



*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**  
**(Updated 05/29/2016)**

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 June 2, 2016, 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 05-19-2016 Regular Meeting

**Approval of New Members & Meters**

**Customer Issues and Public Input**

*Public Input will be limited to 3 minutes per person*

**Board President Report**

**Staff Reports**

2. Executive Director

**New Business**

None

**Consent Agenda**

None

**Unfinished Business**

3. Approval of Construction Contract for District 5 Water System Improvement Project to General Hydronics
4. Approval of Contract 6324372 for Fairview II Water System Improvement Project, Utility Locating Design Phase to Souder, Miller & Associates
5. Approval of Contract 6323931 for Additional Construction Time for the Water System Improvement in the Railroad Right-of-Way to Souder, Miller & Associates
6. Approval of Contract 6324321 for District 5 Wastewater Treatment Plant Improvement Project to Souder, Miller & Associates
7. Approval of Resolution 2016 – 07 Infrastructure Capital Improvement Plan (ICIP) for FY 2018-2022
8. Approval of Resolution 2016 – 08 10% Match for CIF 3507
9. Approval of Resolution 2016 – 09 Changes to the Water and Wastewater Rates

**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 Edward Salomon at (575) 526-3491 on the Friday prior to the meeting or as soon as possible.*



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The following are the minutes of the Regular Board Meeting of the Doña Ana Mutual Domestic Water Consumers Association Board of Directors, May 19, 2016, 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- Mr. Melton called the meeting to order at 9:00 A.M. and called roll:

Vice President- Jamie Stull, Present

Secretary/ Treasurer- Kurt Anderson, Present

Board Member- Raymond Ponteri, Present

### **Others in Attendance:**

Executive Director- Jennifer Horton, Present

Community members - Nancy Simmons, Jim Hayhoe, Bob Crowley, and Juanita Riddle, Present

### **Approval of Agenda**

Mr. Anderson moved to approve the agenda for the May 19, 2016 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; the motion carried by roll call vote 4-0.

### **Minutes**

Mr. Anderson moved to approve the Board Meeting Minutes of May 5, 2016 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; the motion carried by roll call vote 4-0.

### **New Members & New Meters**

Mr. Anderson moved to approve the New Members and New Meters list as presented for May 2016; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion: Mrs. Horton advised there are twenty-six names on the list comprising of twenty (20) new members and five (5) new meters. Chair called for a vote on the motion; the motion carried by roll call vote 4-0.

### **Customer Issues and Public Input**

Juanita Riddle introduced herself to clarify her application for ten (10) recreational vehicle (RV) spaces. Ms. Riddle explained she is not applying for ten (10) new meters, but in fact one meter large enough to facilitate the temporary travels of tourists for up to ten (10) spaces at any given time. Ms. Riddle would like a new evaluation of the fees associated with this in regards to the clarification of the RV spaces. Ms. Riddle advised the housing of each space is case by case. Mr. Melton asked if these spaces would at any point be long term housing. Ms. Riddle stated these spaces are for temporary stay only. Executive Director Jennifer Horton asked Ms. Riddle if she has spoken to the Fire Marshall in regards to her four (4) inch water lines and proper fire protection. Mrs. Horton advised a line this small will not allow DAMDWCA to provide "Fire Flow". Ms. Riddle advised she has spoken with the Fire Marshall. Per Ms. Riddle she does not need to maintain fire flow lines at this time as there is a fire hydrant within four hundred (400) feet that could provide assistance. Mr. Melton inquired if we are obligatory to provide notice of fire flow. Mrs. Horton confirmed Dona Ana County does require a letter, which we cannot provide due to the size of the current water line. We are working with USDA on upgrades; however this

is up to two years out in finalizing. Mrs. Horton requested Ms. Riddle have her engineer contact DAMDWCA to refine the details of the development plan in order to provide an accurate estimate.

Jim Hayhoe announced his displeasure with the new chain link fence and barb wire recently erected in Picacho Hills.

### **Board President Report**

Mr. Melton reported he is aware of the discontent in the Picacho Hills community with regard to the new fence. Mr. Melton asked if the fence meets the requirements of securing the property of Well #15. Executive Director Jennifer Horton clarified Mr. Melton's question for the public: We are obligated to have our system undergo a "vulnerability assessment". With this assessment comes the responsibility to ensure not only the safety of the property, but the safety of the community we serve. This fence is compliant with planning and zoning, nor does this break any covenants or statutes. Mr. Hayhoe mentioned he understands the need for security, but there are thirty-one (31) Home Owner Associations within Picacho Hills that have specifications as to what types of fencing and landscaping are allowed. Mr. Melton advised we are not bound by HOA requirements, but he has visited the site in question. The fencing is clean and professional. Discontent with this structure is understandable however the reports he has received in regards to the treatment of the Executive Director and her staff are not appropriate. If the community has concerns they would like to address they are more than welcome to contact the Board Members. The Executive Director and her staff are to be contacted during business hours only, barring emergencies, and treated respectfully. Mr. Melton reminds the community the Board of Directors has a fiduciary responsibility to be cost effective with long lasting life cycles. We also have a responsibility to treat all Districts equally; if exceptions are made in one District, then we must honor exceptions in all Districts.

## **Staff Reports**

### **Executive Director**

See Attachment A

Mrs. Horton brought to the public's attention the mistreatment the staff at DAMDWCA has received since the erection of our fence. We have removed signs, as well as dealt with trespassing, disruptive calls to our staff, and harassment of our contractors. Trespassers will be asked to leave the premises or police will be called. We are trying to determine if there is a compromise; until such time calls are acceptable to the Executive Director, but not to the staff.

### **New Business**

No New Business

### **Unfinished Business**

Mr. Anderson moved to approve Item Four (4) Approval of Resolution 2016-05 Budget Adjustment for FY 2015 - 2016; the motion was seconded by Mr. Stull. The Chair called for discussion of the motion. Executive Director Horton advised we are looking for three (3) line item increases in order to comply with State Regulation for proper budgeting in Revenue and Expenditure Projections:

32,000 dollar increase in Water Sales Income

5,000 dollar increase for Installation Charges

4,000 dollar increase for Interest and Dividends

The Chair called for a vote on the motion; the motion carried by roll call vote 4-0.

Mr. Anderson moved to approve Item Five (5) Approval of Resolution 2016-06 Amendment to WTB 271; the motion was seconded by Mr. Stull. The Chair called for

discussion of the motion. Executive Director Jennifer Horton advised this Resolution is to approve the funding for the Taylor Road Project where we will run eighteen (18) inch water lines going up Valley, East on Taylor Road; between Valley and Elks at Dona Ana Road; and North of Taylor Road all the way to Dona Ana School Road. The design has previously been approved. This Resolution is to fund the actual construction. This is a sixty (60) – forty (40) split where sixty percent is Grant Funding, forty percent is Loan Funding where the loan must be expended first. The Chair called for a vote on the motion; the motion carried by roll call vote:

Jaime Stull – Yes

Kurt Anderson – Yes

Jim Melton – Yes

Ray Ponteri - Abstained

### **Legal Update**

No Legal Update

### **Closed Session**

No Closed Session

### **Open Discussion**

Mr. Melton displayed a Notice of Public Meetings sign he developed in order to encourage member attendance for the upcoming rate study seminars. These meetings will be conducted for clarification of the new rate study completed by Carl Brown. Mr. Ponteri has notified the District Five Home Owner Associations. Mr. Hayhoe agreed to send an email to his community encouraging participation. Mrs. Horton advised an advertisement is also posted online, in the Sun News, and through email for those who are signed up to receive

such announcements. The Board of Directors has a workshop scheduled prior to the public meetings to ensure full clarity of the rate study.

Mr. Melton expressed serious concerns in regards to the fencing disconnect in District Five. If we allow accommodations to be made, whether financed by the Association or the District itself, precedents are now set; as well as violating the basic tenants in regards to approval authority. We are a commercial entity that owes a responsibility to protect our assets and the resources we provide our community. At this time we are not aware of a less expensive life cycle cost for continual upkeep for ease of maintaining, or deliberate destruction from vandals. We would like to work with our Districts to find harmony and compromise. We will not move away from fencing our properties. Mrs. Horton has looked in to the possibilities of a compromise; each of which would require an assessment in District Five's billing. The assessment would have to be presented in ballot form. This is also something we would have to make available to all Districts. A rock wall would be close to (if not more) three (3) times the cost of the chain link fence. Landscaping is also a possibility, but with each of these prospects comes maintenance from vandals or funding for watering the shrubbery. Either option has its own concerns. The maintenance of a rock wall from vandals has costs. Landscaping can be blown over through chain link, and has several upkeep elements. Mr. Hayhoe clarified the community does understand the need for security, it's the amount of fencing currently apportioned and the lack of community discussion in regards to this footprint. Mr. Stull also brought to attention that using landscaping or a rock wall hides vandals and thieves. Mr. Crowley confirmed the security portion of the fence is necessary; however the aesthetics are the concern. The most cost effective answer is not always the best and feels the same standard should be applied in all Districts. Mrs. Horton advised we are extremely over budget on this project, and this fence does match all fencing in our Districts. Mr. Anderson reminded the public all government entities have chain link fences. Mr. Melton also brought to attention that we are projected



to fence all of our properties due to constant intrusion. Mr. Hayhoe has put forward in the last ICIP session a motion to enhance all DAMDWCA fencing; not only for Picacho Hills, but in all of the Districts. He agrees the same precedents should be made in all Districts. Executive Director Horton acknowledged more communication is necessary and we endeavor to improve this for our Districts.

**Adjournment**

Mr. Anderson moved to adjourn at 10:30 A.M.; the motion was seconded by Mr. Stull. The Chair called for a vote on the motion: and the motion carried by roll call vote 4-0.

\_\_\_\_\_  
Kurt Anderson  
Secretary/ Treasurer

\_\_\_\_\_  
Date





# DAMDWCA Customer Service Department Report

2 June 2016

- I. Billing:
  1. Billings was submitted to Postal Pros, on Friday, May 31, 2016 and will be mailed out on Monday, May 31, 2016 .
- II. Penalties:
  1. Penalties for May totaled: \$7,938.14
  2. Penalties will be processed on Wednesday, June 15, 2016.
- III. Disconnects:
  1. On Monday, May 23, 2016 we disconnected accounts for non-payment. A total of 74accounts were up for disconnection. A total of 42 were disconnected.
    - Dona Ana: 33
    - Ft. Selden: 5
    - Picacho Hills: 3
    - Fairview: 1
    - Previously Locked: 5
    - Paid prior to disconnection: 18
    - Removed due to billing issues: 9
  2. Total Reconnections for May 2016: 32
  3. Disconnections are scheduled for Tuesday, June 21, 2016.
- IV. Membership Certificates: Membership certificates are ready for signatures.
- V. Document Scanning: Docsvault is now operating on everyone's computer systems and everyone is scanning the information they receive almost daily. We have also started working on the backlog of scanning we had previously.
  - I. Total Membership as of April 21, 2016: 4, 351
  - II. Total number of Connections as of May 27, 2016: 5,597

# Operations Manager's Report

June 2016

## **Doña Ana MDWCA, Doña Ana MDWCA @ Ft. Selden Water System, Doña Ana MDWCA @ Picacho Hills Water System, and Doña Ana MDWCA @ Fairview Estates Water System**

### **Report for May 2016**

#### **Doña Ana MDWCA System:**

- Routine disinfection and bacteriological monitoring of the system were conducted throughout the month. Nine (9) samples were collected throughout the month at random alternate sites as per "Approved Sampling Plan" through New Mexico Environment Department-Drinking Water Bureau.
- Dona Ana water meters were read on 5/17 thru 5/18/16
- There were 9 new water services installed within the Doña Ana MDWCA System.
- Repaired 7 service leaks/angle valves in the D.A. service area.
- New valve boxes were installed at Elks Road Widening Project.
- Started on Tejean Trail water line extension. Installed 6 inch valve and 100 feet of 6 inch PVC pipe.
- Completed DRINKING WATER DISTRIBUTION SYSTEM SAMPLING PLAN (DSSP) for Doña Ana MDWCA PWS # NM 35-543-07.

#### **Doña Ana MDWCA @ Ft. Selden System:**

- Routine disinfection and bacteriological monitoring of the system were conducted throughout the month. One (1) sample was collected for the month at random alternate sites as per "Approved Sampling Plan" through New Mexico Environment Department-Drinking Water Bureau.
- All water meters were read on 5/17/16.
- There was 0 new water service installed within the Ft. Selden Water System.
- Repaired 2 service leak/angle valves
- Operators have had to repair 6 inch water main break on main coming out of booster pumps
- GPS Waypoint data collection has commenced and continues.

#### **Doña Ana MDWCA @ Picacho Hills System:**

- Routine disinfection and bacteriological monitoring of the system were conducted throughout the month. Two (2) samples were collected throughout the month at random alternate sites as per "Approved Sampling Plan" through New Mexico Environment Department-Drinking Water Bureau.
- All water meters were read on 5/16/16.
- There was 3 new service installed in Picacho Hills.
- Repaired 3 service leaks/angle valves.
- Cut asphalt and repaired on abandoned service line at Via Norte in Picacho Hills.
- Adjusted the Pressure Reducing Valve on Barcelona Ridge.
- Installed blinds at the Picacho Hills Office.
- Completed DRINKING WATER DISTRIBUTION SYSTEM SAMPLING PLAN (DSSP) for Picacho Hills Utility Company PWS # NM 35-106-07.
- Replaced Pilot Control Valve on PRV on Barcelona Ridge.

#### **Doña Ana MDWCA @ Fairview Water System:**

- Routine disinfection and bacteriological monitoring of the system were conducted throughout the month. One (1) sample was collected for the month at alternate sites as per "Approved Sampling Plan" through New Mexico Environment Department-Drinking Water Bureau.
- All water meters were read on 5/16/16.
- There were no new water services installed within the Fairview Estates Water System.
- Completed DRINKING WATER DISTRIBUTION SYSTEM SAMPLING PLAN (DSSP) for Fairview Estates Water Service PWS # NM 35-545-07.

**Respectfully Submitted,  
Orlando Parra  
Operations Manager**

# PROJECT MANAGERS REPORT 6/2/2016

## PICACHO HILLS PROJECTS

### TANK @ PICACHO HILLS

- Bids took place May 10, 2016 at 2:00 pm. There was total of seven bidders. Dona Ana MDWCA got really good bids on the project. The apparent low bidder was General Hydronic's Inc with a price of \$1,886,806.27. They are located out of Alamogordo, New Mexico. A few of their references include Holloman Air Force Base, City of Alamogordo, and Ruidoso. All references that were contacted had really good reports about their work.

### DISTRICT 5 WASTEWATER DISCHARGE PLAN

- A discharge permit has been submitted to New Mexico Environmental Department (NMED) Ground Water Quality Bureau (GWQB) for approval based on their comments. NMED indicated that review of the permit could extend up to 12 months.

### DISTRICT 5 HEADWORKS

- The Bar Screen was delivered to the site the first part of May 2016. Morrow Enterprises has built the concrete structure that holds the bar screen in place. They poured concrete this weekend on Saturday and are letting the concrete cure for the required seven days. Then the bar screen will be placed in the concrete structure.

## FAIRVIEW PROJECTS

### Fairview Water

- Construction commenced on January 25, 2016, substantial completion is scheduled for May 24, 2016 and readiness for final payment is June 23, 2016. The contractor is way ahead of schedule. Morrow is paving and flushing out water lines which are some of the final items that need to be done to complete the project. A final walk through will be conducted when ready.

### Fairview Water II

- At this time SMA is working with Morrow Enterprises to dig four test holes along the proposed location where the water line is to be placed to see what kind of utilities really exist. Multiple maps and as-buils all show different utilities through there. If the existing utilities are as shown on old maps the Association will pursue easements along the north side of the NMDOT alignment to ease construction.

## DONA ANA PROJECTS

### South East Collection

- SMA completed the surveying for the new site and is near completion of the new site design. The building permit application was submitted to DAC on February 23, 2016. United States Department of Agriculture (USDA) provided comments on the Wastewater Collection

Preliminary Engineering Report (PER) on January 25, 2016 and Souder Miller & Associates (SMA) is working with Association to address those comments.

#### SW Transmission Ph II, Armstrong Ph II, Elks IV

- Still pending legal matters

#### Railroad Crossings

- Construction began the week of March 21, 2016, substantial completion is scheduled for May 20, 2016 and readiness for final payment is June 4, 2016. Pedro Madrid, Alvillar, and Thorpe Railroad crossing are complete. The project is behind schedule. Engler Railroad crossing is taking place. Casing has been placed but pipe is on order and has not arrived. Placing the pipe, pressure testing, Bac-T's, Tie-Ins, and Backfilling still need to be conducted along with final walkthrough.

#### Wastewater Force main

- Plans were submitted and to Dona Ana MDWCA for review. Plans were given back with redlines for Souder Miller & Associates (SMA) to revise on Friday April 29, 2016. Revised plans will given back to Dona Ana MDWCA May 24, 2016. Revision will be given back to SMA May 27, 2016 if needed.

#### Well #8

- The Driller D&J Well Services have clean and swab the wells casing. The column pipe, shaft, and motor is placed back into place. The chemicals that were placed into the well for cleaning where pumped out Friday May 20 and May 23. Well #8 is complete and ready to be placed back online.

#### Vacuum Station

- SMA completed the surveying for the new site and is near completion for the new site design. The building permit application was submitted to Dona Ana County on February 23, 2016.

#### Transmission Waterlines

- The transmission waterline project located on Valley Drive, Taylor Road and Dona Ana Road have completed the data collection phases. NMED CPB stated they will not review the work plans but will review the construction package.

#### WW Collection PER

- USDA provided comments on the Wastewater Collection PER on January 25, 2016 and SMA is working with the Association to address the comments.

## RADIUM SPRINGS

### Radium Springs Water

- SMA submitted the contract documents and construction plans to NMED Drinking Water Bureau (DWB) for their records on January 7, 2016. Within 45 days of receiving Dona Ana MDWCA comments SMA will address comments and submit final design. USDA RD reviewed and approved the EJDC contract package to complete design and construction for the PER Alternatives B, C, D, E, F, & G. Monthly meetings are held with USDA on the second Tuesday of each month.

### Well #11

- Well #11 is complete and developed. The pump has been placed but has not been tested. There is a problem with the SCADA project and El Paso Electric not being able to supply power back to the sight (See SCADA Project). Once Electricity is back at the site the pump will be tested and the samples needed will be taken and sent to Hall Environmental located in Albuquerque for final results that will be sent to NMED. Tests take 30 Days minimum.

## MISCELLANIOUS PROJECTS

### SCADA Implementation Project

- Work is complete in Dona Ana and Picacho Hills area. The contractor is currently working on Wells #9, Well #10, and Well #11 located in Ft. Selden. Well #11's building, piping, and electrical have been finished. Well #9 and Well #10's piping is complete except for the smart check valve on both the sites. The smart valves were ordered May 14<sup>th</sup> and arrived May 20<sup>th</sup> after the piping was already placed at these locations. The foundation, building, and electrical need to be placed at Wells 9 and 10. The foundation and building is to be completed the week of May 27<sup>th</sup> if the county inspector will approve the sites forms and compaction. Electricians should be there for an estimated two weeks after building is erected. El Paso Electric (EPE) would not place a new meter at the current locations because new standards state that the power poles have to be 20' high. The existing poles do not meet the new standards of being 20' high. EPE requested that we place new poles 20' high at each well sight or they would not supply power. The issue was resolved May 24, 2016. After visiting with EPE they agreed to allow the existing poles to be used as long as bollards were placed under the lines so no vehicles could drive under the electrical lines and the meter box stay on the poles and not be placed on the buildings as per plan. Bollards have been placed on May 25<sup>th</sup> by DAMDWCA.

### GIS Mapping

- All the GIS points for the sewer manholes, water valves, meters, fire hydrants, and pressure reducing valves have been completed on February 25, 2016 in Picacho Hills. Project manager download all the data. GIS mapping of the Fort Selden area is still taking place but other projects have placed it on hold. Once the date is completed, the data will be formatted and GIS will be available for Operations to reference.



May 22, 2016

#6322636

Ms. Jennifer J. Horton, Executive Director  
Doña Ana Mutual Domestic Water Consumers Association  
5535 Ledesma Drive, Las Cruces, NM 88007  
P.O. Box 866, Doña Ana, NM 88032  
(575) 526-3491, (575) 526-9306 (Fax)  
[jennifer@dawater.org](mailto:jennifer@dawater.org)

**RE: RECOMMENDATION REGARDING AWARD OF CONSTRUCTION CONTRACT FOR THE  
DOÑA ANA MDWCA DISTRICT 5 WATER SYSTEM IMPROVEMENTS PROJECT**

Dear Ms. Horton:

Bids were opened for the Doña Ana Mutual Domestic Water Consumers Association (MDWCA) District 5 Water System Improvements Project on May 10, 2016 at 5535 Ledesma Drive, Las Cruces, New Mexico 88007. Seven bids were received for the project, and all bid packages were determined to be complete at the time of bid opening. The apparent low bidder was *General Hydronics Inc.* The **total** of the **Base Bids** ranged from one million, eight hundred eighty-six thousand, eight hundred six dollars and twenty-seven cents (\$1,886,806.27) to two million, nine hundred forty-eight thousand, six hundred thirty-four dollars and zero cents (\$2,948,634.00). The **total** for **Deduction #1** (Purchase and Delivery of PRV Pressure Reduction Valve) ranged from sixty-six thousand, seven hundred fifteen dollars and no cents, (\$66,715.00) to two hundred ten thousand, seven hundred eighty-three dollars and sixty cents (\$210,783.60). The **total** for **Deduction #2** (installation of one tank) ranged from seventy-one thousand, one hundred eighty-six dollars and twenty-five cents (\$71,186.25) to six hundred four thousand, seven hundred fifty dollars and no cents (\$604,750.00). The **total** for **Deduction #3** (demolition of existing tank) ranged from twenty-eight thousand, seven hundred forty-one dollars and no cents (\$28,741.00) to one hundred thousand dollars and no cents (\$100,000.00). Based on a review of the bids and deductions, the low bidder, *General Hydronics Inc.*, with a **base bid** amount of **\$1,886,806.27**, is recommended as the responsive bidder. Please refer to the attached bid tabulation spreadsheets for a detailed breakdown of the bids received.

SMA investigated *General Hydronics Inc.*'s past experience. The references provided by *General Hydronics Inc.*, contacted by SMA, provided good feedback on their quality of work. Please refer to the References Contacted sheet included.

Considering the Base Bid presented by lowest bidder, available funding, Owner's preferences, as well as the verification of qualifications of the company to perform the work associated with the project, SMA recommends award in the amount of **\$1,856,306.27** to *General Hydronics Inc.* The award amount includes the Base Bid and Deduction #3.



*Ms. Jennifer J. Horton*

*May 22, 2016*

*Page 2 of 2*

If the Association agrees, an agreement should be reached to “tentatively” award the construction contract to *General Hydronics Inc.* pending funding agency concurrence. We will then need a copy of the corresponding minutes to submit to the funding and review agency, along with the Contractor’s bid proposal, bid bond, qualification statement and compliance statement, to request concurrence from the funding agency in the award of the bid to *General Hydronics Inc.*

If the funding agency concurs with the decision of the board, the attached Notice of Award will be submitted to the contractor. The contractor will then have 15 days to deliver insurance, performance and payment bonds. Then the Notice to Proceed and Agreement between Owner and Contractor will be signed by Doña Ana MDWCA and sent to the Contractor.

Please feel free to contact either of the undersigned if you have any questions or concerns related to this recommendation of award.

Sincerely,

**MILLER ENGINEERING, INC. D/B/A  
SOUDER, MILLER & ASSOCIATES**



Kristin F. Montoya, P.E.

Project Engineer

*kristin.montoya@soudermiller.com*



Marty Howell, P.E.

Senior Engineer II

*marty.howell@soudermiller.com*

Enclosures: Bid Tabulation, References Contacted, Notice of Award, Agreement between Owner and Contractor and General Hydronics Inc.’s Bid package

Doña Ana MDWCA District 5  
Water System Improvements Project  
Bid Tabulation  
May 10, 2016

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	SMA		General Hydronics		File Construction, LLC		Morrow Enterprises		Highland Enterprises, Inc.		Smithco Construction, Inc		IDEALS, inc.		Smith & Aguirre Construction Co.			
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1	Material Testing Allowance	ALLOW	1	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	
2	Traffic Control	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 5,050.00	\$ 5,050.00	\$ 15,646.00	\$ 15,646.00	\$ 240,000.00	\$ 240,000.00	\$ 7,523.21	\$ 7,523.21	\$ 25,000.00	\$ 25,000.00	\$ 20,000.00	\$ 20,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	
3	Preparation, Implementation and Maintenance of a Storm Water Pollution Prevention Plan (SWPPP)	LS	1	\$ 8,500.00	\$ 8,500.00	\$ 7,070.00	\$ 7,070.00	\$ 12,200.00	\$ 12,200.00	\$ 1,255.00	\$ 1,255.00	\$ 3,224.23	\$ 3,224.23	\$ 25,000.00	\$ 25,000.00	\$ 16,000.00	\$ 16,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	
4	Preconstruction and Post-construction video documentation	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 1,515.00	\$ 1,515.00	\$ 3,465.00	\$ 3,465.00	\$ 1,050.00	\$ 1,050.00	\$ 477.66	\$ 477.66	\$ 10,000.00	\$ 10,000.00	\$ 2,100.00	\$ 2,100.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	
5	Furnish and Install 12-inch C-900 PVC DR18 Transmission Line Pipe along Picacho Mountain Loop (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	1,910	\$ 42.00	\$ 80,220.00	\$ 26.40	\$ 50,424.00	\$ 38.00	\$ 72,580.00	\$ 32.00	\$ 61,120.00	\$ 33.52	\$ 64,023.20	\$ 35.00	\$ 66,850.00	\$ 37.00	\$ 70,670.00	\$ 40.00	\$ 76,400.00	\$ 40.00	\$ 76,400.00
6	Furnish and Install 12-inch C-900 PVC DR18 Fill Line Pipe along Picacho Mountain Loop (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	1,912	\$ 42.00	\$ 80,304.00	\$ 26.40	\$ 50,476.80	\$ 38.00	\$ 72,656.00	\$ 32.00	\$ 61,184.00	\$ 27.58	\$ 52,732.96	\$ 35.00	\$ 66,920.00	\$ 37.00	\$ 70,744.00	\$ 40.00	\$ 76,480.00	\$ 40.00	\$ 76,480.00
7	Furnish and Install 10-inch C-900 PVC DR18 Pipe on Anthem Road (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	1,125	\$ 35.00	\$ 39,375.00	\$ 28.50	\$ 32,062.50	\$ 40.00	\$ 45,000.00	\$ 34.00	\$ 38,250.00	\$ 30.26	\$ 34,042.50	\$ 35.00	\$ 39,375.00	\$ 31.00	\$ 34,875.00	\$ 30.00	\$ 33,750.00	\$ 30.00	\$ 33,750.00
8	Furnish and Install 10-inch C-900 PVC DR18 Pipe on Barcelona Ridge (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	1,987	\$ 35.00	\$ 69,545.00	\$ 28.50	\$ 56,629.50	\$ 34.70	\$ 68,948.90	\$ 32.00	\$ 63,584.00	\$ 25.00	\$ 49,675.00	\$ 35.00	\$ 69,545.00	\$ 30.00	\$ 59,610.00	\$ 30.00	\$ 59,610.00	\$ 30.00	\$ 59,610.00
9	Furnish and Install 8-inch C-900 PVC DR18 Pipe on Anthem Road (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	2,095	\$ 30.00	\$ 62,850.00	\$ 28.00	\$ 58,660.00	\$ 28.00	\$ 58,660.00	\$ 30.00	\$ 62,850.00	\$ 21.44	\$ 44,916.80	\$ 30.00	\$ 62,850.00	\$ 24.00	\$ 50,280.00	\$ 20.00	\$ 41,900.00	\$ 20.00	\$ 41,900.00
10	Furnish & Install 12-inch Diameter Gate Valve w/ Valve Box and Extension (incl. all related appurtenances not included on Bid Form), CIP	EA	4	\$ 5,400.00	\$ 21,600.00	\$ 3,535.00	\$ 14,140.00	\$ 3,864.00	\$ 15,456.00	\$ 4,369.00	\$ 17,476.00	\$ 5,730.00	\$ 22,920.00	\$ 4,500.00	\$ 18,000.00	\$ 5,500.00	\$ 22,000.00	\$ 2,500.00	\$ 10,000.00	\$ 2,500.00	\$ 10,000.00
11	Furnish & Install 10-inch Diameter Gate Valve w/ Valve Box and Extension (incl. all related appurtenances not included on Bid Form), CIP	EA	6	\$ 5,100.00	\$ 30,600.00	\$ 2,686.60	\$ 16,119.60	\$ 2,780.00	\$ 16,680.00	\$ 3,375.00	\$ 20,250.00	\$ 3,875.00	\$ 23,250.00	\$ 3,500.00	\$ 21,000.00	\$ 4,000.00	\$ 24,000.00	\$ 1,500.00	\$ 9,000.00	\$ 1,500.00	\$ 9,000.00
12	Furnish & Install 8-inch Diameter Gate Valve w/ Valve Box and Extension (incl. all related appurtenances not included on Bid Form), CIP	EA	8	\$ 4,800.00	\$ 38,400.00	\$ 1,515.00	\$ 12,120.00	\$ 1,634.00	\$ 13,072.00	\$ 2,075.00	\$ 16,600.00	\$ 2,275.00	\$ 18,200.00	\$ 2,300.00	\$ 18,400.00	\$ 2,400.00	\$ 19,200.00	\$ 2,000.00	\$ 16,000.00	\$ 2,000.00	\$ 16,000.00
13	Furnish and Install 2-inch Combination Air Valves (incl. fittings and all related appurtenances not included separately on Bid Form), CIP	EA	13	\$ 4,800.00	\$ 62,400.00	\$ 4,141.00	\$ 53,833.00	\$ 3,300.00	\$ 42,900.00	\$ 5,380.00	\$ 69,940.00	\$ 4,955.00	\$ 64,415.00	\$ 5,000.00	\$ 65,000.00	\$ 3,261.00	\$ 42,393.00	\$ 4,000.00	\$ 52,000.00	\$ 4,000.00	\$ 52,000.00
14	Furnish and Install 8-inch Pressure Reduction Valves (incl. vaults, fittings and all related appurtenances not included separately on Bid Form), CIP	EA	4	\$ 14,000.00	\$ 56,000.00	\$ 29,492.00	\$ 117,968.00	\$ 38,252.00	\$ 153,008.00	\$ 40,980.00	\$ 163,920.00	\$ 36,693.00	\$ 146,772.00	\$ 35,000.00	\$ 140,000.00	\$ 30,250.00	\$ 121,000.00	\$ 15,000.00	\$ 60,000.00	\$ 15,000.00	\$ 60,000.00
15	Purchase and Deliver 8-inch Pressure Reduction Valves (incl. strainers, associated gate valves, fittings and all related appurtenances not included separately on Bid Form), CIP	EA	6	\$ 10,000.00	\$ 60,000.00	\$ 10,352.50	\$ 62,115.00	\$ 11,013.00	\$ 66,078.00	\$ 12,083.00	\$ 72,498.00	\$ 15,016.66	\$ 90,099.96	\$ 10,500.00	\$ 63,000.00	\$ 30,100.00	\$ 180,600.00	\$ 18,000.00	\$ 108,000.00	\$ 18,000.00	\$ 108,000.00
16	Purchase and Deliver 4-inch Pressure Reduction Valves (incl. fittings and all related appurtenances not included separately on Bid Form), CIP	LS	1	\$ 8,000.00	\$ 8,000.00	\$ 4,600.00	\$ 4,600.00	\$ 4,692.00	\$ 4,692.00	\$ 5,135.00	\$ 5,135.00	\$ 8,953.00	\$ 8,953.00	\$ 10,000.00	\$ 10,000.00	\$ 5,650.00	\$ 5,650.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
17	Tie into Existing 10" Waterline using a 10x10x10-inch Tee at Anthem Road (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 2,700.00	\$ 2,700.00	\$ 3,030.00	\$ 3,030.00	\$ 3,405.00	\$ 3,405.00	\$ 4,621.00	\$ 4,621.00	\$ 3,820.00	\$ 3,820.00	\$ 4,500.00	\$ 4,500.00	\$ 8,400.00	\$ 8,400.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00

Doña Ana MDWCA District 5  
Water System Improvements Project  
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ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	SMA		General Hydraulics		File Construction, LLC		Morrow Enterprises		Highland Enterprises, Inc.		Smithco Construction, Inc		IDEALS, inc.		Smith & Aguirre Construction Co.	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
18	Tie into Existing 8" Waterline using an 8x8x8-inch Tee with an 8x10-inch Reducer at Barcelona Ridge (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 2,828.00	\$ 2,828.00	\$ 2,000.00	\$ 2,000.00	\$ 3,211.00	\$ 3,211.00	\$ 5,012.00	\$ 5,012.00	\$ 4,000.00	\$ 4,000.00	\$ 8,200.00	\$ 8,200.00	\$ 4,000.00	\$ 4,000.00
19	Tie into Existing 8" Waterline using an 8x8x8-inch Tee on Anthem Road (incl. all related appurtenances not included on Bid Form), CIP	EA	2	\$ 2,300.00	\$ 4,600.00	\$ 2,020.00	\$ 4,040.00	\$ 1,819.00	\$ 3,638.00	\$ 4,121.00	\$ 8,242.00	\$ 2,265.00	\$ 4,530.00	\$ 4,000.00	\$ 8,000.00	\$ 5,300.00	\$ 10,600.00	\$ 4,000.00	\$ 8,000.00
20	Tie into Existing 8" Waterline using a 12x8-inch Reducer on Picacho Mountain Loop (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 2,900.00	\$ 2,900.00	\$ 1,212.00	\$ 1,212.00	\$ 863.00	\$ 863.00	\$ 2,521.00	\$ 2,521.00	\$ 1,700.00	\$ 1,700.00	\$ 3,500.00	\$ 3,500.00	\$ 7,400.00	\$ 7,400.00	\$ 4,000.00	\$ 4,000.00
21	Tie into Existing 10" Waterline using a 12x10-inch Reducer on Picacho Mountain Loop (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 1,111.00	\$ 1,111.00	\$ 901.00	\$ 901.00	\$ 2,563.00	\$ 2,563.00	\$ 1,780.00	\$ 1,780.00	\$ 3,500.00	\$ 3,500.00	\$ 7,450.00	\$ 7,450.00	\$ 4,000.00	\$ 4,000.00
22	Tie into Existing 8" Waterline using an 8x8x8-inch Wye and an 8x10-inch Reducer on Barcelona Ridge near Sta. 0+01 (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 3,100.00	\$ 3,100.00	\$ 2,424.00	\$ 2,424.00	\$ 2,133.00	\$ 2,133.00	\$ 3,432.00	\$ 3,432.00	\$ 3,200.00	\$ 3,200.00	\$ 4,000.00	\$ 4,000.00	\$ 8,500.00	\$ 8,500.00	\$ 4,000.00	\$ 4,000.00
23	Tie into Existing Well Piping from Existing Well No. 15 Building (incl. fittings, waterline connections, and all related appurtenances), CIP	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 404.00	\$ 404.00	\$ 600.00	\$ 600.00	\$ 2,179.00	\$ 2,179.00	\$ 800.00	\$ 800.00	\$ 3,000.00	\$ 3,000.00	\$ 7,050.00	\$ 7,050.00	\$ 4,000.00	\$ 4,000.00
24	Tie into New Tanks 12-inch Yard Piping at Sta. 0+00 on Picacho Mountain Loop (incl. all related appurtenances not included on Bid Form), CIP	EA	2	\$ 1,200.00	\$ 2,400.00	\$ 606.00	\$ 1,212.00	\$ 760.00	\$ 1,520.00	\$ 2,678.00	\$ 5,356.00	\$ 1,150.00	\$ 2,300.00	\$ 3,000.00	\$ 6,000.00	\$ 3,450.00	\$ 6,900.00	\$ 10,000.00	\$ 20,000.00
25	Remove Existing 90° Bend and Tie into Existing 8-inch Waterline (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 1,000.00	\$ 1,000.00	\$ 1,212.00	\$ 1,212.00	\$ 1,162.00	\$ 1,162.00	\$ 2,888.00	\$ 2,888.00	\$ 1,900.00	\$ 1,900.00	\$ 3,500.00	\$ 3,500.00	\$ 3,300.00	\$ 3,300.00	\$ 5,000.00	\$ 5,000.00
26	Furnish and Install 10-inch End Cap (incl. all required appurtenances not otherwise included on the Bid Form) as shown on detail sheet, CIP)	EA	1	\$ 1,000.00	\$ 1,000.00	\$ 404.00	\$ 404.00	\$ 553.00	\$ 553.00	\$ 294.00	\$ 294.00	\$ 1,300.00	\$ 1,300.00	\$ 400.00	\$ 400.00	\$ 2,700.00	\$ 2,700.00	\$ 500.00	\$ 500.00
27	Mira Montes Drive Bore Crossings, (including 20-inch steel casing, 10-inch steel support spacers, mechanical joint adapters, type "Z" manufactured seals, fittings, megalugs, stainless gaskets, and all required appurtenances not otherwise included on the Bid Form) as shown on detail sheet, CIP	LF	44	\$ 340.00	\$ 14,960.00	\$ 191.90	\$ 8,443.60	\$ 312.00	\$ 13,728.00	\$ 357.00	\$ 15,708.00	\$ 329.55	\$ 14,500.20	\$ 300.00	\$ 13,200.00	\$ 436.00	\$ 19,184.00	\$ 600.00	\$ 26,400.00
28	Mira Montes Drive Asphalt Removal and Replacement, for open cut crossing, (incl. 8 inches of base coarse, 3 inches of HMA, 12-inches of subgrade soil preparation, removal and replacement of concrete curb and gutter and all related appurtenances not included on Bid Form) as shown on detail sheet, CIP	SY	130	\$ 50.00	\$ 6,500.00	\$ 32.50	\$ 4,225.00	\$ 56.00	\$ 7,280.00	\$ 29.00	\$ 3,770.00	\$ 50.00	\$ 6,500.00	\$ 30.00	\$ 3,900.00	\$ 59.00	\$ 7,670.00	\$ 50.00	\$ 6,500.00
29	Picacho Hills Drive Bore Crossing, (including 20-inch steel casing, 10-inch steel support spacers, mechanical joint adapters, type "Z" manufactured seals, fittings, megalugs, stainless gaskets, and all required appurtenances not otherwise included on the Bid Form) as shown on detail sheet, CIP	LF	59	\$ 340.00	\$ 20,060.00	\$ 191.90	\$ 11,322.10	\$ 296.00	\$ 17,464.00	\$ 353.00	\$ 20,827.00	\$ 330.00	\$ 19,470.00	\$ 300.00	\$ 17,700.00	\$ 414.00	\$ 24,426.00	\$ 600.00	\$ 35,400.00
30	Furnish and Install 16-inch Steel Casing for Storm Drain Crossing (incl. 8-inch steel support spacers, mechanical joint adapters, type "Z" manufactured seals, fittings, megalugs, stainless gaskets, and all required appurtenances not otherwise included on the Bid Form) as shown on detail sheet, CIP	LF	19	\$ 220.00	\$ 4,180.00	\$ 78.78	\$ 1,496.82	\$ 89.00	\$ 1,691.00	\$ 258.00	\$ 4,902.00	\$ 225.00	\$ 4,275.00	\$ 165.00	\$ 3,135.00	\$ 204.00	\$ 3,876.00	\$ 100.00	\$ 1,900.00
31	Furnish & Install Fire Hydrant Assembly (incl. flush hydrant, piping, tee, megalugs, 6-inch gate valve and all related appurtenances not otherwise included on the Bid Form), CIP	EA	1	\$ 6,100.00	\$ 6,100.00	\$ 4,545.00	\$ 4,545.00	\$ 5,055.00	\$ 5,055.00	\$ 5,412.00	\$ 5,412.00	\$ 4,800.00	\$ 4,800.00	\$ 7,000.00	\$ 7,000.00	\$ 7,340.00	\$ 7,340.00	\$ 10,000.00	\$ 10,000.00
32	Asphalt Pavement Removal and Replacement for County Roads (incl. 8 inches of base coarse, 3 inches of HMA, 12-inches of subgrade soil preparation, curb and gutter, and all related appurtenances not included on Bid Form), CIP	SY	1,327	\$ 50.00	\$ 66,350.00	\$ 32.50	\$ 43,127.50	\$ 40.36	\$ 53,557.72	\$ 29.00	\$ 38,483.00	\$ 51.35	\$ 68,141.45	\$ 30.00	\$ 39,810.00	\$ 33.00	\$ 43,791.00	\$ 40.00	\$ 53,080.00

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ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	SMA		General Hydronics		File Construction, LLC		Morrow Enterprises		Highland Enterprises, Inc.		Smithco Construction, Inc		IDEALS, inc.		Smith & Aguirre Construction Co.	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
33	Demolish and Properly Dispose Existing 367,000 Gallon District 5 Water Tank and Footing upon Completion of Construction of New District 5 Water Tanks (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 30,500.00	\$ 30,500.00	\$ 36,273.00	\$ 36,273.00	\$ 42,966.85	\$ 42,966.85	\$ 45,000.00	\$ 45,000.00	\$ 42,500.00	\$ 42,500.00	\$ 55,800.00	\$ 55,800.00	\$ 100,000.00	\$ 100,000.00
34	Add new receiver radio to Existing Tank SCADA panel and Design new SCADA panel with radio and Install with level measurement probes on New Tanks (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 37,117.50	\$ 37,117.50	\$ 46,538.00	\$ 46,538.00	\$ 37,716.00	\$ 37,716.00	\$ 44,000.00	\$ 44,000.00	\$ 50,000.00	\$ 50,000.00	\$ 58,000.00	\$ 58,000.00	\$ 60,000.00	\$ 60,000.00
35	Tie Existing Fill Line into Existing Supply Line at Existing Tank Site with an 8x8x8-inch Wye (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 1,500.00	\$ 1,500.00	\$ 3,232.00	\$ 3,232.00	\$ 2,021.00	\$ 2,021.00	\$ 3,223.00	\$ 3,223.00	\$ 2,100.00	\$ 2,100.00	\$ 4,500.00	\$ 4,500.00	\$ 3,800.00	\$ 3,800.00	\$ 3,000.00	\$ 3,000.00
36	Remove Existing Tee and Install 8-inch Solid Sleeve at Existing Tank Site (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 1,200.00	\$ 1,200.00	\$ 303.00	\$ 303.00	\$ 1,589.00	\$ 1,589.00	\$ 2,750.00	\$ 2,750.00	\$ 1,100.00	\$ 1,100.00	\$ 4,000.00	\$ 4,000.00	\$ 3,100.00	\$ 3,100.00	\$ 1,000.00	\$ 1,000.00
37	Furnish and Install 840,000 Gallon Steel Storage Tank (include site earthwork, subgrade preparation, foundation, pond, painting, disinfection, target, access ladder, yard piping, valves, waterline connections and all related appurtenances), CIP	LS	2	\$ 1,100,000.00	\$ 2,200,000.00	\$ 481,000.00	\$ 962,000.00	\$ 485,000.00	\$ 970,000.00	\$ 424,727.88	\$ 849,455.76	\$ 577,950.00	\$ 1,155,900.00	\$ 550,000.00	\$ 1,100,000.00	\$ 639,000.00	\$ 1,278,000.00	\$ 800,000.00	\$ 1,600,000.00
38	Remove, Deliver to Client, and Replace Existing Anthem Booster Station (including removal of existing pump skid, installation of new skid system and control panel with four 200 gpm pumps, new motors, plumbing, ductile iron pipe, ductile iron bends, ductile iron reducers, electrical connections, mounting hardware, and all related appurtenances), CIP	LS	1	\$ 126,500.00	\$ 126,500.00	\$ 123,850.00	\$ 123,850.00	\$ 131,000.00	\$ 131,000.00	\$ 137,497.00	\$ 137,497.00	\$ 147,000.00	\$ 147,000.00	\$ 180,000.00	\$ 180,000.00	\$ 152,000.00	\$ 152,000.00	\$ 40,000.00	\$ 40,000.00
39	Furnish and Install Chain Link Fence (incl. vehicle gate and all related appurtenances), CIP	LF	870	\$ 30.00	\$ 26,100.00	\$ 18.40	\$ 16,008.00	\$ 18.80	\$ 16,356.00	\$ 17.00	\$ 14,790.00	\$ 19.75	\$ 17,182.50	\$ 20.00	\$ 17,400.00	\$ 37.00	\$ 32,190.00	\$ 30.00	\$ 26,100.00
40	Furnish and Install Gravel Roadway with 6-inch Base Course and 12-inch Subgrade Prep, 12-foot Width and Turnaround (incl. all related appurtenances not included on Bid Form), CIP	SY	548	\$ 15.00	\$ 8,220.00	\$ 8.59	\$ 4,707.32	\$ 14.50	\$ 7,946.00	\$ 8.00	\$ 4,384.00	\$ 14.40	\$ 7,891.20	\$ 15.00	\$ 8,220.00	\$ 14.00	\$ 7,672.00	\$ 10.00	\$ 5,480.00
41	Furnish and Install Slope Erosion Control with 6-Base Course (incl. all related appurtenances not included on Bid Form), CIP	SY	107	\$ 15.00	\$ 1,605.00	\$ 8.59	\$ 919.13	\$ 25.00	\$ 2,675.00	\$ 9.00	\$ 963.00	\$ 13.00	\$ 1,391.00	\$ 20.00	\$ 2,140.00	\$ 31.00	\$ 3,317.00	\$ 12.00	\$ 1,284.00
42	Furnish and Install Riprap at the Tanks Site (incl. all related appurtenances not included on Bid Form), CIP	CY	119	\$ 100.00	\$ 11,900.00	\$ 65.90	\$ 7,842.10	\$ 89.00	\$ 10,591.00	\$ 136.00	\$ 16,184.00	\$ 90.25	\$ 10,739.75	\$ 110.00	\$ 13,090.00	\$ 54.00	\$ 6,426.00	\$ 250.00	\$ 29,750.00
43	Remove and Replace Landcaping Gravel, Remove Tagged Vegetation and Return to the Home Owners Association, and Return Existing Drip Line to its Original Location along Anthem Road between Stations 0+00 and 11+25, (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 5,050.00	\$ 5,050.00	\$ 15,500.00	\$ 15,500.00	\$ 40,401.00	\$ 40,401.00	\$ 32,150.00	\$ 32,150.00	\$ 10,000.00	\$ 10,000.00	\$ 19,800.00	\$ 19,800.00	\$ 100,000.00	\$ 100,000.00
44	Remove and Replace Existing Fence at the Well 15 Site (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 505.00	\$ 505.00	\$ 4,235.00	\$ 4,235.00	\$ 593.00	\$ 593.00	\$ 2,865.00	\$ 2,865.00	\$ 2,500.00	\$ 2,500.00	\$ 15,700.00	\$ 15,700.00	\$ 20,000.00	\$ 20,000.00
45	Geotechnical Report for New Tanks Site	EA	1	\$ 4,500.00	\$ 4,500.00	\$ 4,040.00	\$ 4,040.00	\$ 5,174.00	\$ 5,174.00	\$ 4,148.00	\$ 4,148.00	\$ 6,000.00	\$ 6,000.00	\$ 20,000.00	\$ 20,000.00	\$ 4,900.00	\$ 4,900.00	\$ 75,000.00	\$ 75,000.00
46	Replace breaker in Anthem Booster Station Electrical Panel "H" (incl. replacement of oversized fuses, reconnection of power to new control panel, and all related appurtenances not included separately on Bid Form), CIP	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 2,222.00	\$ 2,222.00	\$ 2,811.00	\$ 2,811.00	\$ 6,017.00	\$ 6,017.00	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00	\$ 3,600.00	\$ 3,600.00	\$ 7,500.00	\$ 7,500.00
47	Add new Input/Outputs to Existing Anthem Booster Station SCADA RTU Unit (incl. all related appurtenances not included separately on Bid Form), CIP	LS	1	\$ 7,500.00	\$ 7,500.00	\$ 14,645.00	\$ 14,645.00	\$ 7,120.00	\$ 7,120.00	\$ 6,132.00	\$ 6,132.00	\$ 45,100.00	\$ 45,100.00	\$ 8,000.00	\$ 8,000.00	\$ 9,000.00	\$ 9,000.00	\$ 25,000.00	\$ 25,000.00
48	Over excavate three feet of existing soil for Tank No. 1 footings and replace with engineered fill as directed by the completed geotechnical report (incl. removing native material, processing and compaction of engineered fill, and all related appurtenances not included on Bid Form), CIP	CY	96	\$ 115.00	\$ 11,040.00	\$ 65.65	\$ 6,302.40	\$ 55.50	\$ 5,328.00	\$ 102.00	\$ 9,792.00	\$ 22.00	\$ 2,112.00	\$ 125.00	\$ 12,000.00	\$ 115.00	\$ 11,040.00	\$ 50.00	\$ 4,800.00

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				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
49	Over excavate three feet of existing soil for Tank No. 2 footings and replace with engineered fill as directed by the completed geotechnical report (incl. removing native material, processing and compaction of engineered fill, and all related appurtenances not included on Bid Form), CIP	CY	96	\$ 115.00	\$ 11,040.00	\$ 65.65	\$ 6,302.40	\$ 55.50	\$ 5,328.00	\$ 102.00	\$ 9,792.00	\$ 22.00	\$ 2,112.00	\$ 125.00	\$ 12,000.00	\$ 115.00	\$ 11,040.00	\$ 50.00	\$ 4,800.00
50	Furnish & Install 10-inch Check Valve w/ Vault (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 4,800.00	\$ 4,800.00	\$ 7,500.00	\$ 7,500.00	\$ 11,587.00	\$ 11,587.00	\$ 12,734.00	\$ 12,734.00	\$ 24,800.00	\$ 24,800.00	\$ 18,000.00	\$ 18,000.00	\$ 16,160.00	\$ 16,160.00	\$ 15,000.00	\$ 15,000.00
51	Furnish & Install 12-inch Check Valve w/ Vault (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 7,900.00	\$ 7,900.00	\$ 14,392.00	\$ 14,392.00	\$ 16,271.00	\$ 16,271.00	\$ 26,990.00	\$ 26,990.00	\$ 20,000.00	\$ 20,000.00	\$ 18,400.00	\$ 18,400.00	\$ 18,000.00	\$ 18,000.00
52	Furnish & Install 8-inch Mag Flow Meter w/ Vault (incl. 36x36-inch galvanized can with ring and lid, wiring and all related appurtenances not included separately on Bid Form), CIP	EA	1	\$ 9,000.00	\$ 9,000.00	\$ 4,040.00	\$ 4,040.00	\$ 12,658.00	\$ 12,658.00	\$ 9,453.00	\$ 9,453.00	\$ 15,070.00	\$ 15,070.00	\$ 15,000.00	\$ 15,000.00	\$ 17,800.00	\$ 17,800.00	\$ 20,000.00	\$ 20,000.00
Total:				\$ 3,302,049.00	\$ 3,302,049.00	\$ 1,886,806.27	\$ 1,886,806.27	\$ 2,093,714.62	\$ 2,093,714.62	\$ 2,252,783.61	\$ 2,252,783.61	\$ 2,375,257.62	\$ 2,375,257.62	\$ 2,376,435.00	\$ 2,376,435.00	\$ 2,651,654.00	\$ 2,651,654.00	\$ 2,948,634.00	\$ 2,948,634.00

**DEDUCTION #1**

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
D1-1	Purchase and Deliver 8-inch Pressure Reduction Valves (incl. fittings and all related appurtenances not included separately on Bid Form), CIP	LS	6	\$ 10,000.00	\$ 60,000.00	\$ 10,352.50	\$ 62,115.00	\$ 34,426.80	\$ 206,560.80	\$ 12,083.00	\$ 72,498.00	\$ 14,000.00	\$ 84,000.00	\$ 10,500.00	\$ 63,000.00	\$ 13,800.00	\$ 82,800.00	\$ 15,000.00	\$ 90,000.00
D1-2	Purchase and Deliver 4-inch Pressure Reduction Valves (incl. fittings and all related appurtenances not included separately on Bid Form), CIP	LS	1	\$ 8,000.00	\$ 8,000.00	\$ 4,600.00	\$ 4,600.00	\$ 4,222.80	\$ 4,222.80	\$ 5,135.00	\$ 5,135.00	\$ 8,300.00	\$ 8,300.00	\$ 10,000.00	\$ 10,000.00	\$ 1,507.00	\$ 1,507.00	\$ 10,000.00	\$ 10,000.00
Total:				\$ 68,000.00	\$ 68,000.00	\$ 66,715.00	\$ 66,715.00	\$ 210,783.60	\$ 210,783.60	\$ 77,633.00	\$ 77,633.00	\$ 92,300.00	\$ 92,300.00	\$ 73,000.00	\$ 73,000.00	\$ 84,307.00	\$ 84,307.00	\$ 100,000.00	\$ 100,000.00

**DEDUCTION #2**

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
D2-1	Furnish and Install 900,000 gallon steel storage tank (include subgrade preparation, foundation, painting, disinfection, target, access ladder, yard piping, valves, waterline connections and all related appurtenances), CIP	LS	1	\$ 1,100,000.00	\$ 1,100,000.00	\$ 481,000.00	\$ 481,000.00	\$ 371,265.00	\$ 371,265.00	\$ 424,727.88	\$ 424,727.88	\$ 69,500.00	\$ 69,500.00	\$ 550,000.00	\$ 550,000.00	\$ 526,563.00	\$ 526,563.00	\$ 600,000.00	\$ 600,000.00
D2-2	Over excavate three feet of existing soil for Tank No. 1 footings and replace with engineered fill as directed by the completed geotechnical report (incl. removing native material, processing and compaction of engineered fill, and all related appurtenances not included on Bid Form), CIP	CY	95	\$ 115.00	\$ 10,925.00	\$ 52.50	\$ 4,987.50	\$ 55.50	\$ 5,272.50	\$ 102.00	\$ 9,690.00	\$ 17.75	\$ 1,686.25	\$ 125.00	\$ 11,875.00	\$ 103.00	\$ 9,785.00	\$ 50.00	\$ 4,750.00
Total:				\$ 1,168,000.00	\$ 1,168,000.00	\$ 485,987.50	\$ 485,987.50	\$ 376,537.50	\$ 376,537.50	\$ 434,417.88	\$ 434,417.88	\$ 71,186.25	\$ 71,186.25	\$ 561,875.00	\$ 561,875.00	\$ 536,348.00	\$ 536,348.00	\$ 604,750.00	\$ 604,750.00

**DEDUCTION #3**

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
D3-1	Demolish and Properly Dispose Existing 367,000 Gallon District 5 Water Tank and Footing upon Completion of Construction of New District 5 Water Tanks (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 30,500.00	\$ 30,500.00	\$ 28,741.00	\$ 28,741.00	\$ 42,966.85	\$ 42,966.85	\$ 29,000.00	\$ 29,000.00	\$ 42,500.00	\$ 42,500.00	\$ 43,480.00	\$ 43,480.00	\$ 100,000.00	\$ 100,000.00
Total:				\$ 50,000.00	\$ 50,000.00	\$ 30,500.00	\$ 30,500.00	\$ 28,741.00	\$ 28,741.00	\$ 42,966.85	\$ 42,966.85	\$ 29,000.00	\$ 29,000.00	\$ 42,500.00	\$ 42,500.00	\$ 43,480.00	\$ 43,480.00	\$ 100,000.00	\$ 100,000.00

**CERTIFICATION:**

I certify that the above figures are the evaluated bid prices from those submitted in the Bid Form.



