CALC
160,142,116
605,378,415
629,810,230
595,409,910
567,154,393
588,812,177
748,089,293

TABLE 7.8

ANNUAL TOTAL IMPORTED

TABLE 7.9

ANNUAL TOTAL IMPORT CALC
N/A
N/A
N/A
N/A
N/A
N/A
N/A

TABLE 7.10

ANNUAL TOTAL EXPORTED

TABLE 7.11

ANNUAL TOTAL EXPORT CALC
N/A
N/A
N/A
N/A
N/A
N/A
N/A

TABLE 7.12

ANNUAL TOTAL WATER SUPPLY
160,142,116
605,378,415
629,810,230
595,409,910
567,154,393
588,812,177
748,089,293

TABLE 7.13

TOTAL POP. EST.
N/A
14,911
14,530
14,338
14,063
13,785
13,477

TABLE 7.14

Year	SYSTEM TOTAL GPCD
2017	#VALUE!
2016	111.23
2015	118.76
2014	113.77
2013	110.49
2012	117.03
2011	152.07

8. GPCD REPORTED DATA

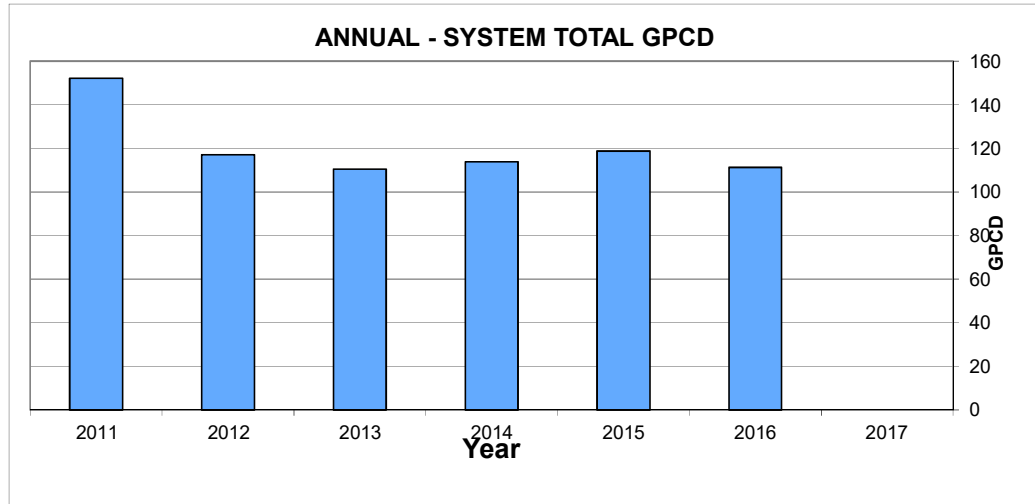
Dona Ana MDWCA

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ANNUAL

2017 To: 2011

Year	SYSTEM GPCD
2017	#VALUE!
2016	111.23
2015	118.76
2014	113.77
2013	110.49
2012	117.03
2011	152.07

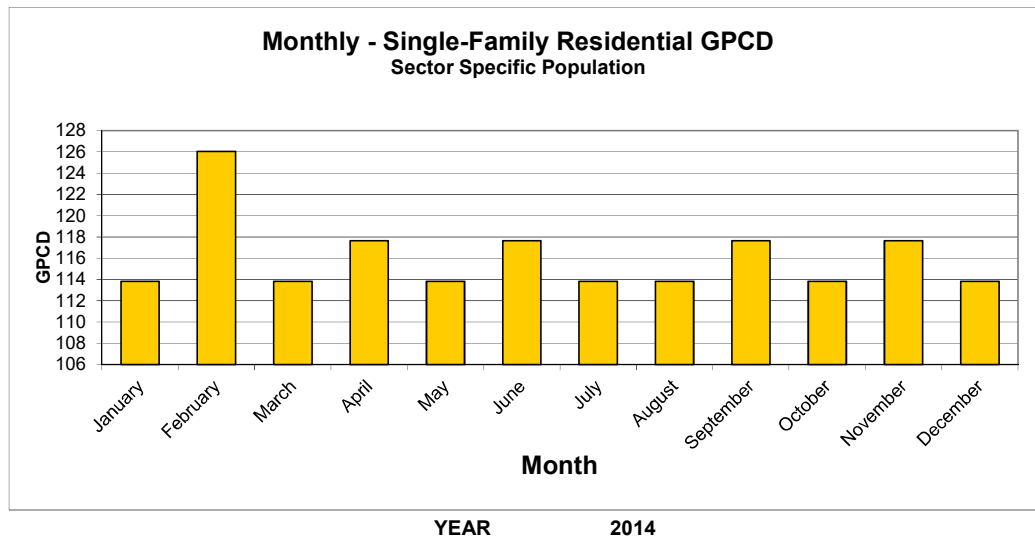


MONTHLY

Month	SFR GPCD
January	113.85
February	126.04
March	113.85
April	117.64
May	113.85
June	117.64
July	113.85
August	113.85
September	117.64
October	113.85
November	117.64
December	113.85