Kristin F. Montoya, P.E.  
Souder, Miller & Associates

17-May-16

Date

**Person Contacted:** Bob Johnson

**Company Contacted:** City of Alamogordo

**Phone No.:** (575) 439-4129

**Project Name:** Well Transmission Ph III Snake Tank and La Luz Well #2R

**Contract Amount:** \$1,224,000 and \$403,106

**Project Year:** 2015 and 2014

**Questions:**

Was the project completed on schedule? *Yes, both were completed on or ahead of schedule.*

Was the project completed on budget? *Yes.*

Was the contractor easy to work with? *They are great to work with. They are good at their paperwork and are spot on at turning stuff in.*

What was the quality of work? *The quality of work was great.*

Were there any change orders? If so, explain. *There was a minor change order on the transmission line project, but it was a design error that needed to be corrected.*

Were there any problems? If so, explain. *No problems at all.*

Are there any additional comments? *Phase III is listed here, but they completed Phase I and Phase II as well. The projects consisted of the installation of several miles of 26-inch waterline. You will get great work from General Hydronics.*

Do you know of any other projects they have completed? *Yes, they have completed several projects for the City of Alamogordo in both our Engineering and Public Works Department. We have never had any problems.*

---

**Person Contacted:** Brian Turnbull

**Company Contacted:** DWG & Associates

**Phone No.:** (575) 446-4580

**Project Name:** Repair Water Pipe Eagle Tower

**Contract Amount:** \$1,658,204

**Project Year:** 2014

**Questions:**

Was the project completed on schedule? *Yes*

Was the project completed on budget? *Yes.*

Was the contractor easy to work with? *Yes.*

What was the quality of work? *Good.*

Were there any change orders? If so, explain. *No.*

Were there any problems? If so, explain. *They have had some issues with scheduling. As a subcontractor, they would say they were going to be there on Monday and then show up on Wednesday. Although I wouldn't say they are any worse than other subcontractors.*

Are there any additional comments? *We have been working with them since the early 90's. They have completed several different kinds of projects for us here at Holloman.*

Do you know of any other projects they have completed? *They have completed several projects for us including relining a sewer pump station wet well, replaced big valves on fire flow loop, and have done plumbing for new and existing buildings. I think they have also worked for Mesa Verde out of Alamogordo, E-Core, Mescalero and the City of Alamogordo.*

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**Person Contacted:** Margaret Dubbin

**Company Contacted:** Ideals Inc.

**Phone No.:** 575-532-9652

**Project Name:** Prather Waterline

**Contract Amount:** \$1,285,175

**Project Year:** 2011

**Questions:**

Was the project completed on schedule? *Yes.*

Was the project completed on budget? *As far as I know, yes.*

Was the contractor easy to work with? *Very easy, good working relationship.*

What was the quality of work? *Good.*

Were there any change orders? If so, explain. *They were not the prime contractor so she is not sure if there were any or not.*

Were there any problems? If so, explain. *No problems that I am aware of.*

Are there any additional comments? *They are a fantastic contractor.*

Do you know of any other projects they have completed? *Yes, I can't think of any specific names but I've worked with them on the HAFB Master Water and Sewer Lines project, many Alamogordo street maintenance projects where they replaced water and sewer lines, and ADA ramps. They did good job on all of them.*

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**Person Contacted:** Edward Balderamma  
**Company Contacted:** City of Alamogordo  
**Phone No.:** (575) 439-4339  
**Project Name:** Street Maintenance Program FY2014

**Questions:**

Was the project completed on schedule? *No, but the delay was at the fault of the city not the contractor.*

Was the project completed on budget? *No, once again not a contractor issue.*

Was the contractor easy to work with? *Yes, very easy to work with.*

What was the quality of work? *Very good quality of work.*

Were there any change orders? If so, explain. *There may have been one to adjust the quantities but that was the due to changes the city wanted, not the contractor.*

Were there any problems? If so, explain. *No problems.*

Are there any additional comments? *Good quality contractor. They work well with us and we have no issues with how they work.*

Do you know of any other projects they have completed? *Yes, they actually do a majority of the city's work. They did the Maintenance Projects in 2004, 2006, 2008, 2009, 2010, 2013 and many more of our projects*

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**Person Contacted:** Rhonda Winder  
**Company Contacted:** Indian Health Services, Project Manager  
**Phone No.:** (505) 974-1094  
**Project Name:** Mesacalero Mud Canyon Sewer Main Extension  
**Contract Amount:** \$4,204,776.41  
**Project Year:** 2016

**Questions:**

Was the project completed on schedule? *No, but that was due to inclement weather not contractor issues.*

Was the project completed on budget? *Yes.*

Was the contractor easy to work with? *Yes, one of the best we have worked with, they listen well, take advisement well and do not move ahead without direction.*

What was the quality of work? *Good, they are very communicative, follow standards, ask questions and had a good working relationship with the tribe. They were respectful of the tribes wishes. This was a difficult job due to weather and mud but they were persistent in getting the job done.*



Were there any change orders? If so, explain. *Yes, but nothing that was the contractors fault. Change orders were due to the plans that we had, changes made were above and beyond the scope. Also due to water relocation because utility lines were not marked, and there was no way to deviate around them and then for time due to weather*

Were there any problems? If so, explain. *In the beginning there was a misunderstanding with the tribe due to miscommunication. This was General Hydronics' first time working with the tribe and they did not know that taxes should have been paid to them not to the state. The expectation was not made clear by the tribe and it created tension. Once everything was cleared up a good working relationship was created and all is well.*

Are there any additional comments? *General Hydronics managed to save the tribe money during phase 1 due to their good ingenuity. Originally the plan was to cut the highway but they were able to move over and work right off of the highway instead. The money that they saved allowed for a phase 2 which General Hydronics did as well. We were very pleased that they got phase 2.*

Do you know of any other projects they have completed? *No, I do believe they have done more work for the tribe but I am not sure of exact projects*

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**Person Contacted:** Eddie Livingston

**Company Contacted:** Livingston and Associates- Engineer

**Phone No.:** (575) 439-8588

**Project Name:** Well Transmission Line, Phase III- Priority 1A and the La Luz Well Replacement, La Luz Well #2R Project

**Contract Amount:** \$403,106.00 (La Luz Well #2R Project)

**Project Year:** 2014

**Questions:**

Was the project completed on schedule? *Yes, they always finish projects on time and have beat the schedule a number of times.*

Was the project completed on budget? *Yes, they stay on budget,*

Was the contractor easy to work with? *Yes, they have a good crew that is very easy to work with.*

What was the quality of work? *The quality is great. They also provide good submittals*

Were there any change orders? If so, explain. *If there were any, they were design changes, not at the request of the contractor. They don't push for any change orders.*

Were there any problems? If so, explain. *No, I've never had any problems with them*

*Are there any additional comments? We have designed all of the large diameter waterlines for the City of Alamogordo and we have worked with General Hydronics on approximately 10 projects since 1998. They have installed waterlines ranging in size from 20-inches to 40-inches. They have also done work in busy areas of town and we've never had any complaints. They have completed large bores crossing the highway.*

*Do you know of any other projects they have completed? I know they contract work with developers. They work on infrastructure, including water, sewer and meters.*

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## NOTICE OF AWARD

Date of Issuance:

Owner: Doña Ana MDWCA                      Owner's Contract No.:

Engineer: Souder, Miller & Associates                      Engineer's Project No.: 6322636

Project: District 5 Water System                      Contract Name: District 5 Water System Improvements  
Improvements

Bidder: General Hydronics Inc.

Bidder's Address: 1001 Zuni Drive, Suite C, Alamogordo, NM 88310

### TO BIDDER:

You are notified that Owner has accepted your Bid dated May 10, 2016 for the above Contract, and that you are the Successful Bidder and are awarded a Contract for:

The installation of 8-inch, 10-inch and 12-inch PVC waterlines, some trenchless pipe installation, combination air valves, pressure reducing valves, a fire hydrant, gate valves, connecting new waterline to existing lines, installation of new tanks, yard piping and valves and some removal and replacement of asphalt pavement.

*[describe Work, alternates, or sections of Work awarded]*

The Contract Price of the awarded Contract is: \$1,856,306.27 *[subject to unit prices]*

unexecuted counterparts of the Agreement accompany this Notice of Award, and four copies of the Contract Documents accompanies this Notice of Award, or has been transmitted or made available to Bidder electronically.

a set of the Drawings will be delivered separately from the other Contract Documents.

You must comply with the following conditions precedent within 15 days of the date of receipt of this Notice of Award:

1. Deliver to Owner four (4) counterparts of the Agreement, fully executed by Bidder.
2. Deliver with the executed Agreement(s) the Contract security *[e.g., performance and payment bonds]* and insurance documentation as specified in the Instructions to Bidders and General Conditions, Articles 2 and 6.
3. Other conditions precedent (if any): Contractor to submit a construction schedule and submittals on or before the day of the preconstruction meeting.

Failure to comply with these conditions within the time specified will entitle Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within ten days after you comply with the above conditions, Owner will return to you one fully executed counterpart of the Agreement, together with any additional copies of the Contract Documents as indicated in Paragraph 2.02 of the General Conditions.

Owner: \_\_\_\_\_  
Authorized Signature

By: \_\_\_\_\_  
Jennifer J. Horton

Title: \_\_\_\_\_  
Executive Director

Date Issued \_\_\_\_\_

Copy: Engineer

**AGREEMENT  
BETWEEN OWNER AND CONTRACTOR  
FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)**

THIS AGREEMENT is by and between \_\_\_\_\_ Doña Ana MDWCA \_\_\_\_\_ (“Owner”) and  
\_\_\_\_\_ General Hydronics Inc. \_\_\_\_\_ (“Contractor”).

Owner and Contractor hereby agree as follows:

**ARTICLE 1 – WORK**

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

**ARTICLE 2 – THE PROJECT**

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows:

The installation of 8-inch, 10-inch and 12-inch PVC waterlines, some trenchless pipe installation, combination air valves, pressure reducing valves, a fire hydrant, gate valves, connecting new waterline to existing lines, installation of new tanks, yard piping and valves and some removal and replacement of asphalt pavement.

**ARTICLE 3 – ENGINEER**

3.01 The Project has been designed by Souder, Miller & Associates (“Engineer”) to act as Owner’s representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

**ARTICLE 4 – CONTRACT TIMES**

4.01 *Time of the Essence*

A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 *Contract Times: Days*

A. The Work will be substantially completed within 255 calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 270 calendar days after the date when the Contract Times commence to run. The Contractor is required to complete work on Bid Items not related to Deduction #2 D2-1 and D2-2 within 180 calendar days.

4.03 *Liquidated Damages*

A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the times specified in Paragraph 4.02 above, plus any

extensions thereof allowed in accordance with the Contract. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):

1. Substantial Completion: Contractor shall pay Owner \$1,000 for each day that expires after the time (as duly adjusted pursuant to the Contract) specified in Paragraph 4.02.A above for Substantial Completion until the Work is substantially complete.
2. Completion of Remaining Work: After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Time (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner \$1,000 for each day that expires after such time until the Work is completed and ready for final payment.
3. Liquidated damages for failing to timely attain Substantial Completion and final completion are not additive and will not be imposed concurrently.

## **ARTICLE 5 – CONTRACT PRICE**

- 5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents the amounts that follow, subject to adjustment under the Contract:

For all Work, at the prices stated in Contractor's Bid, attached hereto as an exhibit, with an estimated total of all unit price work equivalent to \$1,856,306.27 (one million, eight hundred fifty-six thousand, three hundred six dollars and twenty-seven cents).

The extended prices for Unit Price Work set forth as of the Effective Date of the Contract are based on estimated quantities. As provided in Paragraph 13.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer.

## **ARTICLE 6 – PAYMENT PROCEDURES**

### **6.01 *Submittal and Processing of Payments***

- A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

### **6.02 *Progress Payments***

- A. Owner shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment on or about the 25<sup>th</sup> day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments

previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract

- a. 100 percent of Work completed and
  - b. 100 percent of cost of materials and equipment not incorporated in the Work.
- B. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to 100 percent of the Work completed, less such amounts set off by Owner pursuant to Paragraph 15.01.E of the General Conditions, and less 100 percent of Engineer's estimate of the value of Work to be completed or corrected as shown on the punch list of items to be completed or corrected prior to final payment.

#### 6.03 *Final Payment*

- A. Upon final completion and acceptance of the Work in accordance with Paragraph 15.06 of the General Conditions, Owner shall pay the remainder of the Contract Price as recommended by Engineer as provided in said Paragraph 15.06.

### **ARTICLE 7 – INTEREST**

- 7.01 All amounts not paid when due shall bear interest at the rate of 1.5% per month, or other rate mutually agreed between the Owner and Contractor prior to presentation of corresponding Application for Payment.

### **ARTICLE 8 – CONTRACTOR'S REPRESENTATIONS**

- 8.01 In order to induce Owner to enter into this Contract, Contractor makes the following representations:
- A. Contractor has examined and carefully studied the Contract Documents, and any data and reference items identified in the Contract Documents.
  - B. Contractor has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
  - C. Contractor is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
  - D. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (3) Contractor's safety precautions and programs.
  - E. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
  - F. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.

- G. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
- H. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
- I. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

## ARTICLE 9 – CONTRACT DOCUMENTS

### 9.01 *Contents*

- A. The Contract Documents consist of the following:
  - 1. This Agreement (pages 1 to 7, inclusive).
  - 2. Performance bond (pages 1 to 3, inclusive).
  - 3. Payment bond (pages 1 to 3, inclusive).
  - 4. General Conditions (pages 1 to 65, inclusive).
  - 5. Supplementary Conditions (pages 1 to 8, inclusive).
  - 6. Specifications as listed in the table of contents of the Project Manual.
  - 7. Drawings listed on the attached sheet index.
  - 8. Addenda (numbers 1 to 4, inclusive).
  - 9. Exhibits to this Agreement (enumerated as follows):
    - a. Contractor's Bid (pages 1 to 13, inclusive), plus required attachments to the Bid as stipulated in Article 7 of the Bid Form, including but not necessarily limited to List of Proposed Subcontractors, List of Proposed Suppliers, List of Proposed Equipment Manufacturers.
  - 10. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
    - a. Notice to Proceed.
    - b. Work Change Directives.
    - c. Change Orders.
    - d. Field Orders.
- B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 9.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in the General Conditions.

## ARTICLE 10 – MISCELLANEOUS

### 10.01 *Terms*

- A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

### 10.02 *Assignment of Contract*

- A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

### 10.03 *Successors and Assigns*

- A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

### 10.04 *Severability*

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

### 10.05 *Contractor's Certifications*

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 10.05:
  1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process or in the Contract execution;
  2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
  3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
  4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.



10.06 *Other Provisions*

- A. Owner stipulates that if the General Conditions that are made a part of this Contract are based on EJCDC® C-700, Standard General Conditions for the Construction Contract, published by the Engineers Joint Contract Documents Committee®, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor in the Supplementary Conditions.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on \_\_\_\_\_ (which is the Effective Date of the Contract).

OWNER:

Doña Ana MDWCA  
\_\_\_\_\_

By: Jennifer J. Horton

Title: Executive Director

Attest: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Address for giving notices:

P.O. Box 866

Doña Ana, NM 88032  
\_\_\_\_\_

CONTRACTOR:

General Hydronics Inc.  
\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

*(If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)*

Attest: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Address for giving notices:

1001 Zuni Drive, Suite C

Alamogordo, NM 88310  
\_\_\_\_\_

License No.: 26970

*(where applicable)*

*(If Owner is a corporation, attach evidence of authority to sign. If Owner is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)*

*Agency Concurrence:*

Agency Concurrence:

As lender or insurer of funds to defray the costs of this Contract, and without liability for any payments thereunder, the Agency hereby concurs in the form, content, and execution of this Agreement.

Agency: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

General Hydronics Inc  
License # 26970  
1001 Zuni Dr., Ste C  
Alamogordo NM 88310-9044

---

Dona Ana MDWCA  
Attn: Ms. Jennifer J. Horton, Ex. Director  
5535 Ledesma Drive  
Las Cruces NM 88007

**BID**  
**Dona Ana MDWCA District 5 Water System  
Improvement Project**

Bid Date: May 10, 2016 @ 2:00 p. (MST)

*Blanca 1:22pm*  
MAY 10 2016

**PROJECT MANUAL FOR  
District 5 Water System  
Improvements Project**

**Doña Ana MDWCA**

**February 2016**

Bid Open Date: May 10, 2016  
Bid Time: 2:00 p.m.

**BID FORM**

DOÑA ANA MDWCA  
DISTRICT 5 WATER SYSTEM IMPROVEMENTS PROJECT

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**ARTICLE 1 – BID RECIPIENT**

- 1.01 This Bid is submitted to:  
Doña Ana MDWCA  
Attn: Ms. Jennifer J. Horton, Executive Director  
5535 Ledesma Drive  
Doña Ana, New Mexico 88007
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS**

- 2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

### ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
<u>No. 1</u>	<u>April 21, 2016</u>
<u>No. 2</u>	<u>April 27, 2016</u>
<u>No. 3</u>	<u>May 2, 2016</u>
<u>No. 4</u>	<u>May 6, 2016</u>

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder’s safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.

- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

#### ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
  1. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
  2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
  3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
  4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

#### ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

**Note: Gross receipts tax not included.**

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
1	Material Testing Allowance	ALLOW	1	\$8,000.00	\$8,000.00
2	Traffic Control	LS	1	\$5,050.00	\$5,050.00
3	Preparation, Implementation and Maintenance of a Storm Water Pollution Prevention Plan (SWPPP)	LS	1	\$7,070.00	\$7,070.00
4	Preconstruction and Post-construction video documentation	LS	1	\$1,515.00	\$1,515.00

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
5	Furnish and Install 12-inch C-900 PVC DR18 Transmission Line Pipe along Picacho Mountain Loop (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	1,910	\$26.40	\$50,424.00
6	Furnish and Install 12-inch C-900 PVC DR18 Fill Line Pipe along Picacho Mountain Loop (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	1,912	\$26.40	\$50,476.80
7	Furnish and Install 10-inch C-900 PVC DR18 Pipe on Anthem Road (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	1,125	\$28.50	\$32,062.50
8	Furnish and Install 10-inch C-900 PVC DR18 Pipe on Barcelona Ridge (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	1,987	\$28.50	\$56,629.50
9	Furnish and Install 8-inch C-900 PVC DR18 Pipe on Anthem Road (incl. trenching, all required fittings, restraints, angles, thrust blocking, bedding, backfill, tracer wire, warning tape, compaction, disinfection, and all related appurtenances not included on Bid Form), CIP	LF	2,095	\$28.00	\$58,660.00
10	Furnish & Install 12-inch Diameter Gate Valve w/ Valve Box and Extension (incl. all related appurtenances not included on Bid Form), CIP	EA	4	\$3,535.00	\$14,140.00



ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
11	Furnish & Install 10-inch Diameter Gate Valve w/ Valve Box and Extension (incl. all related appurtenances not included on Bid Form), CIP	EA	6	\$2,686.60	\$16,119.60
12	Furnish & Install 8-inch Diameter Gate Valve w/ Valve Box and Extension (incl. all related appurtenances not included on Bid Form), CIP	EA	8	\$1,515.00	\$12,120.00
13	Furnish and Install 2-inch Combination Air Valves (incl. fittings and all related appurtenances not included separately on Bid Form), CIP	EA	13	\$4,141.00	\$53,833.00
14	Furnish and Install 8-inch Pressure Reduction Valves (incl. vaults, fittings and all related appurtenances not included separately on Bid Form), CIP	EA	4	\$29,492.00	\$117,968.00
15	Purchase and Deliver 8-inch Pressure Reduction Valves (incl. strainers, associated gate valves, fittings and all related appurtenances not included separately on Bid Form), CIP	EA	6	\$10,352.50	\$62,115.00
16	Purchase and Deliver 4-inch Pressure Reduction Valves (incl. strainers, associated gate valves, fittings and all related appurtenances not included separately on Bid Form), CIP	LS	1	\$4,600.00	\$4,600.00
17	Tie into Existing 10" Waterline using a 10x10x10-inch Tee at Anthem Road (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$3,030.00	\$3,030.00
18	Tie into Existing 8" Waterline using an 8x8x8-inch Tee with an 8x10-inch Reducer at Barcelona Ridge (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$2,828.00	\$2,828.00
19	Tie into Existing 8" Waterline using an 8x8x8-inch Tee on Anthem Road (incl. all related appurtenances not included on Bid Form), CIP	EA	2	\$2,020.00	\$4,040.00
20	Tie into Existing 8" Waterline using a 12x8-inch Reducer on Picacho Mountain Loop (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$1,212.00	\$1,212.00
21	Tie into Existing 10" Waterline using a 12x10-inch Reducer on Picacho Mountain Loop (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$1,111.00	\$1,111.00

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
22	Tie into Existing 8" Waterline using an 8x8x8-inch Wye and an 8x10-inch Reducer on Barcelona Ridge near Sta. 0+01 (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$2,424.00	\$2,424.00
23	Tie into Existing Well Piping from Existing Well No. 15 Building (incl. fittings, waterline connections, and all related appurtenances), CIP	LS	1	\$404.00	\$404.00
24	Tie into New Tanks 12-inch Yard Piping at Sta. 0+00 on Picacho Mountain Loop (incl. all related appurtenances not included on Bid Form), CIP	EA	2	\$606.00	\$1,212.00
25	Remove Existing 90° Bend and Tie into Existing 8-inch Waterline (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$1,212.00	\$1,212.00
26	Furnish and Install 10-inch End Cap (incl. all required appurtenances not otherwise included on the Bid Form) as shown on detail sheet, CIP)	EA	1	\$404.00	\$404.00
27	Mira Montes Drive Bore Crossings, (including 20-inch steel casing, 10-inch steel support spacers, mechanical joint adapters, type "Z" manufactured seals, fittings, megalugs, stainless gaskets, and all required appurtenances not otherwise included on the Bid Form) as shown on detail sheet, CIP	LF	44	\$191.90	\$8,443.60
28	Mira Montes Drive Asphalt Removal and Replacement, for open cut crossing, (incl. 8 inches of base coarse, 3 inches of HMAC, 12-inches of subgrade soil preparation, removal and replacement of concrete curb and gutter and all related appurtenances not included on Bid Form) as shown on detail sheet, CIP	SY	130	\$32.50	\$4,225.00
29	Picacho Hills Drive Bore Crossing, (including 20-inch steel casing, 10-inch steel support spacers, mechanical joint adapters, type "Z" manufactured seals, fittings, megalugs, stainless gaskets, and all required appurtenances not otherwise included on the Bid Form) as shown on detail sheet, CIP	LF	59	\$191.90	\$11,322.10

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
30	Furnish and Install 16-inch Steel Casing for Storm Drain Crossing (incl. 8-inch steel support spacers, mechanical joint adapters, type "Z" manufactured seals, fittings, megalugs, stainless gaskets, and all required appurtenances not otherwise included on the Bid Form) as shown on detail sheet, CIP	LF	19	\$78.78	\$1,496.82
31	Furnish & Install Fire Hydrant Assembly (incl. flush hydrant, piping, tee, megalugs, 6-inch gate valve and all related appurtenances not otherwise included on the Bid Form), CIP	EA	1	\$4,545.00	\$4,545.00
32	Asphalt Pavement Removal and Replacement for County Roads (incl. 8 inches of base coarse, 3 inches of HMAC, 12-inches of subgrade soil preparation, curb and gutter, and all related appurtenances not included on Bid Form), CIP	SY	1,327	\$32.50	\$43,127.50
33	Demolish and Properly Dispose Existing 367,000 Gallon District 5 Water Tank and Footing upon Completion of Construction of New District 5 Water Tanks (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$30,500.00	\$30,500.00
34	Add new receiver radio to Existing Tank SCADA panel and Design new SCADA panel with radio and Install with level measurement probes on New Tanks (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$37,117.50	\$37,117.50
35	Tie Existing Fill Line into Existing Supply Line at Existing Tank Site with an 8x8x8-inch Wye (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$3,232.00	\$3,232.00
36	Remove Existing Tee and Install 8-inch Solid Sleeve at Existing Tank Site (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$303.00	\$303.00
37	Furnish and Install 840,000 Gallon Steel Storage Tank (incl. site earthwork, subgrade preparation, foundation, pond, painting, disinfection, target, access ladder, yard piping, valves, waterline connections and all related appurtenances), CIP	LS	2	\$481,000.00	\$962,000.00

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
38	Remove, Deliver to Client, and Replace Existing Anthem Booster Station (including removal of existing pump skid, installation of new skid system and control panel with four 243 gpm pumps, new motors, plumbing, ductile iron pipe, ductile iron bends, ductile iron reducers, electrical connections, mounting hardware, and all related appurtenances), CIP	LS	1	\$123,850.00	\$123,850.00
39	Furnish and Install Chain Link Fence (incl. vehicle gate and all related appurtenances), CIP	LF	870	\$18.40	\$16,008.00
40	Furnish and Install Gravel Roadway with 6-inch Base Course and 12-inch Subgrade Prep, 12-foot Width and Turnaround (incl. all related appurtenances not included on Bid Form), CIP	SY	548	\$8.59	\$4,707.32
41	Furnish and Install Slope Erosion Control with 6-Base Course (incl. all related appurtenances not included on Bid Form), CIP	SY	107	\$8.59	\$919.13
42	Furnish and Install Riprap at the Tanks Site (incl. all related appurtenances not included on Bid Form), CIP	CY	119	\$65.90	\$7,842.10
43	Remove and Replace Landscaping Gravel, Remove Tagged Vegetation and Return to the Home Owners Association, and Return Existing Drip Line to its Original Location along Anthem Road between Stations 0+00 and 11+25, (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$5,050.00	\$5,050.00
44	Remove and Replace Existing Fence at the Well 15 Site (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$505.00	\$505.00
45	Geotechnical Report for New Tanks Site	EA	1	\$4,040.00	\$4,040.00
46	Replace breaker in Anthem Booster Station Electrical Panel "H" (incl. replacement of oversized fuses, reconnection of power to new control panel, and all related appurtenances not included separately on Bid Form), CIP	LS	1	\$2,222.00	\$2,222.00
47	Add new Input/Outputs to Existing Anthem Booster Station SCADA RTU Unit (incl. all related appurtenances not included separately on Bid Form), CIP	LS	1	\$14,645.00	\$14,645.00

EJCDC® C-410, Bid Form for Construction Contracts.

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
48	Over excavate three feet of existing soil for Tank No. 1 footings and replace with engineered fill as directed by the completed geotechnical report (incl. removing native material, processing and compaction of engineered fill, and all related appurtenances not included on Bid Form), CIP	CY	96	\$65.65	\$6,302.40
49	Over excavate three feet of existing soil for Tank No. 2 footings and replace with engineered fill as directed by the completed geotechnical report (incl. removing native material, processing and compaction of engineered fill, and all related appurtenances not included on Bid Form), CIP	CY	96	\$65.65	\$6,302.40
50	Furnish & Install 10-inch Check Valve w/ Vault (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$7,500.00	\$7,500.00
51	Furnish & Install 12-inch Check Valve w/ Vault (incl. all related appurtenances not included on Bid Form), CIP	EA	1	\$7,900.00	\$7,900.00
52	Furnish & Install 8-inch Mag Flow Meter w/ Vault (incl. 36x36-inch galvanized can with ring and lid, wiring and all related appurtenances not included separately on Bid Form), CIP	EA	1	\$4,040.00	\$4,040.00

**TOTAL OF BASE BID: \$ 1,886,806.27**

**IN WORDS: One million eight hundred eighty six thousand eight hundred six dollars and 27/100**

**DEDUCTION #1**

ITEM NO.	ITEM DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL PRICE
D1-1	Purchase and Deliver 8-inch Pressure Reduction Valves (incl. strainers, associated gate valves, fittings and all related appurtenances not included separately on Bid Form), CIP	LS	6	\$10,352.50	\$62,115.00
D1-2	Purchase and Deliver 4-inch Pressure Reduction Valves (incl. strainers, associated gate valves, fittings and all related appurtenances not included separately on Bid Form), CIP	LS	1	\$4,600.00	\$4,600.00

**TOTAL OF DEDUCTION #1:** \$ 66,715.00

**IN WORDS:** Sixty six thousand seven hundred fifteen dollars and no/100

**DEDUCTION #2**

D2-1	Furnish and Install 840,000 gallon steel storage tank (incl. subgrade preparation, foundation, painting, disinfection, target, access ladder, yard piping, valves, waterline connections and all related appurtenances), CIP	LS	1	\$481,000.00	\$481,000.00
D2-2	Over excavate three feet of existing soil for tank footings and replace with engineered fill as directed by the completed geotechnical report (incl. removing native material, processing and compaction of engineered fill, and all related appurtenances not included on Bid Form), CIP	CY	95	\$52.50	\$4,987.50

**TOTAL OF DEDUCTION #2:** \$ 485,987.50

**IN WORDS:** Four hundred eighty five thousand nine hundred eighty seven dollars and 50/100

**DEDUCTION #3**

D3-1	Demolish and Properly Dispose Existing 367,000 Gallon District 5 Water Tank and Footing upon Completion of Construction of New District 5 Water Tanks (incl. all related appurtenances not included on Bid Form), CIP	LS	1	\$30,500.00	\$30,500.00
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**TOTAL OF DEDUCTION #3: \$ 30,500.00**

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**IN WORDS:** Thirty thousand five hundred dollars and 00/100

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Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

**ARTICLE 6 – TIME OF COMPLETION**

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 7 – ATTACHMENTS TO THIS BID**

- 7.01 The following documents are submitted with and made a condition of this Bid:
  - A. Required Bid security;
  - B. List of Proposed Subcontractors;
  - C. List of Proposed Suppliers;
  - D. List of Proposed Equipment Manufacturers;
  - E. Required Bidder Qualification Statement with supporting data;
  - F. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids;
  - G. Contractor's License No.: NM 26970, or Evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids;
  - H. Copy of Registration with the Labor Relations Division, New Mexico Department of Workforce Solutions, Public Works Bureau; and
  - I. Campaign Contribution Disclosure Form.
  - J. United States Environmental Protection Agency (EPA) (Pink Sheets)

1. XP-211 Certification Regarding Contract under Equal Opportunity Clause & Non-Segregated Facilities
2. XP-215 MBW/WBE/SBRA Utilization Form along with proof of solicitation (i.e. newspaper advertisement, letters of solicitation)
3. XP-315 Davis Bacon Certification
4. 5700-49 Certification Regarding Debarment, Suspension & Other Responsibility Matters
5. 6100-3 DBE Subcontractor Performance Form
6. 6100-4 DBE Subcontractor Utilization Form

**ARTICLE 8 – DEFINED TERMS**

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

**ARTICLE 9 – BID SUBMITTAL**

BIDDER: *[Indicate correct name of bidding entity]*

General Hydronics Inc.

By:

*[Signature]*

*David Caraway*

*[Printed name]*

David Caraway

*(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)*

Attest:

*[Signature]*

*Kathi Caraway*

*[Printed name]*

Kathi Caraway

Title:

Treasurer

Submittal Date:

05/10/2016

Address for giving notices:

1001 Zuni Dr., Ste C, Alamogordo NM 88310



Telephone Number: 575.437.6512

Fax Number: 575.434.6721

Contact Name and e-mail address: David Caraway  
gh@generalhydronics.com

New Mexico Contractor License No. NM 26970

New Mexico Department of Workforce Solutions Registration No. 0994320090626

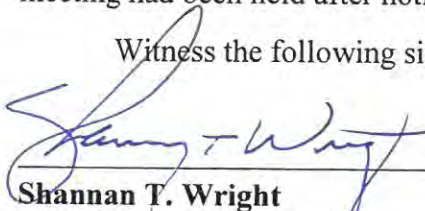
**MINUTES OF THE ANNUAL MEETING  
OF THE BOARD OF DIRECTORS**

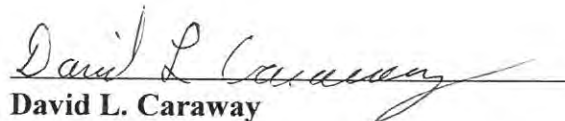
The annual meeting of the Board of Directors of **GENERAL HYDRONICS, INC.**, a New Mexico Corporation, was held in Alamogordo, New Mexico, on the 31<sup>st</sup> of December, 2015, at 10:30 o'clock a.m. pursuant to the following Waiver of Notice:

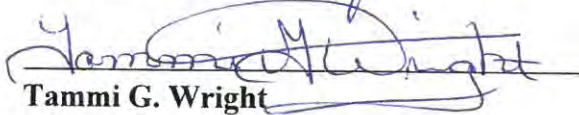
Waiver of Notice of the annual meeting of the Board of Directors of **GENERAL HYDRONICS, INC.**:

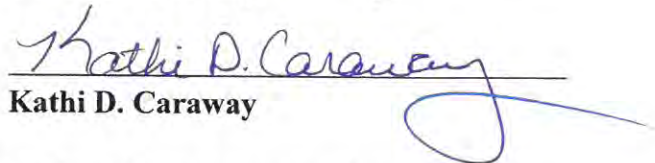
We the undersigned, do hereby waive notice of this meeting, and we hereby assent and agree to the holding of the annual meeting of the Board of Directors of this Corporation, at Alamogordo, New Mexico, on the 31<sup>st</sup> of December, 2015, at 10:30 o'clock a.m. for the purpose of electing the officers of this Corporation, and we further agree that this business transacted at such meeting shall be valid and legal and of the same force and effect as though the annual meeting had been held after notice duly given.

Witness the following signatures:

  
\_\_\_\_\_  
**Shannan T. Wright**

  
\_\_\_\_\_  
**David L. Caraway**

  
\_\_\_\_\_  
**Tammi G. Wright**

  
\_\_\_\_\_  
**Kathi D. Caraway**

The following persons were then nominated for the office set opposite their names:

President	<b>Shannan T. Wright</b>
Vice President	<b>David L. Caraway</b>
Secretary	<b>Tammi G. Wright</b>
Treasurer	<b>Kathi D. Caraway</b>

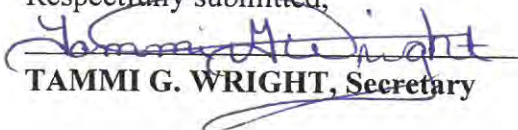
Upon motion duly made and seconded, they were unanimously elected to fill these offices for the ensuing year and until their successors were elected and qualified.

Thereupon, the Board of Directors discussed and reviewed the corporate activities since the prior meeting, and ratified and approved the prior actions taken by the Corporation since the last meeting.

A motion was made and carried, **SHANNAN T. WRIGHT**, President of the Corporation, **DAVID L. CARAWAY**, Vice-President of the Corporation, **TAMMI G. WRIGHT**, Secretary of the Corporation and **KATHI D. CARAWAY**, Treasurer of the Corporation are authorized to sign any and all contracts and all other legal documents either jointly or severally on behalf of the Corporation.

There being no further business, upon motion duly made and seconded, the meeting adjourned.

Respectfully submitted,

  
\_\_\_\_\_  
**TAMMI G. WRIGHT, Secretary**

**APPROVED:**

  
\_\_\_\_\_  
**SHANNAN T. WRIGHT**

### BID BOND

Any singular reference to Bidder, Surety, Owner or other party shall be considered plural where applicable.

**BIDDER (Name and Address):** General Hydronics, Inc.  
1001 Zuni Dr., Ste C  
Alamogordo NM 88310

**SURETY (Name, and Address of Principal Place of Business):** United Fire & Casualty Company  
PO Box 73909, 118 Second Ave. SE  
Cedar Rapids, Iowa 52407-3909

**OWNER (Name and Address):** Doña Ana MDWCA  
5535 Ledesma Drive  
Doña Ana, New Mexico 88007

**BID**

**Bid Due Date:** April 26, 2016

**Description (Project Name— Include Location):** District 5 Water System Improvements Project, Engineer's  
Project No. 6322636, Dona Ana County, New Mexico

**BOND**

**Bond Number:**

**Date:**

**Penal sum** Five Percent of Amount Bid \$ (5%)  
(Words) (Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

**BIDDER** General Hydronics, Inc. (Seal) **SURETY** United Fire & Casualty Company (Seal)  
Bidder's Name and Corporate Seal Surety's Name and Corporate Seal

By: David Caraway  
Signature

David Caraway  
Print Name

VP  
Title

Attest: D. Diane Page  
Signature

Title

By: William W. Burke  
Signature (Attach Power of Attorney)

William W. Burke  
Print Name

Attorney-In-Fact  
Title

Attest: Valerie D. Munn  
Signature

Title: Witness

*Note: Addresses are to be used for giving any required notice.  
Provide execution by any additional parties, such as joint venturers, if necessary.*

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.
2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
3. This obligation shall be null and void if:
  - 3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
  - 3.2 All Bids are rejected by Owner, or
  - 3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.
11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.



**UNITED FIRE & CASUALTY COMPANY, CEDAR RAPIDS, IA  
 UNITED FIRE & INDEMNITY COMPANY, WEBSTER, TX  
 FINANCIAL PACIFIC INSURANCE COMPANY, ROCKLIN, CA  
 CERTIFIED COPY OF POWER OF ATTORNEY**

(original on file at Home Office of Company – See Certification)

**Bond No.:** 00015236

**Obligee:** DONA ANA COUNTY MDWCA 5535 LEDESMA DRIVE  
 LAS CRUCES, NM 88007

KNOW ALL PERSONS BY THESE PRESENTS, That UNITED FIRE & CASUALTY COMPANY, a corporation duly organized and existing under the laws of the State of Iowa; UNITED FIRE & INDEMNITY COMPANY, a corporation duly organized and existing under the laws of the State of Texas; and FINANCIAL PACIFIC INSURANCE COMPANY, a corporation duly organized and existing under the laws of the State of California (herein collectively called the Companies), and having their corporate headquarters in Cedar Rapids, State of Iowa, does make, constitute and appoint WILLIAM W. BURKE, OR SHAWN GUSTAFSON, OR STACEY BOSWELL, OR CARLOS AGUIRRE, ALL INDIVIDUALLY

of 1691 HICKORY LOOP SUITE B LAS CRUCES, NM 88005  
 their true and lawful Attorney(s)-in-Fact with power and authority hereby conferred to sign, seal and execute in its behalf all lawful bonds, undertakings and other obligatory instruments of similar nature provided that no single obligation shall exceed \$100,000,000.00 and to bind the Companies thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of the Companies and all of the acts of said Attorney, pursuant to the authority hereby given and hereby ratified and confirmed. The Authority hereby granted shall expire August 25th, 2016 unless sooner revoked by UNITED FIRE & CASUALTY COMPANY, UNITED FIRE & INDEMNITY COMPANY, and FINANCIAL PACIFIC INSURANCE COMPANY.

This Power of Attorney is made and executed pursuant to and by authority of the following bylaw duly adopted on May 15, 2013, by the Boards of Directors of UNITED FIRE & CASUALTY COMPANY, UNITED FIRE & INDEMNITY COMPANY, and FINANCIAL PACIFIC INSURANCE COMPANY.

**“Article VI – Surety Bonds and Undertakings”**

Section 2. Appointment of Attorney-in-Fact. “The President or any Vice President, or any other officer of the Companies may, from time to time, appoint by written certificates attorneys-in-fact to act in behalf of the Companies in the execution of policies of insurance, bonds, undertakings and other obligatory instruments of like nature. The signature of any officer authorized hereby, and the Corporate seal, may be affixed by facsimile to any power of attorney or special power of attorney or certification of either authorized hereby; such signature and seal, when so used, being adopted by the Companies as the original signature of such officer and the original seal of the Companies, to be valid and binding upon the Companies with the same force and effect as though manually affixed. Such attorneys-in-fact, subject to the limitations set forth in their respective certificates of authority shall have full power to bind the Companies by their signature and execution of any such instruments and to attach the seal of the Companies thereto. The President or any Vice President, the Board of Directors or any other officer of the Companies may at any time revoke all power and authority previously given to any attorney-in-fact.

IN WITNESS WHEREOF, the COMPANIES have each caused these presents to be signed by its vice president and its corporate seal to be hereto affixed this 13th day of April, 2016



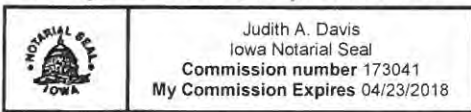
UNITED FIRE & CASUALTY COMPANY  
 UNITED FIRE & INDEMNITY COMPANY  
 FINANCIAL PACIFIC INSURANCE COMPANY

By: *Dennis J. Richman* Vice President

State of Iowa, County of Linn, ss:

On this 13th day of April, 2016 before me personally came Dennis J. Richmann

to me known, who being by me duly sworn, did depose and say: that he resides in Cedar Rapids, State of Iowa; that he is a Vice President of UNITED FIRE & CASUALTY COMPANY, a Vice President of UNITED FIRE & INDEMNITY COMPANY, and a Vice President of FINANCIAL PACIFIC INSURANCE COMPANY the corporations described in and which executed the above instrument; that he knows the seal of said corporations; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporations and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporations.



*Judith A. Davis* Notary Public  
 My commission expires: 04/23/2018

I, David A. Lange, Secretary of UNITED FIRE & CASUALTY COMPANY and Assistant Secretary of UNITED FIRE & INDEMNITY COMPANY, and Assistant Secretary of FINANCIAL PACIFIC INSURANCE COMPANY, do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the bylaws and resolutions of said Corporations as set forth in said Power of Attorney, with the ORIGINALS ON FILE IN THE HOME OFFICE OF SAID CORPORATIONS, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

In testimony whereof I have hereunto subscribed my name and affixed the corporate seal of the said Corporations. this 26th day of April, 2016



By: *David A. Lange*  
 Secretary, UF&C  
 Assistant Secretary, UF&I/FPIC

**AGENT'S AFFIDAVIT**

Supplements to Bid Forms  
Section 00422

This Form must be used by Surety

STATE OF New Mexico)

) ss.

COUNTY OF Doña Ana)

William W. Burke being first duly sworn deposes and says:

That he/she is the duly appointed agent for United Fire & Casualty Company  
PO Box 73909, 118 Second Ave. SE  
Cedar Rapids, Iowa 52407-3909

and licensed or authorized to do business in the State of New Mexico.

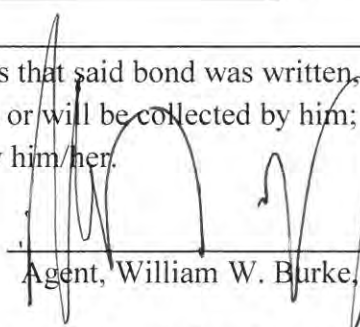
Deponent further states that a certain bond given to indemnify the Owner in connection with the construction of District 5 Water System Improvements Project,

Engineer's Project No. 6322636, Dona Ana County, New Mexico

dated the 26<sup>th</sup> day of April, 2016 executed by:

General Hydronics, Inc. contractor, as principal and  
United Fire & Casualty Company as Surety,

signed by this deponent; and deponent further states that said bond was written, signed, and delivered by him/her; that the premium on the same has been or will be collected by him; and that the full commission thereon has been or will be retained by him/her.

  
\_\_\_\_\_  
Agent, William W. Burke, Attorney-In-Fact

Subscribed and sworn to before me this 26<sup>th</sup> day of April, 2016.

  
\_\_\_\_\_  
Notary Public

My commission expires: September 9, 2018

Agent's Address: Burke Insurance Group, LLC  
1691 Hickory Loop, Suite B  
Las Cruces, New Mexico 88005  
Telephone Number (575) 524-2222

●Power of Attorney for person signing for Surety Company must be attached to bond ●

# LIST OF PROPOSED SUPPLIERS

D & R Tank

HD Supply

Cemex

James, Cooke and Hobson

L and E Electric

Leco

Western PreCast

## LIST OF PROPOSED SUBCONTRACTORS

The following listing must be completed and signed by the Bidder and submitted with the Bid Proposal. Bids submitted without this completed and signed listing or with more than one listed for each item may be considered non-responsive. The subcontractor listing threshold shall be as indicated in the Instructions to Bidders. If none of the work will be subcontracted, Bidder shall write "NONE", sign the sheet, and include with Bid to avoid being found non-responsive.

The General Contractor will determine categories of work that will be performed by the General Contractor, Subcontractors, and Tiers of Subcontractors. The following will be employed to perform the designated categories of work under this Contract.

Prior to award of the contract to the lowest qualified Bidder, the Contractor may be required to supply additional information regarding the Subcontractors listed below, as called for in the Instructions to Bidders, Bidder's Qualifications Statement, and in the technical specifications.

Contractor shall not substitute any person as Subcontractor in place of those identified on this form without prior approval from Owner. (§ 13-4-36)

**Important Note Related to Public Works Projects:** Contractor and all tiers of Subcontractors must be in compliance with the New Mexico Public Works Minimum Wage Act. Any Subcontractor whose work is valued at greater than \$60,000 must be registered with the Labor Relations Division, New Mexico Department of Workforce Solutions, Public Works Bureau at the time of Bid [13-4-13.1 NMSA 1978], and their registration number included below. If such registration is not in place and current as of the date of Bid, the Subcontractor will be rejected and the General Contractor will be required to substitute another Subcontractor acceptable to the Owner without any increase in Bid price.

* Category of Work	Firm Name and Business Address, Phone # and License Number of Subcontractors	** Range	NM Department of Workforce Solutions Registration No. (if applicable)
Tank Install	D & R Tank	C	0034920050527
	1210 Prosperity SE		
	Albuquerque NM 87105		
	505.873.1101 NM 026784		
Electrical	LE Electric Inc	C	002416720120323
	4458 Gerald Dr		
	Las Cruces NM 88005		
	575.526.8483 NM 27220		
Dirtwork	Preslar's Dirtwork, LLC	B	
	78 Hwy 82		
	Alamogordo NM 88310		
	575.434.2421 NM 94107		



**List of Proposed Subcontractors - Continued**

* Category of Work	Firm Name and Business Address, Phone # and License Number of Subcontractors	** Range	NM Department of Workforce Solutions Registration No. (if applicable)
Traffic Control	R2 Contractors Specialty, Inc	A	
	PO Box 10615		
	Las Cruces NM 88004		
	575.523.4052 NM 53622		
SWPPP	Caldon Seeding & Reclamation	A	
	Route 1, Box 84		
	San Acacio CO 81151		
	505.850.8412 NM 20091511770		
Fence	Sunny Fence Company (MN LLC)	A	
	2709 Broadway S.E.		
	Albuquerque NM 87102		
	505.842.1302 NM 83432		
Geotechnical Reports	Terracon Consultants Inc	A	
	1640 Hickory Loop, Ste 105		
	Las Cruces NM 88005		
	575.527.1700 NM 02410704002		

Use additional sheets if necessary.

Attest: David Caraway  
Authorized Officer

05/09/2016  
Date

David Caraway / Vice-President  
Name and Title

General Hydronics Inc.  
Name of Firm

\* Place title of subcontractor specialty.

\*\* Subcontractor's contract range: In the column marked "Range", enter the letter corresponding to the subcontract amount.

A = Equal to or greater than \$5,000 but less than \$15,000

B = Equal to or greater than \$15,000 but less than \$50,000

C = Equal to or greater than \$50,000



D & R TANK CO.

JUL 02 2014

RECEIVED

## Certificate of Public Works Registration

D & R Tank Co.

1210 Prosperity Ave.

Albuquerque, NM 87105

Registration Date: 6/26/2014

Expiration Date: 7/24/2016

Registration Number: 0034920050527

**This certifies that the above company may participate in Public Works Projects.**

**The company has provided payment into the Labor Enforcement Fund and is in good standing.**

# Contractor Registration Search

## Search for Registered Contractors

Select the Search button below to complete a search of Contractor Registrations. To refine your search, enter your desired search criteria using any of the fields below and then selecting the Search button. Selecting the Reset button will clear all search field criteria entries.

Enter Information

FEIN:

Registration Number:

Contractor Name:    
Contains

DBA Name:    
Contains

## Search Results

Registration Number	Contractor Name	DBA Name	Phone Number	Address Line1	Registration Date	Expiration Date	Registration Status	Modified On
002416720120323	L-E Electric Inc		5755268483	4558 Gerald Dr	03/08/2016	03/23/2018	Active	03/08/2016

Last Updated: 4/28/2016 7:58:21 PM | [Accessibility](#) | [Privacy Statement](#) | [Viewing Tips](#)

## LIST OF PROPOSED EQUIPMENT MANUFACTURERS

The following listing of material and/or equipment manufacturers must be completed and signed by the Contractor and submitted with the Bid Proposal. Bids submitted without this completed and signed listing or with more than one manufacturer listed for each item may be considered non-responsive.

MATERIAL/EQUIPMENT	MANUFACTURER
New 900,000-Gallon Water Storage Tanks, Spec Section 33 16 19	D & R Tank
Pressure Reducing Valves, Spec Section 33 12 16	Cla Val Co
Gate Valves, Spec Section 33 12 16	Mueller
Waterline, Spec Section 33 11 00	J M Eagle
Pre Manufactured Booster Pump, Spec Section 22 11 35	Canariis Packaged Booster Skid

Bidder's Name: General Hydronics Inc

By (Signature): *David Caraway*

Print or Type Name and Title: David Caraway / Vice President

## BIDDER'S QUALIFICATIONS STATEMENT

***Important Note:***

***Completion of this statement is required of all Bidders and must be submitted together with the Bid, as stipulated in the Instructions to Bidders.***

PROJECT TITLE: Doña Ana MDWCA District 5 Water System Improvements Project

SUBMITTED BY: General Hydronics Inc  
(Print or Type Name of Bidder)

ADDRESS: 1001 Zuni Dr., Ste C  
Alamogordo NM 88310

The undersigned certifies the truth and correctness of all statements and of all answers to questions made hereinafter. Use additional sheets for any responses, as necessary.

1. How many years has your organization been in business as a utilities contractor? 35 +

2. How many years has your organization been in business under its present name? 35 +

3. If a corporation, answer the following:

a. Date of Incorporation: 1986

b. State of Incorporation: New Mexico

c. President's Name: Shannan T Wright

d. Vice President's Name: David Caraway

c. Secretary or Clerk's Name: Tammi Wright

d. Treasurer's Name: Kathi Caraway

4. If individual or partnership, answer the following:

a. Date of Organization: N/A

b. Name and Address of all Partners:  
(State if general or limited partnership)

N/A

5. If other than corporation or partnership, describe organization and name principals. N/A

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6. Do you plan to subcontract any part of this Project. Yes if so, briefly describe below and identify subcontractors on the List of Proposed Subcontractors form included in these Contract Documents, that meet the listing threshold. \_\_\_\_\_

We will be subcontracting the Fencing, Electrical, Tank Builder, Dirt Work, Traffic Control and SWPPP.

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7. Has any construction contract to which you have been a party been terminated by the owner; have you ever terminated work on a project prior to its completion for any reason; has any surety which issued a performance bond on your behalf ever completed the work in its own name or financed such completion on your behalf; has any surety expended any monies in connection with the contract for which they furnished a bond on your behalf; have you been late in completing a project during the last five years resulting in the assessment of liquidated damages? If the answer to any portion of this question is "yes", please furnish details of all such occurrences including name of owner, architect or engineer, and surety, and name and date of project. No, we haven't to any of the above questions.

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8. Has any officer or partner of your organization ever been an officer or partner of another organization that had any construction contract terminated by the owner; terminated work on a project prior to its completion for any reason; had any surety which issued a performance bond complete the work in its own name or financed such completion; or had any surety expend any monies in connection with a contract for which they furnished a bond? If the answer to any portion of this question is "yes", please furnish details of all such occurrences, including name of owner, architect or engineer, and surety, and name and date of project.

NO

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9. List name of project, owner, architect or engineer, contract amount, percent complete and scheduled completion of the major construction projects your organization has in progress on this date. Include name, address and telephone number of a reference for each project listed. \_

\*\*Replace Hydrant Fuels, HAFB, Corp of Eng., \$430,495.88, 24%, 12/2016

Nova Grp, Teri Miller, 707.265.1146, 185 Devlin Rd., Napa, CA 94558

\*\*Mesc Mud Canyon, Mesc. Indian Health Serv., Bohannon Houston, \$4,204,776.41, 90%, 06/2016

Mescalero Indian Health Serv, Rhoda Winder, 505.974.1094, PO Box 227, Mescalero NM 88340

\*\*HAFB Medical Clinic, HAFB, SS & A, \$2,717,014.47, 35%, 04/2017

Gardner Zemke, Lynn Aragon, 505.881.0555, 6821 Academy Parkway, Albuquerque NM 87109

\*\*MACC-QF-16 Parking Ramp, HAFB, Ideals, \$622,628.80, 90%, 06/2016

Mesa Verde, Bobbi Guthrie, 575.437.2995, PO Box 907, Alamogordo NM 88310

\*\*Bldg 29, HAFB, RBM Archi., \$1,257,975.81, 55%, 09/2016

Barlovento, Rudy Wood, 575.442.0837, 431 Technology Dr., Dothan AL 36303

\*\*HAFB Medical Clinic Replacement, HAFB, SS & A, \$482,856.57, 91%, 04/2017

Gilbane, Kelly-Rae Robinson, 210.536.6788, 13750 San Pedro, San Antonio TX 78232

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10. List name of project, owner, architect or engineer, contract amount, date of completion and percent of work with own forces of the major projects of the same general nature as this project which your organization has completed in the past five years. Include name, address and telephone number of a reference for each project listed. \_\_\_\_\_

\*\*Street Maintenance FY2014, City of Alamogordo, \$1,621,823.00, 04/16, 80%

COA, Bob Johnson, 2600 N. Florida, Alamogordo, NM 88310, 575.439.4220

\*\*Well Transmission Ph III Snake Tank, City of Alamogordo, \$1,224,000.00, 11/15, 80%

COA, Bob Johnson, 2600 N. Florida, Alamogordo, NM 88310, 575.439.4220

\*\*La Luz Well # 2R, City of Alamogordo, \$403,106.00, 05/14, 85%

COA, Bob Johnson, 2600 N. Florida, Alamogordo, NM 88310, 575.439.4220

\*\*Mescalero Summit Fence Canyon, IHS, \$389,933.00, 02/14, 80%

Indian Health Services, Jenny Scoggins, 1301 Young St, Ste 1071, Dallas TX, 214.789.8164

\*\*Repair Water Pipe Eagle Tower, DWG & Assoc., \$1,658,204.00, 03/14, 75%

DWG, Brian Turnbull, 814 Tenth St., Alamogordo, NM 88310, 575.446.4580

\*\*Prather Waterline, URS Corp., \$1,285,175.00, 04/11, 75%

URS, Bob Anderson, PO Box R, HAFB, NM 88330, 512.419.6275

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11. List name and construction experience of the principal individual of your organization. \_\_\_\_\_

David Caraway - Vice-President of General Hydronics Inc., Vice-President of Polson & Grady

35 yrs experience w/General Hydronics Inc., 38 yrs experience total in construction,

16 yrs as owner/Vice-President of General Hydronics., Daily supervises 75 - 100 employees

on numerous projects, Extensive experience installing underground utilities on all types

of Government, commercial, & private projects, water line repair & installation, earthwork,

aggregate, heavy equipment operator, install water mains, fire hydrants, service lines,

storm drains, sewer & gas mains.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



12. List the states and categories of construction in which your organization is legally qualified to do business. Include all license classifications your organization possesses in the State of New Mexico, as stipulated in the New Mexico Administrative Code (NMAC), Title 14, Chapter 6, Part 6.

New Mexico, Utility, Concrete, Plumbing  
NM 26970  
GA01, GA02, GA03, GF04, GF09, MM98, LP05, LP06, GB98, JPG, MHDMM98,

13. List name, address, and telephone number of an individual who represents each of the following and who may be contacted for a financial reference.

a. A surety: United Fire & Casualty, Bureke Ins. Grp., Will Burke, 888-546-8000  
1691 Hickory Loop, Ste B  
Las Cruces NM 88005

b. A bank: First National Bank, Steve Muell, 575.443.5278  
414 10th St.  
Alamogordo NM 88310

c. A major material supplier: Morrison Supply, Rick McCracken, 575.437.5620  
406 Fairgrounds Rd  
Alamogordo NM 88310

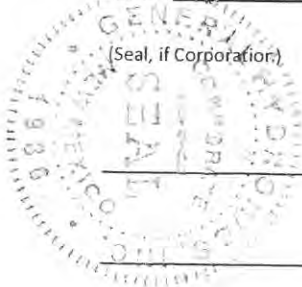
14. The Owner may require the low Bidder to submit a financial statement, prepared on an accrual basis in a form that clearly indicates Bidder's assets, liabilities and net worth, prior to issuance of the Notice of Award.

Dated this 9th day of May 2016

Bidder: General Hydronics Inc. David Caraway  
(Print or Type Name of Bidder)

By: David Caraway

Title: Vice-President



(Seal, if Corporation)

## RESUME

David Caraway  
Owner/Vice-President – General Hydronics Inc  
Utility/Concrete Division  
VP – Polson & Grady LTD  
Supervisor/Project Manager

### EDUCATION

Alamogordo High School Graduate

### YEARS OF EXPERIENCE

34 years experience with General Hydronics Inc.(1981)

A total of 37 years experience in construction/equipment operation.

15 years of experience as Owner/Vice-President and utility supervisor/construction management,  
Daily supervising 75 – 100 employees on numerous projects.

### DUTIES & RESPONSIBILITIES

Extensive experience supervising & installing underground utilities on all types of government, commercial and private projects, Water line repair & installation, Experience earthwork, aggregate, paving and building pads, heavy equipment operator, including loaders, backhoes, excavators, truck driver, Installing water main, fire hydrants, service lines, storm drains, sewer and gas mains.

### RELATED EXPERIENCE

GA02, GA03,

GB98, GF04, GF09, MM98

LP05, LP06,

### PROJECT EXPERIENCE

2015 –Mescalero Mud Canyon Sewer Main Extension, Mescalero NM

2015 – City of Alamogordo Well Transmission – Alamogordo NM

2015 – City of Alamogordo Street Maintenance – Alamogordo NM

2014 – Desert Star Elementary – Alamogordo NM

2014 – Tularosa Intermediate School – Tularosa NM

2014 – Soaring Heights On-Call – Holloman AFB NM

2013 – HAFB FY12 Child Development Center – Holloman AFB NM

2013 – NMDOT – Tularosa NM

2013 – City of Alamogordo Well Transmission – Alamogordo NM

2013 – Mescalero Summit Fence Canyon Water – Mescalero NM

## 1 STATEMENT OF BIDDER'S QUALIFICATIONS

### (TO BE SUBMITTED BY THE BIDDER AND INCLUDED WITH BID)

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary, questions may be answered on separate attached sheets. The Bidder may submit additional information.

1. Name of Bidder, current City of Alamogordo Business Registration Number and N.M. Contractor's License Number.  
**General Hydronics, Inc., Bus. Reg #1239, Cont. Lic NM 26970**
2. Permanent main office address.  
**1001 Zuni Drive, Ste C / Alamogordo, NM 88310**
3. When organized?  
**1986**
4. If a corporation, where incorporated?  
**New Mexico**
5. How many years have you been engaged in the contracting business under your present firm or trade name?  
**35 + Years**
6. Contracts on hand. (Schedule these showing amount of each contract and the approximate anticipated dates of completion.)  
**See Attachment**
7. General character of work performed by your company.  
**Plumbing, Utility & Concrete Work**
8. Have you ever failed to complete any work awarded to you? If so, where and why?  
**No**
9. Have you ever defaulted on a contract? If so, where and why?  
**No**
10. List the more important projects recently completed by your company, stating the approximate cost for each and the month and year completed.  
**See Attachment**
11. List your major equipment available for this contract.  
**See Attachment**
12. Experience in construction work similar in importance to this project.  
**See Attachment**
13. Background and experience of the principal members of your organization, including the officers.  
**Shannan T. Wright, 35 + years - David L. Caraway, 35 + years**
14. Credit available: \$ **As Needed**
15. Give bank reference:  
**1<sup>st</sup> National Bank 408 10<sup>th</sup> Street Alamogordo, NM 88310**

16. Will you, upon request, fill out a detailed financial statement and furnish any other information that may be required by the OWNER?

**Yes**

17. Included verification of Department of Labor registration.

18. The undersigned hereby authorizes any person, firm, or corporation to furnish any information requested by the OWNER in verification of the recitals comprising this statement of Bidder's Qualifications.

This 14<sup>th</sup> day of April, 2016, dated at Alamogordo, Otero County.

General Hydronics, Inc.

Name of Bidder

By: *David Caraway*

Title: Vice-President

State of New Mexico )  
 ) ss.  
County of Otero )

David Caraway, the Vice-President of General Hydronics, Inc.,  
Name Position Company Name

being duly sworn, deposes and says that the answers to the foregoing questions and all statements therein contained are true and correct.

Subscribed and sworn to before me this 14<sup>th</sup> day of April, 2016.

*D. Diane Lopez*  
Notary Public

My Commission expires 08/18/19



**9. Contracts on Hand:**

<b>CONTRACT</b>	<b>TOTAL</b>
Mescalero Mud Canyon	\$3,094,391.00
Desert Star Elementary	\$1,850,670.00
NMSVBI Site Improvements	\$545,275.00
MQ – 9 Maintenance	\$570,000.00
Bldg 301, Maintenance Apron	\$277,252.00

**10. Projects Recently Completed:**

<b>CONTRACT</b>	<b>TOTAL</b>
Well Transmission Ph III	\$695,000.00
NMDOT CN2100371	\$460,000.00
Upgrade/Rep Control Tower Life	\$445,000.00
La Luz Well	\$403,106.00
Mescalero Summit Fence Canyon	\$385,000.00
HAFB CDC FY12	\$214,000.00

**11. Major Equipment Available:**

- 6 - Backhoes
  - 5- Loaders
  - 1 - Air Compressor
  - 8 - Misc. Rammers
  - 5 - Roller Compactors
  - 3 - Excavators
  - 5 - Water Trucks
  - 1 - 20yd Semi & End Dump
  - 2 - 12 yd Tandem Dump Trucks
- Whatever equipment we need we will lease to complete the job.

**12. Similar Construction Work:**

- Various Subdivisions around town
- Callahan Water Tank Piping
- Tularosa School Renovations
- MountainAir High School
- Cloudcroft High School, Ph I
- Wal-Mart SuperCenter @
- Alamogordo/Roswell/Silver City/Hobbs/Ruidoso
- Ocotillo Booster Station
- Well Transmission Ph I, II, III
- FY2010 Street Maintenance
- Mt Orchard MDWUA
- Carrizo Booster Station
- Summit & Harley Booster Station

**STATE OF NEW MEXICO**

TAXATION AND REVENUE DEPARTMENT

**RESIDENT CONTRACTOR CERTIFICATE**

Issued to: **GENERAL HYDRONICS INC**  
DBA: **GENERAL HYDRONICS INC**  
**1001 ZUNI DR STE C**  
**ALAMOGORDO, NM 88310-9044**

Expires: **15-May-2018**

Certificate Number:

**L1448378416**



Demesia Padilla, CPA, Cabinet Secretary

THIS CERTIFICATE IS NOT TRANSFERABLE

Susana Martinez  
Governor

Pat McMurray  
Director

Robert "Mike" Unthank  
Superintendent

**State of New Mexico**  
Regulation and Licensing Department  
**CONSTRUCTION INDUSTRIES DIVISION**

2550 Cerillos Rd.  
Santa Fe, New Mexico 87505

*This is to certify that:* **GENERAL HYDRONICS, INC.**  
**PERMANENT LICENSE #26970**

*Located at:* 1001 ZUNI DR STE C, ALAMOGORDO, NM 88310

*Has complied with all the requirements of the law and is hereby licensed as a contractor, to operate under the classification(s) of:*

**GA01, GA02, GA03, GB98, GF04, GF09, MM98**

*And to permit or contract projects singly in New Mexico of a dollar amount up to:*

**UNLIMITED**

*Given under my signature and the seal of the Construction Industries Division at Santa Fe, New Mexico on*

**05/11/1987**

*David Murray*  
Signature of Contractor

*Pat McMurray*

Pat McMurray  
Director

NOTE: This Certificate is mine and shall remain the property of the CONSTRUCTION INDUSTRIES DIVISION and shall be surrendered at my hour upon demand. This certificate is not transferable.



## Certificate of Public Works Registration

General Hydronics, Inc.

1001 Zuni Dr, Ste C  
Alamogordo, NM 88310

Registration Date: 5/27/2014

Expiration Date: 6/25/2016

Registration Number: 0994320090626

**This certifies that the above company may participate in Public Works Projects.**

**The company has provided payment into the Labor Enforcement Fund and is in good standing.**



**THIS IS TO CERTIFY THAT  
GENERAL HYDRONICS, INC.**

Is licensed / registered by the New Mexico Regulation and Licensing Department  
in accordance with provisions of laws in the State of New Mexico

<small>License / Registration No.</small> C26970	<small>License / Registration Type</small> MHDMM98
<small>Issue Date</small> 01/17/2001	<small>Expiration Date</small> 01/17/2017

The bearer is prohibited by law from using this identification card to give the  
impression that they are in any way connected with a governmental agency

Signature of holder:

**STATE OF NEW MEXICO**

**REGULATION AND LICENSING DEPARTMENT  
CONSTRUCTION INDUSTRIES DIVISION**

**GENERAL HYDRONICS, INC.**  
Licensee Name  
26970  
License #

**STATE OF NEW MEXICO  
REGULATION AND LICENSING DEPARTMENT**

**CLASSIFICATION**  
LP

**LICENSE NUMBER**  
19466

**GENERAL HYDRONICS MECH. CONTRACTORS**

1001 ZUNI DR SUITE C  
ALAMOGORDO, NM 88310

**EXPIRES**  
11/30/2016

**CLASSIFICATION(S)**  
05, 06, 05, 06

**DIRECTOR**

This card is now and shall remain property of Construction Industries  
Division and shall be surrendered at any time upon demand.

**STATE OF NEW MEXICO  
CONSTRUCTION INDUSTRIES DIVISION**

**GENERAL HYDRONICS, INC.**  
LICENSE NUMBER  
26970

**EXPIRES**  
05/31/2017

**Qualifying Party(S)**  
CARAWAY DAVID  
WRIGHT SHANNAN  
WRIGHT DUSTIN  
PEREA ANDREW

**CLASSIFICATION(S)**  
GA01, GA02, GA03, GB98  
GF04, CF05, MM98

**DIRECTOR**

This card is the property of the CID and shall be surrendered upon demand

**STATE OF NEW MEXICO  
REGULATION AND LICENSING DEPARTMENT**

**CLASSIFICATION**  
JPG

**CERTIFICATE NUMBER**  
366542

**SHANNAN T. WRIGHT**

1001 ZUNI DR STE. C  
ALAMOGORDO, NM 88310

**EXPIRES**  
07/31/2016

**DIRECTOR**

This card is now and shall remain property of the Construction Industries  
Division and shall be surrendered at any time upon demand

**STATE OF NEW MEXICO  
CONSTRUCTION INDUSTRIES DIVISION**

**POLSON & GRADY, LTD**  
LICENSE NUMBER  
15370

**EXPIRES**  
08/31/2016

**Qualifying Party(S)**  
WRIGHT SHANNAN T.  
CARAWAY DAVID  
EATOR RODNEY BRIAN

**CLASSIFICATION(S)**  
GA01, GA02, GF03, MM98

**DIRECTOR**

# General Hydronics Inc.

"USA Owned Company"

PLUMBING - UTILITIES - CONCRETE

LICENSE # NM 26970

BUSINESS REG. 01239

NM Dept Workforce Solutions 0994320090626

Shannan T Wright - President

David L Caraway - Vice-President

1001 Zuni Dr., Ste C

Alamogordo NM 88310

Phone - 575.437.6512 Fax - 575.434.6721

[gh@generalhydronics.com](mailto:gh@generalhydronics.com)

## GENERAL INFORMATION:

**Name:** General Hydronics Inc  
**Physical Address:** 1001 Zuni Dr  
Alamogordo, NM 88310

**Phone:** (575) 437-6512 **Fax:** (575) 434-6721  
**Mailing Address:** 1001 Zuni Dr., Ste C  
Alamogordo, NM 88310

**Email:** [gh@generalhydronics.com](mailto:gh@generalhydronics.com)

### Officers:

**President:** Shannan T Wright  
**Vice-President:** David Caraway

### Years with Company

35+  
35+

**D & B #:** 60-437-3159

**D & B Rating:** 1R3

**Cage Code:** ODZS4

**Years Company been in business:** 35 +

**Corporation:** Yes

**Incorporated in the State of:** New Mexico

**Year:** 1986

**FED Tax Payer ID:** 85-0345076

**NM CRS #** 02-056-882-00-7

**Principal Services:** Mechanical Contractor / Plumbing / Utilities / Concrete

**Insurance:** Burke Insurance Group

**(Bonding) Surety Company:** United Fire & Casualty

**Bonding Capacity:** \$25 - 30 Mil

**Contact:** Will Burke (888) 546-8000 ext 14

**Banking Institution:** First National Bank, PO Box 9, Alamogordo NM 88311  
Steve Muell - President (575) 437-4880

## Major Jobs:

<u>Company</u>	<u>Type of Work</u>	<u>Size \$M</u>	<u>Contact</u>	<u>Phone</u>
HAFB B318, UAS, FTU	Plumbing/Utilities	\$1 +	Big D	(480) 699.6995
FY2009 St Maintenance	Utilities	\$3.9 +	City of Alamogordo	(575) 439.4220
Street Maintenance FY2014	Utility	\$1.6 +	City of Alamogordo	(575) 439.4220
Roswell Rehab	Mech	\$1.3 +	Jaynes Corp	(505) 345.8590
Westside Waterline	Utilities	\$1.5 +	City of Alamogordo	(575) 439.4220
Mesc Mud Canyon	Utilities	\$3.1 +	Mesc ISH	(575) 464.4311

No Bankruptcy or Judgments

Workers Compensation Experience Modification Rate (EMR)

2011: 1.04

2012: .93

2013: .85

2014: .72

2015: .71

2016: .96

**General Hydronics Inc**

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**From:** <samadmin@sam.gov>  
**Date:** Wednesday, February 24, 2016 2:49 PM  
**To:** <gh@generalhydronics.com>  
**Cc:** <gh@generalhydronics.com>  
**Subject:** Registration Activated for General Hydronics, Inc. / 604373159 / 0DZS4

This email was sent by an automated administrator. Please do not reply to this message.

Dear Diane Ragen,

Congratulations! The registration for General Hydronics, Inc. / 604373159 / 0DZS4 is now active in the U.S. federal government's System for Award Management (SAM). If you did not provide a CAGE code during the registration process, one has been assigned and is provided above.

You are now eligible for contracts, assistance awards, and to do business with the federal government as determined by your Entity's profile. Important: The Periodic Update Requirement Date for the registration is 23-FEB-17. You must renew the registration by this date to remain active.

In addition, you may continue to invite additional users by following the below steps:

- \* Login to SAM using a valid Username and Password
- \* Select "Manage Entity Users" from the left-hand navigation menu
- \* Select "Invite User" from the left-hand navigation menu
- \* Select the desired Entity
- \* Provide invitee's email address
- \* Assign Role(s) to be associated with the user account
- \* Click Submit

All invitees will receive an email message from SAM with instructions on how to complete the process.

For assistance, please contact the Federal Service Desk at [www.fsd.gov](http://www.fsd.gov) or by telephone at 866-606-8220 (toll free) or at 334-206-7828 (internationally).

Thank you,

The System for Award Management (SAM) Administrator  
\${EMAIL\_URL\_TO\_SAM\_HOMEPAGE}



Via Electronic Mail

April 28, 2016

General Hydronics, Inc.  
1001 Zuni Drive, Suite C  
Alamogordo, NM 88310  
Email: [gh@generallyhydronics.com](mailto:gh@generallyhydronics.com)

RE: Prequalification Packet Approval

Dear Mr. Caraway:

This letter is to inform you that your company's Prequalification Packet has been approved by the New Mexico Department of Transportation (NMDOT). You were approved on 04/28/16 and are now prequalified.

Your prequalified status expires in exactly one year on 04/27/17. Please see the Contractor Prequalification Rule, 18.27.5 NMAC, for further explanation of the expiration and renewal process.

Your renewal packet shall be submitted no later than the close of business seven calendar days before your prequalified status expires. Without timely renewal your prequalified status will automatically terminate.

If you have any questions, concerns or require additional information regarding the prequalification process, please do not hesitate to call me at (505) 476-0901 or Geraldine Aguilar at (505) 476-0917. Thank you.

Sincerely,

A handwritten signature in black ink that reads "Charla Montoya".

Charla Montoya  
Investigations and Special Inquiries Bureau

**Susana Martinez**  
Governor

**Tom Church**  
Cabinet Secretary

**Commissioners**

**Ronald Schmeits**  
Chairman  
District 4

**Dr. Kenneth White**  
Secretary  
District 1

**David Sepich**  
Commissioner  
District 2

**Keith Mortensen**  
Commissioner  
District 3

**Butch Mathews**  
Commissioner  
District 5

**Jackson Gibson**  
Commissioner  
District 6

## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to the Procurement Code, Sections 13-1-28, et seq., NMSA 1978 and NMSA 1978, § 13-1-191.1 (2006), as amended by Laws of 2007, Chapter 234, any prospective contractor seeking to enter into a contract with any state agency or local public body **for professional services, a design and build project delivery system, or the design and installation of measures the primary purpose of which is to conserve natural resources** must file this form with that state agency or local public body. This form must be filed even if the contract qualifies as a small purchase or a sole source contract. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

Furthermore, the state agency or local public body may cancel a solicitation or proposed award for a proposed contract pursuant to Section 13-1-181 NMSA 1978 or a contract that is executed may be ratified or terminated pursuant to Section 13-1-182 NMSA 1978 of the Procurement Code if: 1) a prospective contractor, a family member of the prospective contractor, or a representative of the prospective contractor gives a campaign contribution or other thing of value to an applicable public official or the applicable public official's employees during the pendency of the procurement process or 2) a prospective contractor fails to submit a fully completed disclosure statement pursuant to the law.

The state agency or local public body that procures the services or items of tangible personal property shall indicate on the form the name or names of every applicable public official, if any, for which disclosure is required by a prospective contractor.

**THIS FORM MUST BE INCLUDED IN THE REQUEST FOR PROPOSALS AND MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.**

The following definitions apply:

**“Applicable public official”** means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

**“Campaign Contribution”** means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to statewide or local office. “Campaign Contribution” includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

**“Family member”** means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law of (a) a prospective contractor, if the prospective contractor is a natural person; or (b) an owner of a prospective contractor.

“Pendency of the procurement process” means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

“Prospective contractor” means a person or business that is subject to the competitive sealed proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person or business qualifies for a sole source or a small purchase contract.

“Representative of a prospective contractor” means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

Name(s) of Applicable Public Official(s) if any: NONE  
(Completed by State Agency or Local Public Body)

DISCLOSURE OF CONTRIBUTIONS BY PROSPECTIVE CONTRACTOR:

Contribution Made By: Shannan T Wright and David Caraway

Relation to Prospective Contractor: Co Owners

Date Contribution(s) Made: 02/02/2016

Amount(s) of Contribution(s) \$350.00 each

Nature of Contribution(s) Personal

Purpose of Contribution(s) Campaign Donation

(Attach extra pages if necessary)

David Caraway 05/09/2016  
Signature Date

Vice-President  
Title (position)

--OR--

**NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE** to an applicable public official by me, a family member or representative.

\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Title (Position)

(05-2014)

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6**

**Supplemental Conditions  
For  
Federally Assisted Water, Storm Water and/or Wastewater  
Infrastructures under the  
Special Appropriations Act Project Grants  
Revised May 2014**

REPRODUCTION OF THIS GUIDANCE  
SHOULD BE ON COLORED PAPER,  
PREFERRABLY PINK

## REQUIRED FEDERAL FORMS

Forms that must be submitted within bidder's proposal:

1. XP-211 Certification Regarding Contract under Equal Opportunity Clause & Non-Segregated Facilities
2. XP-215 MBW/WBE/SBRA Utilization Form along with proof of solicitation (i.e. newspaper advertisement, letters of solicitation)
3. XP-315 Davis Bacon Certification
4. 5700-49 Certification Regarding Debarment, Suspension & Other Responsibility Matters
5. 6100-3
6. 6100-4

Form to be provided with every construction pay application:

7. XP-214 Labor Standards Certification

Form to be provided at the end of the project

8. 6100-2



## REFERENCES

- Copeland Anti-Kickback, 29 CFR Part 3  
<http://www.dol.gov/compliance/laws/comp-copeland.htm>
- Suspension and Debarment, Subpart C of 2 CFR 180 and 1532  
[http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&tpl=/ecfrbrowse/Title02/2cfr180\\_main\\_02.tpl](http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&tpl=/ecfrbrowse/Title02/2cfr180_main_02.tpl)  
[http://edocket.access.gpo.gov/cfr\\_2009/janqtr/pdf/2cfr1532.332.pdf](http://edocket.access.gpo.gov/cfr_2009/janqtr/pdf/2cfr1532.332.pdf)
- Disadvantaged Business Enterprise, 40 CFR Part 33  
<http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&rgn=div5&view=text&node=40:1.0.1.2.30&idno=40>
- Equal Employment Opportunity, 41 CFR Part 60  
<http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&rgn=div5&view=text&node=41:1.2.3.1.1&idno=41>
- Labor Standards, 29 CFR Parts 4 & 6  
[http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&tpl=/ecfrbrowse/Title29/29cfr4\\_main\\_02.tpl](http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&tpl=/ecfrbrowse/Title29/29cfr4_main_02.tpl)  
<http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&sid=99c9a20c960f56be66f17ae91b52c888&rgn=div5&view=text&node=29:1.1.1.1.7&idno=29>
- Nondiscrimination, 40 CFR Part 7  
<http://www.epa.gov/ocr/docs/40p0007.pdf>
- OMB Circular A-133  
[http://www.whitehouse.gov/omb/assets/a133\\_compliance/app\\_7.pdf](http://www.whitehouse.gov/omb/assets/a133_compliance/app_7.pdf)
- Reissuance of NPDES General Permits for Storm Water Discharges from Construction Sites in Region 6- Federal Register  
<http://www.epa.gov/region6/6en/w/sw/swcon98.pdf>
- Uniform Administrative Requirements, 40 CFR Part 31  
<http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&rgn=div5&view=text&node=40:1.0.1.2.29&idno=40>

Model Contract Clauses—Attached

NPDES Bypass Policy—Attached

Federal Cross-Cutters—Attached

XP -211

**BIDDER'S CERTIFICATIONS**

Dona Ana MDWCA Dist 5 Water  
Project Name System Improvements Project Number None  
Contract For General Hydronics Inc

**The following certifications must be completed by the bidder for each contract.**

**A. EQUAL EMPLOYMENT OPPORTUNITY:**

- I have developed and have on file at my each establishment affirmative action programs pursuant to 41 CFR Part 60-2.
- I have participated in previous contract(s) or subcontract(s) subject to the equal opportunity clause under **Executive Orders 11246 and 11375**. I have filed all reports due under the requirements contained in 41 CFR 60-1.7.
- I have not participated in previous contract(s) subject to the equal opportunity clause under **Executive Orders 11246 and 11375**.
- I will obtain a similar certification from any proposed subcontractor(s), when appropriate.

**B. NONSEGREGATED FACILITIES**

- I certify that I do not and will not maintain any facilities provided for my employees in a segregated manner, or permit my employees to perform their services at any location under my control where segregated facilities are maintained; and that I will obtain a similar certification prior to the award of any federally assisted subcontract exceeding \$10,000 which is not exempt from the equal opportunity clause as required by 41 CFR 60-1.8.

**I understand that a false statement on this certification may be grounds for rejection of this bid proposal or termination of the contract award.**

David Caraway / Vice-President  
Typed Name & Title of Bidder's Authorized Representative

David Caraway 05/09/2016  
Signature of Bidder's Authorized Representative Date

General Hydronics, Inc., 1001 Zuni Dr., Ste C, Alamogordo NM 88310  
Name & Address of Bidder

**NOTE:** The bidder shall complete the following Minority/Women's/Small Business in Rural Area (MBE/WBE/SBRA) utilization information whenever they solicit sub contract construction work and/or services and purchase of equipment and supplies for the project in order to provide the fair share of the total dollar amount of the contract for

MBE: Construction 41.03 %, Equipment 36.69 %, Supplies 25.51 %, Services 38.78 %  
 WBE: Construction 6.47 %, Equipment 30.65 %, Supplies 35.30 %, Services 40.00 %  
 SBRA: Construction 25%, Equipment 25%, Supplies 25%, Services 25%

1. Do you maintain and update qualified MBE, WBE, and SBRA on your solicitation lists for supplies, equipment, construction and/or service? Yes  No

If yes, when did you update your MBE/WBE/SBRA solicitation lists? 04/20/16

2. Do you maintain a list of minority, women and rural small business-focused publications that may be utilized to solicit MBEs or WBEs or SBRA's?  
 Yes  No

If yes, name the publications: PTAP

3. Do you use the services of outreach programs sponsored by the Minority Business Development Agency and/or the Small Business Administration to recruit bona fide MBE/WBE/SBRA firms for placement on your solicitation lists? Yes  No
4. Do you seek out Minority Business Development Centers to assist you in identifying MBEs/WBEs/SBRAs for potential work opportunities on your proposed bid for this project? Yes  No
5. Do you analyze the bid package or contract documents to identify portions of work that can be divided and performed by qualified MBEs, WBEs, and SBRA's including the bonding range? Yes  No

If yes, please attach a brief description of portions of work you have identified for subcontracting.

6. Do you develop realistic delivery schedules which may provide for greater MBE/WBE/SBRA participation? Yes  No
7. Do you send a letter of solicitation to MBE/WBE/SBRA for this project?  
 Yes  No

If yes, please attach a sample copy of each different solicitation letter and the name and address of each MBE/WBE/SBRA.

8. Do you advertise in general circulation, trade journals, State agency publications of identified MBEs/WBEs/SBRAs, minority or women or rural small business focused media, etc., concerning the subcontracting opportunities on your proposed bid for this project? Yes  No

If yes, please list the name of publication and dates of advertisement and attach a copy of each advertisement from each publication.

9. Do you conduct pre-bid, pre-solicitation, and post award conferences, meetings and follow-ups with interested MBE, WBE, and SBRA? Yes \_\_\_ No x

If yes, please list person who attended conference as representative of MBE/WBE/SBRA

Name & Title of Person: \_\_\_\_\_

Name of MBE/WBE/SBRA: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Date and Place of Conference: \_\_\_\_\_

Name & Title of Person: \_\_\_\_\_

Name of MBE/WBE/SBRA: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Date and Place of Conference: \_\_\_\_\_

Name & Title of Person: \_\_\_\_\_

Name of MBE/WBE/SBRA: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Date and Place of Conference: \_\_\_\_\_

10. Total dollar amount of the contract:

\$ We don't have a total amount of the contract as of yet.

11. Total dollar amount and percentage of MBE/WBE/SBRA participation: We don't have a contract yet.

MBE:	Construction	____%	Equipment	____%	Supplies	____%	Services	____%
	(\$)		(\$)		(\$)		(\$)	
WBE:	Construction	____%	Equipment	____%	Supplies	____%	Services	____%
	(\$)		(\$)		(\$)		(\$)	
SBRA:	Construction	____%	Equipment	____%	Supplies	____%	Services	____%
	(\$)		(\$)		(\$)		(\$)	

12. Name, address, phone number, contact person, type of construction subcontract, and dollar amount of subcontract.

**MBE Subcontractor:**

**WBE Subcontractor:**

**SBRA Subcontractor:**

Address:

Address:

Address:

Phone:

Phone:

Phone:

Contact Person:

Contact Person:

Contact Person:

Type of Work:

Type of Work:

Type of Work:

Amount: \$

---

Amount: \$

Amount: \$

**MBE Subcontractor:**

**WBE Subcontractor:**

**SBRA Subcontractor:**

Address:

Address:

Address:

Phone:

Phone:

Phone:

Contact Person:

Contact Person:

Contact Person:

Type of Work:

Type of Work:

Type of Work:

Amount: \$

---

Amount: \$

Amount: \$

**MBE Subcontractor:**

**WBE Subcontractor:**

**SBRA Subcontractor:**

Address:

Address:

Address:

Phone:

Phone:

Phone:

Contact Person:

Contact Person:

Contact Person:

Type of Work:

Type of Work:

Type of Work:

Amount: \$

---

Amount: \$

Amount: \$

**MBE Subcontractor:**

**WBE Subcontractor:**

**SBRA Subcontractor:**

Address:

Address:

Address:

Phone:

Phone:

Phone:

Contact Person:

Contact Person:

Contact Person:

Type of Work:

Type of Work:

Type of Work:

Amount: \$

Amount: \$

Amount: \$

**MBE Subcontractor:**

**WBE Subcontractor:**

**SBRA Subcontractor:**

Address:

Address:

Address:

Phone:

Phone:

Phone:

Contact Person:

Contact Person:

Contact Person:

Type of Work:

Type of Work:

Type of Work:

Amount: \$

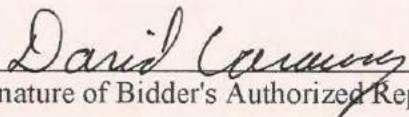
Amount: \$

Amount: \$

**I understand that a false statement on the above information may be grounds for rejection of this bid proposal or termination of the contract award.**

David Caraway / Vice President

Typed Name & Title of Authorized Representative



Signature of Bidder's Authorized Representative

05/09/2016

Date

## Subcontracting Job Opportunity

Dear Business Owner,

General Hydronics, Inc is soliciting bids from qualified MBE, WBE & DBE subcontractors and suppliers for **"Dona Ana MDWCA District 5 Water System Improvements Project"**.

Specific trades and materials include:

- Aggregate materials
- Pipe
- Steel Casing
- Pump Suppliers
- Steel Tank Builders
- Electrical
- Fencing
- SWAPP Subcontractors

Bid Day: **April 26, 2016**. Please furnish all quotes by or prior to Bid Day.

Please provide certifications with your bid.

For more information and drawings on this project please contact General Hydronics, Inc at (575)437-6512 or email at [gh@generalhydronics.com](mailto:gh@generalhydronics.com)

Thank you,  
Elke

Elke Mosholder  
PTAP Procurement Advisor  
Procurement Technical Assistance Program- Alamogordo, NM  
NMSU - Alamogordo  
2400 N. Scenic Drive, SBDC, RM 116  
Alamogordo, NM 88310  
Phone Office: (575) 439-3666  
Phone SBDC: (575) 439-3660  
Fax: (575) 439-3819  
[elke.mosholder@sfcc.edu](mailto:elke.mosholder@sfcc.edu)  
<http://www.nmptap.org>

## **General Hydronics Inc**

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**From:** "Jesus Ramirez JAG" <jesus@elpasojag.com>  
**Date:** Monday, May 09, 2016 12:33 PM  
**To:** <gh@generallyhydronics.com>  
**Cc:** <jag@elpasojag.com>  
**Subject:** Subcontractor Opportunities

Hello, Mr. Caraway

My name is Jesus Ramirez. I am with a company called **JAG Electrical and Communications**.

We are a Woman-Owned Small Business located in El Paso, Texas. We currently serve all of El Paso and surrounding communities.

I am interested on getting on your subcontractor list for **Electrical and Communications Systems**.

Can you please direct me to the right person to communicate with?

Your assistance is greatly appreciated.

Sincerely,

Jesus

**Jesus Ramirez | Marketing | Business Development**  
Electrical | Communications  
230 Chelsea El Paso Texas 79905  
Office : 915.533.8607 Cell: 915.667.2585



Federal HUBZone | 8(a) | WOSB | DBE | MBE | Region 19 Vendor  
[www.elpasojag.com](http://www.elpasojag.com)

This communication is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If you are not the intended recipient of this information, you are notified that any use, dissemination, distribution, or copying of the communication is strictly prohibited.



## General Hydronics Inc

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**From:** "General Hydronics Inc" <gh@generallyhydronics.com>  
**Date:** Wednesday, April 20, 2016 3:28 PM  
**To:** "GH -David Caraway" <david@generallyhydronics.com>; "GH - Eddy Boles" <boles@generallyhydronics.com>; "GH - Chance Black" <chance@generallyhydronics.com>  
**Subject:** Fw: PTAP Alamogordo: Subcontracting opportunity for "Dona Ana MDWCA District 5 Water System Improvements Project"

**From:** [Encon Administrative Assistant](#)

**Sent:** Wednesday, April 20, 2016 2:51 PM

**To:** [gh@generallyhydronics.com](mailto:gh@generallyhydronics.com)

**Subject:** FW: PTAP Alamogordo: Subcontracting opportunity for "Dona Ana MDWCA District 5 Water System Improvements Project"

Good afternoon,

We received the email below and wanted to inquire if the Project will you require construction material testing?

ENCON has been an Environmental Engineering firm based in El Paso, TX since 1989. We offer a variety of environmental and construction material testing services and although we are locally based out of El Paso, we have worked in over 20 states throughout the country. ENCON is certified by Texas HUB and is SDVOSB, SBE and DBE certified as well as registered on SAM (SAME). Our company has been in business for over 27 years, providing our services to Educational Facilities, Municipal Entities and the Military and Federal Government.

Thank you,

Audrey Baray  
 Administrative Assistant



ENCON International, Inc.  
 7307 Remcon Circle, Ste. 103  
 El Paso, TX 79912  
 Ph: (915) 833-3740  
 Fax: (915) 581-2049

□□□The information contained in this correspondence is privileged and confidential. It is intended only to be read by the individual or entity named above or their designee. If the reader of this message is not the intended recipient, you are on notice that any distribution of this message, in any form, is strictly prohibited. If you have received this message in error, please immediately notify ENCON International, Inc. by telephone (915) 833-3740 and destroy any copy of this message.□□□

**From:** ContractOpportunitiesCenter (PTAC) [<mailto:coc@epcc.edu>]

**Sent:** Wednesday, April 20, 2016 10:54 AM

**To:** Undisclosed recipients:

**Subject:** PTAP Alamogordo: Subcontracting opportunity for "Dona Ana MDWCA District 5 Water System Improvements Project"

## General Hydronics Inc

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**From:** "General Hydronics Inc" <gh@generallyhydronics.com>  
**Date:** Wednesday, April 20, 2016 1:12 PM  
**To:** "GH -David Caraway" <david@generallyhydronics.com>; "GH - Eddy Boles" <boles@generallyhydronics.com>; "GH - Chance Black" <chance@generallyhydronics.com>  
**Subject:** Fw: PTAP Alamogordo: Subcontracting opportunity for "Dona Ana MDWCA District 5 Water System Improvements Project"

**From:** [Ron Zaitz](#)  
**Sent:** Wednesday, April 20, 2016 1:03 PM  
**To:** [gh@generallyhydronics.com](mailto:gh@generallyhydronics.com)  
**Cc:** 'Lisa Freitas' ; 'Mario Burgos'  
**Subject:** FW: PTAP Alamogordo: Subcontracting opportunity for "Dona Ana MDWCA District 5 Water System Improvements Project"

Recipient,

I would like to request a full set of contract bid documents for the referenced project. PDF□□□s are our preferred takeoff documents if you have them.

Also, I would like to know if there □□□s an available engineers estimate for the referenced project and what that estimate might be.

Thank you,  
 Ron Zaitz  
 Estimator

Direct 505-585-2687



**From:** "ContractOpportunitiesCenter (PTAC)" <[coc@epcc.edu](mailto:coc@epcc.edu)>  
**Date:** April 20, 2016 at 10:54:03 AM MDT  
**To:** Undisclosed recipients;;  
**Subject:** PTAP Alamogordo: Subcontracting opportunity for "Dona Ana MDWCA District 5 Water System Improvements Project"

**General Hydronics Inc**

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**From:** "General Hydronics Inc" <gh@generalhydronics.com>  
**Date:** Wednesday, April 20, 2016 11:10 AM  
**To:** "GH - Eddy Boles" <boles@generalhydronics.com>; "GH -David Caraway" <david@generalhydronics.com>; "GH - Chance Black" <chance@generalhydronics.com>  
**Subject:** Fw: Dona Ana MDWCA District 5 Water System Improvements Project

fyi

**From:** [Scott Hanson](#)

**Sent:** Wednesday, April 20, 2016 11:04 AM

**To:** [gh@generalhydronics.com](mailto:gh@generalhydronics.com)

**Subject:** Dona Ana MDWCA District 5 Water System Improvements Project

Hello Elke,

Our firm is a WBE. We are a supplier of industrial, safety, and laboratory equipment and supplies. We are also a Federal WOSB, HUBZone, and SDB company.

We are interested in exploring opportunities to assist you on your project. Can you please provide additional details?

Thanks,

*J Scott Hanson*

VP of Business Development

Burgoon Company

[shanson@burgooncompany.com](mailto:shanson@burgooncompany.com)

office: 800-287-4666

cell: 832-221-6329

**From:** "Elke Mosholder" <elke.mosholder@sfcc.edu>  
**Date:** Tuesday, April 26, 2016 2:12 PM  
**To:** "Diane Ragen" <diane@generalhydronics.com>  
**Subject:** Re: updates

Thank you Diana!

By the way I received several calls from EL Paso contractors that were interested in subcontracting on that Dona Ana Water project. I provided them with your contact information.

Please don't hesitate to call me if there is anything else that can assist you with.

Have a good day and week.

Sincerely,  
Elke

**Elke Mosholder**

PTAP Procurement Advisor  
Procurement Technical Assistance Program- Alamogordo, NM  
NMSU - Alamogordo  
2400 N. Scenic Drive, SBDC, RM 116  
Alamogordo, NM 88310  
Phone Office: (575) 439-3666  
Phone SBDC: (575) 439-3660  
Fax: (575) 439-3819  
[elke.mosholder@sfcc.edu](mailto:elke.mosholder@sfcc.edu)  
<http://www.nmptap.org>

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**Davis-Bacon Act Certification**

The Contractor acknowledges to and for the benefit of the Owner Dona Ana MDWCA ("Purchaser") and the State of New Mexico (the "State") that it understands the goods and services under this Agreement are being funded with monies made available by the Special Appropriations Act and such law contains provisions commonly known as the Davis-Bacon Act that requires all contractors and subcontractors performing work on federal construction contracts or federally assisted contracts in excess of \$2,000 to pay their laborers and mechanics not less than the federal prevailing wage rates and fringe benefits for corresponding classes of laborers and mechanics employed on similar projects in the area as determined by the Secretary of Labor.

The Contractor hereby represents and warrants to and for the benefit of the Purchaser and the State that (a) the Contractor has reviewed and understands the Davis-Bacon Act, (b) as such has compensated all contractors and sub-contractors performing work on this project not less than the prevailing wage rate and fringe benefits for corresponding classes as determined by the Secretary of Labor, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, as may be requested by the Purchaser or the State. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover as damages against the Contractor any loss, expense or cost (including without limitation attorney's fees) incurred by the Purchaser or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

David Caraway 05/09/2016  
**(Contractor Signature & Date)**  
David Caraway / Vice-President  
General Hydronics Inc.

\_\_\_\_\_  
**(Owner Signature & Date)**

United States Environmental Protection Agency  
Washington, DC 20460

**Certification Regarding  
Debarment, Suspension, and Other Responsibility Matters**

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

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated or cause of default.

I understand that a false statement on this certification may be ground for rejection of this proposal or termination of the award. In addition, under 18 U SC Sec. 10 01, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

David Caraway / Vice-President

Typed Name & Title of Authorized Representative

  
Signature of Bidder's Authorized Representative

05/09/2016

Date

I am unable to certify to the above statements. My explanation is attached.

**Disadvantaged Business Enterprise (DBE) Program  
DBE Subcontractor Performance Form**

This form is intended to capture the DBE<sup>1</sup> subcontractor's<sup>2</sup> description of work to be performed and the price of the work submitted to the prime contractor. An EPA Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractors bid or proposal package.

Subcontractor Name None		Project Name	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address			
Telephone No.		Email Address	
Prime Contractor Name		Issuing/Funding Entity:	

Contract Item Number	Description of Work Submitted to the Prime Contractor Involving Construction, Services, Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: ___ DOT ___ SBA ___ Other: _____		Meets/ exceeds EPA certification standards? ___ YES ___ NO ___ Unknown

<sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.

**Disadvantaged Business Enterprise (DBE) Program  
DBE Subcontractor Performance Form**

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

<b>Prime Contractor Signature</b>	<b>Print Name</b>
<i>David Caraway</i>	David Caraway
<b>Title</b>	<b>Date</b>
Vice-President	05/09/2016

<b>Subcontractor Signature</b>	<b>Print Name</b>
<b>Title</b>	<b>Date</b>

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.



**Disadvantaged Business Enterprise (DBE) Program  
DBE Subcontractor Utilization Form**

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE<sup>1</sup> subcontractors<sup>2</sup> and the estimated dollar amount of each subcontract. An EPA Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Prime Contractor Name General Hydronics Inc.		Project Name Dona Ana MDWCA District 5 Water System Improvement	
Bid/ Proposal No.	Assistance Agreement ID No. (if known)	Point of Contact	
Address 1001 Zuni Dr., Ste C, Alamogordo NM 88310			
Telephone No. 575.437.6512		Email Address gh@generalhydronics.com	
Issuing/Funding Entity:			

I have identified potential DBE certified subcontractors	__ YES	x__ NO
--	--------	--------

If yes, please complete the table below. If no, please explain: We did not receive any subcontractors in the areas we were needing subs for this project.

Subcontractor Name/ Company Name	Company Address/ Phone/ Email	Est. Dollar Amt	Currently DBE Certified?

Continue on back if needed

<sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.

**Disadvantaged Business Enterprise (DBE) Program  
DBE Subcontractor Utilization Form**

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

<b>Prime Contractor Signature</b>	<b>Print Name</b>
<i>David Caraway</i>	David Caraway
<b>Title</b>	<b>Date</b>
Vice-President	05/09/2016

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.



May 26, 2016

#6324372

Ms. Jennifer J. Horton, Executive Director  
Doña Ana Mutual Domestic Water Consumers Association  
5535 Ledesma Drive, Las Cruces, NM 88007  
P.O. Box 866, Doña Ana, NM 88032  
(575) 526-3491, (575) 526-9306 (Fax)  
[jennifer@dawater.org](mailto:jennifer@dawater.org)

RE: FAIRVIEW II WATER SYSTEM IMPROVEMENT PROJECT, DOÑA ANA MDWCA  
UTILITY LOCATING DESIGN PHASE SERVICES

Dear Ms. Horton:

Enclosed please find the contract package for Utility Locating on the Fairview II Water System Improvement Project, as provided under the 2015-03 contract agreement for water. The costs and scope of work presented herein are consistent with that discussed with the Doña Ana Mutual Domestic Water Consumers Association (MDWCA) in a meeting held on May 23, 2016.

Following Doña Ana MDWCA Board review and approval, and Doña Ana MDWCA Board President execution of the agreement, one copy should be forwarded on to the funding agency for their review and concurrence. Please feel free to call if you should have any questions regarding the scope of work referred to herein.

Sincerely,

MILLER ENGINEERS, INC. D/B/A  
SOUDER, MILLER & ASSOCIATES

A handwritten signature in blue ink, appearing to read 'Lilla J. Reid'.

Lilla J. Reid, P.E.  
Senior Design Manager  
[lilla.reid@soudermiller.com](mailto:lilla.reid@soudermiller.com)

cc: Mr. Abenicio Fernandez, Project Manager

**WORKPLAN AND BUDGET**

**SERVICES RELATING TO THE UTILITY LOCATING WATER SYSTEM IMPROVEMENTS FOR THE FAIRVIEW II PROJECT  
DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION**

**DOÑA ANA, NEW MEXICO**

**MAY 26, 2016**

This workplan and budget is in response to the request by Doña Ana Mutual Domestic Water Consumers Association to Souder, Miller & Associates (SMA) for utility locating in the north side of New Mexico Department of Transportation (NMDOT) right-of-way on W Picacho Avenue between Shalem Colony Trail and Picacho Hills Drive. The scope of work was provided to SMA by Ms. Jennifer J. Horton, Executive Director in a meeting held on May 23, 2016.

The budget for the following phase of the project will be billed on a lump sum basis; therefore, the invoices will not include an itemized breakdown of charges. Invoices will be issued on a monthly basis reflecting the percentage of the task completed to date. NMGRT will be added to each invoice at the time of billing.

<b>Lump Sum Deliverable Schedule</b>		
<b>Task</b>	<b>Description</b>	<b>Budget Requested</b>
P3T11	Utility Locating	\$4,963.00
<b>Total Workplan Cost (not including NMGRT)</b>		<b>\$4,963.00</b>

**P3T11- Utility Locating**

SMA will contract with Morrow Enterprises, Inc. to complete the subsurface utility locating for 4 sites totaling approximately 2 linear feet at each site from near the edge of pavement to edge of right-of-way on the north side of W Picacho Avenue. The subsurface utility locating will be obtained by excavating the underground utilities in the NMDOT right-of-way on the north side of W Picacho Avenue. This task will include performing excavation (locating) and survey to accurately map the true location of the underground utilities at 4 locations. Utility material and utility size will be made available to assist the Doña Ana MDWCA and SMA in design decisions. SMA will work with Doña Ana MDWCA to determine the location of the utility test holes. *This task assumes excavation holes that do not involve: casing to support collapsing soils, pumping to control groundwater infiltration, flowable fills, extremely large cobble and boulders, and contaminated soils.* Where test holes are excavated, areas shall be restored as nearly as reasonably possible to the conditions that existed prior to excavation.

*Note: SMA has not included funding for application fees or insurance fees that may be required by right of way management agencies. These fees shall be paid directly by the Owner.*

## ATTACHMENTS

Please check the appropriate box and include applicable **attachments**

1. As set forth in the AGREEMENT FOR ENGINEERING SERVICES dated the 13<sup>th</sup> day of January 2015 by and between the Doña Ana Mutual Domestic Water Consumers Association the OWNER, and Souder, Miller & Associates, the ENGINEER, the OWNER and ENGINEER agree this 02<sup>nd</sup> day of June, 2016 that the OWNER shall compensate the ENGINEER for services described in Section B and Section C and further described in

**ATTACHMENT I – Planning Services scope of work, cost proposal and compensation for Engineering Services During the Planning Phase**

**ATTACHMENT II – Design Services scope of work, cost proposal and compensation for Engineering Services During the Design Phase**

**ATTACHMENT III – Construction Services scope of work, cost proposal and compensation for Engineering Services During the Construction Phase**

**ATTACHMENT IV – Operational Services scope of work, cost proposal and compensation for Engineering Services During the Operation Phase**

2. Compensation for ENGINEERING SERVICES shall be by the

**LUMP SUM** method of payment. The total amount of compensation for ENGINEERING SERVICES, as described in the appropriate ATTACHMENTS shall not exceed \$4,963.00, excluding gross receipt tax and reimbursables.

**STANDARD HOURLY RATE WITH MAXIMUM** method of payment. The total amount of hourly charges, excluding gross receipt tax and reimbursables, for ENGINEERING SERVICES as described in the appropriate ATTACHMENTS shall not exceed \$\_\_\_\_\_ without prior written approval of the OWNER, with Funding Agency concurrence.

3. Compensation for ADDITIONAL ENGINEERING SERVICES (provided by the ENGINEER upon written authorization from the OWNER and concurrence of the Funding Agency), shall be by the

**LUMP SUM** method of payment. The total amount of compensation for ADDITIONAL ENGINEERING SERVICES, as described in the appropriate ATTACHMENT shall not exceed \$\_\_\_\_\_, excluding gross receipt tax and reimbursables.

**STANDARD HOURLY RATE WITH MAXIMUM** method of payment. The total amount of hourly charges, excluding gross receipt tax and reimbursables, for ADDITIONAL ENGINEERING SERVICES as described in the appropriate ATTACHMENT shall not exceed \$\_\_\_\_\_ without prior written approval of the OWNER and with Funding Agency concurrence.

4. The amount of compensation shall not change unless the scope of services to be provided by the ENGINEER changes and this Agreement is formally amended according to Section A-5.