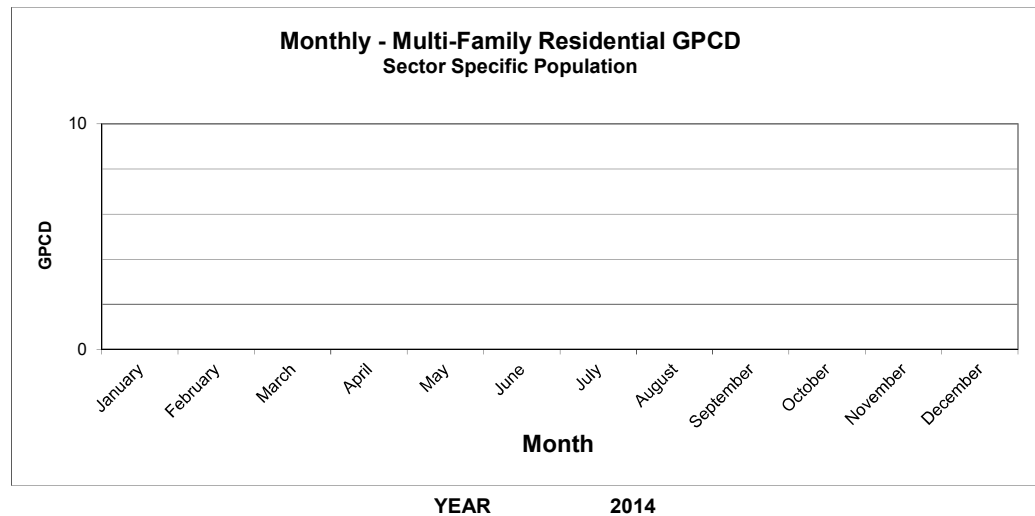
Year: 2014

Peak/Ave: 1.09



Month	MFR GPCD
January	No Data
February	No Data
March	No Data
April	No Data
May	No Data
June	No Data
July	No Data
August	No Data
September	No Data
October	No Data
November	No Data
December	No Data

Peak/Ave: #DIV/0!



9. Annual Reporting Performance

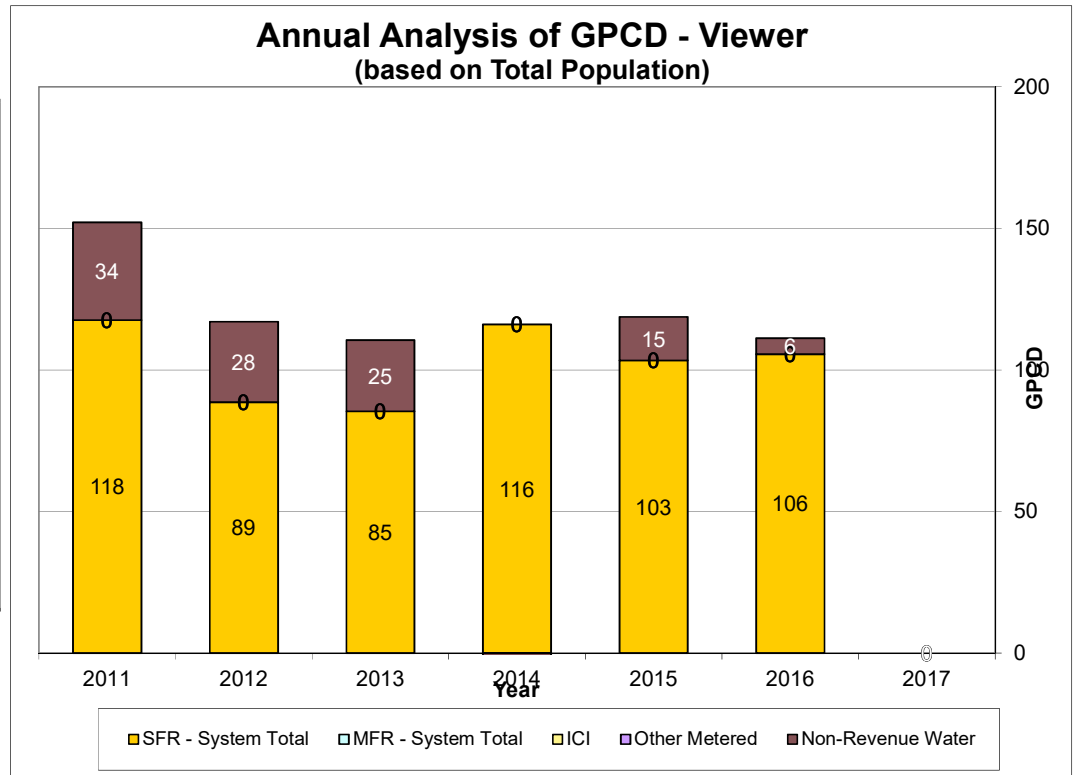
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Overall Annual GPCD (based on Total Population)