Contract Time under Section B. and for the purpose of Section A.8 shall be 45 calendar days for P3T11 after notice to proceed is received calendar days (or as specified in the Attachments).

5. The OWNER and ENGINEER agree that as mutually agreeable, reasonable Liquidated Damages for delay (but not as a penalty), ENGINEER shall pay OWNER fifty dollars (\$50.00) (minimum fifty dollars [\$50.00] per day) for each calendar day that expires after the Contract Time specified in the Agreement (See attached project schedule - Gantt chart, bar chart, etc.) until the Work is complete and accepted by the

OWNER. OWNER shall have no more than ten (10) calendar days to accept or reject the Work.

6. The ENGINEER agrees to obtain and maintain, at the ENGINEER's expense, such insurance as will protect the ENGINEER from claims under the Workman's Compensation Act and such comprehensive general liability and automobile insurance as will protect the OWNER and the ENGINEER from all claims for bodily injury, death, or property damage which may arise from the performance by the ENGINEER, or by the ENGINEER's employees, for the ENGINEER's functions and services required under this Agreement. Such insurance shall be in an amount not less than \$ 500,000 for injury to any one person and \$ 1,000,000 on account of any one accident and in the amount of not less than \$ 1,000,000 for property damage. The ENGINEER further agrees to procure and maintain professional liability (errors and omissions) insurance in an amount not less than \$ 1,000,000 per claim and in the aggregate. Prior to commencement of any work, the ENGINEER shall furnish to the OWNER a certificate that complies with this paragraph. The certificate shall provide that the policy shall not be canceled until at least ten (10) calendar days prior written notice shall have been given to the OWNER. ENGINEER shall provide annual updates of the certificate to demonstrate the policy remains in effect for the duration of this Agreement.

7. OWNER shall pay ENGINEER applicable gross receipt taxes and reimbursable expenses at the rates set forth in the appropriate ATTACHMENTS. The amounts payable to ENGINEER for reimbursable expenses will be the project related internal expenses, such as mileage, per diem and reproduction, actually incurred or allocated by ENGINEER, plus all invoiced external reimbursable expenses, including consultants, allocable to the project, the latter multiplied by a factor of 1.1 (1.1 MAXIMUM). Mileage will be reimbursed at the current federally approved IRS rate. Reimbursable expenses shall not exceed the estimate in the ATTACHMENT without prior written approval of the OWNER, with Funding Agency concurrence.

8. The method for interim or partial payments, such as milestone or time & materials, shall be: Invoices will be issued on a monthly basis reflecting the percentage complete to date.


The rest of the page is intentionally left blank


9. Signatures

IN WITNESS THEREOF, the parties hereto have executed, or caused to be executed, by their duly authorized officials, this Agreement in triplicate on the respective dates indicated below.

ATTEST: \_\_\_\_\_  
Type Name Dr. Kurt Anderson  
Title Secretary / Treasurer  
Date 02Jun16

OWNER: Doña Ana MDWCA  
By \_\_\_\_\_  
Type Name Mr. Jim Melton  
Title President  
Date 02Jun16

ATTEST:  \_\_\_\_\_  
Type Name Lilla J. Reid, P.E.  
Title Senior Design Manager  
Date 26May16

ENGINEER: Souder, Miller & Associates  
By  \_\_\_\_\_  
Type Name Karl E. Tonander, P.G., P.E.  
Title Senior Vice-President  
Address 401 N. Seventeenth St., Ste 4  
Las Cruces, NM 88005  
Date 26May16

REVIEWED: FUNDING AGENCY  
NAME: \_\_\_\_\_  
By \_\_\_\_\_  
Type Name \_\_\_\_\_  
Date \_\_\_\_\_

## Summary of Cost Proposal

**Souder, Miller & Associates**

**Professional Services and Expenses Task/Hours/Fee Breakdown Related To**

---

**Project Description:** DAMDWCA W Fairview II Utility Locates  
**Project Number:** 6324372  
**Owner:** Doña Ana MDWCA  
**Date of Submittal:** May 26, 2016  
**Tax Rate on Services:** 8.3125%

<b>TOTALS</b>
---------------

<b>PHASE/ CATEGORY OF WORK</b>	<b>Subtotal</b>	<b>NMGRT</b>	<b>Total</b>
P3T11 Utility Locating	\$ 4,963.00	\$ 412.55	\$ 5,375.55
<b>TOTALS</b>	\$ 4,963.00	\$ 412.55	\$ 5,375.55



**EXHIBIT A.2 - COST PROPOSAL**

**Souder, Miller & Associates**

**Professional Services and Expenses Task/Hours/Fee Breakdown Related To**

**UTILITY LOCATING DESIGN PHASE SERVICES**

**Project Description:** DAMDWCA W Fairview II Utility Locates  
**Project Number:** 6324372  
**Owner:** Doña Ana MDWCA  
**Date of Submittal:** May 26, 2016  
**Tax Rate on Services:** 8.3125%

Note: Figures in this table do not include tax.

Job Description	Principal	Senior Design Manager	Project Eng./Sci. Mgr II	Eng/CAD Surv/Field Tech III	Admin III	GPS	Mileage	Expenses	Total SMA	Sub Contracts	Total Task
<b>Billing Rate per Unit</b>	\$ 200	\$ 180	\$ 120	\$ 85	\$ 85	\$ 20	\$ 0.54	\$ 1.00			
<b>Unit</b>	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Mi	Actual	\$	\$	\$
<b>Task</b>											
<b>P3T11 Utility Locating</b>											
NMDOT Permit		0.5	0.5						\$ 150		
Utility Locating (4 locations)									\$ -	\$ 3,960	
Perform Field Survey			2	2		2	20		\$ 461		
Coordination w/ Utility Comps			1						\$ 60		
Traffic Control								200	\$ 200		
Management and Invoicing		0.5			0.5				\$ 133		
<b>Subtotal Hours:</b>	0	1	3	2	0.5	2	20	200	\$ 1,003	\$ 3,960	\$ 4,963
<b>Subtotal Cost:</b>	\$ -	\$ 180	\$ 360	\$ 170	\$ 43	\$ 40	\$ 11	\$ 200	\$ 1,003		

**Total Cost of Planning Phase Services: \$ 4,963**



May 26, 2016

# 6323931

Ms. Jennifer J. Horton, Executive Director  
Doña Ana Mutual Domestic Water Consumers Association  
5535 Ledesma Drive, Las Cruces, NM 88007  
P.O. Box 866, Doña Ana, NM 88032  
(575) 526-3491, (575) 526-9306 (Fax)  
[jennifer@dawater.org](mailto:jennifer@dawater.org)

RE: CONSTRUCTION PHASE CONTRACT PACKAGE FOR ADDITIONAL CONSTRUCTION TIME FOR THE WATER SYSTEM  
IMPROVEMENT IN RAILROAD RIGHT-OF-WAY, DOÑA ANA MDWCA

Dear Ms. Horton:

Enclosed please find the contract package for an additional 30 working days of construction time for the water system improvement in Burlington Northern and Santa Fe (BNSF) Railway right-of-way, as provided under the 2015-03 contract agreement for water. The costs and scope of work presented herein are consistent with that discussed with the Doña Ana Mutual Domestic Water Consumers Association (MDWCA) when the project was bid, and again in a meeting held on May 23, 2016.

Following Doña Ana MDWCA Board review and approval, and Doña Ana MDWCA Board President execution of the agreement, one copy should be forwarded on to funding agency for their review and concurrence. Please feel free to call if you should have any questions regarding the scope of work referred to herein.

Sincerely,

MILLER ENGINEERS, INC. D/B/A  
SOUDER, MILLER & ASSOCIATES

A handwritten signature in blue ink that reads "Marty Howell".

Marty Howell, P.E.  
Senior Engineer II  
[marty.howell@soudermiller.com](mailto:marty.howell@soudermiller.com)

A handwritten signature in blue ink that reads "Lilla J. Reid".

Lilla J. Reid, P.E.  
Senior Design Manager  
[lilla.reid@soudermiller.com](mailto:lilla.reid@soudermiller.com)

cc: Mr. Abenicio Fernandez, Project Manager

**WORKPLAN AND BUDGET**  
**SERVICES RELATING TO THE WATER SYSTEM IMPROVEMENTS IN RAILROAD RIGHT-OF-WAY**  
**DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION**  
**DOÑA ANA, NEW MEXICO**  
**MAY 26, 2016**

This workplan and budget is pursuant to the request by Doña Ana Mutual Domestic Water Consumers Association (MDWCA) to Souder, Miller & Associates (SMA). The scope of work of this project is for an additional 30 working days of construction time for the construction phases of four Burlington Northern Santa Fe (BNSF) Railway waterline bore crossings related to the installation of 12- and 18-inch waterlines. The BNSF crossings are at Thorpe, Engler, Pedro-Madrid and Alvillar Roads.

The budgets for this phase of the project will use a combination of lump sum (fixed fee) and time and materials billing methods depending on how well defined the scope is for each item. The single task to be billed using a time and materials format will include an itemized breakdown of individual charges. The tasks to be billed on a lump sum basis will have an invoice that will not include an itemized breakdown of charges. However, invoices will be issued on a monthly basis reflecting the percentage complete to date.

<b>Lump Sum Deliverable Schedule</b>		
<b>Task</b>	<b>Description</b>	<b>Budget Requested</b>
P6T01a	Construction Administration	\$2,290.00
<b>Total Workplan Cost (not including NMGRT)</b>		<b>\$2,290.00</b>

<b>Time and Materials Deliverable Schedule</b>		
<b>Task</b>	<b>Description</b>	<b>Budget Requested</b>
P6T10a	Construction Observation	\$24,645.00
<b>Total Workplan Cost (not including NMGRT)</b>		<b>\$24,645.00</b>

**P6T01a- Construction Administration**

Upon written authorization from Doña Ana MDWCA, SMA shall:

1. Act as the engineer as described in the Engineers Joint Contract Documents Committee (EJCDC) contract documents for the project construction.
2. Consult with the Association and act as the Association's representative as provided in the NMED Standard Agreement. All of the Association's instructions to the contractor will be issued through SMA who shall have authority to act on behalf of Doña Ana MDWCA in dealings with the contractor to the extent provided in this workplan of the construction documents.
3. Make visits to the site at intervals appropriate to the various stages of construction, as SMA deems necessary, but at least monthly (usually corresponding with a construction progress meeting), in order to observe the progress and quality of the various aspects of the contractor's work.
4. During such visits SMA will recommend to the Association that the contractor's work be disapproved and rejected while it is in progress if SMA believes that such work will not produce a completed project that conforms generally to the contract documents and technical

- specifications or that will prejudice the integrity of the design concept of the completed project as a functioning whole as indicated in the contract documents and technical specifications.
5. Issue necessary clarifications and interpretations of the contract documents and technical specifications as appropriate to the orderly completion of the work. SMA may issue field orders authorizing minor variations from the requirements of the contract documents and technical specifications.
  6. Recommend change orders and work change directives to the Association, as appropriate, and work with funding agencies to obtain their concurrence.
  7. Based on review of applications for payment and accompanying support documentation, recommend the amounts that the contractor be paid. Such recommendations of payment will be in writing and will constitute SMA's representation to the Association, based on such observations and review, that, to the best of SMA's knowledge, the work has progressed to the point indicated, the quality of such work is generally in accordance with the contract documents, and the conditions precedent to contractors' being entitled to such payment appear to have been fulfilled in as so far as it is SMA's responsibility to observe the work.

As noted in the original workplan, the construction phase will commence with the execution of the construction agreement for the project or any part thereof and will terminate upon written recommendation by SMA of final payment to the contractor. Following notices from the contractor that the entire work is ready for its intended use, in company with the Association, review agency, and contractor, SMA will conduct a meeting to determine if the work is substantially complete. If, after considering any objections of the Association, SMA considers the work substantially complete; SMA shall deliver a certificate of substantial completion to the Association, review agency, and contractor.

#### **P6T10a- Construction Observation**

Upon written authorization from Doña Ana MDWCA, SMA shall:

1. Act as the construction observer as described in the EJCDC contract documents for the project construction.
2. Provide the services of a project representative / observer at the construction sites on a full-time basis (approximately 45 hours/week) for an additional 30 working days for the estimated construction schedule.
3. Make daily site visits in order to observe the progress and quality of the various aspects of the contractor's work. Based on information obtained during such visits and observations, SMA shall determine in general if such work is proceeding in accordance with the contract documents and technical specifications (including documentation of field quality control requirements) and shall keep the Association informed of the progress of the work.
4. Verify the quantities in applications for payment and accompanying support documentation and advise of the amounts that the contractor should be paid. SMA will verify and document contractor submittals are in accordance with the technical specification, material received is per the submittals, material installed, tested and measured per the technical specifications.

*The cost of this workplan is intended for 30 working days of construction administration and construction observation. As discussed with Doña Ana MDWCA staff, if additional construction time is required, the above items will be addressed in subsequent workplans.*

## ATTACHMENTS

Please check the appropriate box and include applicable **attachments**

1. As set forth in the AGREEMENT FOR ENGINEERING SERVICES dated the 13<sup>th</sup> day of January 2015 by and between the Doña Ana Mutual Domestic Water Consumers Association the OWNER, and Souder, Miller & Associates, the ENGINEER, the OWNER and ENGINEER agree this 2<sup>nd</sup> day of June, 2016 that the OWNER shall compensate the ENGINEER for services described in Section B and Section C and further described in

**ATTACHMENT I** – Planning Services scope of work, cost proposal and compensation for Engineering Services During the Planning Phase

**ATTACHMENT II** – Design Services scope of work, cost proposal and compensation for Engineering Services During the Design Phase

**ATTACHMENT III** – Construction Services scope of work, cost proposal and compensation for Engineering Services During the Construction Phase

**ATTACHMENT IV** – Operational Services scope of work, cost proposal and compensation for Engineering Services During the Operation Phase

2. Compensation for ENGINEERING SERVICES shall be by the

**LUMP SUM** method of payment. The total amount of compensation for ENGINEERING SERVICES, as described in the appropriate ATTACHMENTS shall not exceed \$2,290.00, excluding gross receipt tax and reimbursables.

**STANDARD HOURLY RATE WITH MAXIMUM** method of payment. The total amount of hourly charges, excluding gross receipt tax and reimbursables, for ENGINEERING SERVICES as described in the appropriate ATTACHMENTS shall not exceed \$24,645.00 without prior written approval of the OWNER, with Funding Agency concurrence.

3. Compensation for ADDITIONAL ENGINEERING SERVICES (provided by the ENGINEER upon written authorization from the OWNER and concurrence of the Funding Agency), shall be by the

**LUMP SUM** method of payment. The total amount of compensation for ADDITIONAL ENGINEERING SERVICES, as described in the appropriate ATTACHMENT shall not exceed \$\_\_\_\_\_, excluding gross receipt tax and reimbursables.

**STANDARD HOURLY RATE WITH MAXIMUM** method of payment. The total amount of hourly charges, excluding gross receipt tax and reimbursables, for ADDITIONAL ENGINEERING SERVICES as described in the appropriate ATTACHMENT shall not exceed \$\_\_\_\_\_ without prior written approval of the OWNER and with Funding Agency concurrence.

4. The amount of compensation shall not change unless the scope of services to be provided by the ENGINEER changes and this Agreement is formally amended according to Section A-5.

Contract Time under Section B. and for the purpose of Section A.8 shall be an additional 30 working days for P6T01a-Construction Administration and an additional 30 working days for P6T10a-Construction Observation (or as specified in the Attachments).

5. The OWNER and ENGINEER agree that as mutually agreeable, reasonable Liquidated Damages for delay (but not as a penalty), ENGINEER shall pay OWNER fifty dollars (\$50.00) (minimum fifty dollars [\$50.00] per day) for each calendar day that expires after the Contract Time specified in the Agreement (See attached project schedule - Gantt chart, bar chart, etc.) until the Work is complete and accepted by the OWNER. OWNER shall have no more than ten (10) calendar days to accept or reject the Work.

6. The ENGINEER agrees to obtain and maintain, at the ENGINEER's expense, such insurance as will protect the ENGINEER from claims under the Workman's Compensation Act and such comprehensive general liability and automobile insurance as will protect the OWNER and the ENGINEER from all claims for bodily injury, death, or property damage which may arise from the performance by the ENGINEER, or by the ENGINEER's employees, for the ENGINEER's functions and services required under this Agreement. Such insurance shall be in an amount not less than \$ 500,000 for injury to any one person and \$1,000,000 on account of any one accident and in the amount of not less than \$1,000,000 for property damage. The ENGINEER further agrees to procure and maintain professional liability (errors and omissions) insurance in an amount not less than \$1,000,000 per claim and in the aggregate. Prior to commencement of any work, the ENGINEER shall furnish to the OWNER a certificate that complies with this paragraph. The certificate shall provide that the policy shall not be canceled until at least ten (10) calendar days prior written notice shall have been given to the OWNER. ENGINEER shall provide annual updates of the certificate to demonstrate the policy remains in effect for the duration of this Agreement.

7. OWNER shall pay ENGINEER applicable gross receipt taxes and reimbursable expenses at the rates set forth in the appropriate ATTACHMENTS. The amounts payable to ENGINEER for reimbursable expenses will be the project related internal expenses, such as mileage, per diem and reproduction, actually incurred or allocated by ENGINEER, plus all invoiced external reimbursable expenses, including consultants, allocable to the project, the latter multiplied by a factor of 1.1 (1.1 MAXIMUM). Mileage will be reimbursed at the current federally approved IRS rate. Reimbursable expenses shall not exceed the estimate in the ATTACHMENT without prior written approval of the OWNER, with Funding Agency concurrence.

8. The method for interim or partial payments, such as milestone or time & materials, shall be: Invoices will be issued on a monthly basis reflecting the percentage complete to date and at milestones.


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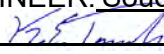
9. Signatures

IN WITNESS THEREOF, the parties hereto have executed, or caused to be executed, by their duly authorized officials, this Agreement in triplicate on the respective dates indicated below.

ATTEST: \_\_\_\_\_  
Type Name Dr. Kurt Anderson  
Title Secretary/Treasurer  
Date 02Jun16

OWNER: Doña Ana MDWCA  
By \_\_\_\_\_  
Type Name Mr. Jim Melton  
Title President  
Date 02Jun16

ATTEST:  \_\_\_\_\_  
Type Name Lilla J. Reid, P.E.  
Title Senior Design Manager  
Date 26May16

ENGINEER: Souder, Miller & Associates  
By  \_\_\_\_\_  
Type Name Karl E. Tonander, P.G., P.E.  
Title Senior Vice-President  
Address 401 N. Seventeenth St., Ste 4  
Las Cruces, NM 88005  
Date 26May16

REVIEWED: FUNDING AGENCY  
NAME: \_\_\_\_\_  
By \_\_\_\_\_  
Type Name \_\_\_\_\_  
Date \_\_\_\_\_

## Summary of Cost Proposal

### Souder, Miller & Associates

#### Professional Services and Expenses Task/Hours/Fee Breakdown Related To

---

**Project Description:** DAMDWCA W Railroad Crossings  
**Project Number:** 6323931  
**Owner:** Doña Ana MDWCA  
**Date of Submittal:** May 26, 2016  
**Tax Rate on Services:** 8.3125%

<b>TOTALS</b>
---------------

<b>PHASE/ CATEGORY OF WORK</b>	<b>Subtotal</b>	<b>NMGRT</b>	<b>Total</b>
P6T01a Construction Administration	\$ 2,290.00	\$ 190.36	\$ 2,480.36
P6T10a Construction Observation	\$ 24,645.00	\$ 2,048.62	\$ 26,693.62
<b>TOTALS</b>	\$ 24,645.00	\$ 2,048.62	\$ 26,693.62



**EXHIBIT C.2 - COST PROPOSAL**

**Souder, Miller & Associates**

**Professional Services and Expenses Task/Hours/Fee Breakdown Related To**

**CONSTRUCTION PHASE - BASIC ENGINEERING SERVICES**

**Project Description:** DAMDWCA W Railroad Crossings  
**Project Number:** 6323931  
**Owner:** Doña Ana MDWCA  
**Date of Submittal:** May 26, 2016  
**Tax Rate on Services:** 8.3125%

Note: Figures in this table do not include tax.

Job Description	Principal	Senior Eng./Sur. Mgr II	Senior Eng./Sur. Mgr I	Project Eng./Sci. Mgr I	Construc. Observer III	Admin II	Mileage	Total SMA	Total Task
<b>Billing Rate per Unit</b>	\$ 190	\$ 150	\$ 135	\$ 105	\$ 90	\$ 65	\$ 0.575		
<b>Unit</b>	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Mi	\$	\$
<b>Task</b>									
<b>P6T01a Construction Administration</b>									
On-site Meetings		2		6			40	\$ 953.00	
Evaluate Contractor Pay Requests (1)		2		4	2		20	\$ 911.50	
Coordinate/Attend Partial Payments (1)		1		2		1		\$ 425.00	
<b>Subtotal Hours:</b>	0	5	0	12	2	1	60	\$ 2,289.50	\$ 2,289.50
<b>Subtotal Cost:</b>	\$ -	\$ 750.00	\$ -	\$ 1,260.00	\$ 180.00	\$ 65.00	\$ 34.50	\$ 2,289.50	

<b>P6T10a Construction Observation</b>									
Construction Observation					270		600	\$ 24,645.00	
Number of Visits = 30								\$ -	
Hours per Visit = 9								\$ -	
Frequency of Visits = Daily								\$ -	
Includes Pay Meeting Attendance								\$ -	
<b>Subtotal Hours:</b>	0	0	0	0	270	0	600	\$ 24,645.00	\$ 24,645.00
<b>Subtotal Cost:</b>	\$ -	\$ -	\$ -	\$ -	\$ 24,300.00	\$ -	\$ 345.00	\$ 24,645.00	

**Total Cost of Construction Phase Services: \$ 26,934.50**



May 25, 2016

#6324321

Ms. Jennifer J. Horton, Executive Director  
Doña Ana Mutual Domestic Water Consumers Association  
5535 Ledesma Drive, Las Cruces, NM 88007  
P.O. Box 866, Doña Ana, NM 88032  
(575) 526-3491, (575) 526-9306 (Fax)  
[jennifer@dawater.org](mailto:jennifer@dawater.org)

RE: District 5 WASTEWATER TREATMENT PLANT IMPROVEMENT PROJECT, DOÑA ANA MDWCA


Dear Ms. Horton:

Enclosed please find the revised contract package for the District 5 Wastewater Treatment Plant Improvement Project, as provided under the 2015-02 contract agreement for wastewater. The costs and scope of work presented herein are consistent with that discussed in multiple meetings held in 2015 with Ms. Jennifer J. Horton, Executive Director, and Mr. Abenicio Fernandez, Project Manager of Doña Ana Mutual Domestic Water Consumers Association (MDWCA) and presented in the 2015 District 5 Wastewater Treatment Plant Preliminary Engineering Report (PER). The revisions address comments provided by the New Mexico Environment Department (NMED) Construction Programs Bureau (PPB) dated April 6, 2016.

Following Doña Ana MDWCA Board review and approval, and Doña Ana MDWCA Board President and Secretary/Treasurer execution of the agreement, one copy should be forwarded on to the funding agency for their review and concurrence. Please feel free to call if you should have any questions regarding the scope of work referred to herein.

Sincerely,

MILLER ENGINEERS, INC. D/B/A  
SOUDER, MILLER & ASSOCIATES

  
Marty Howell, P.E.  
Senior Engineer II  
[marty.howell@soudermiller.com](mailto:marty.howell@soudermiller.com)

  
Lilla J. Reid, P.E.  
Senior Design Manager  
[lilla.reid@soudermiller.com](mailto:lilla.reid@soudermiller.com)

cc: Mr. Abenicio Fernandez, Project Manager

**EXHIBIT B.1- WORKPLAN AND BUDGET**

**SERVICES RELATING TO THE DISTRICT 5 WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT  
DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION  
DOÑA ANA, NEW MEXICO  
MAY 25, 2016**

This workplan and budget is in response to the request by Doña Ana Mutual Domestic Water Consumers Association to Souder, Miller & Associates (SMA) to design the District 5 wastewater treatment plant improvements. The scope of work was provided to SMA by Ms. Jennifer J. Horton, Executive Director and Mr. Abenicio Fernandez, Project Manager in planning meetings held in 2015, and to comments received from Mr. Steve M. Deal, P.E. of the New Mexico Environment Department Construction Programs Bureau in 2016. The scope of work and cost are consistent with Alternatives S-A (Aeromod Sequox Process Conversion), T-A (Stainless Steel Disk Filter), T-D (Chlorine Disinfection), E-A (On-Site Effluent Storage Capacity Increase) and H-B (Dewatering Screw Press) of the Preliminary Engineering Report (PER) for the District No. 5 Wastewater Treatment Plant dated November 2015. The project includes design of improvements in the alternatives listed above to support the upgrades to the wastewater treatment plant.

The budgets for the following phases of the project will be billed on a lump sum basis; therefore, the invoices will not include an itemized breakdown of charges. Invoices will be issued on a monthly basis reflecting the percentage of each task completed to date. NMGRT will be added to each invoice at the time of billing.

<b>Lump Sum Deliverable Schedule</b>		
<b>Task</b>	<b>Description</b>	<b>Budget Requested</b>
P3T01	Field Survey and Mapping	\$34,387.00
P3T33	Preliminary Design	\$186,282.00
P4T33	Final Design	\$67,480.00
<b>Total Workplan Cost (not including NMGRT)</b>		<b>\$288,149.00</b>

**P3T01- Field Survey and Mapping**

Survey support will include professional land survey support of the project design including identifying existing and proposed utility locations, and basic topography within the project limits. In addition, survey support will include locations (horizontal and vertical) of all wastewater treatment plant hydraulic control structures, weirs, valves, and all appurtenant structures which may require redesign and modification in order to meet NMED discharge permit requirements. All survey work will be directed and overseen by a New Mexico registered land surveyor. Note that only apparent rights-of-way will be identified; a boundary survey is not being completed at this time. All control used (recovered or set) for the project will be included in the final plans. Survey datums will utilize North American (horizontal) Datum (NAD) 83 and North American Vertical Datum (NAVD) 88.

### **P3T33- Preliminary Design**

Preliminary design will include engineering design services for the wastewater treatment plant improvements project through approximately 60% complete. SMA will complete a plan layout of the proposed improvements as well as all appropriate header sheets, notes, and details for review by the Association. SMA will coordinate with geotechnical and the electrical engineering subcontractors during the design process. As noted above, the design includes improvements intended to meet NMED discharge permit requirements. The design will include yard piping, secondary treatment improvements, tertiary improvements, sludge dewatering, reuse pumping plan, walkways and railing, plant water and air systems, demolition plan and appropriate appurtenances and structures consistent with Alternative S-A, T-A, T-D, E-A and H-B of the PER. The design of the treatment components will consist of coordination with equipment suppliers and modification of sample drawings and specifications provided by suppliers to enable competitive bidding on a performance basis. SMA will develop a construction plan set with a single copy to be submitted to the Owner, regulatory and funding agencies for review. SMA will also keep in contact with the review agencies to ensure their respective awareness of the design progress and to expedite approval of the plans.

### **P4T33- Final Design**

Final design will include revisions to the construction plans based on review comments received, development of a draft bid package and submittal of these items to the appropriate review agencies. SMA will advise Doña Ana MDWCA of any adjustments to the opinion of probable construction costs and any adjustments to the total project costs known to SMA. SMA will revise the plans and compile the technical specifications into a single master package. Using this information, SMA will apply for a revised groundwater discharge permit and a county building permit for the wastewater treatment plant improvements.

*Note: SMA has not included funding for application fees or insurance fees that may be required by permitting agencies. These fees shall be paid directly by the Owner.*

## ATTACHMENTS

Please check the appropriate box and include applicable **attachments**

1. As set forth in the AGREEMENT FOR ENGINEERING SERVICES dated the 13<sup>th</sup> day of January 2015 by and between the Doña Ana Mutual Domestic Water Consumers Association the OWNER, and Souder, Miller & Associates, the ENGINEER, the OWNER and ENGINEER agree this 02<sup>nd</sup> day of June, 2016 that the OWNER shall compensate the ENGINEER for services described in Section B and Section C and further described in

**ATTACHMENT I – Planning Services scope of work, cost proposal and compensation for Engineering Services During the Planning Phase**

**ATTACHMENT II – Design Services scope of work, cost proposal and compensation for Engineering Services During the Design Phase**

**ATTACHMENT III – Construction Services scope of work, cost proposal and compensation for Engineering Services During the Construction Phase**

**ATTACHMENT IV – Operational Services scope of work, cost proposal and compensation for Engineering Services During the Operation Phase**

2. Compensation for ENGINEERING SERVICES shall be by the

**LUMP SUM** method of payment. The total amount of compensation for ENGINEERING SERVICES, as described in the appropriate ATTACHMENTS shall not exceed \$288,149.00, excluding gross receipt tax and reimbursables.

**STANDARD HOURLY RATE WITH MAXIMUM** method of payment. The total amount of hourly charges, excluding gross receipt tax and reimbursables, for ENGINEERING SERVICES as described in the appropriate ATTACHMENTS shall not exceed \$\_\_\_\_\_ without prior written approval of the OWNER, with Funding Agency concurrence.

3. Compensation for ADDITIONAL ENGINEERING SERVICES (provided by the ENGINEER upon written authorization from the OWNER and concurrence of the Funding Agency), shall be by the

**LUMP SUM** method of payment. The total amount of compensation for ADDITIONAL ENGINEERING SERVICES, as described in the appropriate ATTACHMENT shall not exceed \$\_\_\_\_\_, excluding gross receipt tax and reimbursables.

**STANDARD HOURLY RATE WITH MAXIMUM** method of payment. The total amount of hourly charges, excluding gross receipt tax and reimbursables, for ADDITIONAL ENGINEERING SERVICES as described in the appropriate ATTACHMENT shall not exceed \$\_\_\_\_\_ without prior written approval of the OWNER and with Funding Agency concurrence.

4. The amount of compensation shall not change unless the scope of services to be provided by the ENGINEER changes and this Agreement is formally amended according to Section A-5.

Contract Time under Section B. and for the purpose of Section A.8 shall be 180 calendar days for P3T01 after notice to proceed is received; 180 calendar days for P3T33 after notice to proceed is received; 60 calendar days for P4T33 after client and review agencies comments are received calendar days (or as specified in the Attachments).

5. The OWNER and ENGINEER agree that as mutually agreeable, reasonable Liquidated Damages for delay (but not as a penalty), ENGINEER shall pay OWNER fifty dollars (\$50.00) (minimum fifty dollars [\$50.00] per day) for each calendar day that expires after the Contract Time specified in the Agreement (See attached project schedule - Gantt chart, bar chart, etc.) until the Work is complete and accepted by the

OWNER. OWNER shall have no more than ten (10) calendar days to accept or reject the Work.

6. The ENGINEER agrees to obtain and maintain, at the ENGINEER's expense, such insurance as will protect the ENGINEER from claims under the Workman's Compensation Act and such comprehensive general liability and automobile insurance as will protect the OWNER and the ENGINEER from all claims for bodily injury, death, or property damage which may arise from the performance by the ENGINEER, or by the ENGINEER's employees, for the ENGINEER's functions and services required under this Agreement. Such insurance shall be in an amount not less than \$ 500,000 for injury to any one person and \$ 1,000,000 on account of any one accident and in the amount of not less than \$ 1,000,000 for property damage. The ENGINEER further agrees to procure and maintain professional liability (errors and omissions) insurance in an amount not less than \$ 1,000,000 per claim and in the aggregate. Prior to commencement of any work, the ENGINEER shall furnish to the OWNER a certificate that complies with this paragraph. The certificate shall provide that the policy shall not be canceled until at least ten (10) calendar days prior written notice shall have been given to the OWNER. ENGINEER shall provide annual updates of the certificate to demonstrate the policy remains in effect for the duration of this Agreement.

7. OWNER shall pay ENGINEER applicable gross receipt taxes and reimbursable expenses at the rates set forth in the appropriate ATTACHMENTS. The amounts payable to ENGINEER for reimbursable expenses will be the project related internal expenses, such as mileage, per diem and reproduction, actually incurred or allocated by ENGINEER, plus all invoiced external reimbursable expenses, including consultants, allocable to the project, the latter multiplied by a factor of 1.1 (1.1 MAXIMUM). Mileage will be reimbursed at the current federally approved IRS rate. Reimbursable expenses shall not exceed the estimate in the ATTACHMENT without prior written approval of the OWNER, with Funding Agency concurrence.

8. The method for interim or partial payments, such as milestone or time & materials, shall be: Invoices will be issued on a monthly basis reflecting the percentage complete to date.


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9. Signatures

IN WITNESS THEREOF, the parties hereto have executed, or caused to be executed, by their duly authorized officials, this Agreement in triplicate on the respective dates indicated below.

ATTEST: \_\_\_\_\_  
Type Name Dr. Kurt Anderson  
Title Secretary/Treasurer  
Date 02Jun16

OWNER: Doña Ana MDWCA  
By \_\_\_\_\_  
Type Name Mr. Jim Melton  
Title President  
Date 02Jun16

ATTEST:  \_\_\_\_\_  
Type Name Lilla J. Reid, P.E.  
Title Senior Design Manager  
Date 25May16

ENGINEER: Souder Miller & Associates  
By  \_\_\_\_\_  
Type Name Karl E. Tonander, P.G., P.E.  
Title Senior Vice-President  
Address 401 N. Seventeenth St., Ste 4  
Las Cruces, NM 88005  
Date 25May16

REVIEWED: FUNDING AGENCY  
NAME: \_\_\_\_\_  
By \_\_\_\_\_  
Type Name \_\_\_\_\_  
Date \_\_\_\_\_

## Summary of Cost Proposal

Souder, Miller & Associates

### Professional Services and Expenses Task/Hours/Fee Breakdown Related To

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**Project Description:** DAMDWCA WWTP Dist 5 Improvements  
**Project Number:** 6324321  
**Owner:** Doña Ana MDWCA  
**Date of Submittal:** May 25, 2016  
**Tax Rate on Services:** 8.3125%

<b>TOTALS</b>
---------------

<b>PHASE/ CATEGORY OF WORK</b>	<b>Subtotal</b>	<b>NMGRT</b>	<b>Total</b>
P3T01 Field Survey and Mapping- LS	\$ 34,387.00	\$ 2,858.42	\$ 37,245.42
P3T33 Preliminary Design- LS	\$ 186,282.00	\$ 15,484.69	\$ 201,766.69
P4T33 Final Design- LS	\$ 67,480.00	\$ 5,609.28	\$ 73,089.28
<b>TOTALS</b>	\$ 288,149.00	\$ 23,952.39	\$ 312,101.39



**EXHIBIT B.2 - COST PROPOSAL**

**Souder, Miller & Associates**

**Professional Services and Expenses Task/Hours/Fee Breakdown Related To**

**DATA COLLECTION SURVEY PHASE - BASIC ENGINEERING SERVICES**

**Project Description:** DAMDWCA WWTP Dist 5 Improvements  
**Project Number:** 6324321  
**Owner:** Doña Ana MDWCA  
**Date of Submittal:** May 25, 2016  
**Tax Rate on Services:** 8.3125%

Job Description	Senior Eng./Sur. Mgr. II	Project Eng./Sci. Mgr II	Eng/CAD Surv/Field Tech III	Admin II	GPS	Mileage	Expenses	Total SMA	Total Task
<b>Billing Rate per Unit</b>	\$ 150	\$ 120	\$ 80	\$ 65	\$ 20	\$ 0.540	\$ 1.00		
<b>Unit</b>	Hrs	Hrs	Hrs	Hrs	Hrs	Mi	Actual	\$	\$
<b>Task</b>									
<b>P3T01 Field Survey and Mapping- LS</b>									
Survey Plan / Instructions		3						\$ 360	
Project Meetings	2	2	2					\$ 700	
Survey Research:									
Utility Locations		2						\$ 240	
Data Collection		1						\$ 120	
Perform Field Survey									
Topo		24	24		24	30	90	\$ 5,386	
Existing Plant	8	48	48		48	40	60	\$ 11,842	
Clarifier		8	8		8	10	30	\$ 1,795	
Disinfection/Blowers		2	2		2	10	15	\$ 460	
Filter		2	2		2	10	15	\$ 460	
Dewatering		8	8		8	10	30	\$ 1,795	
Storage Ponds, initial		16	16		16	20	60	\$ 3,591	
Storage Ponds, prior to bid		16	16		16	20	60	\$ 3,591	
Fencing		6	6		6	20	30	\$ 1,361	
Establish Utility Locations		2						\$ 240	
Tie to Control Points		2				10		\$ 245	
Download Data / Tins & Contours		4	2					\$ 640	
Prepare Design Mapping		4	10					\$ 1,280	
Invoicing and PM	1			2				\$ 280	
<b>Subtotal Hours:</b>	11	150	144	2	130	180	390	\$ 34,387	<b>\$ 34,387</b>
<b>Subtotal Cost:</b>	\$ 1,650	\$ 18,000	\$ 11,520	\$ 130	\$ 2,600	\$ 97	\$ 390	\$ 34,387	

**Total Cost of Data Collection Survey Services: \$ 34,387**

**EXHIBIT B.2 - COST PROPOSAL**

**Souder, Miller & Associates**

**Professional Services and Expenses Task/Hours/Fee Breakdown Related To**

**PRELIMINARY DESIGN PHASE - BASIC ENGINEERING SERVICES**

**Project Description:** DAMDWCA WWTP Dist 5 Improvements  
**Project Number:** 6324321  
**Owner:** Doña Ana MDWCA  
**Date of Submittal:** May 25, 2016  
**Tax Rate on Services:** 8.3125%

Note: Figures in this table do not include tax.

Job Description	Principal	Senior Design Manager	Senior Eng./Sur. Mgr. II	Project Eng./Sci. Mgr II	Sr. Eng. Des./Surv. Tech IV	Admin III	Mileage	Expenses	Total SMA	Sub Contracts	Total Task
Billing Rate per Unit	\$ 190	\$ 170	\$ 150	\$ 120	\$ 95	\$ 80	\$ 0.540	\$ 1.00			
Unit	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Mi	Actual	\$	\$	\$
Task											
<b>P3T33 Preliminary Design- LS</b>											
Client Interview / Programming			1						\$ 150		
Project Management Plan			2	8		1		50	\$ 1,390		
Start-Up Meeting Preparation			1			1			\$ 230		
Start-Up Meeting w/ Design Team			1	1	1				\$ 365		
Meetings w/ Client		4	8	1			60	50	\$ 2,082		
Dwg / Detail Plan / Spec Outline			1	2					\$ 390		
Team Meeting Preparation			3			2		50	\$ 660		
Design Team Meeting	1	4	5	5	5			50	\$ 2,745		
Geotechnical Report		1	7	1					\$ 1,340	\$ 17,160	
Preliminary Design (Below):									\$ -		
Cover			0.5	1	4				\$ 575		
Index / Notes			0.5	2	4				\$ 695		
Abbreviations / Legend			0.5	2	4				\$ 695		
Survey Control			0.5	2	4				\$ 695		
Key Map			0.5	2	4				\$ 695		
Stormwater Controls		0.6	2	4	16				\$ 2,402		
Design Criteria and Flow Schematic		0.3	1	3	8				\$ 1,321		
Existing Site Plan		0.3	1	3	8				\$ 1,321		
Existing Piping Plan/As-Built		0.6	2	6	24				\$ 3,402		
Proposed Site Plan		0.6	2	6	16				\$ 2,642		
Hydraulic Profile		0.6	2	6	16				\$ 2,642		
Yard Piping		0.3	1	3	8				\$ 1,321		
Pipe Profiles		1.2	4	12	32				\$ 5,284		
Yard Piping Schedule		0.3	1	3	8				\$ 1,321		
Grading		0.6	2	6	16				\$ 2,642		
Generator and Pad Plan		0.6	2	6	16				\$ 2,642	\$ 2,750	
Utilities		0.6	2	6	16				\$ 2,642		
WWTP Instrumentation		1.2	4	12	32				\$ 5,284	\$ 2,420	
Aeration Basin- Stage I M		1.5	5	15	40				\$ 6,605		
Aeration Basin- Stage II M		1.5	5	15	40				\$ 6,605		
Clarifier S, M, E		2.4	8	24	64				\$ 10,568	\$ 1,650	
Digester M, E		0.6	2	6	16				\$ 2,642	\$ 1,650	
Filters S, M, E		1.2	4	12	32				\$ 5,284	\$ 1,760	
Disinfection S, M, E		0.6	2	6	16				\$ 2,642	\$ 880	
Effluent Storage		1.8	6	18	48				\$ 7,926		
Reuse Pump Plan		0.6	2	6	16				\$ 2,642		
Sludge Dewatering S, M, E		1.5	5	15	40				\$ 6,605		
Weirs and Gates		0.3	1	3	8				\$ 1,321		
Walkways and Railing		0.6	2	6	16				\$ 2,642		
Plant Water System		0.3	1	3	8				\$ 1,321		
Plant Drainage System		0.3	1	3	8				\$ 1,321		
Blowers S, M, E		1.2	4	12	32				\$ 5,284	\$ 2,500	
Plant Air System		0.9	3	9	24				\$ 3,963		
Fencing		0.3	1	3	8				\$ 1,321		
Demolition Plan		1.5	5	15	40				\$ 6,605		
Details		3	10	30	80				\$ 13,210		
Schedule of values / OPCC			8	24	6				\$ 4,650		
Coordination w/ Utility Comps				3			20		\$ 371		
Permitting Requirements			6	12			20		\$ 2,351		
In-House Quality Control	8		22						\$ 4,820		
Production				4	10	6		200	\$ 2,110		
Design Review		8		24					\$ 4,240		
Invoicing and PM		2	1			5			\$ 890		
<b>Subtotal Hours:</b>	9	46.9	161.5	371	794	15	100	400	\$ 155,512	\$ 30,770	\$ 186,282
<b>Subtotal Cost:</b>	\$ 1,710	\$ 7,973	\$ 24,225	\$ 44,520	\$ 75,430	\$ 1,200	\$ 54	\$ 400	\$ 155,512		\$ 186,282

**Total Cost of Preliminary Design Phase Services: \$ 186,282**

**EXHIBIT B.2 - COST PROPOSAL**

**Souder, Miller & Associates**

**Professional Services and Expenses Task/Hours/Fee Breakdown Related To**

**FINAL DESIGN PHASE - BASIC ENGINEERING SERVICES**

**Project Description:** DAMDWCA WWTP Dist 5 Improvements  
**Project Number:** 6324321  
**Owner:** Doña Ana MDWCA  
**Date of Submittal:** May 25, 2016  
**Tax Rate on Services:** 8.3125%  
 Note: Figures in this table do not include tax.

Job Description	Principal	Senior Design Manager	Senior Eng./Sur. Mgr. II	Project Eng./Sci. Mgr II	Sr. Eng. Des/Surv. Tech IV	Admin III	Mileage	Expenses	Total SMA	Sub Contracts	Total Task
<b>Billing Rate per Unit</b>	\$ 190	\$ 170	\$ 150	\$ 120	\$ 95	\$ 80	\$ 0.540	\$ 1.00			
<b>Unit</b>	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Mi	Actual	\$	\$	\$
<b>Task</b>											
<b>P4T33 Final Design- LS</b>											
R/W & Utility Adjustment Req s			1	2					\$ 390		
Team Meeting Preparation				1					\$ 120		
Team Meeting	1		1	1	1			20	\$ 575		
Utility Coordination				2			20		\$ 251		
Final Design (Below):									\$ -		
Cover				0.6	1				\$ 167		
Index / Notes				0.6	1				\$ 167		
Abbreviations / Legend				0.6	1				\$ 167		
Survey Control				0.6					\$ 72		
Key Map				0.6	2				\$ 262		
Stormwater Controls		0.4	0.8	1.2	4				\$ 712		
Design Criteria and Flow Schematic		0.2	0.4	0.6	2				\$ 356		
Existing Site Plan		0.2	0.4	0.6	2				\$ 356		
Existing Piping Plan/As-Builts		0.4	0.8	1.2	4				\$ 712		
Proposed Site Plan		0.4	0.8	1.2	4				\$ 712		
Hydraulic Profile		0.4	0.8	1.2	4				\$ 712		
Yard Piping		0.2	0.4	0.6	2				\$ 356		
Pipe Profiles		0.8	1.6	2.4	8				\$ 1,424		
Yard Piping Schedule		0.2	0.4	0.6	2				\$ 356		
Grading		0.4	0.8	1.2	4				\$ 712		
Generator and Pad Plan		0.4	0.8	1.2	4				\$ 712		
Utilities		0.4	0.8	1.2	4				\$ 712		
WWTP Instrumentation		0.8	1.6	2.4	8				\$ 1,424		
Aeration Basin- Stage I S, M		1	2	3	10				\$ 1,780		
Aeration Basin- Stage II S, M		1	2	3	10				\$ 1,780		
Clarifier S, M, E		1.6	3.2	4.8	16				\$ 2,848		
Digester S, M, E		0.4	0.8	1.2	4				\$ 712		
Filters S, M, E		0.8	1.6	2.4	8				\$ 1,424		
Disinfection S, M, E		0.4	0.8	1.2	4				\$ 712		
Effluent Storage		1.2	2.4	3.6	12				\$ 2,136		
Sludge Dewatering S, M, E		1	2	3	10				\$ 1,780		
Reuse Pump Plan		0.4	0.8	1.2	4				\$ 712		
Weirs and Gates		0.2	0.4	0.6	2				\$ 356		
Walkway and Railing		0.4	0.8	1.2	4				\$ 712		
Plant Water System		0.2	0.4	0.6	2				\$ 356		
Plant Drainage System		0.2	0.4	0.6	2				\$ 356		
Blowers S, M, E		0.8	1.6	2.4	8				\$ 1,424		
Plant Air System		0.6	1.2	1.8	6				\$ 1,068		
Fencing		0.2	0.4	0.6	2				\$ 356		
Demolition Plan		1	2	3	10				\$ 1,780		
Details		2	4	6	20				\$ 3,560		
Prepare Technical Specifications	8		30	80		1		80	\$ 15,780		
Prepare Contract Documents			8	24		1		80	\$ 4,240		
Adjusted OPCC		2		4					\$ 820		
Production				1	8	5	20	250	\$ 1,541		
Address Client/Agency Comments		3	8	10	12				\$ 4,050		
In-House Quality Control	2		12						\$ 2,180		
Design Review		8		12					\$ 2,800		
Invoicing and PM		1	2			4			\$ 790		
<b>Subtotal Hours:</b>	<b>11</b>	<b>32.6</b>	<b>99.2</b>	<b>195.8</b>	<b>212</b>	<b>11</b>	<b>40</b>	<b>430</b>	<b>\$ 67,480</b>	<b>\$ -</b>	<b>\$ 67,480</b>
<b>Subtotal Cost:</b>	<b>\$ 2,090</b>	<b>\$ 5,542</b>	<b>\$ 14,880</b>	<b>\$ 23,496</b>	<b>\$ 20,140</b>	<b>\$ 880</b>	<b>\$ 22</b>	<b>\$ 430</b>	<b>\$ 67,480</b>		

**Total Cost of Final Design Phase Services: \$ 67,480**



*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*

**Doña Ana Mutual Domestic Water Consumers Association**

**COUNTY OF DOÑA ANA**

**Resolution No. 2016 – 07**

**A RESOLUTION ADOPTING AN INFRASTRUCTURE CAPITAL IMPROVEMENT PLAN  
(ICIP) FOR FY 2018-2022**

WHEREAS, the Board of Directors of Doña Ana Mutual Domestic Water Consumers Association recognizes that the financing of public capital projects has become a major concern in New Mexico and nationally; and

WHEREAS, in times of scarce resources, it is necessary to find new financing mechanisms and maximize the use of existing resources; and

WHEREAS, systematic capital improvements planning is an effective tool for communities to define their development needs, establish priorities and pursue concrete actions and strategies to achieve necessary project development; and

WHEREAS, this process contributes to local and regional efforts in project identification and selection in short and long range capital planning efforts.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION that:

1. The Board of Directors has adopted the attached Infrastructure Capital Improvement Plan, and
2. It is intended that the Plan be a working document and is the first of many steps toward improving rational, long range capital planning and budgeting for New Mexico's infrastructure.
3. This Resolution supersedes Resolution No. 2015 - 12

PASSED, APPROVED and ADOPTED by the Board of Directors at its special meeting of June 2, 2016.

(Seal)

\_\_\_\_\_  
James F. Melton, President

ATTEST:

\_\_\_\_\_  
Kurt Anderson, Secretary/Treasurer

## Infrastructure Capital Improvement Plan FY 2018-2022

### Dona Ana MDWCA Project Summary

ID	Year	Rank	Project Title	Category	Funded to date						Total	Amount	Phases?
						2018	2019	2020	2021	2022	Project Cost	Not Yet Funded	
17073	2018	001	WW SE Area Collect. System	Wastewater	667,643	3,307,357	2,575,000	2,577,000	2,587,000	3,112,000	14,826,000	14,158,357	Yes
30473	2018	002	Via Norte Waterline Improvements	Water Supply	0	1,025,000	0	0	0	0	1,025,000	1,025,000	No
30476	2018	003	Sewer Line Improvements in Picacho Hills Arroyo	Wastewater	0	339,000	0	0	0	0	339,000	339,000	No
16986	2018	004	Westwind Water Distribution System	Water Supply	0	847,032	0	0	0	0	847,032	847,032	No
26132	2018	005	Riverwalk	Water Supply	0	516,000	0	0	0	0	516,000	516,000	No
17150	2018	006	South Doña Ana Rd. Water System Improvements	Water Supply	0	932,500	0	0	0	0	932,500	932,500	No
15197	2018	007	Barela Loop Water System Improvements Project	Water Supply	0	829,000	0	0	0	0	829,000	829,000	No
17153	2018	008	Shalem Colony Water Improvements Project	Water Supply	0	384,275	0	0	0	0	384,275	384,275	No
30520	2018	009	Lift Station and Force Main Line Improvements	Wastewater	0	921,000	0	0	0	0	921,000	921,000	No
25470	2018	010	South Doña Ana Rd FM	Wastewater	0	0	1,928,000	0	0	0	1,928,000	1,928,000	No
17053	2019	001	East Central Area Collection System	Wastewater	0	0	4,920,500	3,505,000	5,508,000	5,508,000	19,441,500	19,441,500	Yes
25468	2019	002	West Mesa Water Service Project	Water Supply	0	0	8,056,000	0	0	0	8,056,000	8,056,000	No
28257	2019	003	South Tank Rehab	Water Supply	0	0	360,000	0	0	0	360,000	360,000	No
17158	2019	004	Replacement Well	Water Supply	0	0	427,750	0	0	0	427,750	427,750	No

## Infrastructure Capital Improvement Plan FY 2018-2022

15774	2019	005	Ground Water Rights	Water Rights	0	0	200,000	200,000	200,000	200,000	800,000	800,000	Yes
15820	2019	006	Surface Water Rights	Water Rights	0	0	150,000	150,000	300,000	300,000	900,000	900,000	Yes
17152	2019	007	North Tank Water System Improvements Project	Water Supply	0	0	1,885,500	0	0	0	1,885,500	1,885,500	No
17156	2019	008	West Trails End Water Improvements Project	Water Supply	0	0	166,808	0	0	0	166,808	166,808	No
16981	2019	009	Trails End Collection Sys.	Wastewater	0	0	2,590,000	2,550,000	2,550,000	5,800,000	13,490,000	13,490,000	Yes
17159	2019	010	Replacement Well No. 10	Water Supply	0	0	409,751	0	0	0	409,751	409,751	No
15739	2020	001	Picacho Area Collect. Sys.	Wastewater	0	0	0	1,185,000	1,185,000	4,450,000	6,820,000	6,820,000	Yes
17118	2020	002	New 2 Million Gallon South Tank	Water Supply	0	0	0	2,007,320	0	0	2,007,320	2,007,320	No
17070	2020	003	Del Rey Area Collect. Sys.	Wastewater	0	0	0	9,914,100	0	0	9,914,100	9,914,100	Yes
17046	2020	004	Jornada Area Collect. Sys.	Wastewater	0	0	0	14,937,000	0	0	14,937,000	14,937,000	Yes
17051	2021	001	Westmoreland Area Collect. Sys.	Wastewater	0	0	0	0	10,687,300	0	10,687,300	10,687,300	Yes
17132	2021	002	Rocca Secca Collect. Sys.	Wastewater	0	0	0	0	10,445,400	0	10,445,400	10,445,400	Yes
15738	2021	003	Westwind Collect. Sys.	Wastewater	0	0	0	0	11,915,000	0	11,915,000	11,915,000	Yes
15740	2021	004	Ft Selden Area Collect. Sys.	Wastewater	0	0	0	0	9,191,200	0	9,191,200	9,191,200	Yes
17050	2022	001	SW Treatment Plant, Phase I	Water Supply	0	0	0	0	0	6,810,000	6,810,000	6,810,000	No

Number of projects: 29

	Funded to date:	Year 1:	Year 2:	Year 3:	Year 4:	Year 5:	Total Project Cost:	Total Not Yet Funded:
<b>Grand Totals</b>	667,643	9,101,164	23,669,308	37,025,420	54,568,900	26,180,000	151,212,432	150,544,800



*Doña Ana Mutual Domestic Water Consumers Association*  
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**RESOLUTION # 2016 – 08**

**A RESOLUTION AUTHORIZING THE MATCH FOR CIF-3507 FOR DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION.**

**WHEREAS, the New Mexico Finance Authority, requires the local government to certify the availability of 10% matching funds; and**

**WHEREAS, the Board of Directors of Doña Ana Mutual Domestic Water Consumers Association, New Mexico, has authorized a 10% match for CIF - 3507; and**

**WHEREAS the official meeting for the approval of the matching funds was advertised in compliance with the New Mexico Open Meetings Act; and**

**NOW, THEREFORE BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION, NEW MEXICO:**

1. Certifies the availability and allocation of the Associations funds for the ten percent (10%) matching requiring in the amount of \$120,000 for CIF – 3507.

**APPROVED, ADOPTED AND PASSED by the Board of Directors at the Regular Board Meeting held on June 2, 2016.**

(Seal)

\_\_\_\_\_  
James F. Melton, President

ATTEST:

\_\_\_\_\_  
Kurt Anderson, Secretary/Treasurer



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

**RESOLUTION # 2016-09**

**A RESOLUTION ADOPTING THE RATE ANALYSIS AND RATE CHANGE FOR WATER AND WASTEWATER**

**WHERE AS,** the Board of Directors of Doña Ana Mutual Domestic Water Consumers Association (“Association”), Doña Ana, New Mexico, has reviewed the Rate Analysis for water and wastewater; and

**WHEREAS,** said Rate Analysis was developed as a financial plan to determine cash needs, reserves, revenue requirements, and anticipated timing of utility costs in order to ensure adequate funds are available to meet these requirements as they occur.

**WHEREAS,** as a result of the Rate Analysis it is determined that a change in the usage schedule of the rates is necessary in order to generate sufficient revenue to insure continued sustainability of the Association.

**WHEREAS** an official meeting of the Board of Directors for the review of the Rate Analysis was advertised in compliance with the New Mexico Open Meetings Act; and

**WHEREAS** it is the majority opinion of this Board that the proposed Rate Analysis and subsequent Rate Increase meets the requirements as currently determined for the Association.

**NOW, THEREFORE BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF DOÑA ANA MUTUAL DOMESTIC WATER CONSUMERS ASSOCIATION, DOÑA ANA, NEW MEXICO:**

1. The accompanying Rate Analysis will be the approved Rate Analysis and Rate Change effective beginning with the fiscal year 2017 for Doña Ana Mutual Domestic Water Consumers Association.
2. The Board of Directors will review the rates annually to insure the Association continues to be self-sustaining.
3. The Resolution # 2016 – 09 overrides any and all other existing Rate Analysis

**PASSED, APPROVED and ADOPTED** by the Board of Directors at its regular meeting of June 2, 2016.

(Seal)

\_\_\_\_\_  
James F. Melton, President

**ATTEST:**

\_\_\_\_\_  
Kurt Anderson, Secretary/Treasurer



March 16, 2016

The Honorable Jim Melton, Chairperson  
Doña Ana Mutual Domestic Water Consumers Association  
5535 Ledesma Drive  
PO Box 866  
Doña Ana, NM 88032

Subject: User Charge Analysis Report

Dear Mr. Melton:

Attached is your rate analysis report package. Before I address that, I want to say this to you, the board and everyone else who will read this.

Jennifer Horton, your Executive Director, was great to work with. She was always patient, courteous, helpful and willing to dig for the data I needed. I developed first drafts of the rate analysis models and she helped me tailor them to your needs. I had left consideration of bulk water sales out of the original report and water model so with her help I have since added them to the revised report package. Ms. Horton supplied lots of insight into what is likely to happen in the future so I could hone the models and be as accurate as possible. I appreciate getting help from folks like her. I think the Association's members are well-served having such a fine person looking out for them.

As for the report package, it is a bit long and parts of it are complex. Fortunately, the majority of the analysis models are the same for both utilities except for the actual data for each. Thus, once you have read through and get a fair understanding of the water rate analysis model, you should be able to move through the sewer model pretty quickly and easily. And, whatever seems to be a bit difficult to figure out now, I can describe in person when I meet with you and the board soon.

Finally, I am sure you and the board members know of cities and other associations that also need rate setting help. As you run into these folks, I hope you will tell them about me. I get almost all of my business by referrals from past clients and I hope to be able to trace several future clients back to my work with you.

Best regards,  
GettingGreatRates.com



Carl E. Brown  
President

Enclosures



# Water and Sewer Rate Analysis Report

## Dona Ana Mutual Domestic Water Consumers Association Las Cruces, New Mexico

Prepared March 16, 2016

Carl Brown, President  
GettingGreatRates.com, LLC

### Executive Summary

GettingGreatRates.com analyzed the water and sewer rates of the Dona Ana Mutual Domestic Water Consumers Association, Las Cruces, New Mexico. The water utility has strong reserves, overall, rates need to go up only slightly and be restructured significantly. The sewer utility has adequate reserves, overall, rates need to go up modestly and be restructured modestly. This report lays out how rates should be adjusted to achieve these goals.

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## Introduction

In 2015, the Dona Ana Mutual Domestic Water Consumers Association, Las Cruces, New Mexico, later called “the Association” or “you,” hired GettingGreatRates.com, later called “me” or “I” to perform rate analyses. These analyses will serve as guidance for the Association in its efforts to set and maintain adequate and fairly structured user charges and other fees for its water and sewer utilities.

Rate analysis revealed and I am pleased to report that the water rates, overall, are almost high enough to pay the system’s expected costs and build appropriate reserves for 2016. However, there are a few things about the rate structure that I recommend you change. Those are detailed in later subsections of this report.

The sewer rate revenues need to go up slightly more and the rate structure should be revised somewhat, as well. Again, these things will be detailed in later subsections.

The report package is composed of two sections; a narrative report and printouts of the rate analysis models:

1. The narrative report describes what should be done to each utility’s rates and why. The narrative report covers issues in this order: principles, general issues and general action recommendations that apply to both utilities. Next is a water subsection that covers significant specific issues and my rate and policy recommendations for water. Last is a sewer subsection that covers the sewer-related issues. In the interest of brevity, when an issue that applies to the water utility also applies to the sewer utility, I will only mention it in the sewer subsection of the report.
2. The second section of the report package is printouts of the spreadsheet models. These are simply a set of integrated calculations that mathematically depict or “model” the utilities’ situations in order to arrive at the recommended rates for each. The models are named “Dona Ana MDWCA, Water Rates Scenario 2016-3” and “Dona Ana MDWCA, Sewer Rates Scenario 2016-2.” Later in this report these names will be shortened to “Water Scenario 3” and “Sewer Scenario 2,” respectively. Within each subsection of the narrative report the applicable model will often simply be referred to as “the model.” To be clear, there are no “Scenario 1s” or “Scenario 2” for water to report to you. In drafting up models, I create preliminary model versions. I have since progressed beyond those versions, so to keep them straight, I rename later model versions.

As you read this report, please keep this in mind. This report does not *direct* the Association to do anything. Actions you take or do not take are strictly up to you. The report is meant to inform and educate so you can make well-informed decisions about actions to take. And the report and model are not legal recommendations. For legal issues consult your attorney.

## Principles

I use several guiding principles when I help systems set their utility rates, fees and policies. As you read the report and the analysis models, keep in mind that my recommendations have been weighed against these principles:

1. Water, sewer and all other utilities are businesses, regardless of who owns them. Businesses must cash flow properly.
2. In addition to functioning in a business-like manner, a utility has a responsibility to its customers to nearly guarantee its long-term prosperity for their benefit. The customers expect the service to be there whenever they want to use it. Thus, a utility must err on the conservative side by maintaining strong reserves that will enable it to weather financial storms.
3. If a service costs the utility money, the utility should recover that cost from the most logical "person" if that makes good business and community administration sense. For example, generally "growth should pay for growth." Developers should fairly pay for their consumption of utility capacity by paying commensurate tap fees. Likewise, service users should pay for their use. Each user or class of users should pay their fair share of service costs.
4. Sometimes contradicting point 3 above, if adjusting a rate, fee or policy will turn currently "good" customers into "bad" customers, consider the necessity of the change carefully before making it. For example, while it may be warranted, raising the minimum charge markedly to your residential customers may make it very difficult for fixed, low-income customers to pay their water bills. That may cause more of them to pay late or not pay at all. That may trigger the utility's processes of having the utility attorney write threatening letters to those customers and eventually require shutoff of service. Thus, in the attempt to generate more net revenue by raising rates, net revenues may actually go down due to non-payment and payment collection costs.

## General Issues

Reserves, depicted in several ways, are shown near the bottom of Table 6 of each model. If the recommended rates are adopted, total reserves for both utilities are projected to remain positive for the next 10 years although the sewer reserves will be weak for a few years, starting in a couple of years.

Regarding the analysis methodology, I analyzed the financial condition of each utility, considering operating costs, capital improvement needs over the next 10 years, an estimation of equipment repair and replacement needs over the next 20 years and many other issues. I also classified costs by their nature: fixed, variable and capacity-to-serve related, to determine each utility's cost structure. The classified costs were used to calculate rate structures that would be proportional to the cost structures of each utility.

Said another way, these rates would have customers pay minimum, minimum surcharges and unit charges based upon the costs they cause the Association to incur on their behalf. The result is a set of recommended rates as well as recommendations for future inflationary increases. This report covers all these issues in detail.

Concerning construction of the models, for both utilities the models are essentially the same, only being customized as needed to fit the differences of the different types of utilities. The models were built to match the systems' actual financial statements as much as possible. However, the intent of rate modeling is to see to it that the resulting rates are adequate to pay all system expenses for the next 10 years, build and maintain responsible reserves and collect fees from customers on a fair basis. Because incomes and expenses in your financial statements were not always grouped in such a way as to enable proper rate calculation, the models do not always match your statements.

Several line graph charts in the analysis models graphically depict some things which would be difficult to pick out of the tables. In all the charts the **blue line** represents what would happen under the **recommended** rates and the **red line** under the **current** rates. Trends for the red lines are (generally) bad. Those for the blue lines are (generally) good. Review the definitions section of the model to learn the meaning of terms used in the charts.

As you set and later reset rates I suggest you follow the guidance I give in my book, "How to Get Great Rates." I gave a copy to Jennifer Horton so check with her about reviewing it. I suggest you also use the "Replacement Scheduler<sup>®</sup>" spreadsheet for future equipment replacement scheduling. That is available for free download from my Web site.

## Action Recommendations for Policy and General Issues

*Use the following as a checklist of "to-do" tasks. Many if not all of these things you are already doing but they bear repeating.*

- 1. Determine how long, on average, it takes to perform the various services you provide in the field, such as after-hours service, meter disconnects and reconnects, special meter readings, etc. Be sure to include all the time you actually pay staff for performing these services. Then determine how much it costs the utility per hour, on average, to have staff perform these services. This includes benefits, taxes, use of utility vehicles, tools and minor equipment, etc. It should also include a fair amount to cover the time that office staff devotes to working on these services to track them, bill for them, etc. This should be the hourly rate you will charge for these services. In addition, set a minimum that you will charge for showing up, whether the service takes an hour to perform or 10 minutes. In essence, set your fees in the same way plumbers and similar technicians do – a set fee for showing up, which buys the customer a set amount of time, and an hourly rate if the job takes longer than the show up charge will cover. While accounting for time and other investments in the various functions is important, do not make the process burdensome. For many functions you likely can just estimate your time occasionally and charge fees based upon those estimates.*
- 2. Retain required funds in interest bearing debt service and debt reserve accounts when required by your lender(s).*

3. *Modify your current late payment/non-payment ordinance language so that it effectively accomplishes what is described in the following bullet points:*
  - *If payment is insufficient to cover all amounts billed for water, sewer and any other services received by a customer, plus any other fees assessed by the Association, the payment will first be applied to non-water services in the order specified by the Association and last to water service.*
  - *A late payment penalty of 10 percent of the outstanding balance or \$10.00, whichever is greater, will be assessed to the customer's account each month.*
  - *Water service, and any other service that is in arrears, will be shut off in accordance with, and at the earliest time allowed by State law.*
  - *Reconnection after non-payment will only be done after the customer has paid all fees and penalties owed, plus a reconnection fee that is 50 percent higher than the usual reconnection fee after shutoff to make repairs, transfer property to a new owner, change tenants and similar events not related to non-payment.*
  - *If a customer is disconnected for non-payment a second time in a one-year period, in addition to the above fees and penalties, you should collect an additional deposit from that customer in an amount you deem appropriate. Such deposit should only be expended to pay the customer's outstanding bill, fees and penalties in the case where the outstanding bill, fees and penalties cannot be collected. A customer moving away without paying is such a circumstance this deposit is meant to guard against.*
4. *Have me conduct a full rate analysis again when your actual financial performance and my projections diverge significantly. That may be up to five years from now or whenever a new, large financial upset or change is looming.*
5. *Start adopting management strategies that are included in what is most commonly called, "advanced asset management." These strategies can yield better service and reduced costs for utilities, especially those looking to build new facilities or replace existing facilities soon. Visit [gettinggreatrates.com/](http://gettinggreatrates.com/) for more information on asset management or call me to discuss how the utility can move into asset management.*
6. *Continue to track your volume usage, incomes and expenses on a regular basis so the data and information you generate will support future rate adjustments.*
7. *As a reminder, check with your attorney for language and legality of all charges and issues discussed.*



## Water Utility Discussion

Water rate revenues are currently only slightly too low so overall, rates need to go up only slightly. More important, rates should be restructured so they will be fairer.

Quite importantly, you are growing rather rapidly so it is important that you set and maintain adequate rates that include paying for system improvements caused by growth.

### System Improvements and Debt Service

You have been doing system improvements and expansion over the years, some that are quite expensive, with more to come. Therefore, debt service, at approximately 20 percent of your total operating costs, is and will remain an important but not overbearing driver of rates and rate structure. Capital improvements and debt are modeled in Table 4, page 36.

### Variable Minimum Charge

Currently, the minimum charge is at one level during a month a residential customer uses less than 10,000 gallons and it is higher during a month when they use more. I have never seen such a rate structure before, but I understand at least one of its effects. Such a structure at least partially gets at the idea that when a customer uses more volume, they effectively are obligated more of the built capacity of the system to provide that flow. Quite simply, higher flows require the system to be built larger and more complex so it is fair that those who cause this situation should pay for it.

Fortunately, there is a much fairer and exact way to get at this problem – meter size-based minimum charges. That method is discussed in the following subsection.

### Tap-on Fees and Capacity Surcharges

In water utilities, the cost of capacity to serve customers is substantial and it varies from customer to customer. Fortunately, as revealed by studies conducted by the American Water Works Association, sustainable maximum flow capacity of the various water meter sizes is quantifiable.

Peak flow capacity is almost directly related to the costs associated with building system capacity to satisfy peak flows. Thus, it is fairly simple to calculate tap-on and capacity surcharges based upon the peak flow capacity of each meter size. This results in tap-on fees, minimum charges and surcharges that treat customers as fairly as we can mathematically calculate. In these calculations we included bulk water sales through hydrants that are typically metered with a two-inch meter. Thus, bulk water customers will also pay minimum charges based upon the water meter size they draw water from. No method of distributing capacity costs is perfect but this one is mathematically fair, repeatable and not subjective.

Capacity costs can be recovered in three main ways:

1. Capacity costs can be disregarded, resulting in recovering them through regular user fees and a “one-size-fits-all” tap-on fee. This is not particularly fair but in very small utilities that serve mainly small meter customers and few large meter customers, the real effect on customers is minimal. Think of it like this. If every customer uses the same volume as every other customer, it really doesn’t matter if you assess too much or too little on the minimum charge versus the unit charge because everyone’s bill will be the same anyway. Thus, convenience and consistency can make this the better rate structure option for small utilities with few large meter customers. Unfortunately, your water system is fairly large and you have a significant number of large meter customers. And, there is wide variation in the volumes customers use. Therefore, I recommend meter size-based minimum and tap-on fees in your case.
2. Meter size-based tap-on fees – These were modeled to target recovering 25 percent of the system’s capacity costs, as shown in Table 5, page 37 of the model. The resulting tap-on fees are shown in Table 9, page 61. I chose to model recovering this somewhat small percentage of your capacity costs with meter size-based tap-on fees for a couple of important reasons. You do not currently assess these fees in this way so I wanted to move you more gradually to such a structure. And, your costs of making new connections, such as the cost of materials and labor, are almost as high as the fee for the smallest meter size connection. But because your competition for new development prices new taps slightly below this level, I did not want to put you in a competitive disadvantage to attract development. In future years you can and probably should target recovering a higher percentage of your tap-on costs with such fees.
3. Meter size-based capacity surcharges – These charges do the same thing that meter size-based tap-on fees do. The difference is tap-on fees collect revenue up front, at the time of connection to the system. Surcharges collect revenue over time as customers use the system. These fees were also modeled to recover the other 75 percent of the capacity-related part of the system’s depreciation, as shown near the bottom of Table 10, page 62. In the future, if you increase the percentage of tap-on costs recovered by tap-on fees, you should consider reducing capacity surcharges to offset them.

## Target Reserve Levels

Most systems serving fewer than 5,000 connections should have reserves at least as high as the sum of the following:

- Unobligated cash and cash equivalent reserves equal to at least 35 percent of the annual operating costs, not including debt service;
- A 20-year repair and replacement (R&R) schedule reserve, in the 20<sup>th</sup> year equal to at least one average year’s cost of R&R; and

- Capital improvement reserves in the tenth year that are adequate to cover the next year's debt payments, the debt coverage requirement and at least 10 to 20 percent of the capital improvements expected during that 10-year period.

When starting reserves total less than the levels above, I model rates that will enable amassing such a level of total reserves. Fortunately, your current water reserves are higher than that. Therefore, I modeled rates that will enable you to have that same level of total reserves, indexed up to cover inflation, in the tenth year. Lines on the bottom of Table 6, page 38, of the model show your reserve balances expected for the next 10 years.

## Change the Rate Structure

There are a few things about the rate structure I recommend you change:

- As mentioned before, I have never seen a minimum charge structure that “jumped up” during any month that a customer's water usage went over some limit like yours. I recommend you drop this structure and instead have minimum charges based upon water meter size.
- The conservation rates (inclining) unit charges, with eight rate blocks, are much more complex than they should be. I recommend you reduce that to four rate blocks. My normal recommendation is no more than three rate blocks.

In your case, I recommend rates that assess minimum charges based upon meter size and one set of inclining unit charges assessed to all customers, including bulk water users.

With this rate structure there would be no rate structure difference between the rates for a single family home, an apartment, a hotel, a restaurant or any other type of customer, or a high volume or low volume customer. Everyone would pay fees based only upon their meter size and volume of use. Thus, such rates are not based upon who you are but upon how much you use and how you are served (meter size).

## Rate Affordability

As shown near the top of Table 6, page 38 and graphically in Chart 4, page 58, the affordability index of your current rates, at 1.12 percent. That is close to the approximate national average of 1.0 percent. After a temporary modest drop, the rates in Water Scenario 3 would raise the affordability index just a few percentage points.

Affordability Index: The monthly charge for (typically) 5,000 gallons of residential service divided by the median monthly household income for the area served by the system. An index of 1.0, meaning a household pays one percent of its income to pay its bill for 5,000 gallons of service, is generally considered affordable. Affordability index is a primary factor in determining grant and loan eligibility and grant amount.

Table 7 of Water Scenario 3, page 39, shows how most customers' bills will be affected by the recommended rates. Due to reducing the number of conservation rate blocks from eight to four and adding a capacity surcharge, high and low-volume customers' bills, and small and large meter customers' bills, will be affected very differently. Some of those customers who will see large bill increases under the new rates will naturally think that they are going to be treated unfairly by the new rates. In fact, under the current rates those customers' bills are being subsidized by other customers right now so the new rates will correct the current rate unfairness, not create new unfairness.

## Recommendations for Water Rates

Water Scenario 3 contains all of my rates-related recommendations and shows what they are built upon. However, the model is complex, plus it does not cover policy issues. Therefore, I have summarized my recommendations as follows:

1. *You should assess to customers the meter size-based monthly minimum charges shown in Table 1 that follows this list and unit charges shown in Table 2.*
2. *The calculations assumed you will make these adjustments early enough to enable you to collect at these rates for the April 1, 2016, billing (you would pass a revised ordinance at least one billing cycle before that).*
3. *Assess tap-on fees for new connections as shown in Table 9, page 61.*
4. *If all goes as modeled, on the one-year anniversary of making the rate adjustments called for above, and for several years thereafter, raise all rates and fees across the board by 3.5 percent.*
5. *You should examine your shut off and reconnection, meter charges and similar fees to determine if they are high enough to recover the related costs. Revenue generation is not the goal for such programs. It is a fairness issue because if these fees do not recover their related full costs, regular customers will have to make up the difference in the form of higher user fees.*

Table 1: Dona Ana MDWCA Water Minimum Charges












Water Meter Size in Inches	Water Minimum/Month
0.625 	\$17.10
0.750 	\$17.10
1.000 	\$24.13
1.500 	\$35.83
2.000 	\$87.34
3.000 	\$216.12
4.000 	\$363.62
6.000 	\$761.64
8.000 	\$1,323.56
10.000 	\$1,979.13
12.000 	\$2,494.22

Table 2: Dona Ana MDWCA Water Unit Charges

Table 2: Dona Ana MDWCA, Las Cruces, NM Water Unit Charges		
Usage Allowance in Gallons	Volume Range in Gallons	Unit Charge/1,000 Gallons in This Range
0	0 - 4,999	\$2.02
0	5,000 - 9,999	\$2.69
0	10,000 - 19,999	\$3.59
0	20,000 +	\$4.79

Closing

**You would do well to pursue the rates calculated in Water Scenario 3.**

These rates will enable you to build appropriately strong reserves, cover increasing costs, repay debt and do so using a fairer and simpler rate structure than your current structure.

Finally, as you address issues raised in this report and the analyses, you will have questions. Ask them. My goal is to help you set and keep adequate, fair and appropriately simple or complex rates. That takes time and effort and it may stretch out beyond the “conclusion” of the project. I’m in it for the long haul with you. Unless you ask for something that takes substantial or very different work, you will owe me no extra fees for that help.

\*\*\*\*\*

## Sewer Utility Discussion

Your sewer rate structure is like your water rates except that the minimum charge does not change with the volume used and unit charges are level, not inclining. The sewer utility's income needs to go up modestly. The minimum charges need to go up more than the unit charges, therefore, percentage increases in bills will rise most for low volume customers. However, large meter customers will also see their bills rise significantly, as well.

### Outside Contractor

Until just recently you had an outside contractor perform most system management functions, paying a fee for that service. You will now, instead, have in-house staff take on management of the system. To a large degree you will switch from paying a contractor to increasing in-house salaries and benefits. If this switch goes as planned, you will probably save some money. Changes related to this switch are highlighted gray in Table 3, page 100.

### System Improvements

As compared to your regular operating costs, you are paying very substantial debt service on past system improvements – your debt payments are greater than the total of all other operating costs. In the next five to 10 years you will add to that debt load. Therefore, debt is and will continue to be the primary driver of your sewer rates. There may be no alternative to making these improvements but as they approach, just make sure that each is needed, the alternative selected is the most appropriate for your situation and only initiate improvements at the most opportune time. System improvement issues are covered in Table 3, page 100.

A very significant system expansion is projected to occur in 2019 and 2020 when you will borrow approximately \$1,800,000 to serve 400 new customers. Those customers will pay tap-on fees, partially paying for the project. They will then pay regular user fees, spreading many of your operating costs over more users. Thus, the system will become more economical on a per customer basis. Table 2 on page 99 shows the income effects of these new customers. In the middle part of the table you can see the different in sales revenues between 2019 and 2021. A bit further down the table you can see a large jump in meter-size based tap-on fee revenues in 2020.

### Tap-on Fees and Capacity Surcharges

As described in the water subsection, part of your capacity costs should be recovered by capacity surcharges. These should be based upon water meter size. Thus, these fees were calculated using the same methodology for sewer as for water.

### Target Reserve Levels

I recommend you target sewer reserves in the same way as described for water. Lines on the bottom of Table 6, page 103, of the model show your reserve balances expected for the next 10 years.

## Change the Rate Structure

Your current sewer rate structure assesses the same minimum and unit charges to all customers, regardless of the percentage of system capacity that is obligated to each. I recommend you adopt a sewer minimum charge and surcharge structure that is similar to that which I recommended for water – meter size-based. Unit charges should be the same for each 1,000 gallons used.

### Winter-averaged Billing for Residential Customers

For purposes of this analysis, I assumed sewer service would be billed based upon water meter readings each month – the full water volume rather than only the water that gets put back down sewer drains. However, if the number of “Snow Birds” you have is low, I recommend that you switch to a winter-averaged billing structure for residential customers as soon as that is practical. When you make that switch, you will need to base rates on the billable winter average volume of wastewater you expect to receive because that volume will almost certainly be lower than your full-year volume.

The following will show you what to expect if, and when, you decide to adopt winter-averaged billing.

For residential customers only, I recommend assessing sewer unit charges based upon winter-averaged water use. Winter-averaged billing usually results in markedly lower sewer bills for most residential customers as compared to full year water meter readings-based rates because they are not assessed sewer charges on “consumptive use” of water. That is because they are given “credit” for water they do not return to the sewer collection system. (Note: This billing structure should only be applied to residential customers. Another technique appropriate for commercial, industrial and institutional customers will be discussed in the next subsection.)

One of the nice things about winter-averaged billing is that, since all residential customers’ bills are fixed for a long period of time, your revenue stream will be very dependable. Sewer revenues will not go up or down (much) due to fluctuations in water sales during the year.

The winter-averaged bill process takes a little work to set up, but it will make your billing simple in the future. You will bill all residential customers on an actual sewer use basis as much as it is possible, while still keeping the billing system simple.

Most winter-averaged bills are calculated using three winter months, usually December, January and February, following this procedure:

- For each residential customer, total up their water use for the previous three winter months. If volume for any of these months is zero or unusually low or otherwise an unusual amount, use different months in the previous winter season or just drop the non-use and low use month(s), instead. If that customer’s winter-time use is simply not usable or they have no winter-time use, bill that customer the average bill amount for all residential customers served by the size water meter they have.

- Divide each volume sum by the applicable number of months. This is the winter-averaged monthly use for each customer. Because each residential customer's bill will be based upon their average volume use, their resulting bill will be fixed and it will be unique to them.
- To calculate each customer's sewer bill, from their average volume use deduct the usage allowance, which I have recommended to be zero gallons. Then multiply by the required unit charge rate. Add the required minimum charge for that customer's water meter size. The result will be the bill amount to assess to that customer every month until you repeat this calculation in the future. Do the same for each residential customer. (These checks and calculations can be done en masse with a spreadsheet. If you have a new, full-featured billing program, it will even do the calculations and enter the new bill amounts for you.)
  - I suggest you repeat the process every year so you will have new usage data for bill calculations each time. You should do these recalculations at the same time that you adopt inflationary rate increases so customers will only experience one bill adjustment/increase each year.
- Enter the bill amount for each residential customer into your billing program and you are done. Until you enter new bill amounts again for residential customers your billing program will send each customer their own unique bill amount for sewer use based upon their winter-averaged water usage.

When a new home is built or a home changes owners there will be no previous winter-averaged water use for the new owners from which to calculate a winter-averaged sewer bill. In such a case, or similar cases, I recommend two alternatives. If the new owner of one home was already a customer of the system in another home, you can apply the sewer rate from that home to their new home. Or, you can temporarily charge a brand new customer the average residential sewer bill amount for their meter size. Once the property has been through a winter season with the new owners, its winter-averaged bill can be calculated.

Unmetered homes are a slightly different matter. The average single family residential home is usually served water by a five-eighths inch or three-quarter inch meter. Unmetered single family residential homes should be assessed bills based upon the average use of these meter size classes. You should not assess bills to unmetered customers at less than the average bill rate for metered customers for at least two reasons:

- Unmetered customers tend to use more water and run more water down the sewer drain than they would if they were paying water and sewer bills based upon metered use, and
- If a customer prefers, you can give them the option of installing a water meter approved by the Association so they can become a metered sewer customer. That option is discussed in the next subsection.



## Consumptive Use of Water Exempted From Sewer Billing

Some commercial or similar customers may use large volumes of water that do not get returned to the sewer system. This is called, “consumptive use.”

You should offer commercial and similar customers the opportunity to avoid paying sewer fees on water that they do not put into the sewer system. That can be done by allowing them to segment their internal water piping systems into two parts, as approved by the Association, and then assessing sewer bills that do not include water volume that is consumed (not returned to the sewer system). One part of the piping system would serve consumptive use facilities. The other part would serve the company’s or other customer’s restroom and similar facilities that are plumbed for sewer service. Such customers could then install a second water meter, as approved by the Association, from which consumptive water use could be determined. This meter is often called the “deduct” meter.

When billing these customers, the Association would assess water rates based upon the readings from the meter that meters all water use and sewer rates only on the net volume that serves the restrooms and similar facilities that are plumbed into the sewer system. One minimum for water service and one minimum for sewer service should be assessed to the bill.

Obviously, configuring piping systems in this way can more conveniently and cheaply be done as a new facility is being designed. For that reason, I suggest that, when you are considering construction or connection permits, in your application process, make applicants aware of this billing procedure. That will enable them to take advantage of it if it will help them control their costs better. In so doing, the Association and developers of properties would be working together to try to optimize how their properties and the sewer system work as an integrated system.

## Minimum Charge Rate Structure

I recommend minimum charges in the same structure as those for water, based upon water meter size to recover part of the unavoidable fixed and capacity costs of the sewer utility.

## Unit Charge Rate Structure

I recommend level unit charges.

## Rate Affordability

As shown near the top of Table 6, page 103, and graphically in Chart 4, page 111, the affordability index of your current rates, at 1.36 percent, is noticeably higher than the approximate national average of 1.0 percent. The rates I think you should adopt from Sewer Scenario 2 would raise the affordability index 1.52 percent after the initial rate adjustment and a bit more in future years. This, of course, is bad news but it may be unavoidable for the following reasons.

You may or may not support more stringent wastewater treatment standards from the Environmental Protection Agency and the State's regulatory agencies. Regardless of your feelings about the issue, such requirements are forcing utilities to make substantial investments to upgrade infrastructure. These upgrades are mandatory, not optional, and they require new generation treatment technology. It is expensive. No doubt, you have already had to complete projects to enable you to comply with environmental and public health requirements. That has increased your debt service dramatically. Debt pushes rates higher. Other utilities that have not yet had to comply with such regulatory requirements, mainly because they are at a different place in their permitting cycle, will eventually go down a similar path. Thus, while you may lament that your rates are becoming less affordable than those of some neighboring utilities, most of those utilities will end up following you down that same path. Their rates will also have to rise.

Table 7 of Sewer Scenario 2, page 103, shows how most customers' bills will be affected by the recommended rates. On a percentage basis, bills for low volume customers would go up the most. On a dollar basis, high-volume customers' bills would go up the most. When considering rate increases, it is usually more instructive to look at the dollar change and not the percentage change.

## Recommendations for Sewer Rates

Sewer Scenario 2 contains all of my rates-related recommendations and shows what they are built upon. I have summarized my recommendations as follows:

1. *You should assess to customers the meter size-based monthly minimum charges and unit charges shown in Table 3 that follows this list.*
2. *The calculations assumed you will make these adjustments early enough to enable you to collect at these rates for the April 1, 2016, billing (you would pass a revised ordinance at least one billing cycle before that).*
3. *Assess tap-on fees for new connections as shown in Table 9, page 114.*
4. *If all goes as modeled, on the one-year anniversary of making the rate adjustments called for above, and for several years thereafter, raise all rates and fees across the board by 3.0 percent.*
5. *You should examine your shut off and reconnection, meter charges and similar fees to determine if they are high enough to recover the related costs. Revenue generation is not the goal for such programs. It is a fairness issue because if these fees do not recover their related full costs, regular customers will have to make up the difference in the form of higher user fees.*

Table 3: Dona Ana MDWCA, Las Cruces, NM Sewer Minimum and Unit Charges

Table 3: Dona Ana MDWCA, Las Cruces, NM Sewer Minimum and Unit Charges			
Water Meter Size in Inches	Sewer Minimum/Month	Sewer Unit Charge/1,000	Gallons
0.625	\$15.47		\$3.32
0.750	\$15.47		\$3.32
1.000	\$16.05		\$3.32
1.500	\$17.03		\$3.32
2.000	\$21.33		\$3.32
3.000	\$32.07		\$3.32
4.000	\$44.37		\$3.32
6.000	\$77.57		\$3.32
8.000	\$124.44		\$3.32
10.000	\$179.13		\$3.32
12.000	\$222.09		\$3.32

Closing

**You would do well to pursue the rates calculated in Sewer Scenario 2.**

These rates will enable you to establish appropriately strong reserves, cover increasing costs, repay debt and do so using fairly structured rates.



# Dona Ana MDWCA, Las Cruces, NM

## Water Rates Scenario 2016-3

### Modeling Results

This document contains the calculations that were performed to arrive at new user rates and fees for the next 10 years. These calculations are complex so key issues are also described in a narrative report that accompanies this model.

This analysis was conducted so as to establish user rates that are adequate to pay all reasonably expectable costs while charging rates that are fairly structured and appropriately simple or complex.

**Scenario Description:** This analysis model assumes minimum charges that capture basic fixed costs plus a surcharge based upon meter size to capture part of the cost of building system capacity. Unit charges will be in a simpler inclining (conservation rates) structure and capture variable costs. Hydrant bulk water users will pay the same rates as all other users. After initially setting rates as shown in the table in the narrative report, inflationary rate increases will be done annually.

For most, the best way to read and understand what this model means is this. Scan the "Index or Tables, Charts and Other Results" to see how the model is laid out. Scan the "Definitions" for any terms you are not already familiar with. Read and even ponder Table 1 and the line graph charts. These will show you how the proposed rate adjustments will affect ratepayers and the system. If you need more detail than that, review the entire model. Finally, rate setting involves much more than just rates so you need to read the accompanying narrative report to understand what you need to do and why.

Several tables in this model depict volume usage and user rates for the various customer classes. The model includes a continuum of volumes but many volume categories had no users. Most of these lines have been hidden simply to make the tables less voluminous. However, all volume classes that had use or that are break points for rate blocks are shown. For volume classes that are not shown, rates will be the same as the previous rate that is shown.

March 16, 2016

This rate analysis scenario was produced by  
Carl E. Brown, GettingGreatRates.com  
1014 Carousel Drive, Jefferson City, Missouri 65101  
(573) 619-3411

[www.gettinggreatrates.com](http://www.gettinggreatrates.com)  
[carl@gettinggreatrates.com](mailto:carl@gettinggreatrates.com)

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# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Index of Tables, Charts and Other Results

Note: When a numbered table or chart is missing from the list below and this model package, that was not a mistake. It simply means that table or chart from our master program was not needed in this situation.

Name	What Each is or Does
Definitions	The meaning of terms used in this report and in rate setting generally
Return on Investment	A summary of financial outcomes produced by the proposed rates
Table 1 - Recommended Rates	User rates calculated and recommended in this model for each user class
Table 2 - User Base and Operating Incomes	Basic user statistics and operating revenues, projected for next 10 years, based upon adopting modeled rates and future inflationary increases
Table 3 - Operating Costs and Net Income	Operating costs projected for next 10 years, excluding debt service
Table 4 - Capital Improvement Program	Capital improvements and how they will be paid over next 10 years, including debt service
Table 5 - Capacity Cost Recovery	Capacity costs incurred on behalf of new connections, if applicable
Table 6 - Indicators and Balances	Balances and financial health indicators as a result of adopting the modeled rates
Table 7 - Bill Comparisons Before and After Rate Adjustments	Illustrates effects of modeled rates on bill increases or decreases for use at various levels
Table 8 - User Statistics	Table depicts usage and revenue statistics brought on by the modeled rates
Chart 1 - Operating Ratio	Graph of operating ratio for next 10 years if modeled rates are adopted
Chart 2 - Coverage Ratio	Graph of coverage ratio for next 10 years if modeled rates are adopted
Chart 3 - 5,000 Gallon Residential User's Bill	Graph of bill for a 5,000 gallon per month residential user, with smallest available meter size, for next 10 years at modeled rates (used in grant and loan eligibility determinations)
Chart 4 - Affordability Index	Graph of affordability index of residential user's bill for next 10 years at modeled rates (used in grant and loan eligibility determinations)
Chart 5 - Working Capital vs Goal	Graph of total (unobligated) cash assets for next 10 years at modeled rates compared to the goal for total cash assets
Chart 6 - Value of Cash Assets Before Inflation	Graph of total (unobligated) cash assets NOT adjusted for inflation for next 10 years at modeled rates
Chart 7 - Value of Cash Assets After Inflation	Graph of total (unobligated) cash assets adjusted for inflation for next 10 years at modeled rates
Table 9 - Meter-size Based Tap Fees	Calculation of tap fees based upon meter or connection size, if applicable
Table 10 - Capacity Charges Based on Meter Size	Calculation of surcharges to apply to minimum charges, based upon meter or connection size, that will recoup part or all of the costs incurred to provide high-flow capacity, if applicable
Table 11 - Initial Rate Adjustments and Resulting Revenues	Recitation of current rates, and calculation of modeled rates and blended revenues they will produce during the year following the test year (usually this year in real time)
Table 12 - Test Year Usage	Compilation of actual volume of service used by customers during the test year
Table 13 - Rates at End of Test Year	The user rate table in effect at the end of the test year
Table 14 - Cost Classification for Rate Structure Calculation	Sumation of a specified year's costs and calculation of "cost of service" basis for recovery of fixed costs and variable costs.
Table 15 - Marginal Costs	Incremental (marginal) costs that would be incurred if the system produced incrementally more volume of service, the system brought on a new customer or did something similar, if applicable
Table 16 - Equipment Replacement Details Table	Detailed schedule of equipment replacements for next 20 years, if applicable
Table 17 - Replacement Schedule	Calculation of the annual annuity (yearly savings amount) needed to pay for all equipment replacements as they come due and end with a desired balance

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Definitions

Affordability Index	The monthly charge for (typically) 5,000 gallons of residential service divided by the median monthly household income for the area served by the system. An index of 1.0, meaning a household pays one percent of its income to pay its bill for 5,000 gallons of service, is generally considered affordable. Affordability index is a primary factor in determining grant and loan eligibility and grant amount.
Capacity Charge, also commonly called an Impact Fee or Availability Charge	A charge that buys a new customer system capacity. This is a charge levied on a new customer that recovers all or part of the capital costs to build capacity to be able to serve that customer's actual or potential demand. This charge may be a few thousand dollars for a residential customer to many thousands of dollars for a large industrial customer.
Capital Improvement Plan or Program (CIP)	A schedule of anticipated capital improvements. These are the more expensive items such as water towers, treatment plants and lines that generally require bond or grant funding. They do not include equipment replacement items.
Capital Improvement Reserves	Cash reserves dedicated to funding the CIP
Comprehensive Rate Analysis	A thorough examination of a system's operating, capital improvement, equipment replacement and all other costs, revenues, current rates, number of users and their use of the system, growth rates and all other issues surrounding the system. This examination will determine how rates and fees should be set in the future to cash-flow the system properly, to build appropriate reserves and to be fair the ratepayers. It also will determine how policies should be adjusted to enable the system to operate well now, operate well in the medium-range future (about 10 years) and prepare for expected and expectable events such as capital improvements and equipment replacement.
Connection Charge	A charge that buys a new customer connection to the system. This charge is levied on a new customer to recover all or part of the costs a system incurs in the course of connecting the new customer to the system. This may include labor costs for staff or others on-site; equipment sold by the system to the new customer for making the connection; equipment, tools and supplies used by system staff for making the connection; and the like. This charge may be a few hundred dollars for a residential customer to thousands of dollars for a large industrial customer.
Conservation (Inclining) Rates	Unit charges that go up as the volume used goes up
Cost to Produce	There are several ways to define cost to produce. Each is acceptable for different purposes. Generally, cost to produce is the total of all variable costs required to get service to a utility's customers during one year divided by the total units of service delivered during that year. In a proportional to use rate structure, this will be the variable cost. See "Cost Calculations" at the bottom of Chart 19.
Cost to Serve Rates	Rates where fixed and variable costs generated by each user class are paid by that class with minimum and unit charges, respectively.
Cost Types; Fixed and Variable	The two main types of costs are fixed - those that are related to the fact that someone is a customer; and variable - those that are related to the volume of the commodity delivered to customers. Generally, fixed costs should be recovered with minimum charges and variable costs with unit charges.
Coverage Ratio (CR)	Incomes available to pay debt divided by the amount of the debt for that year. Most systems should have a CR of 1.25 or higher. Note: the CR in this model also includes reserves available to pay debt in the CR calculation, which is a more realistic approach to debt coverage.
Current Position	For a year, the sum of all incomes and undedicated reserves minus all current financial obligations for that year. Future obligations (next year's loan payments) and depreciation are not included. Current position is a good measure of overall financial health.
Declining Rates	Rates where unit charges go down as the volume used goes up
Flat Rates	Rates where all users pay exactly the same fee regardless of the volume of service they use
Equivalent Dwelling Unit (EDU) or Equivalent Residential Unit (ERU)	Based upon number of water using fixtures, average flow, potential flow or similar criteria; the consumption rate of the average single family home is rated at one EDU. All other types of customers are then compared on this measuring basis and the EDUs are calculated. Generally the purpose of this exercise is to calculate fees that each EDU must pay.
Incremental Rate Adjustments	Rate increases done, generally annually, following the initial rate adjustment. The goal of these rate increases is to keep the system's income and reserve levels on track. Rate structure fairness is a small issue, if it is an issue at all. Such increases are usually small, in the two to five percent per year range.
Initial Rate Adjustments	Rate adjustments done in follow up on the comprehensive rate analysis. Generally, the goal of such adjustments is to establish rates that put the system's income and reserve levels on track with the system's financial needs and do it with a structure that is fair to the ratepayers.

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Definitions

Inflow & Infiltration (I&I)	In a sewer system, water that gets into the collection system by way of illicit connections (inflow) such as gutter downspouts and leaks in manholes and sewer lines (infiltration)
Infrastructure	Hard assets, such as water towers, treatment plants and lines needed to provide service to customers connected to the system
Life-cycle Cost	The total cost to design, build, operate, maintain and eventually dispose of an asset. One asset may cost less to build but be more expensive to operate and maintain, yielding a higher life-cycle cost.
Marginal Costs	The part of fixed and/or variable costs that are unavoidable should use go up marginally, should an additional large-volume customer be added at a discounted but still profitable fee or for other reasons. Generally marginal costs are less than the average fixed and variable costs but when extra use requires a system upsizing, they can be greater. These costs are especially useful when considering selling service at wholesale.
Operating Costs	Definitions and calculations vary. For rate setting purposes operating costs are costs incurred because a system is operated. Such costs are generally recovered through unit charges.
Operating Revenues	Revenues generated by user fees
Operating Ratio (OR)	Current incomes divided by current expenses, not including debt. An OR of 1.0 is "break even." Most systems should have an OR of 1.25 or higher. Note: the OR calculation in this model also included undedicated reserves, which is a more realistic approach to covering operating costs. However, most lenders, for example, disallow reserves from being considered in the operating ratio calculation.
Payback Period	Time required for the investment made to get this analysis to return that investment through increased user and other fees
Potential Demand	The volume of service that a user could demand for a short period of time at full volume use. The potential demand limiting factor is usually the size of the customer's meter or service line.
Proportional to Use Rates	Rates where the minimum charge recovers all fixed costs, the unit charge recovers all variable costs, the unit charge is the same for all volume sold, and there is no usage allowance in the minimum charge.
Replacement Schedule	A timetable that describes equipment replacement and important repairs that are too infrequent and/or too expensive to cover as annual operating costs but not so expensive that they need to be covered as capital improvements.
Replacement Reserves	Cash reserves used to fund the Replacement Schedule
Return on Investment	The dollar amount or percentage of revenue gain enabled by this analysis
Tap Fee, also called a Hook up Fee or Connection Fee	A charge that gives a new customer the <u>right</u> to connect to the system. This fee may include the costs of administering the connection program, such as staff time to 'sign up' new customers, get them into the system's billing program, do an inspection of the service connection to assure that it meets the system's standards and the like. This charge is usually minimal for a residential customer and maybe a few thousand dollars for a large industrial customer. Capacity and connection fees are commonly added to tap fees and the total fee is just called a 'tap' fee.
Test Year	The one year period from which data was gathered to be the basis of the rate analysis
Usage Allowance	The volume, if any, that is "given away" with the minimum charge. Most systems give away no volume. Those that give away an unlimited volume have what are called "flat rates."
User Fee, User Charge, User Rates	Fees assessed to customers for use of the system. Does not include tap, capacity or connection fees, late payment penalties or other types of charges.
Water Loss	Measured by volume or percent, the part of a water system's net water production that does not get to customers. This loss also includes billable volume lost due to under-registering customer meters.
Working Capital, Net Income	The amount left in the operating fund after paying all costs due during that month, year or other time period. Working capital of \$0 is "break even."
Working Capital Goal	The desired percentage in excess of "break even" for the operating fund. Small systems (a few hundred connections) generally should target 35 percent or greater. Larger systems can target less, down to a minimum of about 20 percent for systems with 5,000 or more connections but the goal for each system should be based upon the needs of that system.



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Return on Investment

The rates depicted in this model will produce various returns on investment or paybacks. Usually the most important payback, at least to ratepayers, is a rate structure that is demonstrably fair. For the system, revenues (usually increased) that will be adequate to pay all expected, expectable and many unexpected costs is the key return.

The following calculations show what was invested and what the returns will be over two periods; five years and 10 years. Five years is a reasonable period for return projections. Ten years is a good basic planning horizon but you should not bank on amounts or returns projected that far out. Besides, most systems should have their analyses redone long before then.

Consider these key points about returns on investment. Because the recommended, overall higher rates will fund more improvements, better repair and replacement and such, much of the increase in revenues will be absorbed by those expenses. Thus, few systems end up with a dramatic increase in their reserves because most of the additional revenues get used up making needed improvements. Fairer and higher rates generally enable systems to qualify for grant and loan funding, too, increasing those funds but also using up those funds.

Also note that rates in this model have been modeled to be adjusted during the year following the test year or even later. That year is included in the first five-year return on investment calculation. Thus, the first year of returns calculated below include most or all of one year where rates will not have been changed yet, lowering the calculated return on investment but not the real rate of return.

## Calculations

\$7,452 Fees to GettingGreatRates.com  
\$500 Estimated value of system staff time and incidentals to assemble needed information  
\$7,952 Total Investment for This Analysis

\$2,819,951 Five-year Improvement in Cash Position Due at Least Partly to This Analysis  
35463% Five-year Return on Investment (increase in revenues / investment)

\$10,551,872 Ten-year Improvement in Cash Position Due at Least Partly to This Analysis  
132698% Ten-year Return on Investment (increase in revenues / investment)

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# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 1 - Recommended Rates

Dona Ana MDWCA, Las Cruces, NM, Water Rates Scenario 2016-3

Table 1 - Recommended Rates

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Adopt the minimum and unit charges shown in this table. The minimum charges come from the yellow highlighted column of Table 10 of the model. Use that table to set minimum charges for meter sizes not shown in this table.