	SFR - System Total	MFR - System Total	ICI	Other Metered	Non-Revenue Water	Total Supplied	Non-Revenue Volume Million Gallons (US)
Year							
On Graph?	Yes	Yes	Yes	Yes	Yes		
2017	N/A	N/A	N/A	N/A	#VALUE!	#VALUE!	160.14
2016	105.58	N/A	N/A	N/A	5.65	111.23	30.76
2015	103.38	N/A	N/A	N/A	15.38	118.76	81.56
2014	116.03	N/A	N/A	N/A	-2.26	113.77	(11.81)
2013	85.40	N/A	N/A	N/A	25.09	110.49	128.81
2012	88.60	N/A	N/A	N/A	28.42	117.03	143.01
2011	117.61	N/A	N/A	N/A	34.46	152.07	169.52

Dona Ana MDWCA		
2017	to	2011

Annual Analysis of GPCD - Viewer (based on Total Population)



10. Monthly Reporting Performance

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Choose Year for Monthly Analysis

2014

Choose Sector

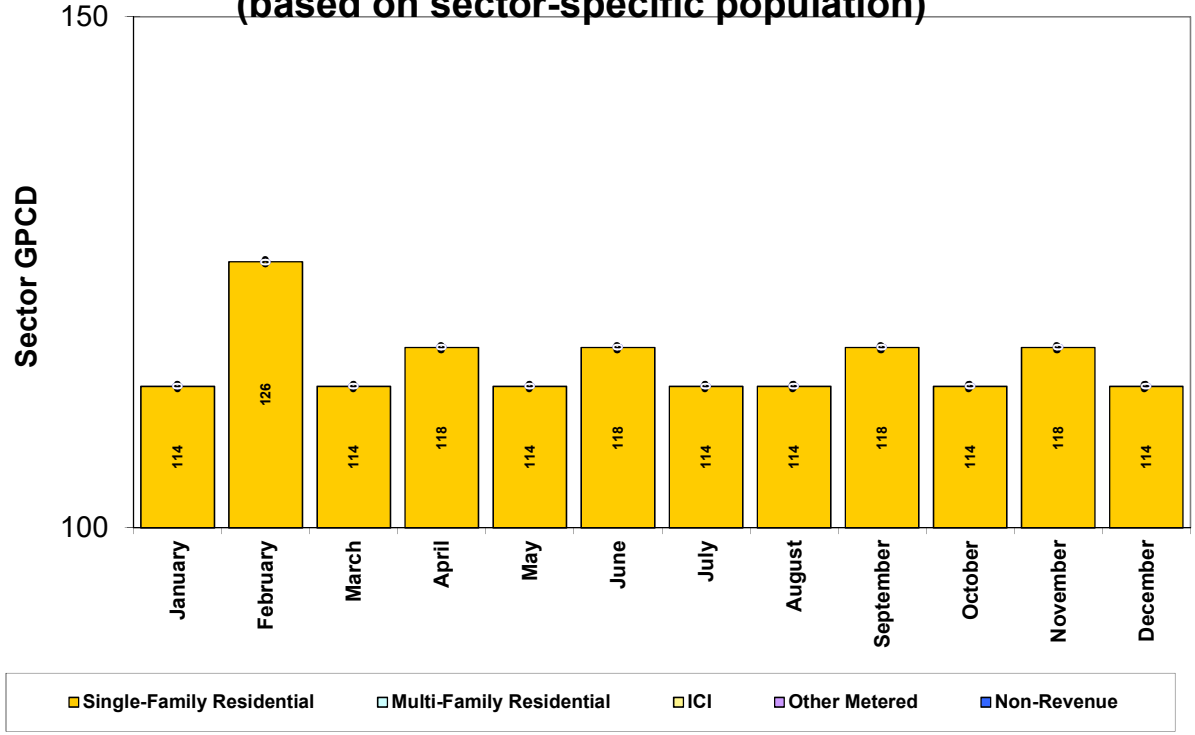
Single-Family Residential

Monthly GPCD

	Single-Family Residential	Multi-Family Residential	ICI	Other Metered	Non-Revenue
Month	GPCD	GPCD	GPCD	GPCD	GPCD
JAN	113.85	No Data	0.00	0.00	-113.85
FEB	126.04	No Data	0.00	0.00	-126.04
MAR	113.85	No Data	0.00	0.00	-113.85
APR	117.64	No Data	0.00	0.00	-117.64
MAY	113.85	No Data	0.00	0.00	-113.85
JUN	117.64	No Data	0.00	0.00	-117.64
JUL	113.85	No Data	0.00	0.00	-113.85
AUG	113.85	No Data	0.00	0.00	-113.85
SEP	117.64	No Data	0.00	0.00	-117.64
OCT	113.85	No Data	0.00	0.00	-113.85
NOV	117.64	No Data	0.00	0.00	-117.64
DEC	113.85	No Data	0.00	0.00	-113.85

Dona Ana MDWCA
2017 to 2011

Monthly Analysis of GPCD - Viewer
(based on sector-specific population)



**Appendix D
Groundwater Rights Associated
with Doña Ana MDWCA**