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
0.625" Residential <10,000 Gallons	0	999	\$17.10	0.000	\$2.02
	1,000	1,999	\$17.10	0.000	\$2.02
	2,000	2,999	\$17.10	0.000	\$2.02
	3,000	3,999	\$17.10	0.000	\$2.02
	4,000	4,999	\$17.10	0.000	\$2.02
	5,000	5,999	\$17.10	0.000	\$2.69
	6,000	6,999	\$17.10	0.000	\$2.69
	7,000	7,999	\$17.10	0.000	\$2.69
	8,000	8,999	\$17.10	0.000	\$2.69
	9,000	9,999	\$17.10	0.000	\$2.69
	10,000	14,999	\$17.10	0.000	\$3.59
	15,000	19,999	\$17.10	0.000	\$3.59
	20,000	29,999	\$17.10	0.000	\$4.79
	30,000	39,999	\$17.10	0.000	\$4.79
	40,000	49,999	\$17.10	0.000	\$4.79
	50,000	59,999	\$17.10	0.000	\$4.79
	60,000	69,999	\$17.10	0.000	\$4.79
	70,000	79,999	\$17.10	0.000	\$4.79
80,000	89,999	\$17.10	0.000	\$4.79	
90,000	99,999	\$17.10	0.000	\$4.79	
100,000	109,999	\$17.10	0.000	\$4.79	
110,000	119,999	\$17.10	0.000	\$4.79	
120,000	129,999	\$17.10	0.000	\$4.79	
130,000	139,999	\$17.10	0.000	\$4.79	
140,000	149,999	\$17.10	0.000	\$4.79	
150,000	159,999	\$17.10	0.000	\$4.79	
160,000	99,999,999	\$17.10	0.000	\$4.79	
0.750" Residential <10,000 Gallons	0	999	\$17.10	0.000	\$2.02
	1,000	1,999	\$17.10	0.000	\$2.02
	2,000	2,999	\$17.10	0.000	\$2.02
	3,000	3,999	\$17.10	0.000	\$2.02
	4,000	4,999	\$17.10	0.000	\$2.02
	5,000	5,999	\$17.10	0.000	\$2.69
	6,000	6,999	\$17.10	0.000	\$2.69
	7,000	7,999	\$17.10	0.000	\$2.69
	8,000	8,999	\$17.10	0.000	\$2.69
	9,000	9,999	\$17.10	0.000	\$2.69
	10,000	14,999	\$17.10	0.000	\$3.59
	15,000	19,999	\$17.10	0.000	\$3.59
	20,000	29,999	\$17.10	0.000	\$4.79
	30,000	39,999	\$17.10	0.000	\$4.79
	40,000	49,999	\$17.10	0.000	\$4.79
	50,000	59,999	\$17.10	0.000	\$4.79
	60,000	69,999	\$17.10	0.000	\$4.79
	70,000	79,999	\$17.10	0.000	\$4.79
80,000	89,999	\$17.10	0.000	\$4.79	
90,000	99,999	\$17.10	0.000	\$4.79	
100,000	109,999	\$17.10	0.000	\$4.79	
110,000	119,999	\$17.10	0.000	\$4.79	
120,000	129,999	\$17.10	0.000	\$4.79	
130,000	139,999	\$17.10	0.000	\$4.79	
140,000	149,999	\$17.10	0.000	\$4.79	
150,000	159,999	\$17.10	0.000	\$4.79	
160,000	99,999,999	\$17.10	0.000	\$4.79	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 1 - Recommended Rates

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
1.000" Residential <10,000 Gallons	0	999	\$24.13	0.000	\$2.02
	1,000	1,999	\$24.13	0.000	\$2.02
	2,000	2,999	\$24.13	0.000	\$2.02
	3,000	3,999	\$24.13	0.000	\$2.02
	4,000	4,999	\$24.13	0.000	\$2.02
	5,000	5,999	\$24.13	0.000	\$2.69
	6,000	6,999	\$24.13	0.000	\$2.69
	7,000	7,999	\$24.13	0.000	\$2.69
	8,000	8,999	\$24.13	0.000	\$2.69
	9,000	9,999	\$24.13	0.000	\$2.69
	10,000	14,999	\$24.13	0.000	\$3.59
	15,000	19,999	\$24.13	0.000	\$3.59
	20,000	29,999	\$24.13	0.000	\$4.79
	30,000	39,999	\$24.13	0.000	\$4.79
	40,000	49,999	\$24.13	0.000	\$4.79
	50,000	59,999	\$24.13	0.000	\$4.79
	60,000	69,999	\$24.13	0.000	\$4.79
70,000	79,999	\$24.13	0.000	\$4.79	
80,000	89,999	\$24.13	0.000	\$4.79	
90,000	99,999	\$24.13	0.000	\$4.79	
100,000	109,999	\$24.13	0.000	\$4.79	
110,000	119,999	\$24.13	0.000	\$4.79	
120,000	129,999	\$24.13	0.000	\$4.79	
130,000	139,999	\$24.13	0.000	\$4.79	
140,000	149,999	\$24.13	0.000	\$4.79	
150,000	159,999	\$24.13	0.000	\$4.79	
160,000	99,999,999	\$24.13	0.000	\$4.79	
1.500" Residential <10,000 Gallons	0	999	\$35.83	0.000	\$2.02
	1,000	1,999	\$35.83	0.000	\$2.02
	2,000	2,999	\$35.83	0.000	\$2.02
	3,000	3,999	\$35.83	0.000	\$2.02
	4,000	4,999	\$35.83	0.000	\$2.02
	5,000	5,999	\$35.83	0.000	\$2.69
	6,000	6,999	\$35.83	0.000	\$2.69
	7,000	7,999	\$35.83	0.000	\$2.69
	8,000	8,999	\$35.83	0.000	\$2.69
	9,000	9,999	\$35.83	0.000	\$2.69
	10,000	14,999	\$35.83	0.000	\$3.59
	15,000	19,999	\$35.83	0.000	\$3.59
	20,000	29,999	\$35.83	0.000	\$4.79
	30,000	39,999	\$35.83	0.000	\$4.79
	40,000	49,999	\$35.83	0.000	\$4.79
	50,000	59,999	\$35.83	0.000	\$4.79
	60,000	69,999	\$35.83	0.000	\$4.79
70,000	79,999	\$35.83	0.000	\$4.79	
80,000	89,999	\$35.83	0.000	\$4.79	
90,000	99,999	\$35.83	0.000	\$4.79	
100,000	109,999	\$35.83	0.000	\$4.79	
110,000	119,999	\$35.83	0.000	\$4.79	
120,000	129,999	\$35.83	0.000	\$4.79	
130,000	139,999	\$35.83	0.000	\$4.79	
140,000	149,999	\$35.83	0.000	\$4.79	
150,000	159,999	\$35.83	0.000	\$4.79	
160,000	99,999,999	\$35.83	0.000	\$4.79	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 1 - Recommended Rates

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
2.000" Residential <10,000 Gallons	0	999	\$87.34	0.000	\$2.02
	1,000	1,999	\$87.34	0.000	\$2.02
	2,000	2,999	\$87.34	0.000	\$2.02
	3,000	3,999	\$87.34	0.000	\$2.02
	4,000	4,999	\$87.34	0.000	\$2.02
	5,000	5,999	\$87.34	0.000	\$2.69
	6,000	6,999	\$87.34	0.000	\$2.69
	7,000	7,999	\$87.34	0.000	\$2.69
	8,000	8,999	\$87.34	0.000	\$2.69
	9,000	9,999	\$87.34	0.000	\$2.69
	10,000	14,999	\$87.34	0.000	\$3.59
	15,000	19,999	\$87.34	0.000	\$3.59
	20,000	29,999	\$87.34	0.000	\$4.79
	30,000	39,999	\$87.34	0.000	\$4.79
	40,000	49,999	\$87.34	0.000	\$4.79
	50,000	59,999	\$87.34	0.000	\$4.79
	60,000	69,999	\$87.34	0.000	\$4.79
	70,000	79,999	\$87.34	0.000	\$4.79
	80,000	89,999	\$87.34	0.000	\$4.79
	90,000	99,999	\$87.34	0.000	\$4.79
100,000	109,999	\$87.34	0.000	\$4.79	
110,000	119,999	\$87.34	0.000	\$4.79	
120,000	129,999	\$87.34	0.000	\$4.79	
130,000	139,999	\$87.34	0.000	\$4.79	
140,000	149,999	\$87.34	0.000	\$4.79	
150,000	159,999	\$87.34	0.000	\$4.79	
160,000	99,999,999	\$87.34	0.000	\$4.79	
0.625" Residential ≥10,000 Gallons	0	999	\$17.10	0.000	\$2.02
	1,000	1,999	\$17.10	0.000	\$2.02
	2,000	2,999	\$17.10	0.000	\$2.02
	3,000	3,999	\$17.10	0.000	\$2.02
	4,000	4,999	\$17.10	0.000	\$2.02
	5,000	5,999	\$17.10	0.000	\$2.69
	6,000	6,999	\$17.10	0.000	\$2.69
	7,000	7,999	\$17.10	0.000	\$2.69
	8,000	8,999	\$17.10	0.000	\$2.69
	9,000	9,999	\$17.10	0.000	\$2.69
	10,000	14,999	\$17.10	0.000	\$3.59
	15,000	19,999	\$17.10	0.000	\$3.59
	20,000	29,999	\$17.10	0.000	\$4.79
	30,000	39,999	\$17.10	0.000	\$4.79
	40,000	49,999	\$17.10	0.000	\$4.79
	50,000	59,999	\$17.10	0.000	\$4.79
	60,000	69,999	\$17.10	0.000	\$4.79
	70,000	79,999	\$17.10	0.000	\$4.79
	80,000	89,999	\$17.10	0.000	\$4.79
	90,000	99,999	\$17.10	0.000	\$4.79
100,000	109,999	\$17.10	0.000	\$4.79	
110,000	119,999	\$17.10	0.000	\$4.79	
120,000	129,999	\$17.10	0.000	\$4.79	
130,000	139,999	\$17.10	0.000	\$4.79	
140,000	149,999	\$17.10	0.000	\$4.79	
150,000	159,999	\$17.10	0.000	\$4.79	
160,000	99,999,999	\$17.10	0.000	\$4.79	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 1 - Recommended Rates

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
0.750" Residential >=10,000 Gallons	0	999	\$17.10	0.000	\$2.02
	1,000	1,999	\$17.10	0.000	\$2.02
	2,000	2,999	\$17.10	0.000	\$2.02
	3,000	3,999	\$17.10	0.000	\$2.02
	4,000	4,999	\$17.10	0.000	\$2.02
	5,000	5,999	\$17.10	0.000	\$2.69
	6,000	6,999	\$17.10	0.000	\$2.69
	7,000	7,999	\$17.10	0.000	\$2.69
	8,000	8,999	\$17.10	0.000	\$2.69
	9,000	9,999	\$17.10	0.000	\$2.69
	10,000	14,999	\$17.10	0.000	\$3.59
	15,000	19,999	\$17.10	0.000	\$3.59
	20,000	29,999	\$17.10	0.000	\$4.79
	30,000	39,999	\$17.10	0.000	\$4.79
	40,000	49,999	\$17.10	0.000	\$4.79
	50,000	59,999	\$17.10	0.000	\$4.79
	60,000	69,999	\$17.10	0.000	\$4.79
70,000	79,999	\$17.10	0.000	\$4.79	
80,000	89,999	\$17.10	0.000	\$4.79	
90,000	99,999	\$17.10	0.000	\$4.79	
100,000	109,999	\$17.10	0.000	\$4.79	
110,000	119,999	\$17.10	0.000	\$4.79	
120,000	129,999	\$17.10	0.000	\$4.79	
130,000	139,999	\$17.10	0.000	\$4.79	
140,000	149,999	\$17.10	0.000	\$4.79	
150,000	159,999	\$17.10	0.000	\$4.79	
160,000	99,999,999	\$17.10	0.000	\$4.79	
1.000" Residential >=10,000 Gallons	0	999	\$24.13	0.000	\$2.02
	1,000	1,999	\$24.13	0.000	\$2.02
	2,000	2,999	\$24.13	0.000	\$2.02
	3,000	3,999	\$24.13	0.000	\$2.02
	4,000	4,999	\$24.13	0.000	\$2.02
	5,000	5,999	\$24.13	0.000	\$2.69
	6,000	6,999	\$24.13	0.000	\$2.69
	7,000	7,999	\$24.13	0.000	\$2.69
	8,000	8,999	\$24.13	0.000	\$2.69
	9,000	9,999	\$24.13	0.000	\$2.69
	10,000	14,999	\$24.13	0.000	\$3.59
	15,000	19,999	\$24.13	0.000	\$3.59
	20,000	29,999	\$24.13	0.000	\$4.79
	30,000	39,999	\$24.13	0.000	\$4.79
	40,000	49,999	\$24.13	0.000	\$4.79
	50,000	59,999	\$24.13	0.000	\$4.79
	60,000	69,999	\$24.13	0.000	\$4.79
70,000	79,999	\$24.13	0.000	\$4.79	
80,000	89,999	\$24.13	0.000	\$4.79	
90,000	99,999	\$24.13	0.000	\$4.79	
100,000	109,999	\$24.13	0.000	\$4.79	
110,000	119,999	\$24.13	0.000	\$4.79	
120,000	129,999	\$24.13	0.000	\$4.79	
130,000	139,999	\$24.13	0.000	\$4.79	
140,000	149,999	\$24.13	0.000	\$4.79	
150,000	159,999	\$24.13	0.000	\$4.79	
160,000	99,999,999	\$24.13	0.000	\$4.79	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 1 - Recommended Rates

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
1.500" Residential >=10,000 Gallons	0	999	\$35.83	0.000	\$2.02
	1,000	1,999	\$35.83	0.000	\$2.02
	2,000	2,999	\$35.83	0.000	\$2.02
	3,000	3,999	\$35.83	0.000	\$2.02
	4,000	4,999	\$35.83	0.000	\$2.02
	5,000	5,999	\$35.83	0.000	\$2.69
	6,000	6,999	\$35.83	0.000	\$2.69
	7,000	7,999	\$35.83	0.000	\$2.69
	8,000	8,999	\$35.83	0.000	\$2.69
	9,000	9,999	\$35.83	0.000	\$2.69
	10,000	14,999	\$35.83	0.000	\$3.59
	15,000	19,999	\$35.83	0.000	\$3.59
	20,000	29,999	\$35.83	0.000	\$4.79
	30,000	39,999	\$35.83	0.000	\$4.79
	40,000	49,999	\$35.83	0.000	\$4.79
	50,000	59,999	\$35.83	0.000	\$4.79
	60,000	69,999	\$35.83	0.000	\$4.79
70,000	79,999	\$35.83	0.000	\$4.79	
80,000	89,999	\$35.83	0.000	\$4.79	
90,000	99,999	\$35.83	0.000	\$4.79	
100,000	109,999	\$35.83	0.000	\$4.79	
110,000	119,999	\$35.83	0.000	\$4.79	
120,000	129,999	\$35.83	0.000	\$4.79	
130,000	139,999	\$35.83	0.000	\$4.79	
140,000	149,999	\$35.83	0.000	\$4.79	
150,000	159,999	\$35.83	0.000	\$4.79	
160,000	99,999,999	\$35.83	0.000	\$4.79	
2.000" Residential >=10,000 Gallons	0	999	\$87.34	0.000	\$2.02
	1,000	1,999	\$87.34	0.000	\$2.02
	2,000	2,999	\$87.34	0.000	\$2.02
	3,000	3,999	\$87.34	0.000	\$2.02
	4,000	4,999	\$87.34	0.000	\$2.02
	5,000	5,999	\$87.34	0.000	\$2.69
	6,000	6,999	\$87.34	0.000	\$2.69
	7,000	7,999	\$87.34	0.000	\$2.69
	8,000	8,999	\$87.34	0.000	\$2.69
	9,000	9,999	\$87.34	0.000	\$2.69
	10,000	14,999	\$87.34	0.000	\$3.59
	15,000	19,999	\$87.34	0.000	\$3.59
	20,000	29,999	\$87.34	0.000	\$4.79
	30,000	39,999	\$87.34	0.000	\$4.79
	40,000	49,999	\$87.34	0.000	\$4.79
	50,000	59,999	\$87.34	0.000	\$4.79
	60,000	69,999	\$87.34	0.000	\$4.79
70,000	79,999	\$87.34	0.000	\$4.79	
80,000	89,999	\$87.34	0.000	\$4.79	
90,000	99,999	\$87.34	0.000	\$4.79	
100,000	109,999	\$87.34	0.000	\$4.79	
110,000	119,999	\$87.34	0.000	\$4.79	
120,000	129,999	\$87.34	0.000	\$4.79	
130,000	139,999	\$87.34	0.000	\$4.79	
140,000	149,999	\$87.34	0.000	\$4.79	
150,000	159,999	\$87.34	0.000	\$4.79	
160,000	99,999,999	\$87.34	0.000	\$4.79	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 1 - Recommended Rates

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
0.625" Commercial	0	999	\$17.10	0.000	\$2.02
	1,000	1,999	\$17.10	0.000	\$2.02
	2,000	2,999	\$17.10	0.000	\$2.02
	3,000	3,999	\$17.10	0.000	\$2.02
	4,000	4,999	\$17.10	0.000	\$2.02
	5,000	5,999	\$17.10	0.000	\$2.69
	6,000	6,999	\$17.10	0.000	\$2.69
	7,000	7,999	\$17.10	0.000	\$2.69
	8,000	8,999	\$17.10	0.000	\$2.69
	9,000	9,999	\$17.10	0.000	\$2.69
	10,000	14,999	\$17.10	0.000	\$3.59
	15,000	19,999	\$17.10	0.000	\$3.59
	20,000	29,999	\$17.10	0.000	\$4.79
	30,000	39,999	\$17.10	0.000	\$4.79
	40,000	49,999	\$17.10	0.000	\$4.79
	50,000	59,999	\$17.10	0.000	\$4.79
	60,000	69,999	\$17.10	0.000	\$4.79
	70,000	79,999	\$17.10	0.000	\$4.79
	80,000	89,999	\$17.10	0.000	\$4.79
	90,000	99,999	\$17.10	0.000	\$4.79
100,000	109,999	\$17.10	0.000	\$4.79	
110,000	119,999	\$17.10	0.000	\$4.79	
120,000	129,999	\$17.10	0.000	\$4.79	
130,000	139,999	\$17.10	0.000	\$4.79	
140,000	149,999	\$17.10	0.000	\$4.79	
150,000	159,999	\$17.10	0.000	\$4.79	
160,000	99,999,999	\$17.10	0.000	\$4.79	
0.750" Commercial	0	999	\$17.10	0.000	\$2.02
	1,000	1,999	\$17.10	0.000	\$2.02
	2,000	2,999	\$17.10	0.000	\$2.02
	3,000	3,999	\$17.10	0.000	\$2.02
	4,000	4,999	\$17.10	0.000	\$2.02
	5,000	5,999	\$17.10	0.000	\$2.69
	6,000	6,999	\$17.10	0.000	\$2.69
	7,000	7,999	\$17.10	0.000	\$2.69
	8,000	8,999	\$17.10	0.000	\$2.69
	9,000	9,999	\$17.10	0.000	\$2.69
	10,000	14,999	\$17.10	0.000	\$3.59
	15,000	19,999	\$17.10	0.000	\$3.59
	20,000	29,999	\$17.10	0.000	\$4.79
	30,000	39,999	\$17.10	0.000	\$4.79
	40,000	49,999	\$17.10	0.000	\$4.79
	50,000	59,999	\$17.10	0.000	\$4.79
	60,000	69,999	\$17.10	0.000	\$4.79
	70,000	79,999	\$17.10	0.000	\$4.79
	80,000	89,999	\$17.10	0.000	\$4.79
	90,000	99,999	\$17.10	0.000	\$4.79
100,000	109,999	\$17.10	0.000	\$4.79	
110,000	119,999	\$17.10	0.000	\$4.79	
120,000	129,999	\$17.10	0.000	\$4.79	
130,000	139,999	\$17.10	0.000	\$4.79	
140,000	149,999	\$17.10	0.000	\$4.79	
150,000	159,999	\$17.10	0.000	\$4.79	
160,000	99,999,999	\$17.10	0.000	\$4.79	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 1 - Recommended Rates

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
1.000" Commercial	0	999	\$24.13	0.000	\$2.02
	1,000	1,999	\$24.13	0.000	\$2.02
	2,000	2,999	\$24.13	0.000	\$2.02
	3,000	3,999	\$24.13	0.000	\$2.02
	4,000	4,999	\$24.13	0.000	\$2.02
	5,000	5,999	\$24.13	0.000	\$2.69
	6,000	6,999	\$24.13	0.000	\$2.69
	7,000	7,999	\$24.13	0.000	\$2.69
	8,000	8,999	\$24.13	0.000	\$2.69
	9,000	9,999	\$24.13	0.000	\$2.69
	10,000	14,999	\$24.13	0.000	\$3.59
	15,000	19,999	\$24.13	0.000	\$3.59
	20,000	29,999	\$24.13	0.000	\$4.79
	30,000	39,999	\$24.13	0.000	\$4.79
	40,000	49,999	\$24.13	0.000	\$4.79
	50,000	59,999	\$24.13	0.000	\$4.79
	60,000	69,999	\$24.13	0.000	\$4.79
70,000	79,999	\$24.13	0.000	\$4.79	
80,000	89,999	\$24.13	0.000	\$4.79	
90,000	99,999	\$24.13	0.000	\$4.79	
100,000	109,999	\$24.13	0.000	\$4.79	
110,000	119,999	\$24.13	0.000	\$4.79	
120,000	129,999	\$24.13	0.000	\$4.79	
130,000	139,999	\$24.13	0.000	\$4.79	
140,000	149,999	\$24.13	0.000	\$4.79	
150,000	159,999	\$24.13	0.000	\$4.79	
160,000	99,999,999	\$24.13	0.000	\$4.79	
1.500" Commercial	0	999	\$35.83	0.000	\$2.02
	1,000	1,999	\$35.83	0.000	\$2.02
	2,000	2,999	\$35.83	0.000	\$2.02
	3,000	3,999	\$35.83	0.000	\$2.02
	4,000	4,999	\$35.83	0.000	\$2.02
	5,000	5,999	\$35.83	0.000	\$2.69
	6,000	6,999	\$35.83	0.000	\$2.69
	7,000	7,999	\$35.83	0.000	\$2.69
	8,000	8,999	\$35.83	0.000	\$2.69
	9,000	9,999	\$35.83	0.000	\$2.69
	10,000	14,999	\$35.83	0.000	\$3.59
	15,000	19,999	\$35.83	0.000	\$3.59
	20,000	29,999	\$35.83	0.000	\$4.79
	30,000	39,999	\$35.83	0.000	\$4.79
	40,000	49,999	\$35.83	0.000	\$4.79
	50,000	59,999	\$35.83	0.000	\$4.79
	60,000	69,999	\$35.83	0.000	\$4.79
70,000	79,999	\$35.83	0.000	\$4.79	
80,000	89,999	\$35.83	0.000	\$4.79	
90,000	99,999	\$35.83	0.000	\$4.79	
100,000	109,999	\$35.83	0.000	\$4.79	
110,000	119,999	\$35.83	0.000	\$4.79	
120,000	129,999	\$35.83	0.000	\$4.79	
130,000	139,999	\$35.83	0.000	\$4.79	
140,000	149,999	\$35.83	0.000	\$4.79	
150,000	159,999	\$35.83	0.000	\$4.79	
160,000	99,999,999	\$35.83	0.000	\$4.79	



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 1 - Recommended Rates

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
2.000" Commercial	0	999	\$87.34	0.000	\$2.02
	1,000	1,999	\$87.34	0.000	\$2.02
	2,000	2,999	\$87.34	0.000	\$2.02
	3,000	3,999	\$87.34	0.000	\$2.02
	4,000	4,999	\$87.34	0.000	\$2.02
	5,000	5,999	\$87.34	0.000	\$2.69
	6,000	6,999	\$87.34	0.000	\$2.69
	7,000	7,999	\$87.34	0.000	\$2.69
	8,000	8,999	\$87.34	0.000	\$2.69
	9,000	9,999	\$87.34	0.000	\$2.69
	10,000	14,999	\$87.34	0.000	\$3.59
	15,000	19,999	\$87.34	0.000	\$3.59
	20,000	29,999	\$87.34	0.000	\$4.79
	30,000	39,999	\$87.34	0.000	\$4.79
	40,000	49,999	\$87.34	0.000	\$4.79
	50,000	59,999	\$87.34	0.000	\$4.79
	60,000	69,999	\$87.34	0.000	\$4.79
70,000	79,999	\$87.34	0.000	\$4.79	
80,000	89,999	\$87.34	0.000	\$4.79	
90,000	99,999	\$87.34	0.000	\$4.79	
100,000	109,999	\$87.34	0.000	\$4.79	
110,000	119,999	\$87.34	0.000	\$4.79	
120,000	129,999	\$87.34	0.000	\$4.79	
130,000	139,999	\$87.34	0.000	\$4.79	
140,000	149,999	\$87.34	0.000	\$4.79	
150,000	159,999	\$87.34	0.000	\$4.79	
160,000	99,999,999	\$87.34	0.000	\$4.79	
3.000" Commercial	0	999	\$216.12	0.000	\$2.02
	1,000	1,999	\$216.12	0.000	\$2.02
	2,000	2,999	\$216.12	0.000	\$2.02
	3,000	3,999	\$216.12	0.000	\$2.02
	4,000	4,999	\$216.12	0.000	\$2.02
	5,000	5,999	\$216.12	0.000	\$2.69
	6,000	6,999	\$216.12	0.000	\$2.69
	7,000	7,999	\$216.12	0.000	\$2.69
	8,000	8,999	\$216.12	0.000	\$2.69
	9,000	9,999	\$216.12	0.000	\$2.69
	10,000	14,999	\$216.12	0.000	\$3.59
	15,000	19,999	\$216.12	0.000	\$3.59
	20,000	29,999	\$216.12	0.000	\$4.79
	30,000	39,999	\$216.12	0.000	\$4.79
	40,000	49,999	\$216.12	0.000	\$4.79
	50,000	59,999	\$216.12	0.000	\$4.79
	60,000	69,999	\$216.12	0.000	\$4.79
70,000	79,999	\$216.12	0.000	\$4.79	
80,000	89,999	\$216.12	0.000	\$4.79	
90,000	99,999	\$216.12	0.000	\$4.79	
100,000	109,999	\$216.12	0.000	\$4.79	
110,000	119,999	\$216.12	0.000	\$4.79	
120,000	129,999	\$216.12	0.000	\$4.79	
130,000	139,999	\$216.12	0.000	\$4.79	
140,000	149,999	\$216.12	0.000	\$4.79	
150,000	159,999	\$216.12	0.000	\$4.79	
160,000	99,999,999	\$216.12	0.000	\$4.79	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 1 - Recommended Rates

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
4.000" Commercial	0	999	\$363.62	0.000	\$2.02
	1,000	1,999	\$363.62	0.000	\$2.02
	2,000	2,999	\$363.62	0.000	\$2.02
	3,000	3,999	\$363.62	0.000	\$2.02
	4,000	4,999	\$363.62	0.000	\$2.02
	5,000	5,999	\$363.62	0.000	\$2.69
	6,000	6,999	\$363.62	0.000	\$2.69
	7,000	7,999	\$363.62	0.000	\$2.69
	8,000	8,999	\$363.62	0.000	\$2.69
	9,000	9,999	\$363.62	0.000	\$2.69
	10,000	14,999	\$363.62	0.000	\$3.59
	15,000	19,999	\$363.62	0.000	\$3.59
	20,000	29,999	\$363.62	0.000	\$4.79
	30,000	39,999	\$363.62	0.000	\$4.79
	40,000	49,999	\$363.62	0.000	\$4.79
	50,000	59,999	\$363.62	0.000	\$4.79
	60,000	69,999	\$363.62	0.000	\$4.79
70,000	79,999	\$363.62	0.000	\$4.79	
80,000	89,999	\$363.62	0.000	\$4.79	
90,000	99,999	\$363.62	0.000	\$4.79	
100,000	109,999	\$363.62	0.000	\$4.79	
110,000	119,999	\$363.62	0.000	\$4.79	
120,000	129,999	\$363.62	0.000	\$4.79	
130,000	139,999	\$363.62	0.000	\$4.79	
140,000	149,999	\$363.62	0.000	\$4.79	
150,000	159,999	\$363.62	0.000	\$4.79	
160,000	99,999,999	\$363.62	0.000	\$4.79	
Hydrant 2" Meter Bulk Users	0	999	\$87.34	0.000	\$2.02
	1,000	1,999	\$87.34	0.000	\$2.02
	2,000	2,999	\$87.34	0.000	\$2.02
	3,000	3,999	\$87.34	0.000	\$2.02
	4,000	4,999	\$87.34	0.000	\$2.02
	5,000	5,999	\$87.34	0.000	\$2.69
	6,000	6,999	\$87.34	0.000	\$2.69
	7,000	7,999	\$87.34	0.000	\$2.69
	8,000	8,999	\$87.34	0.000	\$2.69
	9,000	9,999	\$87.34	0.000	\$2.69
	10,000	14,999	\$87.34	0.000	\$3.59
	15,000	19,999	\$87.34	0.000	\$3.59
	20,000	29,999	\$87.34	0.000	\$4.79
	30,000	39,999	\$87.34	0.000	\$4.79
	40,000	49,999	\$87.34	0.000	\$4.79
	50,000	59,999	\$87.34	0.000	\$4.79
	60,000	69,999	\$87.34	0.000	\$4.79
70,000	79,999	\$87.34	0.000	\$4.79	
80,000	89,999	\$87.34	0.000	\$4.79	
90,000	99,999	\$87.34	0.000	\$4.79	
100,000	109,999	\$87.34	0.000	\$4.79	
110,000	119,999	\$87.34	0.000	\$4.79	
120,000	129,999	\$87.34	0.000	\$4.79	
130,000	139,999	\$87.34	0.000	\$4.79	
140,000	149,999	\$87.34	0.000	\$4.79	
150,000	159,999	\$87.34	0.000	\$4.79	
160,000	99,999,999	\$87.34	0.000	\$4.79	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 2 - User Base and Operating Incomes

This table depicts user statistics and system incomes during the test year and for the next 10 years.

### Annual Median Household Income (AMHI)

\$29,487	Census Bureau estimate of AMHI for the year:	2013
\$27,292	Census Bureau estimate of AMHI for the year:	2000
\$2,195 AMHI growth during this time period		
0.62% Simple annual income growth rate during this time period (used to project incomes into the future)		

### Test Year Growth of Customer Base and Average Tap Fee Paid per Connection

60	Number of new taps or installations made during the test year
\$1,398	Average tap or installation fee assessed during the test year

The gray highlighted row below shows the rate revenue increase for "This Year" (heading highlighted blue). However, for "This Year," each customer's bill will go up or down based upon how the new rates apply to their actual use and demand. In future years it is assumed that all rates and fees will go up, either by a simple inflationary factor shown on this line or restructured rates that produce this level of income increases.

In the "This Year" column below (heading highlighted blue), revenues will be collected at the now-current rates for the first part of the year and the modeled rates for the last part of the year starting on the date near the top of Table 12. Thus, the revenues shown in the last column of the table are "blended" revenues; part collected at the old rates and part collected at the new rates. It was then assumed that all rate adjustments made after the initial (major) adjustment will be done in time each year so fees can be collected from the first day of each new year at the (annually) adjusted rates.

### User Base

(First year balances and incomes are <u>actual</u> , subsequent years are <u>projected</u> .)	Infla./De- flation (-) Factor	Test Year	This Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year
		Starting 7/1/14	Starting 7/1/15	Starting 7/1/16	Starting 7/1/17	Starting 7/1/18	Starting 7/1/19	Starting 7/1/20	Starting 7/1/21	Starting 7/1/22	Starting 7/1/23	Starting 7/1/24
Average Users for the Year	NA	5261	5321	5381	5441	5501	5561	5621	5681	5741	5801	5861
Users Added/Lost During the Year	NA	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
User Growth or Loss Rate	NA	1.14%	1.13%	1.12%	1.12%	1.09%	1.08%	1.07%	1.06%	1.05%	1.03%	1.02%
Rate Increases Projected for Future Years	NA	NA	NA	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%

### How User Charge Fees Were Calculated, Accounting for New Customers and Future Rate Increases

Actual or Calculated Sales Revenues	\$2,586,085	\$2,866,641	\$2,939,781	\$3,076,599	\$3,219,786	\$3,368,825	\$3,524,353	\$3,686,642	\$3,855,973	\$4,032,641	\$4,216,953
Additional Sales Revenues From New Customers		\$32,324	\$32,779	\$34,305	\$35,118	\$36,347	\$37,619	\$38,936	\$40,299	\$41,709	\$43,169
Total Calculated Revenues	\$2,586,085	\$2,898,965	\$2,972,560	\$3,110,904	\$3,254,904	\$3,405,172	\$3,561,973	\$3,725,578	\$3,896,272	\$4,074,350	\$4,260,122

### Operating Incomes

User Charge Fees	NA	\$2,586,085	\$2,898,965	\$2,972,560	\$3,110,904	\$3,254,904	\$3,405,172	\$3,561,973	\$3,725,578	\$3,896,272	\$4,074,350	\$4,260,122
Late Payment Charge	NA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Tap Fees, Current Rate Structure (Installation Charges)	% Above	\$83,876	\$69,897	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Meter-size Based Tap Fees (Table 9)	% Above	\$0	\$18,240	\$113,271	\$117,236	\$121,339	\$125,586	\$129,982	\$134,531	\$139,240	\$144,113	\$149,157
Interest Income	NA	\$28,081	\$18,298	\$11,781	\$14,624	\$15,155	\$15,752	\$16,288	\$16,893	\$17,573	\$18,186	\$18,877
Miscellaneous Income (Loan Proceeds Closeout)	NA	\$836,394	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DAC O & M Revenue	NA	\$2,859	\$2,859	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disconnect/Reconnect Fees	NA	\$52,985	\$52,985	\$52,985	\$52,985	\$52,985	\$52,985	\$52,985	\$52,985	\$52,985	\$52,985	\$52,985
Effluent (Sale of Wastewater for Irrigation)	NA	\$14,837	\$14,837	\$14,837	\$14,837	\$14,837	\$14,837	\$14,837	\$14,837	\$14,837	\$14,837	\$14,837
Membership Revenues	NA	\$12,975	\$12,975	\$12,975	\$12,975	\$12,975	\$12,975	\$12,975	\$12,975	\$12,975	\$12,975	\$12,975
O & M Revenue	NA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Penalties	NA	\$94,326	\$94,326	\$94,326	\$94,326	\$94,326	\$94,326	\$94,326	\$94,326	\$94,326	\$94,326	\$94,326
Refunds	NA	\$29,946	\$14,946	\$14,946	\$14,946	\$14,946	\$14,946	\$14,946	\$14,946	\$14,946	\$14,946	\$14,946
Rental Income	NA	\$4,750	\$4,750	\$4,750	\$4,750	\$4,750	\$4,750	\$4,750	\$4,750	\$4,750	\$4,750	\$4,750
Service Charges	NA	\$1,290	\$1,290	\$1,290	\$1,290	\$1,290	\$1,290	\$1,290	\$1,290	\$1,290	\$1,290	\$1,290
Water Conservation Fee	NA	\$16,568	\$16,568	\$16,568	\$16,568	\$16,568	\$16,568	\$16,568	\$16,568	\$16,568	\$16,568	\$16,568
Water Rights Revenue	NA	\$96,250	\$96,250	\$96,250	\$96,250	\$96,250	\$96,250	\$96,250	\$96,250	\$96,250	\$96,250	\$96,250
Revenue Loss ( - ) Due to Conservation	0.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Operating Incomes		\$3,861,222	\$3,317,185	\$3,406,539	\$3,551,691	\$3,700,324	\$3,855,437	\$4,017,169	\$4,185,928	\$4,362,011	\$4,545,576	\$4,737,082

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Table 3 - Operating Costs and Net Income

This table depicts expenses during the test year, this year and for the next 10 years.  
 (First year costs and net incomes are actual,  
 subsequent years are projected.)

	Infla./De- flation (-) Factor	Test Year Starting 7/1/14	This Year Starting 7/1/15	2nd Year Starting 7/1/16	3rd Year Starting 7/1/17	4th Year Starting 7/1/18	5th Year Starting 7/1/19	6th Year Starting 7/1/20	7th Year Starting 7/1/21	8th Year Starting 7/1/22	9th Year Starting 7/1/23	10th Year Starting 7/1/24
(Note: Some future costs will experience inflation. Those costs that go up as use goes up are also increased by the growth rate in users and the percentage by which that cost is variable as reported in Chart 4.)												
Advertising & Promotion	4.0%	\$4,175	\$4,342	\$4,566	\$4,801	\$5,048	\$5,306	\$5,577	\$5,862	\$6,160	\$6,473	\$6,800
Annual Audit	4.0%	\$22,060	\$22,943	\$23,861	\$24,815	\$25,808	\$26,840	\$27,913	\$29,030	\$30,191	\$31,399	\$32,655
Association Dues & Memberships	4.0%	\$1,479	\$1,538	\$1,600	\$1,664	\$1,730	\$1,799	\$1,871	\$1,946	\$2,024	\$2,105	\$2,189
Board Meeting Per Diem	4.0%	\$9,115	\$9,480	\$9,859	\$10,253	\$10,663	\$11,090	\$11,533	\$11,995	\$12,475	\$12,973	\$13,492
Building Repair & Maintenance	4.0%	\$1,717	\$1,786	\$1,857	\$1,931	\$2,009	\$2,089	\$2,172	\$2,259	\$2,350	\$2,444	\$2,541
Cellular Phone	4.0%	\$7,175	\$7,462	\$7,760	\$8,070	\$8,393	\$8,729	\$9,078	\$9,441	\$9,819	\$10,212	\$10,620
Chemicals	4.0%	\$18,674	\$19,640	\$20,653	\$21,719	\$22,834	\$24,004	\$25,230	\$26,517	\$27,866	\$29,280	\$30,763
Company Insurance	4.0%	\$40,372	\$41,987	\$43,666	\$45,413	\$47,230	\$49,119	\$51,083	\$53,127	\$55,252	\$57,462	\$59,760
Contract Labor	4.0%	\$6,701	\$6,969	\$6,969	\$6,969	\$6,969	\$6,969	\$6,969	\$6,969	\$6,969	\$6,969	\$6,969
Debt Service - Interest (Loan Closeout)	4.0%	\$146,461	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service - Principal (Loan Closeout)	4.0%	\$1,129,431	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dental Insurance	4.0%	\$3,704	\$3,853	\$4,007	\$4,167	\$4,334	\$4,507	\$4,687	\$4,875	\$5,070	\$5,273	\$5,484
EBID Fees (ROW Lease)	0.0%	\$13,496	\$13,496	\$13,496	\$13,496	\$13,496	\$13,496	\$13,496	\$13,496	\$13,496	\$13,496	\$13,496
Educational Assistance	4.0%	\$2,880	\$2,995	\$3,115	\$3,240	\$3,369	\$3,504	\$3,644	\$3,790	\$3,941	\$4,099	\$4,263
Electric	4.0%	\$245,003	\$257,676	\$270,971	\$284,952	\$299,582	\$314,927	\$331,020	\$347,897	\$365,594	\$384,151	\$403,606
Engineering Services	4.0%	\$104,948	\$60,000	\$75,000	\$78,000	\$81,120	\$84,365	\$87,739	\$91,249	\$94,899	\$98,695	\$102,643
Equipment Rentals	4.0%	\$2,015	\$2,095	\$2,179	\$2,266	\$2,357	\$2,451	\$2,549	\$2,651	\$2,757	\$2,868	\$2,982
Equipment Repairs & Maintenance	4.0%	\$4,905	\$5,101	\$5,305	\$5,518	\$5,738	\$5,968	\$6,207	\$6,455	\$6,713	\$6,982	\$7,261
FICA Tax Expense	4.0%	\$50,638	\$52,664	\$54,771	\$56,961	\$59,240	\$61,609	\$64,074	\$66,637	\$69,302	\$72,074	\$74,957
Financial Services	4.0%	\$6,939	\$7,216	\$7,505	\$7,805	\$8,117	\$8,442	\$8,780	\$9,131	\$9,496	\$9,876	\$10,271
Food	4.0%	\$1,387	\$1,443	\$1,500	\$1,560	\$1,623	\$1,688	\$1,755	\$1,826	\$1,899	\$1,974	\$2,053
Fuel & Oil	4.0%	\$21,324	\$22,177	\$23,064	\$23,986	\$24,946	\$25,943	\$26,981	\$28,060	\$29,183	\$30,350	\$31,564
FUTA Expense (Fed Unemployment Tax)	4.0%	\$12,234	\$900	\$1,000	\$1,040	\$1,082	\$1,125	\$1,170	\$1,217	\$1,265	\$1,316	\$1,369
Gas Service	4.0%	\$1,074	\$1,117	\$1,162	\$1,208	\$1,257	\$1,307	\$1,359	\$1,414	\$1,470	\$1,529	\$1,590
Health Insurance	8.0%	\$74,107	\$95,000	\$102,600	\$110,808	\$119,673	\$129,246	\$139,586	\$150,753	\$162,813	\$175,838	\$189,905
Internet Service	4.0%	\$3,023	\$3,144	\$3,269	\$3,400	\$3,536	\$3,678	\$3,825	\$3,978	\$4,137	\$4,302	\$4,474
IT Services	4.0%	\$26,200	\$27,247	\$28,337	\$29,471	\$30,650	\$31,876	\$33,151	\$34,477	\$35,856	\$37,290	\$38,782
Janitor Services & Supplies	4.0%	\$5,393	\$5,609	\$5,833	\$6,067	\$6,309	\$6,562	\$6,824	\$7,097	\$7,381	\$7,676	\$7,983
Land Easements	4.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Leasing & Maint. Agreements	4.0%	\$56,377	\$123,632	\$128,577	\$133,720	\$139,069	\$144,632	\$150,417	\$156,434	\$162,691	\$169,199	\$175,967
Legal Services	4.0%	\$215,148	\$150,000	\$150,000	\$156,000	\$162,240	\$168,730	\$175,479	\$182,498	\$189,798	\$197,390	\$205,285
Licenses, Permits, Fees	4.0%	\$53,025	\$55,146	\$57,352	\$59,646	\$62,032	\$64,513	\$67,094	\$69,778	\$72,569	\$75,472	\$78,490
Mandatory Medical	4.0%	\$1,360	\$1,414	\$1,471	\$1,530	\$1,591	\$1,655	\$1,721	\$1,790	\$1,861	\$1,936	\$2,013
Miscellaneous Expense	4.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Office Repairs & Maintenance	4.0%	\$54	\$57	\$59	\$61	\$64	\$66	\$69	\$72	\$75	\$78	\$81
Other Professional Services	4.0%	\$80,709	\$60,000	\$63,096	\$66,351	\$69,758	\$73,331	\$77,078	\$81,008	\$85,129	\$89,450	\$93,980
Overtime	4.0%	\$28,004	\$29,124	\$30,289	\$31,501	\$32,761	\$34,071	\$35,434	\$36,852	\$38,326	\$39,859	\$41,453

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Table 3 - Operating Costs and Net Income

Dona Ana MDWCA, Las Cruces, NM, Water Rates Scenario 2016-3

This table depicts expenses during the test year, this year and for the next 10 years. (Cont.)

	Infla./De- flation (-) Factor	Test Year Starting 7/1/14	This Year Starting 7/1/15	2nd Year Starting 7/1/16	3rd Year Starting 7/1/17	4th Year Starting 7/1/18	5th Year Starting 7/1/19	6th Year Starting 7/1/20	7th Year Starting 7/1/21	8th Year Starting 7/1/22	9th Year Starting 7/1/23	10th Year Starting 7/1/24	
Postage & Shipping	4.0%	\$61,074	\$63,517	\$66,057	\$68,700	\$71,448	\$74,306	\$77,278	\$80,369	\$83,584	\$86,927	\$90,404	
Pubic Employees Retirement Association	4.0%	\$56,920	\$59,197	\$61,564	\$64,027	\$66,588	\$69,252	\$72,022	\$74,903	\$77,899	\$81,015	\$84,255	
Real Estate Taxes	4.0%	\$13,478	\$14,017	\$14,578	\$15,161	\$15,768	\$16,398	\$17,054	\$17,736	\$18,446	\$19,184	\$19,951	
Safety Equipment	4.0%	\$1,109	\$1,153	\$1,199	\$1,247	\$1,297	\$1,349	\$1,403	\$1,459	\$1,518	\$1,578	\$1,642	
Salaries	4.0%	\$638,352	\$643,886	\$669,642	\$696,428	\$724,285	\$753,256	\$783,386	\$814,722	\$847,311	\$881,203	\$916,451	
Sample Testing	4.0%	\$11,157	\$11,604	\$12,068	\$12,551	\$13,053	\$13,575	\$14,118	\$14,682	\$15,270	\$15,881	\$16,516	
Small Tools	4.0%	\$1,381	\$1,436	\$1,493	\$1,553	\$1,615	\$1,680	\$1,747	\$1,817	\$1,890	\$1,965	\$2,044	
STD/LTD/Life	4.0%	\$6,629	\$6,894	\$7,169	\$7,456	\$7,754	\$8,065	\$8,387	\$8,723	\$9,072	\$9,434	\$9,812	
Supplies & Expenses	4.0%	\$133,732	\$139,082	\$144,645	\$150,431	\$156,448	\$162,706	\$169,214	\$175,983	\$183,022	\$190,343	\$197,956	
SUTA Expense (State Unemployment Tax)	4.0%	\$4,944	\$25,000	\$26,000	\$27,040	\$28,122	\$29,246	\$30,416	\$31,633	\$32,898	\$34,214	\$35,583	
System Repairs & Maintenance	4.0%	\$69,393	\$72,169	\$75,056	\$78,058	\$81,180	\$84,428	\$87,805	\$91,317	\$94,970	\$98,768	\$102,719	
Telephone	4.0%	\$9,308	\$9,680	\$10,067	\$10,470	\$10,889	\$11,324	\$11,777	\$12,248	\$12,738	\$13,248	\$13,778	
Trainings & Seminars	4.0%	\$7,921	\$12,000	\$12,480	\$12,979	\$13,498	\$14,038	\$14,600	\$15,184	\$15,791	\$16,423	\$17,080	
Trash Service	4.0%	\$3,373	\$3,507	\$3,648	\$3,794	\$3,945	\$4,103	\$4,267	\$4,438	\$4,616	\$4,800	\$4,992	
Travel	4.0%	\$1,685	\$10,000	\$10,400	\$10,816	\$11,249	\$11,699	\$12,167	\$12,653	\$13,159	\$13,686	\$14,233	
Uniforms	4.0%	\$3,260	\$3,390	\$3,525	\$3,667	\$3,813	\$3,966	\$4,124	\$4,289	\$4,461	\$4,639	\$4,825	
Vehicle Repairs & Maintenance	4.0%	\$4,402	\$4,579	\$4,762	\$4,952	\$5,150	\$5,356	\$5,570	\$5,793	\$6,025	\$6,266	\$6,517	
Vision insurance	4.0%	\$1,234	\$1,283	\$1,334	\$1,388	\$1,443	\$1,501	\$1,561	\$1,623	\$1,688	\$1,756	\$1,826	
Water Conservation Fee	4.0%	\$21,284	\$22,135	\$23,020	\$23,941	\$24,899	\$25,895	\$26,931	\$28,008	\$29,128	\$30,293	\$31,505	
Water/Sewer Service	4.0%	\$2,061	\$2,143	\$2,229	\$2,318	\$2,411	\$2,507	\$2,607	\$2,712	\$2,820	\$2,933	\$3,050	
Workman's Comp	4.0%	\$19,084	\$19,848	\$20,641	\$21,467	\$22,326	\$23,219	\$24,148	\$25,114	\$26,118	\$27,163	\$28,249	
Temporary Non-payment to Replacement Fund	4.0%	-\$445,933	-\$445,933	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Annual Payment to Replacement Fund (Table 17)</b>	0.0%	\$445,933	\$445,933	\$445,933	\$445,933	\$445,933	\$445,933	\$445,933	\$445,933	\$445,933	\$445,933	\$445,933	
<b>User Charge Analysis Services</b>	5.0%	\$0	\$7,452	\$0	\$0	\$8,216	\$0	\$0	\$9,058	\$0	\$0	\$9,986	
CIP Spending Plan	N.A.	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	
<b>Total Operating Costs</b>		\$3,485,421	\$2,244,050	\$2,785,603	\$2,886,641	\$3,000,385	\$3,102,444	\$3,217,691	\$3,347,205	\$3,464,061	\$3,595,694	\$3,743,309	
<b>Net Income (or Loss)</b>		\$375,801	\$1,073,135	\$620,936	\$665,050	\$699,940	\$752,993	\$799,478	\$838,723	\$897,950	\$949,882	\$993,774	
Working Capital Goal: 35%		In Dollars, That is:	\$1,219,897	\$785,418	\$974,961	\$1,010,324	\$1,050,135	\$1,085,855	\$1,126,192	\$1,171,522	\$1,212,421	\$1,258,493	\$1,310,158

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Table 4 - Capital Improvement Program

This table depicts capital improvements and their funding. Costs reflect inflation.

	Test Year Starting 7/1/14	This Year Starting 7/1/15	Next Year Starting 7/1/16	3rd Year Starting 7/1/17	4th Year Starting 7/1/18	5th Year Starting 7/1/19	6th Year Starting 7/1/20	7th Year Starting 7/1/21	8th Year Starting 7/1/22	9th Year Starting 7/1/23	10th Year Starting 7/1/24
<b>CIP Spending Plan</b>											
(The portion of improvements that will be funded with loans are shown in this section. The balance of each of these improvements will be funded with grants and/or utility reserves. That is shown in the next section.)											
Capital Improvements to be Paid With Debt											
Colonias, Fairview Phase 2	\$0	\$0	\$0	\$110,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
USDA, Radium Springs	\$0	\$0	\$0	\$1,260,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Trust Board, Via Norte Waterline	\$0	\$0	\$0	\$440,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Trust Board, Westwind Water Improvement	\$0	\$0	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Assumed Continuation of Current Level of CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,210,000	\$0	\$0
<b>Total Capital Improvements to be Paid With Debt</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,210,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,210,000</b>	<b>\$0</b>	<b>\$0</b>
(This section includes the grant and reserves-funded portion of each improvement project. The actual grant amounts expected are shown in the CIP Funding Plan section that follows.)											
Capital Improvements to be Paid With Cash											
Reserve Funds, New Vehicles for Operations and Administration	\$0	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Reserve Funds, Purchase of new water system	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Assumed Continuation of Current Level of CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$375,000	\$0	\$0
<b>Total Cap Improvements to be Paid With Cash</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375,000</b>	<b>\$0</b>	<b>\$0</b>
<b>Total CIP Planned Spending</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,585,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,585,000</b>	<b>\$0</b>	<b>\$0</b>
<b>CIP Funding Plan</b>											
CIP and Debt Reserve Starting Balance	\$0	\$321,238	\$1,219,997	\$1,069,496	\$737,774	\$692,006	\$702,009	\$754,180	\$842,168	\$621,453	\$706,340
Working Capital Transferred to CIP and Debt Reserve	\$939,732	\$1,507,615	\$431,393	\$629,686	\$660,130	\$717,272	\$759,141	\$793,393	\$857,050	\$903,810	\$942,109
CIP and Debt Reserve Interest Earned (or Paid)	\$0	\$9,637	\$36,600	\$32,085	\$22,133	\$20,760	\$21,060	\$22,625	\$25,265	\$18,644	\$21,190
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
All New Loans Combined				\$2,210,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Loan for Assumed Continuation of Current Level of CIP									\$2,210,000	\$0	\$0
<b>Total CIP Reserve and Income Sources</b>	<b>\$939,732</b>	<b>\$1,838,490</b>	<b>\$1,687,990</b>	<b>\$3,941,267</b>	<b>\$1,420,037</b>	<b>\$1,430,039</b>	<b>\$1,482,210</b>	<b>\$1,570,199</b>	<b>\$3,934,484</b>	<b>\$1,543,907</b>	<b>\$1,669,639</b>
<b>CIP Debt Payment Plan</b>											
RUS/USDA, North Tank #1 & Well	\$28,700	\$28,700	\$28,700	\$28,700	\$28,700	\$28,700	\$28,700	\$28,700	\$28,700	\$28,700	\$28,700
RUS/USDA, Fort Selden Water Company Asset Purchase	\$88,018	\$88,018	\$88,018	\$88,018	\$88,018	\$88,018	\$88,018	\$88,018	\$88,018	\$88,018	\$88,018
NMED RIP 2013 -01, Picacho Hills Utility Company Asset Purchase**	\$101,476	\$101,476	\$101,476	\$101,476	\$101,476	\$101,476	\$101,476	\$101,476	\$101,476	\$101,476	\$101,476
NMFA/WTB 55, W/WW Reclamation, Collection & Surface Water	\$975	\$975	\$975	\$975	\$975	\$975	\$975	\$975	\$975	\$975	\$975
NMFA/WTB 83, W/WW Reclamation, Collection & Surface Water	\$13,652	\$13,652	\$13,652	\$13,652	\$13,652	\$13,652	\$13,652	\$13,652	\$13,652	\$13,652	\$13,652
NMFA/WTB 243, Surface Water Transmission Line	\$72,057	\$72,057	\$72,057	\$72,057	\$72,057	\$72,057	\$72,057	\$72,057	\$72,057	\$72,057	\$72,057
NMFA/CI 2770, Water Distribution Armstrong/Enlger	\$1,785	\$1,785	\$1,785	\$1,785	\$1,785	\$1,785	\$1,785	\$1,785	\$1,785	\$1,785	\$1,785
NMFA/DW 2868, AMR System & Phase II SCADA	\$94,459	\$94,459	\$94,459	\$94,459	\$94,459	\$94,459	\$94,459	\$94,459	\$94,459	\$94,459	\$94,459
NMFA/WTB 271, Surface Water Transmission Line	\$82,117	\$82,117	\$82,117	\$82,117	\$82,117	\$82,117	\$82,117	\$82,117	\$82,117	\$82,117	\$82,117
NMFA/CI 2797, Water Distribution DA Road/DA School Road	\$7,668	\$7,668	\$7,668	\$7,668	\$7,668	\$7,668	\$7,668	\$7,668	\$7,668	\$7,668	\$7,668
NMFA/CI 3184, Design Radium Springs Water Distribution	\$510	\$510	\$510	\$510	\$510	\$510	\$510	\$510	\$510	\$510	\$510
NMFA/CI 3177, Design Fairview Water Distribution	\$940	\$940	\$940	\$940	\$940	\$940	\$940	\$940	\$940	\$940	\$940
NMFA/DW 3227, Water Distribution Fairview/Picacho Hills Water Tanks	\$126,136	\$126,136	\$126,136	\$126,136	\$126,136	\$126,136	\$126,136	\$126,136	\$126,136	\$126,136	\$126,136
All New Loans Combined					\$109,537	\$109,537	\$109,537	\$109,537	\$109,537	\$109,537	\$109,537
Loan for Assumed Continuation of Current Level of CIP										\$109,537	\$109,537
<b>Total Debt Payments</b>	<b>\$618,493</b>	<b>\$618,493</b>	<b>\$618,493</b>	<b>\$618,493</b>	<b>\$728,030</b>	<b>\$728,030</b>	<b>\$728,030</b>	<b>\$728,030</b>	<b>\$728,030</b>	<b>\$837,567</b>	<b>\$837,567</b>
<b>CIP Spending Net of Grant/Loan Proceeds and Other External Incomes</b>	<b>\$618,493</b>	<b>\$618,493</b>	<b>\$618,493</b>	<b>\$993,493</b>	<b>\$728,030</b>	<b>\$728,030</b>	<b>\$728,030</b>	<b>\$728,030</b>	<b>\$1,103,030</b>	<b>\$837,567</b>	<b>\$837,567</b>
<b>CIP and Debt Reserve Ending Balance</b>	<b>\$321,238</b>	<b>\$1,219,997</b>	<b>\$1,069,496</b>	<b>\$737,774</b>	<b>\$692,006</b>	<b>\$702,009</b>	<b>\$754,180</b>	<b>\$842,168</b>	<b>\$621,453</b>	<b>\$706,340</b>	<b>\$832,072</b>

Notes: The district has many expensive distribution system improvements to make. Some of these expenses will be funded with reserves, some with loans.

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Table 5 - Capacity Cost Recovery

This table shows tap and capacity fee revenues and costs to expect. From these costs, tap fees and capacity demand charges will be developed in Table 5 and Table 8, respectively.

(First year figures are actual, subsequent years are projected.)

	Infla./De- flation (-) Factor	Year Starting 7/1/14	Year Starting 7/1/15	Year Starting 7/1/16	Year Starting 7/1/17	Year Starting 7/1/18	Year Starting 7/1/19	Year Starting 7/1/20	Year Starting 7/1/21	Year Starting 7/1/22	Year Starting 7/1/23	Year Starting 7/1/24
<b>Tap Fee Revenues</b>												
Customers (Taps) Added During the Year		60	60	60	60	60	60	60	60	60	60	60
Weighted Average Fee per New Tap	3.5%	\$1,398	\$1,469	\$1,888	\$1,954	\$2,022	\$2,093	\$2,166	\$2,242	\$2,321	\$2,402	\$2,486
Total Tap Fee Revenues	N.A.	\$83,876	\$88,137	\$113,271	\$117,236	\$121,339	\$125,586	\$129,982	\$134,531	\$139,240	\$144,113	\$149,157

#### Operating Costs Associated With Making New Connections

Field Costs for New Connections	4.0%	\$75,000	\$78,000	\$81,120	\$84,365	\$87,739	\$91,249	\$94,899	\$98,695	\$102,643	\$106,748	\$111,018
Administration Costs	4.0%	\$3,000	\$3,120	\$3,245	\$3,375	\$3,510	\$3,650	\$3,796	\$3,948	\$4,106	\$4,270	\$4,441
Total Direct Costs for New Connections		\$78,000	\$81,120	\$84,365	\$87,739	\$91,249	\$94,899	\$98,695	\$102,643	\$106,748	\$111,018	\$115,459

Note: These costs should be recovered by fees charged for making new taps (usually called, "tap fees") regardless of the demand capacity (commonly meter size) of each new tap made.

#### Net Tap Fee Revenues

Revenues Net of Operating Costs		\$5,876	\$7,017	\$28,907	\$29,497	\$30,090	\$30,687	\$31,287	\$31,888	\$32,491	\$33,095	\$33,698
Cum Rev Net of Operating Costs		\$5,876	\$12,893	\$41,799	\$71,296	\$101,386	\$132,073	\$163,360	\$195,248	\$227,740	\$260,834	\$294,532

Note: Connection charges should almost always cover at least the operating costs to make connections. Thus, cumulative revenues net of operating costs (immediately above) should be positive. If they are negative, you are subsidizing new taps.

#### Annualized Capacity Cost (Depreciation)

	Total Fixed Assets Book Value	% of Total Attributable to Capacity	Capacity Cost	Annualized Capacity Cost (see Note)
	\$17,619,984	50.0%	\$8,809,992	\$513,430
Totals	\$17,619,984	50.0%	\$8,809,992	\$513,430

#### Capital Costs Attributable to Growth and Capacity Development (Debt Service, Cash-paid Capital Improvements and/or Depreciation)

	% of CIP Attributable to Capacity
Target % to Recover From Tap Fees	25.0%
Target % to Recover From Capacity Charges	75.0%

Note: Capacity and connection costs WILL be recovered in one way by default, or a combination of ways by design: through regular user fees, in which case existing customers pay the costs to bring on new customers; through "tap" or connection fees, in which case new customers pay "up front" for the costs they cause the system to incur; through on-going demand or capacity charges, preferably based upon meter or connection size, in which case all customers pay for the capacity costs they cause over time; or some combination of these.

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Table 6 - Indicators and Balances

This table depicts the affordability of future rates, the financial health of the system and the ending balances in various accounts for the test year and the next 10 years.

	Starting 7/1/14	Starting 7/1/15	Starting 7/1/16	Starting 7/1/17	Starting 7/1/18	Starting 7/1/19	Starting 7/1/20	Starting 7/1/21	Starting 7/1/22	Starting 7/1/23	Starting 7/1/24	
<b>Capacity Indicators</b>												
Equivalent Final Monthly Bill for a 5,000 gal per Month Residential User Owning 1 Share of Stock	\$27.45	\$27.20	\$28.16	\$29.14	\$30.16	\$31.22	\$32.31	\$33.44	\$34.61	\$35.82	\$37.08	
Annual Median Household Income (AMHI)	\$29,487	\$29,669	\$29,853	\$30,038	\$30,224	\$30,410	\$30,599	\$30,788	\$30,978	\$31,170	\$31,363	
Affordability Index: Current Rates First Column, Then Proposed Rates	1.12%	1.10%	1.13%	1.16%	1.20%	1.23%	1.27%	1.30%	1.34%	1.38%	1.42%	
Affordability Index is the percent of AMHI needed by a 5,000 gallon per month residential user to pay their bill. Rates near 1.0% are common in the U.S. and are generally considered affordable. Federal grant agencies generally will not consider awarding grants if this indicator is less than 2.0%. The above index is only for a 1 share customers but it should be fairly representative of all residential customers.												
Estimated Operating Ratio: Current Rates First Column, Then Proposed Rates	1.51	1.69	1.72	1.37	1.58	1.56	1.56	1.56	1.33	1.51	1.52	
1.0 is break even for Operating Ratio. Below 1.0 indicates operating in the "red." Generally, the operating ratio should be at least 1.15 for large systems, 1.30 or more for medium systems and perhaps as high as 2.0 for small systems.												
Estimated Coverage Ratio: Current Rates First Column, Then Proposed Rates	3.49	4.24	4.31	3.83	3.39	3.46	3.58	3.77	3.52	3.35	3.56	
Coverage Ratio applies only to years with debt service. 1.0 is break even. Generally, the coverage ratio should be at least 1.25.												
<b>Reserves</b>	Balance Ending on 6/30/14	Balance Ending on 6/30/15	Balance Ending on 6/30/16	Balance Ending on 6/30/17	Balance Ending on 6/30/18	Balance Ending on 6/30/19	Balance Ending on 6/30/20	Balance Ending on 6/30/21	Balance Ending on 6/30/22	Balance Ending on 6/30/23	Balance Ending on 6/30/24	Balance Ending on 6/30/25
Current Position (Working Capital)	\$1,783,828	\$1,219,897	\$785,418	\$974,961	\$1,010,324	\$1,050,135	\$1,085,855	\$1,126,192	\$1,171,522	\$1,212,421	\$1,258,493	\$1,310,158
CIP and Debt Reserve	\$0	\$321,238	\$1,219,997	\$1,069,496	\$737,774	\$692,006	\$702,009	\$754,180	\$842,168	\$621,453	\$706,340	\$832,072
Meter Deposits (Assets and Liabilities Balance)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cash Assets (Excluding Dedicated Reserves) Before Inflation	\$1,783,828	\$1,541,136	\$2,005,414	\$2,044,457	\$1,748,098	\$1,742,141	\$1,787,864	\$1,880,372	\$2,013,690	\$1,833,875	\$1,964,833	\$2,142,230
Total Cash Assets (Excluding Dedicated Reserves) Discounted for Inflation (Future Unrestricted Purchasing Power)	\$1,783,828	\$1,541,136	\$2,005,414	\$2,003,568	\$1,678,874	\$1,639,689	\$1,649,069	\$1,699,707	\$1,783,812	\$1,592,033	\$1,671,607	\$1,786,080
Replacement Fund	\$0	\$0	\$87,963	\$171,406	\$250,050	\$323,604	\$391,767	\$454,226	\$510,654	\$560,712	\$604,048	\$640,295
Sum of All Reserves	\$1,783,828	\$1,541,136	\$2,093,378	\$2,215,863	\$1,998,148	\$2,065,745	\$2,179,631	\$2,334,598	\$2,524,344	\$2,394,586	\$2,568,881	\$2,782,525



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 7 - Bill Comparisons Before and After Rate Adjustments

This table compares bills for various volumes at the current rates and billing frequency with what the same volumes would cost at the equivalent modeled rates for that same billing frequency. (An "apples to apples" comparison.) Minimum charge surcharges were calculated for these same classes of users and these bills include those surcharges. Bills for customers owning more than 7 shares of stock are not shown simply because there are few such customers and they are spread over several rate classes, which would make this table very cumbersome.

Note: The weighted-average bill increase for all customers combined will be: 2.4%

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
0.625" Residential <10,000 Gallons	0	999	397	397	\$17.30	\$17.10	-\$0.20	-1%
	1,000	1,999	230	627	\$19.25	\$19.12	-\$0.13	-1%
	2,000	2,999	330	957	\$21.20	\$21.14	-\$0.06	0%
	3,000	3,999	388	1,345	\$23.35	\$23.16	-\$0.19	-1%
	4,000	4,999	377	1,722	\$25.50	\$25.18	-\$0.32	-1%
	5,000	5,999	345	2,067	\$27.65	\$27.88	\$0.23	1%
	6,000	6,999	299	2,366	\$30.02	\$30.57	\$0.55	2%
	7,000	7,999	237	2,603	\$32.39	\$33.26	\$0.87	3%
	8,000	8,999	191	2,794	\$34.76	\$35.96	\$1.20	3%
	9,000	9,999	147	2,941	\$37.13	\$38.65	\$1.52	4%
	10,000	14,999	0	2,941	\$40.33	\$42.24	\$1.91	5%
	15,000	19,999	0	2,941	\$56.33	\$60.19	\$3.86	7%
	20,000	29,999	0	2,941	\$73.23	\$84.11	\$10.88	15%
	30,000	39,999	0	2,941	\$110.43	\$131.96	\$21.53	19%
	40,000	49,999	0	2,941	\$151.23	\$179.81	\$28.58	19%
	50,000	59,999	0	2,941	\$204.23	\$227.66	\$23.43	11%
	60,000	69,999	0	2,941	\$257.23	\$275.51	\$18.28	7%
	70,000	79,999	0	2,941	\$310.23	\$323.36	\$13.13	4%
	80,000	89,999	0	2,941	\$363.23	\$371.21	\$7.98	2%
	90,000	99,999	0	2,941	\$416.23	\$419.06	\$2.83	1%
100,000	109,999	0	2,941	\$469.23	\$466.91	-\$2.32	0%	
110,000	119,999	0	2,941	\$522.23	\$514.76	-\$7.47	-1%	
120,000	129,999	0	2,941	\$575.23	\$562.61	-\$12.62	-2%	
130,000	139,999	0	2,941	\$628.23	\$610.46	-\$17.77	-3%	
140,000	149,999	0	2,941	\$681.23	\$658.32	-\$22.91	-3%	
150,000	159,999	0	2,941	\$734.23	\$706.17	-\$28.06	-4%	
160,000	99,999,999	0	2,941	\$787.23	\$754.02	-\$33.21	-4%	
0.750" Residential <10,000 Gallons	0	999	136	136	\$17.30	\$17.10	-\$0.20	-1%
	1,000	1,999	79	214	\$19.25	\$19.12	-\$0.13	-1%
	2,000	2,999	95	310	\$21.20	\$21.14	-\$0.06	0%
	3,000	3,999	108	418	\$23.35	\$23.16	-\$0.19	-1%
	4,000	4,999	110	527	\$25.50	\$25.18	-\$0.32	-1%
	5,000	5,999	103	630	\$27.65	\$27.88	\$0.23	1%
	6,000	6,999	88	718	\$30.02	\$30.57	\$0.55	2%
	7,000	7,999	72	790	\$32.39	\$33.26	\$0.87	3%
	8,000	8,999	58	849	\$34.76	\$35.96	\$1.20	3%
	9,000	9,999	49	898	\$37.13	\$38.65	\$1.52	4%
	10,000	14,999	0	898	\$40.33	\$42.24	\$1.91	5%
	15,000	19,999	0	898	\$56.33	\$60.19	\$3.86	7%
	20,000	29,999	0	898	\$73.23	\$84.11	\$10.88	15%
	30,000	39,999	0	898	\$110.43	\$131.96	\$21.53	19%
	40,000	49,999	0	898	\$151.23	\$179.81	\$28.58	19%
	50,000	59,999	0	898	\$204.23	\$227.66	\$23.43	11%
	60,000	69,999	0	898	\$257.23	\$275.51	\$18.28	7%
	70,000	79,999	0	898	\$310.23	\$323.36	\$13.13	4%
	80,000	89,999	0	898	\$363.23	\$371.21	\$7.98	2%
	90,000	99,999	0	898	\$416.23	\$419.06	\$2.83	1%
100,000	109,999	0	898	\$469.23	\$466.91	-\$2.32	0%	
110,000	119,999	0	898	\$522.23	\$514.76	-\$7.47	-1%	
120,000	129,999	0	898	\$575.23	\$562.61	-\$12.62	-2%	
130,000	139,999	0	898	\$628.23	\$610.46	-\$17.77	-3%	
140,000	149,999	0	898	\$681.23	\$658.32	-\$22.91	-3%	
150,000	159,999	0	898	\$734.23	\$706.17	-\$28.06	-4%	
160,000	99,999,999	0	898	\$787.23	\$754.02	-\$33.21	-4%	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
1.000" Residential <10,000 Gallons	0	999	0	0	\$17.30	\$24.13	\$6.83	39%
	1,000	1,999	0	0	\$19.25	\$26.15	\$6.90	36%
	2,000	2,999	1	1	\$21.20	\$28.17	\$6.97	33%
	3,000	3,999	0	2	\$23.35	\$30.19	\$6.84	29%
	4,000	4,999	1	2	\$25.50	\$32.21	\$6.71	26%
	5,000	5,999	0	2	\$27.65	\$34.90	\$7.25	26%
	6,000	6,999	0	3	\$30.02	\$37.59	\$7.57	25%
	7,000	7,999	0	3	\$32.39	\$40.29	\$7.90	24%
	8,000	8,999	0	3	\$34.76	\$42.98	\$8.22	24%
	9,000	9,999	0	3	\$37.13	\$45.67	\$8.54	23%
	10,000	14,999	0	3	\$40.33	\$49.26	\$8.93	22%
	15,000	19,999	0	3	\$56.33	\$67.21	\$10.88	19%
	20,000	29,999	0	3	\$73.23	\$91.14	\$17.91	24%
	30,000	39,999	0	3	\$110.43	\$138.99	\$28.56	26%
	40,000	49,999	0	3	\$151.23	\$186.84	\$35.61	24%
	50,000	59,999	0	3	\$204.23	\$234.69	\$30.46	15%
	60,000	69,999	0	3	\$257.23	\$282.54	\$25.31	10%
	70,000	79,999	0	3	\$310.23	\$330.39	\$20.16	6%
	80,000	89,999	0	3	\$363.23	\$378.24	\$15.01	4%
	90,000	99,999	0	3	\$416.23	\$426.09	\$9.86	2%
100,000	109,999	0	3	\$469.23	\$473.94	\$4.71	1%	
110,000	119,999	0	3	\$522.23	\$521.79	-\$0.44	0%	
120,000	129,999	0	3	\$575.23	\$569.64	-\$5.59	-1%	
130,000	139,999	0	3	\$628.23	\$617.49	-\$10.74	-2%	
140,000	149,999	0	3	\$681.23	\$665.34	-\$15.89	-2%	
150,000	159,999	0	3	\$734.23	\$713.19	-\$21.04	-3%	
160,000	99,999,999	0	3	\$787.23	\$761.04	-\$26.19	-3%	
1.500" Residential <10,000 Gallons	0	999	0	0	\$17.30	\$35.83	\$18.53	107%
	1,000	1,999	0	0	\$19.25	\$37.85	\$18.60	97%
	2,000	2,999	0	0	\$21.20	\$39.87	\$18.67	88%
	3,000	3,999	0	0	\$23.35	\$41.89	\$18.54	79%
	4,000	4,999	0	0	\$25.50	\$43.91	\$18.41	72%
	5,000	5,999	0	0	\$27.65	\$46.61	\$18.96	69%
	6,000	6,999	0	0	\$30.02	\$49.30	\$19.28	64%
	7,000	7,999	0	0	\$32.39	\$51.99	\$19.60	61%
	8,000	8,999	0	0	\$34.76	\$54.69	\$19.93	57%
	9,000	9,999	0	0	\$37.13	\$57.38	\$20.25	55%
	10,000	14,999	0	0	\$40.33	\$60.97	\$20.64	51%
	15,000	19,999	0	0	\$56.33	\$78.92	\$22.59	40%
	20,000	29,999	0	0	\$73.23	\$102.84	\$29.61	40%
	30,000	39,999	0	0	\$110.43	\$150.69	\$40.26	36%
	40,000	49,999	0	0	\$151.23	\$198.54	\$47.31	31%
	50,000	59,999	0	0	\$204.23	\$246.39	\$42.16	21%
	60,000	69,999	0	0	\$257.23	\$294.24	\$37.01	14%
	70,000	79,999	0	0	\$310.23	\$342.09	\$31.86	10%
	80,000	89,999	0	0	\$363.23	\$389.94	\$26.71	7%
	90,000	99,999	0	0	\$416.23	\$437.79	\$21.56	5%
100,000	109,999	0	0	\$469.23	\$485.64	\$16.41	3%	
110,000	119,999	0	0	\$522.23	\$533.49	\$11.26	2%	
120,000	129,999	0	0	\$575.23	\$581.35	\$6.12	1%	
130,000	139,999	0	0	\$628.23	\$629.20	\$0.97	0%	
140,000	149,999	0	0	\$681.23	\$677.05	-\$4.18	-1%	
150,000	159,999	0	0	\$734.23	\$724.90	-\$9.33	-1%	
160,000	99,999,999	0	0	\$787.23	\$772.75	-\$14.48	-2%	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
2.000" Residential <10,000 Gallons	0	999	2	2	\$17.30	\$87.34	\$70.04	405%
	1,000	1,999	0	3	\$19.25	\$89.36	\$70.11	364%
	2,000	2,999	1	3	\$21.20	\$91.38	\$70.18	331%
	3,000	3,999	0	4	\$23.35	\$93.40	\$70.05	300%
	4,000	4,999	0	4	\$25.50	\$95.42	\$69.92	274%
	5,000	5,999	0	4	\$27.65	\$98.12	\$70.47	255%
	6,000	6,999	0	4	\$30.02	\$100.81	\$70.79	236%
	7,000	7,999	1	5	\$32.39	\$103.50	\$71.11	220%
	8,000	8,999	0	5	\$34.76	\$106.19	\$71.43	206%
	9,000	9,999	0	5	\$37.13	\$108.89	\$71.76	193%
	10,000	14,999	0	5	\$40.33	\$112.48	\$72.15	179%
	15,000	19,999	0	5	\$56.33	\$130.43	\$74.10	132%
	20,000	29,999	0	5	\$73.23	\$154.35	\$81.12	111%
	30,000	39,999	0	5	\$110.43	\$202.20	\$91.77	83%
	40,000	49,999	0	5	\$151.23	\$250.05	\$98.82	65%
	50,000	59,999	0	5	\$204.23	\$297.90	\$93.67	46%
	60,000	69,999	0	5	\$257.23	\$345.75	\$88.52	34%
	70,000	79,999	0	5	\$310.23	\$393.60	\$83.37	27%
	80,000	89,999	0	5	\$363.23	\$441.45	\$78.22	22%
	90,000	99,999	0	5	\$416.23	\$489.30	\$73.07	18%
100,000	109,999	0	5	\$469.23	\$537.15	\$67.92	14%	
110,000	119,999	0	5	\$522.23	\$585.00	\$62.77	12%	
120,000	129,999	0	5	\$575.23	\$632.85	\$57.62	10%	
130,000	139,999	0	5	\$628.23	\$680.70	\$52.47	8%	
140,000	149,999	0	5	\$681.23	\$728.55	\$47.32	7%	
150,000	159,999	0	5	\$734.23	\$776.41	\$42.18	6%	
160,000	99,999,999	0	5	\$787.23	\$824.26	\$37.03	5%	
0.625" Residential >=10,000 Gallons	0	999	0	0	\$22.49	\$17.10	-\$5.39	-24%
	1,000	1,999	0	0	\$24.44	\$19.12	-\$5.32	-22%
	2,000	2,999	0	0	\$26.39	\$21.14	-\$5.25	-20%
	3,000	3,999	0	0	\$28.54	\$23.16	-\$5.38	-19%
	4,000	4,999	0	0	\$30.69	\$25.18	-\$5.51	-18%
	5,000	5,999	0	0	\$32.84	\$27.88	-\$4.96	-15%
	6,000	6,999	0	0	\$35.21	\$30.57	-\$4.64	-13%
	7,000	7,999	0	0	\$37.58	\$33.26	-\$4.32	-11%
	8,000	8,999	0	0	\$39.95	\$35.96	-\$3.99	-10%
	9,000	9,999	0	0	\$42.32	\$38.65	-\$3.67	-9%
	10,000	14,999	445	445	\$45.52	\$42.24	-\$3.28	-7%
	15,000	19,999	204	649	\$61.52	\$60.19	-\$1.33	-2%
	20,000	29,999	178	827	\$78.42	\$84.11	\$5.69	7%
	30,000	39,999	65	892	\$115.62	\$131.96	\$16.34	14%
	40,000	49,999	26	917	\$156.42	\$179.81	\$23.39	15%
	50,000	59,999	13	930	\$209.42	\$227.66	\$18.24	9%
	60,000	69,999	6	936	\$262.42	\$275.51	\$13.09	5%
	70,000	79,999	3	940	\$315.42	\$323.36	\$7.94	3%
	80,000	89,999	2	941	\$368.42	\$371.21	\$2.79	1%
	90,000	99,999	1	942	\$421.42	\$419.06	-\$2.36	-1%
100,000	109,999	1	943	\$474.42	\$466.91	-\$7.51	-2%	
110,000	119,999	1	943	\$527.42	\$514.76	-\$12.66	-2%	
120,000	129,999	1	944	\$580.42	\$562.61	-\$17.81	-3%	
130,000	139,999	0	944	\$633.42	\$610.46	-\$22.96	-4%	
140,000	149,999	0	944	\$686.42	\$658.32	-\$28.10	-4%	
150,000	159,999	0	944	\$739.42	\$706.17	-\$33.25	-4%	
160,000	99,999,999	0	945	\$792.42	\$754.02	-\$38.40	-5%	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
0.750" Residential >=10,000 Gallons	0	999	0	0	\$22.49	\$17.10	-\$5.39	-24%
	1,000	1,999	0	0	\$24.44	\$19.12	-\$5.32	-22%
	2,000	2,999	0	0	\$26.39	\$21.14	-\$5.25	-20%
	3,000	3,999	0	0	\$28.54	\$23.16	-\$5.38	-19%
	4,000	4,999	0	0	\$30.69	\$25.18	-\$5.51	-18%
	5,000	5,999	0	0	\$32.84	\$27.88	-\$4.96	-15%
	6,000	6,999	0	0	\$35.21	\$30.57	-\$4.64	-13%
	7,000	7,999	0	0	\$37.58	\$33.26	-\$4.32	-11%
	8,000	8,999	0	0	\$39.95	\$35.96	-\$3.99	-10%
	9,000	9,999	0	0	\$42.32	\$38.65	-\$3.67	-9%
	10,000	14,999	153	153	\$45.52	\$42.24	-\$3.28	-7%
	15,000	19,999	74	227	\$61.52	\$60.19	-\$1.33	-2%
	20,000	29,999	65	292	\$78.42	\$84.11	\$5.69	7%
	30,000	39,999	25	317	\$115.62	\$131.96	\$16.34	14%
	40,000	49,999	12	329	\$156.42	\$179.81	\$23.39	15%
	50,000	59,999	5	334	\$209.42	\$227.66	\$18.24	9%
	60,000	69,999	4	338	\$262.42	\$275.51	\$13.09	5%
	70,000	79,999	2	340	\$315.42	\$323.36	\$7.94	3%
	80,000	89,999	1	341	\$368.42	\$371.21	\$2.79	1%
	90,000	99,999	0	341	\$421.42	\$419.06	-\$2.36	-1%
100,000	109,999	0	341	\$474.42	\$466.91	-\$7.51	-2%	
110,000	119,999	0	342	\$527.42	\$514.76	-\$12.66	-2%	
120,000	129,999	0	342	\$580.42	\$562.61	-\$17.81	-3%	
130,000	139,999	0	342	\$633.42	\$610.46	-\$22.96	-4%	
140,000	149,999	0	342	\$686.42	\$658.32	-\$28.10	-4%	
150,000	159,999	0	342	\$739.42	\$706.17	-\$33.25	-4%	
160,000	99,999,999	1	342	\$792.42	\$754.02	-\$38.40	-5%	
1.000" Residential >=10,000 Gallons	0	999	0	0	\$22.49	\$24.13	\$1.64	7%
	1,000	1,999	0	0	\$24.44	\$26.15	\$1.71	7%
	2,000	2,999	0	0	\$26.39	\$28.17	\$1.78	7%
	3,000	3,999	0	0	\$28.54	\$30.19	\$1.65	6%
	4,000	4,999	0	0	\$30.69	\$32.21	\$1.52	5%
	5,000	5,999	0	0	\$32.84	\$34.90	\$2.06	6%
	6,000	6,999	0	0	\$35.21	\$37.59	\$2.38	7%
	7,000	7,999	0	0	\$37.58	\$40.29	\$2.71	7%
	8,000	8,999	0	0	\$39.95	\$42.98	\$3.03	8%
	9,000	9,999	0	0	\$42.32	\$45.67	\$3.35	8%
	10,000	14,999	1	1	\$45.52	\$49.26	\$3.74	8%
	15,000	19,999	1	1	\$61.52	\$67.21	\$5.69	9%
	20,000	29,999	1	2	\$78.42	\$91.14	\$12.72	16%
	30,000	39,999	0	2	\$115.62	\$138.99	\$23.37	20%
	40,000	49,999	0	2	\$156.42	\$186.84	\$30.42	19%
	50,000	59,999	0	3	\$209.42	\$234.69	\$25.27	12%
	60,000	69,999	0	3	\$262.42	\$282.54	\$20.12	8%
	70,000	79,999	0	3	\$315.42	\$330.39	\$14.97	5%
	80,000	89,999	0	3	\$368.42	\$378.24	\$9.82	3%
	90,000	99,999	0	3	\$421.42	\$426.09	\$4.67	1%
100,000	109,999	0	3	\$474.42	\$473.94	-\$0.48	0%	
110,000	119,999	0	3	\$527.42	\$521.79	-\$5.63	-1%	
120,000	129,999	0	3	\$580.42	\$569.64	-\$10.78	-2%	
130,000	139,999	0	3	\$633.42	\$617.49	-\$15.93	-3%	
140,000	149,999	0	3	\$686.42	\$665.34	-\$21.08	-3%	
150,000	159,999	0	3	\$739.42	\$713.19	-\$26.23	-4%	
160,000	99,999,999	0	3	\$792.42	\$761.04	-\$31.38	-4%	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
1.500" Residential >=10,000 Gallons	0	999	0	0	\$22.49	\$35.83	\$13.34	59%
	1,000	1,999	0	0	\$24.44	\$37.85	\$13.41	55%
	2,000	2,999	0	0	\$26.39	\$39.87	\$13.48	51%
	3,000	3,999	0	0	\$28.54	\$41.89	\$13.35	47%
	4,000	4,999	0	0	\$30.69	\$43.91	\$13.22	43%
	5,000	5,999	0	0	\$32.84	\$46.61	\$13.77	42%
	6,000	6,999	0	0	\$35.21	\$49.30	\$14.09	40%
	7,000	7,999	0	0	\$37.58	\$51.99	\$14.41	38%
	8,000	8,999	0	0	\$39.95	\$54.69	\$14.74	37%
	9,000	9,999	0	0	\$42.32	\$57.38	\$15.06	36%
	10,000	14,999	0	0	\$45.52	\$60.97	\$15.45	34%
	15,000	19,999	0	0	\$61.52	\$78.92	\$17.40	28%
	20,000	29,999	0	0	\$78.42	\$102.84	\$24.42	31%
	30,000	39,999	0	1	\$115.62	\$150.69	\$35.07	30%
	40,000	49,999	0	1	\$156.42	\$198.54	\$42.12	27%
	50,000	59,999	0	1	\$209.42	\$246.39	\$36.97	18%
	60,000	69,999	0	1	\$262.42	\$294.24	\$31.82	12%
	70,000	79,999	0	1	\$315.42	\$342.09	\$26.67	8%
	80,000	89,999	0	1	\$368.42	\$389.94	\$21.52	6%
	90,000	99,999	0	1	\$421.42	\$437.79	\$16.37	4%
100,000	109,999	0	1	\$474.42	\$485.64	\$11.22	2%	
110,000	119,999	0	1	\$527.42	\$533.49	\$6.07	1%	
120,000	129,999	0	1	\$580.42	\$581.35	\$0.93	0%	
130,000	139,999	0	1	\$633.42	\$629.20	-\$4.22	-1%	
140,000	149,999	0	1	\$686.42	\$677.05	-\$9.37	-1%	
150,000	159,999	0	1	\$739.42	\$724.90	-\$14.52	-2%	
160,000	99,999,999	0	1	\$792.42	\$772.75	-\$19.67	-2%	
2.000" Residential >=10,000 Gallons	0	999	0	0	\$22.49	\$87.34	\$64.85	288%
	1,000	1,999	0	0	\$24.44	\$89.36	\$64.92	266%
	2,000	2,999	0	0	\$26.39	\$91.38	\$64.99	246%
	3,000	3,999	0	0	\$28.54	\$93.40	\$64.86	227%
	4,000	4,999	0	0	\$30.69	\$95.42	\$64.73	211%
	5,000	5,999	0	0	\$32.84	\$98.12	\$65.28	199%
	6,000	6,999	0	0	\$35.21	\$100.81	\$65.60	186%
	7,000	7,999	0	0	\$37.58	\$103.50	\$65.92	175%
	8,000	8,999	0	0	\$39.95	\$106.19	\$66.24	166%
	9,000	9,999	0	0	\$42.32	\$108.89	\$66.57	157%
	10,000	14,999	1	1	\$45.52	\$112.48	\$66.96	147%
	15,000	19,999	1	2	\$61.52	\$130.43	\$68.91	112%
	20,000	29,999	1	3	\$78.42	\$154.35	\$75.93	97%
	30,000	39,999	0	3	\$115.62	\$202.20	\$86.58	75%
	40,000	49,999	0	3	\$156.42	\$250.05	\$93.63	60%
	50,000	59,999	0	3	\$209.42	\$297.90	\$88.48	42%
	60,000	69,999	0	3	\$262.42	\$345.75	\$83.33	32%
	70,000	79,999	0	3	\$315.42	\$393.60	\$78.18	25%
	80,000	89,999	0	3	\$368.42	\$441.45	\$73.03	20%
	90,000	99,999	0	3	\$421.42	\$489.30	\$67.88	16%
100,000	109,999	0	3	\$474.42	\$537.15	\$62.73	13%	
110,000	119,999	0	3	\$527.42	\$585.00	\$57.58	11%	
120,000	129,999	0	3	\$580.42	\$632.85	\$52.43	9%	
130,000	139,999	0	3	\$633.42	\$680.70	\$47.28	7%	
140,000	149,999	0	3	\$686.42	\$728.55	\$42.13	6%	
150,000	159,999	0	3	\$739.42	\$776.41	\$36.99	5%	
160,000	99,999,999	0	4	\$792.42	\$824.26	\$31.84	4%	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
0.625" Commercial	0	999	0	0	\$22.49	\$17.10	-\$5.39	-24%
	1,000	1,999	0	0	\$24.44	\$19.12	-\$5.32	-22%
	2,000	2,999	1	1	\$26.39	\$21.14	-\$5.25	-20%
	3,000	3,999	1	2	\$28.54	\$23.16	-\$5.38	-19%
	4,000	4,999	0	2	\$30.69	\$25.18	-\$5.51	-18%
	5,000	5,999	0	2	\$32.84	\$27.88	-\$4.96	-15%
	6,000	6,999	0	2	\$35.21	\$30.57	-\$4.64	-13%
	7,000	7,999	1	3	\$37.58	\$33.26	-\$4.32	-11%
	8,000	8,999	0	3	\$39.95	\$35.96	-\$3.99	-10%
	9,000	9,999	0	3	\$42.32	\$38.65	-\$3.67	-9%
	10,000	14,999	0	3	\$45.52	\$42.24	-\$3.28	-7%
	15,000	19,999	0	3	\$61.52	\$60.19	-\$1.33	-2%
	20,000	29,999	1	4	\$78.42	\$84.11	\$5.69	7%
	30,000	39,999	0	4	\$115.62	\$131.96	\$16.34	14%
	40,000	49,999	0	4	\$156.42	\$179.81	\$23.39	15%
	50,000	59,999	0	4	\$209.42	\$227.66	\$18.24	9%
	60,000	69,999	0	4	\$262.42	\$275.51	\$13.09	5%
	70,000	79,999	0	4	\$315.42	\$323.36	\$7.94	3%
	80,000	89,999	0	4	\$368.42	\$371.21	\$2.79	1%
	90,000	99,999	0	4	\$421.42	\$419.06	-\$2.36	-1%
100,000	109,999	0	4	\$474.42	\$466.91	-\$7.51	-2%	
110,000	119,999	0	4	\$527.42	\$514.76	-\$12.66	-2%	
120,000	129,999	0	4	\$580.42	\$562.61	-\$17.81	-3%	
130,000	139,999	0	4	\$633.42	\$610.46	-\$22.96	-4%	
140,000	149,999	0	4	\$686.42	\$658.32	-\$28.10	-4%	
150,000	159,999	0	4	\$739.42	\$706.17	-\$33.25	-4%	
160,000	99,999,999	0	4	\$792.42	\$754.02	-\$38.40	-5%	
0.750" Commercial	0	999	27	27	\$22.49	\$17.10	-\$5.39	-24%
	1,000	1,999	6	33	\$24.44	\$19.12	-\$5.32	-22%
	2,000	2,999	3	36	\$26.39	\$21.14	-\$5.25	-20%
	3,000	3,999	3	39	\$28.54	\$23.16	-\$5.38	-19%
	4,000	4,999	3	42	\$30.69	\$25.18	-\$5.51	-18%
	5,000	5,999	3	44	\$32.84	\$27.88	-\$4.96	-15%
	6,000	6,999	2	46	\$35.21	\$30.57	-\$4.64	-13%
	7,000	7,999	1	47	\$37.58	\$33.26	-\$4.32	-11%
	8,000	8,999	2	49	\$39.95	\$35.96	-\$3.99	-10%
	9,000	9,999	2	52	\$42.32	\$38.65	-\$3.67	-9%
	10,000	14,999	3	55	\$45.52	\$42.24	-\$3.28	-7%
	15,000	19,999	1	56	\$61.52	\$60.19	-\$1.33	-2%
	20,000	29,999	1	57	\$78.42	\$84.11	\$5.69	7%
	30,000	39,999	1	57	\$115.62	\$131.96	\$16.34	14%
	40,000	49,999	0	57	\$156.42	\$179.81	\$23.39	15%
	50,000	59,999	0	58	\$209.42	\$227.66	\$18.24	9%
	60,000	69,999	0	58	\$262.42	\$275.51	\$13.09	5%
	70,000	79,999	0	58	\$315.42	\$323.36	\$7.94	3%
	80,000	89,999	0	58	\$368.42	\$371.21	\$2.79	1%
	90,000	99,999	0	58	\$421.42	\$419.06	-\$2.36	-1%
100,000	109,999	0	58	\$474.42	\$466.91	-\$7.51	-2%	
110,000	119,999	0	58	\$527.42	\$514.76	-\$12.66	-2%	
120,000	129,999	0	58	\$580.42	\$562.61	-\$17.81	-3%	
130,000	139,999	0	58	\$633.42	\$610.46	-\$22.96	-4%	
140,000	149,999	0	58	\$686.42	\$658.32	-\$28.10	-4%	
150,000	159,999	0	58	\$739.42	\$706.17	-\$33.25	-4%	
160,000	99,999,999	1	59	\$792.42	\$754.02	-\$38.40	-5%	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
1.000" Commercial	0	999	6	6	\$22.49	\$24.13	\$1.64	7%
	1,000	1,999	2	8	\$24.44	\$26.15	\$1.71	7%
	2,000	2,999	2	9	\$26.39	\$28.17	\$1.78	7%
	3,000	3,999	2	11	\$28.54	\$30.19	\$1.65	6%
	4,000	4,999	2	13	\$30.69	\$32.21	\$1.52	5%
	5,000	5,999	1	13	\$32.84	\$34.90	\$2.06	6%
	6,000	6,999	1	14	\$35.21	\$37.59	\$2.38	7%
	7,000	7,999	0	15	\$37.58	\$40.29	\$2.71	7%
	8,000	8,999	0	15	\$39.95	\$42.98	\$3.03	8%
	9,000	9,999	0	15	\$42.32	\$45.67	\$3.35	8%
	10,000	14,999	1	17	\$45.52	\$49.26	\$3.74	8%
	15,000	19,999	3	20	\$61.52	\$67.21	\$5.69	9%
	20,000	29,999	2	22	\$78.42	\$91.14	\$12.72	16%
	30,000	39,999	1	23	\$115.62	\$138.99	\$23.37	20%
	40,000	49,999	1	24	\$156.42	\$186.84	\$30.42	19%
	50,000	59,999	0	24	\$209.42	\$234.69	\$25.27	12%
	60,000	69,999	0	24	\$262.42	\$282.54	\$20.12	8%
	70,000	79,999	0	24	\$315.42	\$330.39	\$14.97	5%
	80,000	89,999	0	24	\$368.42	\$378.24	\$9.82	3%
	90,000	99,999	0	24	\$421.42	\$426.09	\$4.67	1%
100,000	109,999	0	24	\$474.42	\$473.94	-\$0.48	0%	
110,000	119,999	0	24	\$527.42	\$521.79	-\$5.63	-1%	
120,000	129,999	0	24	\$580.42	\$569.64	-\$10.78	-2%	
130,000	139,999	0	24	\$633.42	\$617.49	-\$15.93	-3%	
140,000	149,999	0	24	\$686.42	\$665.34	-\$21.08	-3%	
150,000	159,999	0	24	\$739.42	\$713.19	-\$26.23	-4%	
160,000	99,999,999	1	25	\$792.42	\$761.04	-\$31.38	-4%	
1.500" Commercial	0	999	0	0	\$22.49	\$35.83	\$13.34	59%
	1,000	1,999	0	0	\$24.44	\$37.85	\$13.41	55%
	2,000	2,999	0	0	\$26.39	\$39.87	\$13.48	51%
	3,000	3,999	0	0	\$28.54	\$41.89	\$13.35	47%
	4,000	4,999	0	0	\$30.69	\$43.91	\$13.22	43%
	5,000	5,999	0	0	\$32.84	\$46.61	\$13.77	42%
	6,000	6,999	0	0	\$35.21	\$49.30	\$14.09	40%
	7,000	7,999	0	0	\$37.58	\$51.99	\$14.41	38%
	8,000	8,999	0	0	\$39.95	\$54.69	\$14.74	37%
	9,000	9,999	0	0	\$42.32	\$57.38	\$15.06	36%
	10,000	14,999	0	0	\$45.52	\$60.97	\$15.45	34%
	15,000	19,999	0	0	\$61.52	\$78.92	\$17.40	28%
	20,000	29,999	0	0	\$78.42	\$102.84	\$24.42	31%
	30,000	39,999	0	0	\$115.62	\$150.69	\$35.07	30%
	40,000	49,999	0	0	\$156.42	\$198.54	\$42.12	27%
	50,000	59,999	0	0	\$209.42	\$246.39	\$36.97	18%
	60,000	69,999	0	0	\$262.42	\$294.24	\$31.82	12%
	70,000	79,999	0	0	\$315.42	\$342.09	\$26.67	8%
	80,000	89,999	0	0	\$368.42	\$389.94	\$21.52	6%
	90,000	99,999	0	0	\$421.42	\$437.79	\$16.37	4%
100,000	109,999	0	0	\$474.42	\$485.64	\$11.22	2%	
110,000	119,999	0	0	\$527.42	\$533.49	\$6.07	1%	
120,000	129,999	0	0	\$580.42	\$581.35	\$0.93	0%	
130,000	139,999	0	0	\$633.42	\$629.20	-\$4.22	-1%	
140,000	149,999	0	0	\$686.42	\$677.05	-\$9.37	-1%	
150,000	159,999	0	0	\$739.42	\$724.90	-\$14.52	-2%	
160,000	99,999,999	0	0	\$792.42	\$772.75	-\$19.67	-2%	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
2.000" Commercial	0	999	8	8	\$22.49	\$87.34	\$64.85	288%
	1,000	1,999	1	9	\$24.44	\$89.36	\$64.92	266%
	2,000	2,999	0	9	\$26.39	\$91.38	\$64.99	246%
	3,000	3,999	1	11	\$28.54	\$93.40	\$64.86	227%
	4,000	4,999	1	11	\$30.69	\$95.42	\$64.73	211%
	5,000	5,999	1	12	\$32.84	\$98.12	\$65.28	199%
	6,000	6,999	0	12	\$35.21	\$100.81	\$65.60	186%
	7,000	7,999	1	13	\$37.58	\$103.50	\$65.92	175%
	8,000	8,999	0	13	\$39.95	\$106.19	\$66.24	166%
	9,000	9,999	0	13	\$42.32	\$108.89	\$66.57	157%
	10,000	14,999	1	15	\$45.52	\$112.48	\$66.96	147%
	15,000	19,999	2	16	\$61.52	\$130.43	\$68.91	112%
	20,000	29,999	2	18	\$78.42	\$154.35	\$75.93	97%
	30,000	39,999	1	20	\$115.62	\$202.20	\$86.58	75%
	40,000	49,999	1	21	\$156.42	\$250.05	\$93.63	60%
	50,000	59,999	0	22	\$209.42	\$297.90	\$88.48	42%
	60,000	69,999	0	22	\$262.42	\$345.75	\$83.33	32%
	70,000	79,999	0	22	\$315.42	\$393.60	\$78.18	25%
	80,000	89,999	1	22	\$368.42	\$441.45	\$73.03	20%
	90,000	99,999	0	23	\$421.42	\$489.30	\$67.88	16%
100,000	109,999	0	23	\$474.42	\$537.15	\$62.73	13%	
110,000	119,999	0	24	\$527.42	\$585.00	\$57.58	11%	
120,000	129,999	0	24	\$580.42	\$632.85	\$52.43	9%	
130,000	139,999	0	24	\$633.42	\$680.70	\$47.28	7%	
140,000	149,999	0	24	\$686.42	\$728.55	\$42.13	6%	
150,000	159,999	0	24	\$739.42	\$776.41	\$36.99	5%	
160,000	99,999,999	1	25	\$792.42	\$824.26	\$31.84	4%	
3.000" Commercial	0	999	1	1	\$22.49	\$216.12	\$193.63	861%
	1,000	1,999	1	1	\$24.44	\$218.14	\$193.70	793%
	2,000	2,999	0	1	\$26.39	\$220.16	\$193.77	734%
	3,000	3,999	0	1	\$28.54	\$222.18	\$193.64	678%
	4,000	4,999	0	1	\$30.69	\$224.20	\$193.51	631%
	5,000	5,999	0	1	\$32.84	\$226.89	\$194.05	591%
	6,000	6,999	0	1	\$35.21	\$229.58	\$194.37	552%
	7,000	7,999	0	1	\$37.58	\$232.27	\$194.69	518%
	8,000	8,999	0	1	\$39.95	\$234.97	\$195.02	488%
	9,000	9,999	0	1	\$42.32	\$237.66	\$195.34	462%
	10,000	14,999	0	1	\$45.52	\$241.25	\$195.73	430%
	15,000	19,999	0	1	\$61.52	\$259.20	\$197.68	321%
	20,000	29,999	0	1	\$78.42	\$283.12	\$204.70	261%
	30,000	39,999	0	1	\$115.62	\$330.97	\$215.35	186%
	40,000	49,999	0	1	\$156.42	\$378.82	\$222.40	142%
	50,000	59,999	0	1	\$209.42	\$426.67	\$217.25	104%
	60,000	69,999	0	1	\$262.42	\$474.53	\$212.11	81%
	70,000	79,999	0	1	\$315.42	\$522.38	\$206.96	66%
	80,000	89,999	0	1	\$368.42	\$570.23	\$201.81	55%
	90,000	99,999	0	1	\$421.42	\$618.08	\$196.66	47%
100,000	109,999	0	1	\$474.42	\$665.93	\$191.51	40%	
110,000	119,999	0	1	\$527.42	\$713.78	\$186.36	35%	
120,000	129,999	0	1	\$580.42	\$761.63	\$181.21	31%	
130,000	139,999	0	1	\$633.42	\$809.48	\$176.06	28%	
140,000	149,999	0	1	\$686.42	\$857.33	\$170.91	25%	
150,000	159,999	0	1	\$739.42	\$905.18	\$165.76	22%	
160,000	99,999,999	1	2	\$792.42	\$953.03	\$160.61	20%	



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
4.000" Commercial	0	999	1	1	\$22.49	\$363.62	\$341.13	1517%
	1,000	1,999	0	1	\$24.44	\$365.64	\$341.20	1396%
	2,000	2,999	0	1	\$26.39	\$367.66	\$341.27	1293%
	3,000	3,999	0	1	\$28.54	\$369.68	\$341.14	1195%
	4,000	4,999	0	1	\$30.69	\$371.70	\$341.01	1111%
	5,000	5,999	0	1	\$32.84	\$374.39	\$341.55	1040%
	6,000	6,999	0	1	\$35.21	\$377.09	\$341.88	971%
	7,000	7,999	0	1	\$37.58	\$379.78	\$342.20	911%
	8,000	8,999	0	1	\$39.95	\$382.47	\$342.52	857%
	9,000	9,999	0	1	\$42.32	\$385.16	\$342.84	810%
	10,000	14,999	0	1	\$45.52	\$388.75	\$343.23	754%
	15,000	19,999	0	2	\$61.52	\$406.70	\$345.18	561%
	20,000	29,999	1	2	\$78.42	\$430.63	\$352.21	449%
	30,000	39,999	0	2	\$115.62	\$478.48	\$362.86	314%
	40,000	49,999	0	3	\$156.42	\$526.33	\$369.91	236%
	50,000	59,999	1	3	\$209.42	\$574.18	\$364.76	174%
	60,000	69,999	0	4	\$262.42	\$622.03	\$359.61	137%
	70,000	79,999	0	4	\$315.42	\$669.88	\$354.46	112%
	80,000	89,999	0	4	\$368.42	\$717.73	\$349.31	95%
	90,000	99,999	0	4	\$421.42	\$765.58	\$344.16	82%
100,000	109,999	0	4	\$474.42	\$813.43	\$339.01	71%	
110,000	119,999	0	4	\$527.42	\$861.28	\$333.86	63%	
120,000	129,999	0	4	\$580.42	\$909.13	\$328.71	57%	
130,000	139,999	0	4	\$633.42	\$956.98	\$323.56	51%	
140,000	149,999	0	4	\$686.42	\$1,004.83	\$318.41	46%	
150,000	159,999	0	4	\$739.42	\$1,052.68	\$313.26	42%	
160,000	99,999,999	0	4	\$792.42	\$1,100.53	\$308.11	39%	
Hydrant 2" Meter Bulk Users	0	999	0	0	\$22.49	\$87.34	\$64.85	288%
	1,000	1,999	0	0	\$24.44	\$89.36	\$64.92	266%
	2,000	2,999	0	0	\$26.39	\$91.38	\$64.99	246%
	3,000	3,999	0	0	\$28.54	\$93.40	\$64.86	227%
	4,000	4,999	0	0	\$30.69	\$95.42	\$64.73	211%
	5,000	5,999	0	0	\$32.84	\$98.12	\$65.28	199%
	6,000	6,999	0	0	\$35.21	\$100.81	\$65.60	186%
	7,000	7,999	0	0	\$37.58	\$103.50	\$65.92	175%
	8,000	8,999	0	0	\$39.95	\$106.19	\$66.24	166%
	9,000	9,999	0	0	\$42.32	\$108.89	\$66.57	157%
	10,000	14,999	0	0	\$45.52	\$112.48	\$66.96	147%
	15,000	19,999	0	0	\$61.52	\$130.43	\$68.91	112%
	20,000	29,999	0	0	\$78.42	\$154.35	\$75.93	97%
	30,000	39,999	0	0	\$115.62	\$202.20	\$86.58	75%
	40,000	49,999	0	0	\$156.42	\$250.05	\$93.63	60%
	50,000	59,999	0	0	\$209.42	\$297.90	\$88.48	42%
	60,000	69,999	0	0	\$262.42	\$345.75	\$83.33	32%
	70,000	79,999	0	0	\$315.42	\$393.60	\$78.18	25%
	80,000	89,999	0	0	\$368.42	\$441.45	\$73.03	20%
	90,000	99,999	0	0	\$421.42	\$489.30	\$67.88	16%
100,000	109,999	0	0	\$474.42	\$537.15	\$62.73	13%	
110,000	119,999	0	0	\$527.42	\$585.00	\$57.58	11%	
120,000	129,999	0	0	\$580.42	\$632.85	\$52.43	9%	
130,000	139,999	0	0	\$633.42	\$680.70	\$47.28	7%	
140,000	149,999	0	0	\$686.42	\$728.55	\$42.13	6%	
150,000	159,999	0	0	\$739.42	\$776.41	\$36.99	5%	
160,000	99,999,999	0	0	\$792.42	\$824.26	\$31.84	4%	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 8 - Rate Statistics

This table shows measures of equitability of the rates as modeled in Table 11.

If your rates are absolutely proportional to use on a volumetric basis, your % of usage and % of revenues figures will be the same within all the classes. That is not possible if you have any minimum charge and having no minimum charge is almost unheard of.

Normally, the % of usage figure will be lower than the % of revenue for the lower volumes of use. That will switch for the higher volumes of use. Even for declining rate structures, this switch should occur near the volume of the average residential user, typically near 5,000 gallons/month (668 cu ft).

In urban and suburban areas the average monthly use for residential or general customers can be twice that used by their rural and "old town" counterparts. Use is largely dependent upon who lives in a community. Older people living in longer established neighborhoods tend to use less volume than younger people living in more recently developed areas. As you make comparisons between different customers and customer classes, keep that, and the following in mind:

**4,398** in 1,000 Gallons Billable units - This is the average residential customer's usage per Monthly billing cycle.

Usage allowance is the volume "given away" with the minimum charge. The higher the allowance, the less volume the utility can sell to generate income.

**590,835,634** in 1,000 Gallons Billable units - This is the volume metered through customer meters that was available to be sold by the utility during the test year.

**0** in 1,000 Gallons Billable units - This is the volume metered through customer meters that was given away as a usage allowance during the test year.

**\$0** At the unit charge rate in effect during the test year, this was what it cost the utility to give away this volume.

**\$0** At the unit charge rates modeled, this is what the current usage allowance (if any is included in the modeled rates) would cost the utility for a full year.

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
0.625" Residential <10,000 Gallons	0	999	3.336	31,450,568	397	7.5%	5.3%	20.3%	100.0%	5.0%	5.0%
	1,000	1,999	6.263	29,242,455	230	4.4%	4.9%	39.1%	79.7%	3.7%	3.6%
	2,000	2,999	13.572	25,881,156	330	6.3%	4.4%	55.8%	60.9%	4.2%	4.1%
	3,000	3,999	0.000	21,516,454	388	7.4%	3.6%	69.6%	44.2%	4.4%	4.2%
	4,000	4,999	0.000	16,859,586	377	7.2%	2.9%	80.5%	30.4%	4.0%	3.8%
	5,000	5,999	0.000	12,509,368	345	6.5%	2.1%	88.5%	19.5%	3.4%	3.6%
	6,000	6,999	0.000	8,632,499	299	5.7%	1.5%	94.1%	11.5%	2.9%	2.9%
	7,000	7,999	0.000	5,427,509	237	4.5%	0.9%	97.6%	5.9%	2.2%	2.2%
	8,000	8,999	0.000	2,875,840	191	3.6%	0.5%	99.5%	2.4%	1.6%	1.6%
	9,000	9,999	0.000	844,824	147	2.8%	0.1%	100.0%	0.5%	1.1%	1.1%
	10,000	14,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	15,000	19,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	20,000	29,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	30,000	39,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	40,000	49,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	50,000	59,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	60,000	69,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				155,240,259	2,941	55.9%	26.3%			32.6%	32.1%
0.750" Residential <10,000 Gallons	0	999	1.007	9,494,355	136	2.6%	1.6%	20.3%	100.0%	1.6%	1.6%
	1,000	1,999	1.102	8,699,075	79	1.5%	1.5%	38.9%	79.7%	1.2%	1.2%
	2,000	2,999	1.085	7,648,102	95	1.8%	1.3%	55.3%	61.1%	1.2%	1.2%
	3,000	3,999	1.062	6,406,710	108	2.0%	1.1%	69.0%	44.7%	1.3%	1.2%
	4,000	4,999	1.041	5,102,808	110	2.1%	0.9%	79.9%	31.0%	1.2%	1.1%
	5,000	5,999	1.019	3,824,923	103	2.0%	0.6%	88.1%	20.1%	1.0%	1.1%
	6,000	6,999	0.986	2,666,925	88	1.7%	0.5%	93.8%	11.9%	0.9%	0.9%
	7,000	7,999	0.943	1,712,617	72	1.4%	0.3%	97.4%	6.2%	0.7%	0.7%
	8,000	8,999	0.838	917,272	58	1.1%	0.2%	99.4%	2.6%	0.5%	0.5%
	9,000	9,999	0.581	284,768	49	0.9%	0.0%	100.0%	0.6%	0.4%	0.4%
	10,000	14,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	15,000	19,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	20,000	29,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	30,000	39,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	40,000	49,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	50,000	59,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	60,000	69,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				46,757,555	898	17.1%	7.9%			9.9%	9.8%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 8 - Rate Statistics

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
1.000" Residential <10,000 Gallons	0	999	0.997	40,890	0	0.0%	0.0%	20.5%	100.0%	0.0%	0.0%
	1,000	1,999	0.952	38,090	0	0.0%	0.0%	39.6%	79.5%	0.0%	0.0%
	2,000	2,999	0.860	32,663	1	0.0%	0.0%	56.0%	60.4%	0.0%	0.0%
	3,000	3,999	0.934	26,164	0	0.0%	0.0%	69.2%	44.0%	0.0%	0.0%
	4,000	4,999	0.839	19,290	1	0.0%	0.0%	78.9%	30.8%	0.0%	0.0%
	5,000	5,999	0.972	14,573	0	0.0%	0.0%	86.2%	21.1%	0.0%	0.0%
	6,000	6,999	0.906	11,784	0	0.0%	0.0%	92.1%	13.8%	0.0%	0.0%
	7,000	7,999	0.814	8,952	0	0.0%	0.0%	96.6%	7.9%	0.0%	0.0%
	8,000	8,999	0.782	5,473	0	0.0%	0.0%	99.3%	3.4%	0.0%	0.0%
	9,000	9,999	0.452	1,355	0	0.0%	0.0%	100.0%	0.7%	0.0%	0.0%
	10,000	14,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	15,000	19,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	20,000	29,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	30,000	39,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	40,000	49,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	50,000	59,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	60,000	69,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				199,234	3	0.1%	0.0%			0.0%	0.0%
1.500" Residential <10,000 Gallons	0	999	1.000	1,000	0	0.0%	0.0%	58.1%	100.0%	0.0%	0.0%
	1,000	1,999	0.720	720	0	0.0%	0.0%	100.0%	41.9%	0.0%	0.0%
	2,000	2,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	3,000	3,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	4,000	4,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	5,000	5,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	6,000	6,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	7,000	7,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	8,000	8,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	9,000	9,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	10,000	14,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	15,000	19,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	20,000	29,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	30,000	39,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	40,000	49,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	50,000	59,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	60,000	69,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				1,720	0	0.0%	0.0%			0.0%	0.0%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 8 - Rate Statistics

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
2.000" Residential <10,000 Gallons	0	999	0.645	39,996	2	0.0%	0.0%	21.8%	100.0%	0.0%	0.1%
	1,000	1,999	0.959	32,594	0	0.0%	0.0%	39.6%	78.2%	0.0%	0.0%
	2,000	2,999	0.807	25,019	1	0.0%	0.0%	53.3%	60.4%	0.0%	0.0%
	3,000	3,999	0.948	20,862	0	0.0%	0.0%	64.7%	46.7%	0.0%	0.0%
	4,000	4,999	0.985	19,704	0	0.0%	0.0%	75.4%	35.3%	0.0%	0.0%
	5,000	5,999	0.927	17,605	0	0.0%	0.0%	85.0%	24.6%	0.0%	0.0%
	6,000	6,999	0.961	16,330	0	0.0%	0.0%	93.9%	15.0%	0.0%	0.0%
	7,000	7,999	0.624	8,116	1	0.0%	0.0%	98.4%	6.1%	0.0%	0.0%
	8,000	8,999	0.559	2,235	0	0.0%	0.0%	99.6%	1.6%	0.0%	0.0%
	9,000	9,999	0.753	753	0	0.0%	0.0%	100.0%	0.4%	0.0%	0.0%
	10,000	14,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	15,000	19,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	20,000	29,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	30,000	39,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	40,000	49,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	50,000	59,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	60,000	69,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				183,214	5	0.1%	0.0%			0.1%	0.2%
0.625" Residential ≥10,000 Gallons	0	999	1.000	11,334,000	0	0.0%	1.9%	5.1%	100.0%	0.8%	0.8%
	1,000	1,999	1.000	11,334,000	0	0.0%	1.9%	10.3%	94.9%	0.8%	0.8%
	2,000	2,999	1.000	11,334,000	0	0.0%	1.9%	15.4%	89.7%	0.8%	0.8%
	3,000	3,999	1.000	11,334,000	0	0.0%	1.9%	20.5%	84.6%	0.9%	0.8%
	4,000	4,999	1.000	11,334,000	0	0.0%	1.9%	25.7%	79.5%	0.9%	0.8%
	5,000	5,999	1.000	11,334,000	0	0.0%	1.9%	30.8%	74.3%	0.9%	1.0%
	6,000	6,999	1.000	11,334,000	0	0.0%	1.9%	35.9%	69.2%	0.9%	1.0%
	7,000	7,999	1.000	11,334,000	0	0.0%	1.9%	41.1%	64.1%	0.9%	1.0%
	8,000	8,999	1.000	11,334,000	0	0.0%	1.9%	46.2%	58.9%	0.9%	1.0%
	9,000	9,999	1.000	11,334,000	0	0.0%	1.9%	51.4%	53.8%	0.9%	1.0%
	10,000	14,999	3.650	41,371,135	445	8.5%	7.0%	70.1%	48.6%	8.8%	8.2%
	15,000	19,999	3.873	23,203,840	204	3.9%	3.9%	80.6%	29.9%	4.5%	4.3%
	20,000	29,999	6.385	22,640,922	178	3.4%	3.8%	90.9%	19.4%	4.4%	5.0%
	30,000	39,999	6.829	9,621,670	65	1.2%	1.6%	95.2%	9.1%	1.9%	2.0%
	40,000	49,999	7.277	4,620,997	26	0.5%	0.8%	97.3%	4.8%	0.9%	0.9%
	50,000	59,999	7.219	2,360,526	13	0.2%	0.4%	98.4%	2.7%	0.6%	0.5%
	60,000	69,999	7.531	1,280,209	6	0.1%	0.2%	99.0%	1.6%	0.3%	0.3%
	70,000	79,999	7.741	750,882	3	0.1%	0.1%	99.3%	1.0%	0.2%	0.1%
	80,000	89,999	8.297	497,824	2	0.0%	0.1%	99.5%	0.7%	0.1%	0.1%
	90,000	99,999	9.460	387,877	1	0.0%	0.1%	99.7%	0.5%	0.1%	0.1%
100,000	109,999	7.217	238,151	1	0.0%	0.0%	99.8%	0.3%	0.1%	0.0%	
110,000	119,999	7.987	151,762	1	0.0%	0.0%	99.9%	0.2%	0.0%	0.0%	
120,000	129,999	7.719	100,347	1	0.0%	0.0%	99.9%	0.1%	0.0%	0.0%	
130,000	139,999	8.386	50,318	0	0.0%	0.0%	100.0%	0.1%	0.0%	0.0%	
140,000	149,999	7.597	30,387	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	10.000	20,000	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	17.328	34,656	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				220,701,503	945	18.0%	37.4%			30.5%	30.7%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 8 - Rate Statistics

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
0.750" Residential ≥10,000 Gallons	0	999	1.000	4,107,000	0	0.0%	0.7%	4.3%	100.0%	0.3%	0.3%
	1,000	1,999	1.000	4,107,000	0	0.0%	0.7%	8.6%	95.7%	0.3%	0.3%
	2,000	2,999	1.000	4,107,000	0	0.0%	0.7%	12.9%	91.4%	0.3%	0.3%
	3,000	3,999	1.000	4,107,000	0	0.0%	0.7%	17.2%	87.1%	0.3%	0.3%
	4,000	4,999	1.000	4,107,000	0	0.0%	0.7%	21.5%	82.8%	0.3%	0.3%
	5,000	5,999	1.000	4,107,000	0	0.0%	0.7%	25.8%	78.5%	0.3%	0.4%
	6,000	6,999	1.000	4,107,000	0	0.0%	0.7%	30.1%	74.2%	0.3%	0.4%
	7,000	7,999	1.000	4,107,000	0	0.0%	0.7%	34.4%	69.9%	0.3%	0.4%
	8,000	8,999	1.000	4,107,000	0	0.0%	0.7%	38.6%	65.6%	0.3%	0.4%
	9,000	9,999	1.000	4,107,000	0	0.0%	0.7%	42.9%	61.4%	0.3%	0.4%
	10,000	14,999	3.744	15,378,526	153	2.9%	2.6%	59.0%	57.1%	3.2%	3.0%
	15,000	19,999	3.902	8,885,489	74	1.4%	1.5%	68.3%	41.0%	1.7%	1.6%
	20,000	29,999	6.666	9,225,177	65	1.2%	1.6%	78.0%	31.7%	1.7%	2.0%
	30,000	39,999	7.126	4,332,407	25	0.5%	0.7%	82.5%	22.0%	0.8%	0.9%
	40,000	49,999	7.319	2,254,261	12	0.2%	0.4%	84.8%	17.5%	0.4%	0.5%
	50,000	59,999	8.090	1,302,542	5	0.1%	0.2%	86.2%	15.2%	0.3%	0.2%
	60,000	69,999	7.602	752,563	4	0.1%	0.1%	87.0%	13.8%	0.2%	0.2%
	70,000	79,999	8.024	417,247	2	0.0%	0.1%	87.4%	13.0%	0.1%	0.1%
	80,000	89,999	7.927	261,603	1	0.0%	0.0%	87.7%	12.6%	0.1%	0.1%
	90,000	99,999	8.194	139,290	0	0.0%	0.0%	87.9%	12.3%	0.0%	0.0%
	100,000	109,999	8.566	111,357	0	0.0%	0.0%	88.0%	12.1%	0.0%	0.0%
110,000	119,999	9.568	95,684	0	0.0%	0.0%	88.1%	12.0%	0.0%	0.0%	
120,000	129,999	10.000	80,000	0	0.0%	0.0%	88.2%	11.9%	0.0%	0.0%	
130,000	139,999	9.346	74,768	0	0.0%	0.0%	88.2%	11.8%	0.0%	0.0%	
140,000	149,999	10.000	70,000	0	0.0%	0.0%	88.3%	11.8%	0.0%	0.0%	
150,000	159,999	10.000	70,000	0	0.0%	0.0%	88.4%	11.7%	0.0%	0.0%	
160,000	99,999,999	1,588.092	11,116,646	1	0.0%	1.9%	100.0%	11.6%	2.1%	1.8%	
Totals for Class				95,637,560	342	6.5%	16.2%			13.8%	13.7%
1.000" Residential ≥10,000 Gallons	0	999	1.000	35,000	0	0.0%	0.0%	3.5%	100.0%	0.0%	0.0%
	1,000	1,999	1.000	35,000	0	0.0%	0.0%	7.0%	96.5%	0.0%	0.0%
	2,000	2,999	1.000	35,000	0	0.0%	0.0%	10.4%	93.0%	0.0%	0.0%
	3,000	3,999	1.000	35,000	0	0.0%	0.0%	13.9%	89.6%	0.0%	0.0%
	4,000	4,999	1.000	35,000	0	0.0%	0.0%	17.4%	86.1%	0.0%	0.0%
	5,000	5,999	1.000	35,000	0	0.0%	0.0%	20.9%	82.6%	0.0%	0.0%
	6,000	6,999	1.000	35,000	0	0.0%	0.0%	24.3%	79.1%	0.0%	0.0%
	7,000	7,999	1.000	35,000	0	0.0%	0.0%	27.8%	75.7%	0.0%	0.0%
	8,000	8,999	1.000	35,000	0	0.0%	0.0%	31.3%	72.2%	0.0%	0.0%
	9,000	9,999	1.000	35,000	0	0.0%	0.0%	34.8%	68.7%	0.0%	0.0%
	10,000	14,999	4.537	158,802	1	0.0%	0.0%	50.6%	65.2%	0.0%	0.0%
	15,000	19,999	4.227	122,592	1	0.0%	0.0%	62.7%	49.4%	0.0%	0.0%
	20,000	29,999	6.169	135,707	1	0.0%	0.0%	76.2%	37.3%	0.0%	0.0%
	30,000	39,999	10.000	90,000	0	0.0%	0.0%	85.2%	23.8%	0.0%	0.0%
	40,000	49,999	7.258	65,320	0	0.0%	0.0%	91.7%	14.8%	0.0%	0.0%
	50,000	59,999	8.010	48,060	0	0.0%	0.0%	96.4%	8.3%	0.0%	0.0%
	60,000	69,999	7.325	29,301	0	0.0%	0.0%	99.3%	3.6%	0.0%	0.0%
	70,000	79,999	3.294	6,587	0	0.0%	0.0%	100.0%	0.7%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				1,006,369	3	0.1%	0.2%			0.1%	0.2%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 8 - Rate Statistics

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
1.500" Residential ≥10,000 Gallons	0	999	1.000	12,000	0	0.0%	0.0%	2.7%	100.0%	0.0%	0.0%
	1,000	1,999	1.000	12,000	0	0.0%	0.0%	5.3%	97.3%	0.0%	0.0%
	2,000	2,999	1.000	12,000	0	0.0%	0.0%	8.0%	94.7%	0.0%	0.0%
	3,000	3,999	1.000	12,000	0	0.0%	0.0%	10.7%	92.0%	0.0%	0.0%
	4,000	4,999	1.000	12,000	0	0.0%	0.0%	13.3%	89.3%	0.0%	0.0%
	5,000	5,999	1.000	12,000	0	0.0%	0.0%	16.0%	86.7%	0.0%	0.0%
	6,000	6,999	1.000	12,000	0	0.0%	0.0%	18.7%	84.0%	0.0%	0.0%
	7,000	7,999	1.000	12,000	0	0.0%	0.0%	21.3%	81.3%	0.0%	0.0%
	8,000	8,999	1.000	12,000	0	0.0%	0.0%	24.0%	78.7%	0.0%	0.0%
	9,000	9,999	1.000	12,000	0	0.0%	0.0%	26.7%	76.0%	0.0%	0.0%
	10,000	14,999	5.000	60,000	0	0.0%	0.0%	40.0%	73.3%	0.0%	0.0%
	15,000	19,999	5.000	60,000	0	0.0%	0.0%	53.4%	60.0%	0.0%	0.0%
	20,000	29,999	7.767	93,200	0	0.0%	0.0%	74.1%	46.6%	0.0%	0.0%
	30,000	39,999	7.306	65,751	0	0.0%	0.0%	88.7%	25.9%	0.0%	0.0%
	40,000	49,999	6.856	34,280	0	0.0%	0.0%	96.3%	11.3%	0.0%	0.0%
	50,000	59,999	4.733	14,200	0	0.0%	0.0%	99.5%	3.7%	0.0%	0.0%
	60,000	69,999	2.400	2,400	0	0.0%	0.0%	100.0%	0.5%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				449,831	1	0.0%	0.1%			0.1%	0.1%
2.000" Residential ≥10,000 Gallons	0	999	1.000	44,000	0	0.0%	0.0%	1.9%	100.0%	0.0%	0.0%
	1,000	1,999	1.000	44,000	0	0.0%	0.0%	3.8%	98.1%	0.0%	0.0%
	2,000	2,999	1.000	44,000	0	0.0%	0.0%	5.8%	96.2%	0.0%	0.0%
	3,000	3,999	1.000	44,000	0	0.0%	0.0%	7.7%	94.2%	0.0%	0.0%
	4,000	4,999	1.000	44,000	0	0.0%	0.0%	9.6%	92.3%	0.0%	0.0%
	5,000	5,999	1.000	44,000	0	0.0%	0.0%	11.5%	90.4%	0.0%	0.0%
	6,000	6,999	1.000	44,000	0	0.0%	0.0%	13.4%	88.5%	0.0%	0.0%
	7,000	7,999	1.000	44,000	0	0.0%	0.0%	15.3%	86.6%	0.0%	0.0%
	8,000	8,999	1.000	44,000	0	0.0%	0.0%	17.3%	84.7%	0.0%	0.0%
	9,000	9,999	1.000	44,000	0	0.0%	0.0%	19.2%	82.7%	0.0%	0.0%
	10,000	14,999	4.344	191,133	1	0.0%	0.0%	27.5%	80.8%	0.0%	0.1%
	15,000	19,999	3.999	127,959	1	0.0%	0.0%	33.1%	72.5%	0.0%	0.0%
	20,000	29,999	6.355	133,447	1	0.0%	0.0%	38.9%	66.9%	0.0%	0.1%
	30,000	39,999	8.080	72,722	0	0.0%	0.0%	42.1%	61.1%	0.0%	0.0%
	40,000	49,999	9.709	67,966	0	0.0%	0.0%	45.0%	57.9%	0.0%	0.0%
	50,000	59,999	8.191	49,148	0	0.0%	0.0%	47.2%	55.0%	0.0%	0.0%
	60,000	69,999	10.000	40,000	0	0.0%	0.0%	48.9%	52.8%	0.0%	0.0%
	70,000	79,999	10.000	40,000	0	0.0%	0.0%	50.7%	51.1%	0.0%	0.0%
	80,000	89,999	10.000	40,000	0	0.0%	0.0%	52.4%	49.3%	0.0%	0.0%
	90,000	99,999	10.000	40,000	0	0.0%	0.0%	54.2%	47.6%	0.0%	0.0%
	100,000	109,999	10.000	40,000	0	0.0%	0.0%	55.9%	45.8%	0.0%	0.0%
110,000	119,999	10.000	40,000	0	0.0%	0.0%	57.7%	44.1%	0.0%	0.0%	
120,000	129,999	10.000	40,000	0	0.0%	0.0%	59.4%	42.3%	0.0%	0.0%	
130,000	139,999	10.000	40,000	0	0.0%	0.0%	61.1%	40.6%	0.0%	0.0%	
140,000	149,999	10.000	40,000	0	0.0%	0.0%	62.9%	38.9%	0.0%	0.0%	
150,000	159,999	10.000	40,000	0	0.0%	0.0%	64.6%	37.1%	0.0%	0.0%	
160,000	99,999,999	202.800	811,200	0	0.0%	0.1%	100.0%	35.4%	0.2%	0.1%	
Totals for Class				2,293,575	4	0.1%	0.4%			0.4%	0.5%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 8 - Rate Statistics

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
0.625" Commercial	0	999	0.999	47,947	0	0.0%	0.0%	9.9%	100.0%	0.0%	0.0%
	1,000	1,999	0.992	46,614	0	0.0%	0.0%	19.5%	90.1%	0.0%	0.0%
	2,000	2,999	0.901	40,541	1	0.0%	0.0%	27.9%	80.5%	0.0%	0.0%
	3,000	3,999	0.917	33,940	1	0.0%	0.0%	34.9%	72.1%	0.0%	0.0%
	4,000	4,999	0.947	28,414	0	0.0%	0.0%	40.8%	65.1%	0.0%	0.0%
	5,000	5,999	0.912	25,546	0	0.0%	0.0%	46.1%	59.2%	0.0%	0.0%
	6,000	6,999	0.944	23,592	0	0.0%	0.0%	51.0%	53.9%	0.0%	0.0%
	7,000	7,999	0.800	17,610	1	0.0%	0.0%	54.6%	49.0%	0.0%	0.0%
	8,000	8,999	1.000	12,000	0	0.0%	0.0%	57.1%	45.4%	0.0%	0.0%
	9,000	9,999	0.961	11,526	0	0.0%	0.0%	59.5%	42.9%	0.0%	0.0%
	10,000	14,999	4.723	51,952	0	0.0%	0.0%	70.2%	40.5%	0.0%	0.0%
	15,000	19,999	4.531	45,308	0	0.0%	0.0%	79.6%	29.8%	0.0%	0.0%
	20,000	29,999	6.036	54,322	1	0.0%	0.0%	90.8%	20.4%	0.0%	0.0%
	30,000	39,999	5.648	16,943	0	0.0%	0.0%	94.3%	9.2%	0.0%	0.0%
	40,000	49,999	10.000	10,000	0	0.0%	0.0%	96.4%	5.7%	0.0%	0.0%
	50,000	59,999	10.000	10,000	0	0.0%	0.0%	98.5%	3.6%	0.0%	0.0%
	60,000	69,999	7.447	7,447	0	0.0%	0.0%	100.0%	1.5%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				483,702	4	0.1%	0.1%			0.1%	0.1%
0.750" Commercial	0	999	0.653	462,723	27	0.5%	0.1%	1.0%	100.0%	0.3%	0.2%
	1,000	1,999	0.905	349,184	6	0.1%	0.1%	1.7%	99.0%	0.1%	0.1%
	2,000	2,999	0.927	292,137	3	0.1%	0.0%	2.3%	98.3%	0.1%	0.0%
	3,000	3,999	0.956	261,916	3	0.0%	0.0%	2.9%	97.7%	0.0%	0.0%
	4,000	4,999	0.928	226,391	3	0.1%	0.0%	3.4%	97.1%	0.0%	0.0%
	5,000	5,999	0.927	191,061	3	0.0%	0.0%	3.8%	96.6%	0.0%	0.0%
	6,000	6,999	0.934	164,303	2	0.0%	0.0%	4.1%	96.2%	0.0%	0.0%
	7,000	7,999	0.946	146,605	1	0.0%	0.0%	4.4%	95.9%	0.0%	0.0%
	8,000	8,999	0.915	128,089	2	0.0%	0.0%	4.7%	95.6%	0.0%	0.0%
	9,000	9,999	0.869	100,765	2	0.0%	0.0%	4.9%	95.3%	0.0%	0.0%
	10,000	14,999	3.644	327,920	3	0.1%	0.1%	5.6%	95.1%	0.1%	0.1%
	15,000	19,999	4.296	227,695	1	0.0%	0.0%	6.1%	94.4%	0.0%	0.0%
	20,000	29,999	8.315	315,971	1	0.0%	0.1%	6.8%	93.9%	0.0%	0.1%
	30,000	39,999	9.210	248,673	1	0.0%	0.0%	7.3%	93.2%	0.0%	0.0%
	40,000	49,999	10.000	200,000	0	0.0%	0.0%	7.7%	92.7%	0.0%	0.0%
	50,000	59,999	9.915	198,307	0	0.0%	0.0%	8.2%	92.3%	0.0%	0.0%
	60,000	69,999	9.527	181,014	0	0.0%	0.0%	8.5%	91.8%	0.0%	0.0%
	70,000	79,999	10.000	180,000	0	0.0%	0.0%	8.9%	91.5%	0.0%	0.0%
	80,000	89,999	10.000	180,000	0	0.0%	0.0%	9.3%	91.1%	0.0%	0.0%
	90,000	99,999	9.588	172,590	0	0.0%	0.0%	9.7%	90.7%	0.0%	0.0%
100,000	109,999	10.000	170,000	0	0.0%	0.0%	10.0%	90.3%	0.0%	0.0%	
110,000	119,999	9.750	165,757	0	0.0%	0.0%	10.4%	90.0%	0.0%	0.0%	
120,000	129,999	9.550	152,797	0	0.0%	0.0%	10.7%	89.6%	0.0%	0.0%	
130,000	139,999	10.000	150,000	0	0.0%	0.0%	11.0%	89.3%	0.0%	0.0%	
140,000	149,999	10.000	150,000	0	0.0%	0.0%	11.3%	89.0%	0.0%	0.0%	
150,000	159,999	10.000	150,000	0	0.0%	0.0%	11.7%	88.7%	0.0%	0.0%	
160,000	99,999,999	2,773.403	41,601,040	1	0.0%	7.0%	100.0%	88.3%	7.7%	6.8%	
Totals for Class				47,094,938	59	1.1%	8.0%			9.0%	7.9%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 8 - Rate Statistics

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
1.000" Commercial	0	999	0.850	254,170	6	0.1%	0.0%	5.2%	100.0%	0.1%	0.1%
	1,000	1,999	0.955	216,778	2	0.0%	0.0%	9.7%	94.8%	0.0%	0.0%
	2,000	2,999	0.962	201,098	2	0.0%	0.0%	13.8%	90.3%	0.0%	0.0%
	3,000	3,999	0.947	178,962	2	0.0%	0.0%	17.5%	86.2%	0.0%	0.0%
	4,000	4,999	0.919	155,250	2	0.0%	0.0%	20.7%	82.5%	0.0%	0.0%
	5,000	5,999	0.972	139,992	1	0.0%	0.0%	23.6%	79.3%	0.0%	0.0%
	6,000	6,999	0.949	130,939	1	0.0%	0.0%	26.2%	76.4%	0.0%	0.0%
	7,000	7,999	0.980	124,467	0	0.0%	0.0%	28.8%	73.8%	0.0%	0.0%
	8,000	8,999	0.983	120,968	0	0.0%	0.0%	31.3%	71.2%	0.0%	0.0%
	9,000	9,999	0.982	117,799	0	0.0%	0.0%	33.7%	68.7%	0.0%	0.0%
	10,000	14,999	4.689	548,624	1	0.0%	0.1%	45.0%	66.3%	0.1%	0.1%
	15,000	19,999	3.993	399,274	3	0.1%	0.1%	53.2%	55.0%	0.1%	0.1%
	20,000	29,999	7.924	475,410	2	0.0%	0.1%	62.9%	46.8%	0.1%	0.1%
	30,000	39,999	8.372	309,761	1	0.0%	0.1%	69.3%	37.1%	0.0%	0.1%
	40,000	49,999	8.028	208,735	1	0.0%	0.0%	73.6%	30.7%	0.0%	0.0%
	50,000	59,999	8.939	151,962	0	0.0%	0.0%	76.7%	26.4%	0.0%	0.0%
	60,000	69,999	9.896	138,550	0	0.0%	0.0%	79.6%	23.3%	0.0%	0.0%
	70,000	79,999	8.950	116,350	0	0.0%	0.0%	82.0%	20.4%	0.0%	0.0%
	80,000	89,999	10.000	90,000	0	0.0%	0.0%	83.8%	18.0%	0.0%	0.0%
	90,000	99,999	9.586	86,272	0	0.0%	0.0%	85.6%	16.2%	0.0%	0.0%
	100,000	109,999	9.593	76,741	0	0.0%	0.0%	87.2%	14.4%	0.0%	0.0%
110,000	119,999	10.000	60,000	0	0.0%	0.0%	88.4%	12.8%	0.0%	0.0%	
120,000	129,999	10.000	60,000	0	0.0%	0.0%	89.6%	11.6%	0.0%	0.0%	
130,000	139,999	10.000	60,000	0	0.0%	0.0%	90.9%	10.4%	0.0%	0.0%	
140,000	149,999	10.000	60,000	0	0.0%	0.0%	92.1%	9.1%	0.0%	0.0%	
150,000	159,999	10.000	60,000	0	0.0%	0.0%	93.3%	7.9%	0.0%	0.0%	
160,000	99,999,999	54.152	324,909	1	0.0%	0.1%	100.0%	6.7%	0.1%	0.1%	
Totals for Class				4,867,011	25	0.5%	0.8%			0.8%	0.9%
1.500" Commercial	0	999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	1,000	1,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	2,000	2,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	3,000	3,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	4,000	4,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	5,000	5,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	6,000	6,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	7,000	7,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	8,000	8,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	9,000	9,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	10,000	14,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	15,000	19,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	20,000	29,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	30,000	39,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	40,000	49,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	50,000	59,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	60,000	69,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	100,000	109,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
110,000	119,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
Totals for Class				0	0	0.0%	0.0%			0.0%	0.0%



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 8 - Rate Statistics

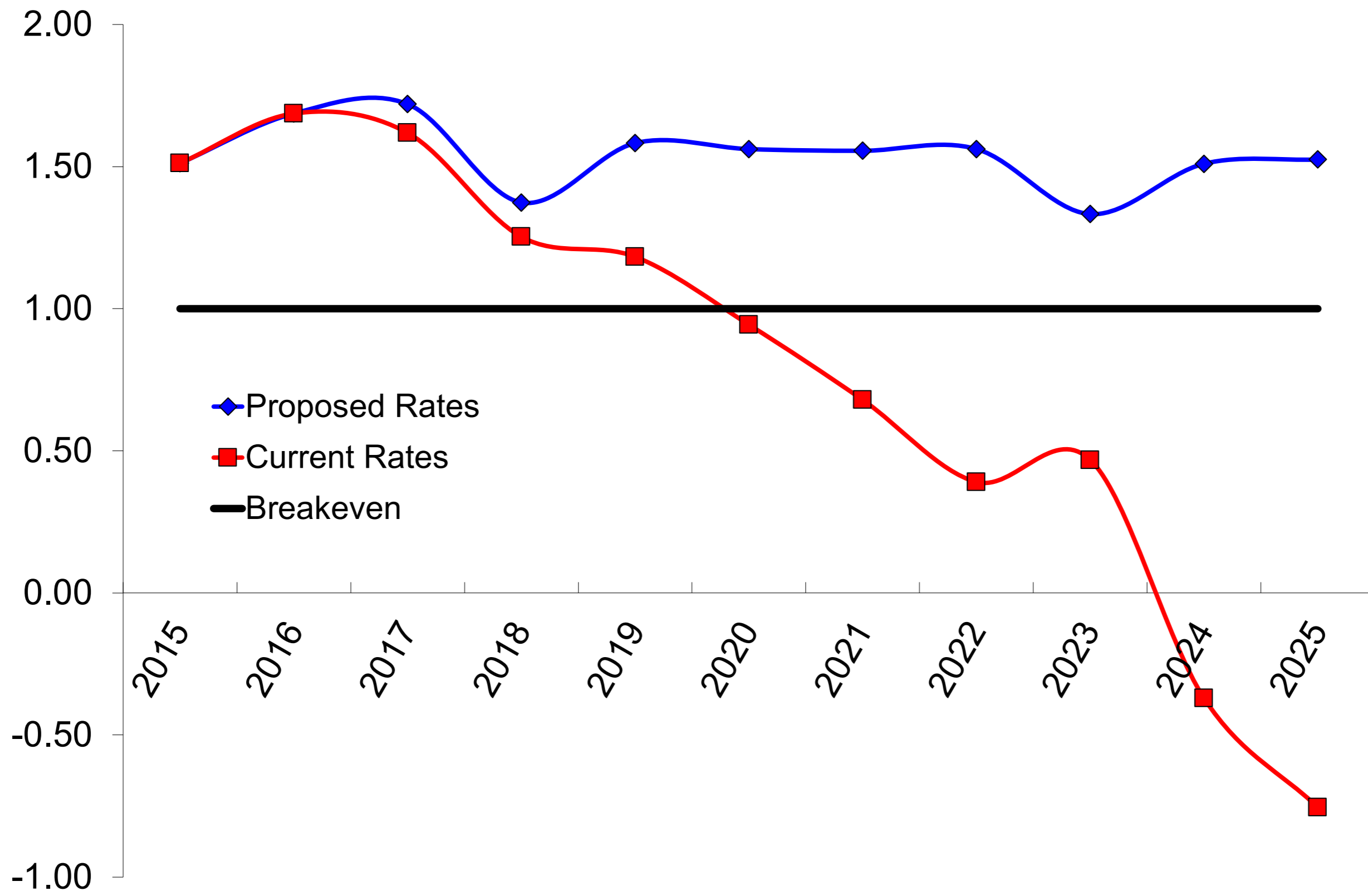
Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
2.000" Commercial	0	999	0.751	226,705	8	0.1%	0.0%	2.4%	100.0%	0.1%	0.3%
	1,000	1,999	0.965	200,770	1	0.0%	0.0%	4.5%	97.6%	0.0%	0.0%
	2,000	2,999	0.995	194,953	0	0.0%	0.0%	6.6%	95.5%	0.0%	0.0%
	3,000	3,999	0.971	185,370	1	0.0%	0.0%	8.6%	93.4%	0.0%	0.1%
	4,000	4,999	0.976	171,776	1	0.0%	0.0%	10.4%	91.4%	0.0%	0.0%
	5,000	5,999	0.978	162,267	1	0.0%	0.0%	12.1%	89.6%	0.0%	0.0%
	6,000	6,999	0.987	156,973	0	0.0%	0.0%	13.8%	87.9%	0.0%	0.0%
	7,000	7,999	0.976	151,299	1	0.0%	0.0%	15.4%	86.2%	0.0%	0.0%
	8,000	8,999	0.982	146,331	0	0.0%	0.0%	16.9%	84.6%	0.0%	0.0%
	9,000	9,999	0.990	144,542	0	0.0%	0.0%	18.5%	83.1%	0.0%	0.0%
	10,000	14,999	4.712	678,569	1	0.0%	0.1%	25.7%	81.5%	0.1%	0.1%
	15,000	19,999	4.566	584,409	2	0.0%	0.1%	31.9%	74.3%	0.1%	0.1%
	20,000	29,999	8.830	953,663	2	0.0%	0.2%	42.0%	68.1%	0.1%	0.2%
	30,000	39,999	8.839	724,783	1	0.0%	0.1%	49.7%	58.0%	0.1%	0.2%
	40,000	49,999	8.847	575,082	1	0.0%	0.1%	55.8%	50.3%	0.1%	0.1%
	50,000	59,999	9.382	459,702	0	0.0%	0.1%	60.7%	44.2%	0.1%	0.1%
	60,000	69,999	9.300	409,185	0	0.0%	0.1%	65.0%	39.3%	0.1%	0.1%
	70,000	79,999	9.794	391,764	0	0.0%	0.1%	69.2%	35.0%	0.1%	0.1%
	80,000	89,999	9.354	364,795	1	0.0%	0.1%	73.1%	30.8%	0.1%	0.1%
	90,000	99,999	9.423	310,959	0	0.0%	0.1%	76.4%	26.9%	0.1%	0.1%
	100,000	109,999	9.325	270,439	0	0.0%	0.0%	79.2%	23.6%	0.1%	0.1%
	110,000	119,999	9.061	217,475	0	0.0%	0.0%	81.6%	20.8%	0.0%	0.1%
	120,000	129,999	9.098	172,856	0	0.0%	0.0%	83.4%	18.4%	0.0%	0.0%
	130,000	139,999	9.294	148,698	0	0.0%	0.0%	85.0%	16.6%	0.0%	0.0%
	140,000	149,999	8.769	122,771	0	0.0%	0.0%	86.3%	15.0%	0.0%	0.0%
150,000	159,999	10.000	110,000	0	0.0%	0.0%	87.4%	13.7%	0.0%	0.0%	
160,000	99,999,999	107.546	1,183,003	1	0.0%	0.2%	100.0%	12.6%	0.2%	0.2%	
Totals for Class				9,419,139	25	0.5%	1.6%			1.6%	2.2%
3.000" Commercial	0	999	0.794	19,052	1	0.0%	0.0%	0.4%	100.0%	0.0%	0.1%
	1,000	1,999	0.810	12,959	1	0.0%	0.0%	0.7%	99.6%	0.0%	0.0%
	2,000	2,999	0.876	8,761	0	0.0%	0.0%	0.8%	99.3%	0.0%	0.0%
	3,000	3,999	1.000	8,000	0	0.0%	0.0%	1.0%	99.2%	0.0%	0.0%
	4,000	4,999	1.000	8,000	0	0.0%	0.0%	1.2%	99.0%	0.0%	0.0%
	5,000	5,999	1.000	8,000	0	0.0%	0.0%	1.3%	98.8%	0.0%	0.0%
	6,000	6,999	1.000	8,000	0	0.0%	0.0%	1.5%	98.7%	0.0%	0.0%
	7,000	7,999	1.000	8,000	0	0.0%	0.0%	1.7%	98.5%	0.0%	0.0%
	8,000	8,999	1.000	8,000	0	0.0%	0.0%	1.8%	98.3%	0.0%	0.0%
	9,000	9,999	1.000	8,000	0	0.0%	0.0%	2.0%	98.2%	0.0%	0.0%
	10,000	14,999	5.000	40,000	0	0.0%	0.0%	2.8%	98.0%	0.0%	0.0%
	15,000	19,999	5.000	40,000	0	0.0%	0.0%	3.7%	97.2%	0.0%	0.0%
	20,000	29,999	10.000	80,000	0	0.0%	0.0%	5.3%	96.3%	0.0%	0.0%
	30,000	39,999	10.000	80,000	0	0.0%	0.0%	7.0%	94.7%	0.0%	0.0%
	40,000	49,999	10.000	80,000	0	0.0%	0.0%	8.7%	93.0%	0.0%	0.0%
	50,000	59,999	10.000	80,000	0	0.0%	0.0%	10.3%	91.3%	0.0%	0.0%
	60,000	69,999	10.000	80,000	0	0.0%	0.0%	12.0%	89.7%	0.0%	0.0%
	70,000	79,999	10.000	80,000	0	0.0%	0.0%	13.7%	88.0%	0.0%	0.0%
	80,000	89,999	10.000	80,000	0	0.0%	0.0%	15.3%	86.3%	0.0%	0.0%
	90,000	99,999	9.694	77,550	0	0.0%	0.0%	16.9%	84.7%	0.0%	0.0%
	100,000	109,999	10.000	70,000	0	0.0%	0.0%	18.4%	83.1%	0.0%	0.0%
	110,000	119,999	10.000	70,000	0	0.0%	0.0%	19.8%	81.6%	0.0%	0.0%
	120,000	129,999	10.000	70,000	0	0.0%	0.0%	21.3%	80.2%	0.0%	0.0%
	130,000	139,999	10.000	70,000	0	0.0%	0.0%	22.7%	78.7%	0.0%	0.0%
	140,000	149,999	10.000	70,000	0	0.0%	0.0%	24.2%	77.3%	0.0%	0.0%
150,000	159,999	10.000	70,000	0	0.0%	0.0%	25.7%	75.8%	0.0%	0.0%	
160,000	99,999,999	510.954	3,576,680	1	0.0%	0.6%	100.0%	74.3%	0.7%	0.6%	
Totals for Class				4,811,002	2	0.0%	0.8%			0.9%	1.0%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

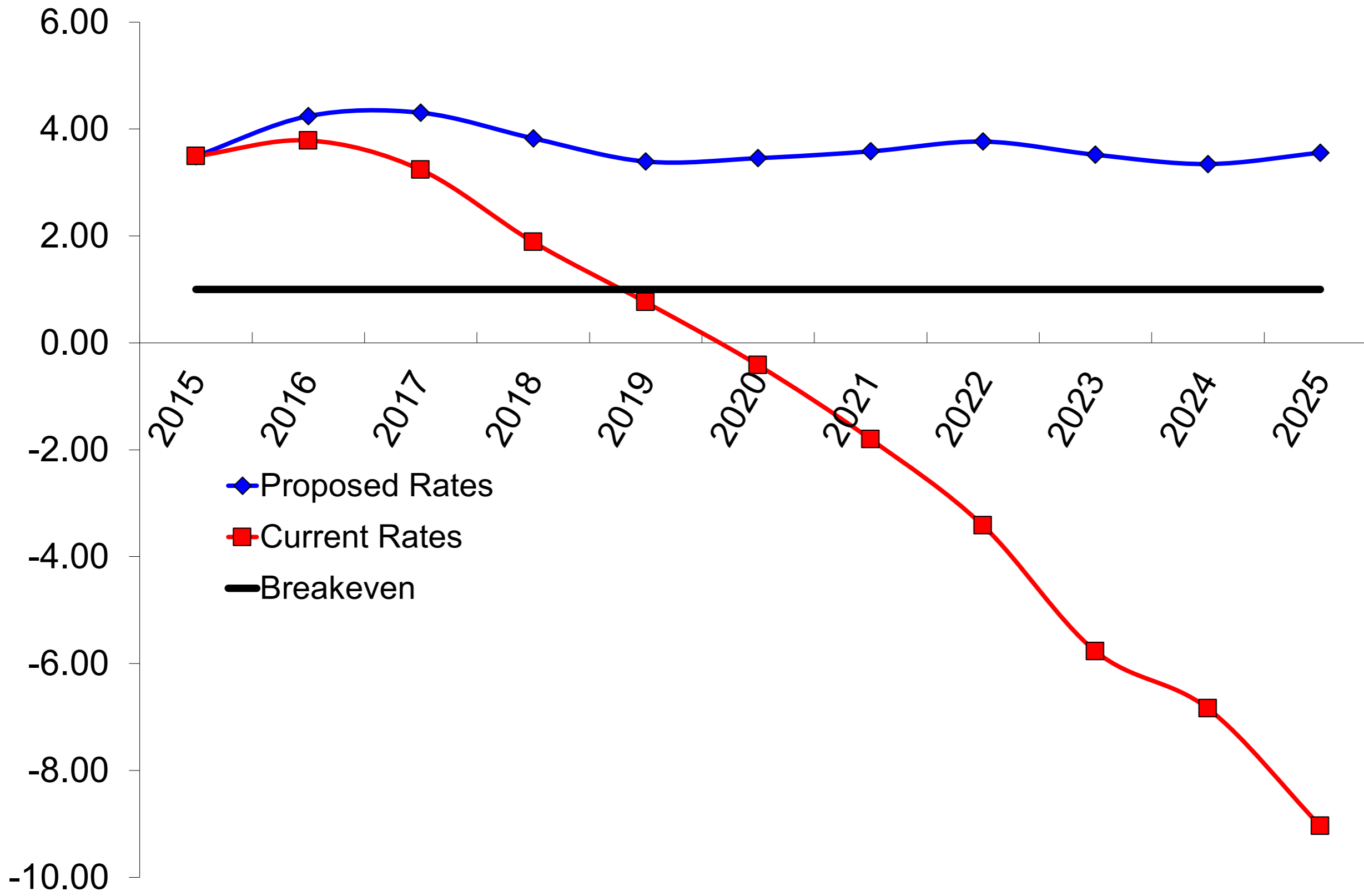
## Table 8 - Rate Statistics

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
4.000" Commercial	0	999	0.881	42,295	1	0.0%	0.0%	2.5%	100.0%	0.0%	0.2%
	1,000	1,999	1.000	36,000	0	0.0%	0.0%	4.6%	97.5%	0.0%	0.0%
	2,000	2,999	0.991	35,683	0	0.0%	0.0%	6.7%	95.4%	0.0%	0.0%
	3,000	3,999	1.000	35,000	0	0.0%	0.0%	8.8%	93.3%	0.0%	0.0%
	4,000	4,999	1.000	35,000	0	0.0%	0.0%	10.9%	91.2%	0.0%	0.0%
	5,000	5,999	1.000	35,000	0	0.0%	0.0%	13.0%	89.1%	0.0%	0.0%
	6,000	6,999	1.000	35,000	0	0.0%	0.0%	15.0%	87.0%	0.0%	0.0%
	7,000	7,999	0.996	34,846	0	0.0%	0.0%	17.1%	85.0%	0.0%	0.0%
	8,000	8,999	1.000	34,000	0	0.0%	0.0%	19.1%	82.9%	0.0%	0.0%
	9,000	9,999	1.000	34,000	0	0.0%	0.0%	21.1%	80.9%	0.0%	0.0%
	10,000	14,999	4.833	164,312	0	0.0%	0.0%	30.9%	78.9%	0.0%	0.0%
	15,000	19,999	4.956	158,597	0	0.0%	0.0%	40.2%	69.1%	0.0%	0.0%
	20,000	29,999	9.295	278,856	1	0.0%	0.0%	56.8%	59.8%	0.0%	0.1%
	30,000	39,999	9.181	220,351	0	0.0%	0.0%	69.8%	43.2%	0.0%	0.1%
	40,000	49,999	9.256	185,119	0	0.0%	0.0%	80.8%	30.2%	0.0%	0.1%
	50,000	59,999	7.552	128,382	1	0.0%	0.0%	88.4%	19.2%	0.0%	0.1%
	60,000	69,999	6.974	69,741	0	0.0%	0.0%	92.5%	11.6%	0.0%	0.1%
	70,000	79,999	6.346	31,728	0	0.0%	0.0%	94.4%	7.5%	0.0%	0.0%
	80,000	89,999	10.000	20,000	0	0.0%	0.0%	95.6%	5.6%	0.0%	0.0%
	90,000	99,999	10.000	20,000	0	0.0%	0.0%	96.7%	4.4%	0.0%	0.0%
	100,000	109,999	10.000	20,000	0	0.0%	0.0%	97.9%	3.3%	0.0%	0.0%
110,000	119,999	10.000	20,000	0	0.0%	0.0%	99.1%	2.1%	0.0%	0.0%	
120,000	129,999	7.040	14,079	0	0.0%	0.0%	99.9%	0.9%	0.0%	0.0%	
130,000	139,999	1.033	1,033	0	0.0%	0.0%	100.0%	0.1%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				1,689,022	4	0.1%	0.3%			0.2%	0.8%
Hydrant 2" Meter Bulk Users	0	999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	1,000	1,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	2,000	2,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	3,000	3,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	4,000	4,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	5,000	5,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	6,000	6,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	7,000	7,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	8,000	8,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	9,000	9,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	10,000	14,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	15,000	19,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	20,000	29,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	30,000	39,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	40,000	49,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	50,000	59,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	60,000	69,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	100,000	109,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
110,000	119,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
Totals for Class				0	0	0.0%	0.0%			0.0%	0.0%
Grand Totals				590,835,634		100.00%	100.00%			100.00%	100.00%

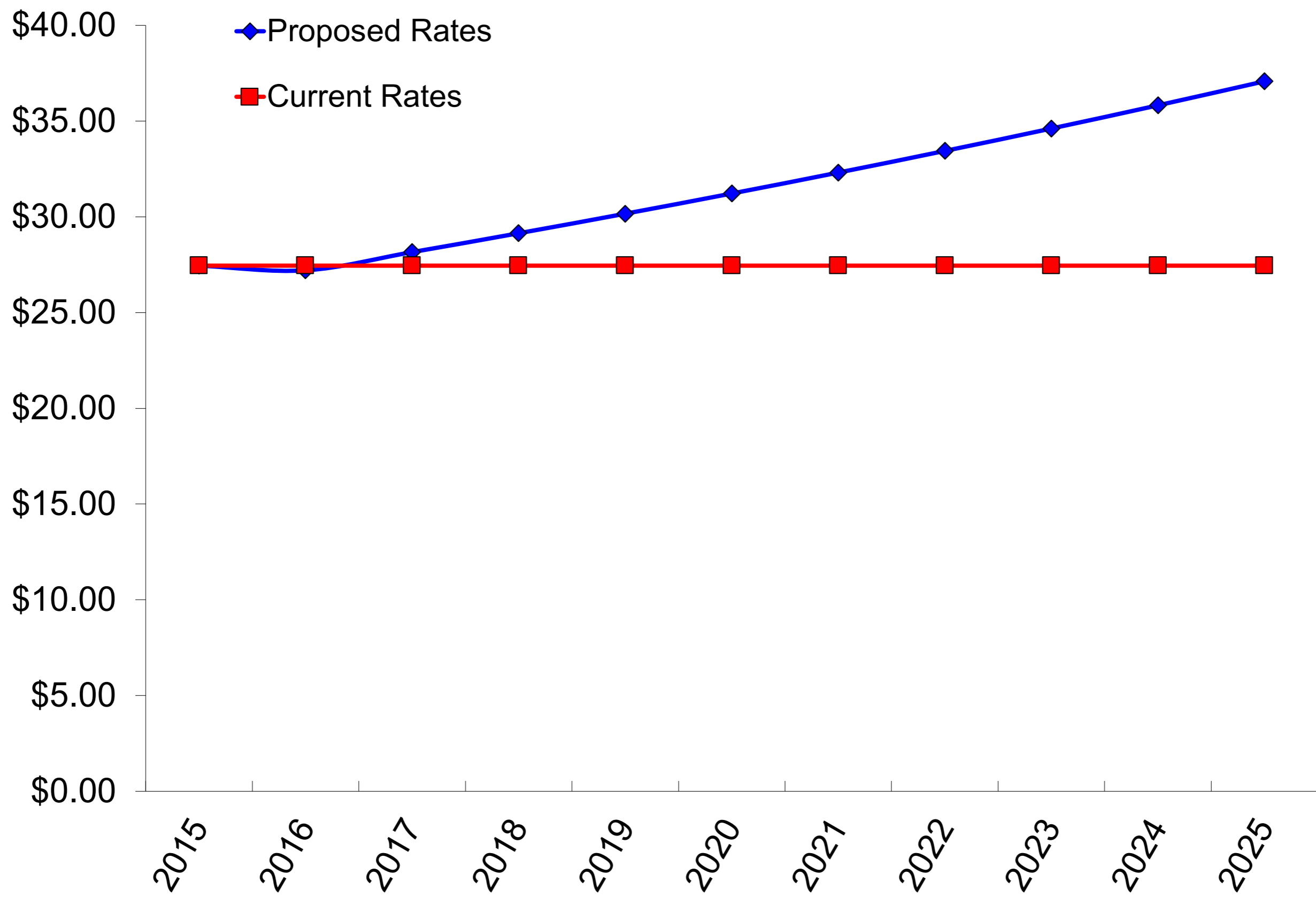
**Chart 1 - Operating Ratio**



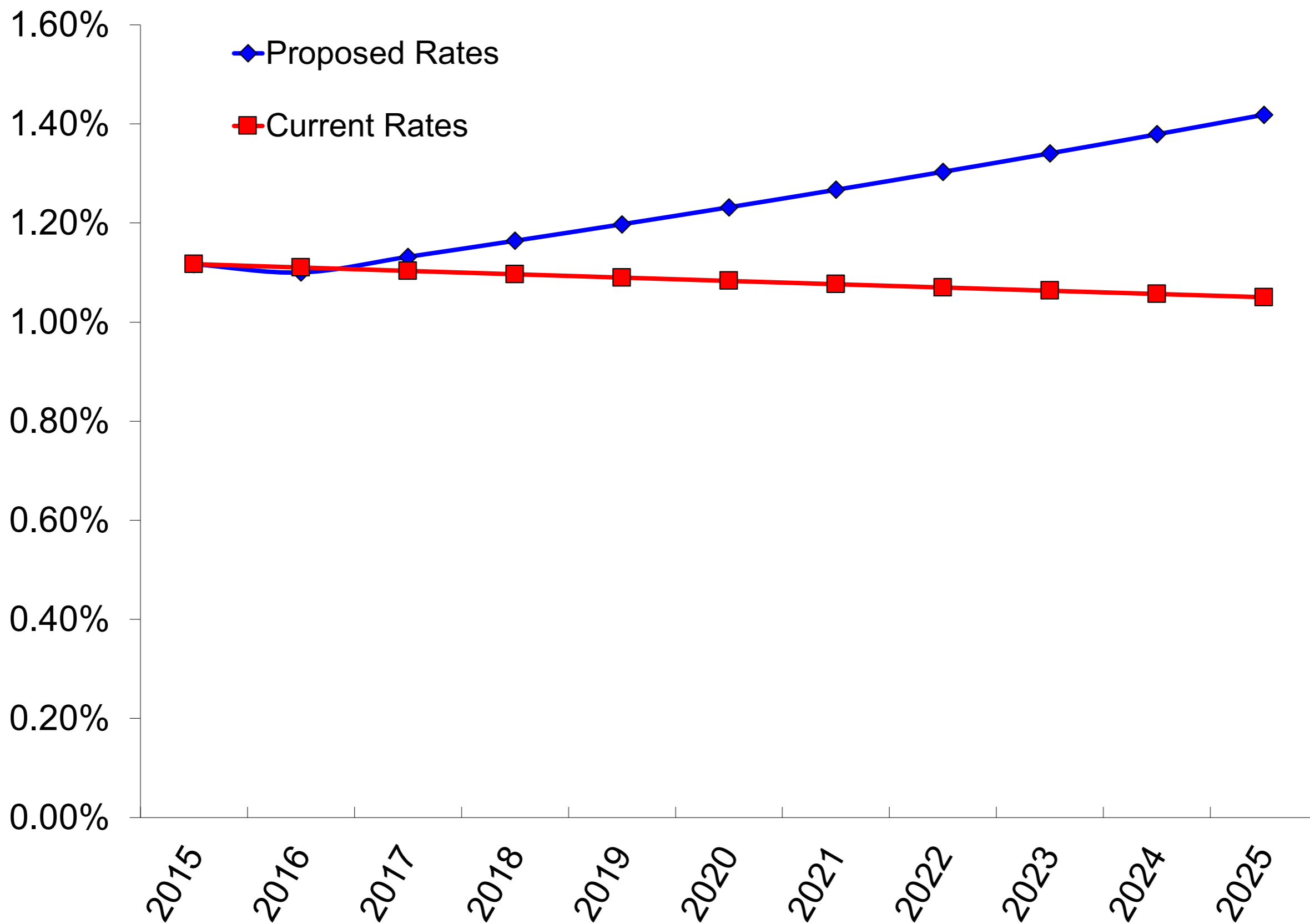
**Chart 2 - Coverage Ratio**



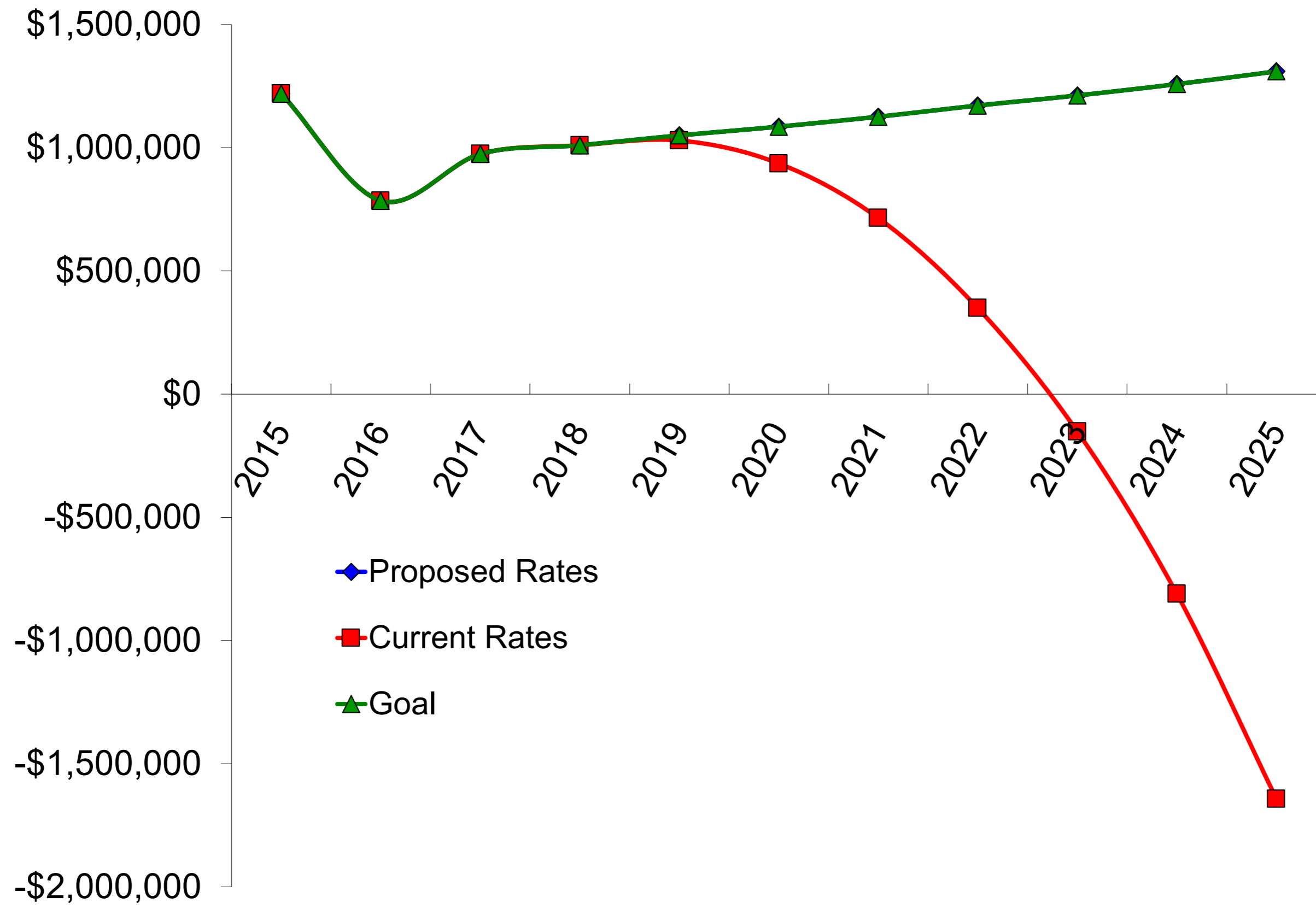
**Chart 3 - 5,000 Gal Residential User's Bill**



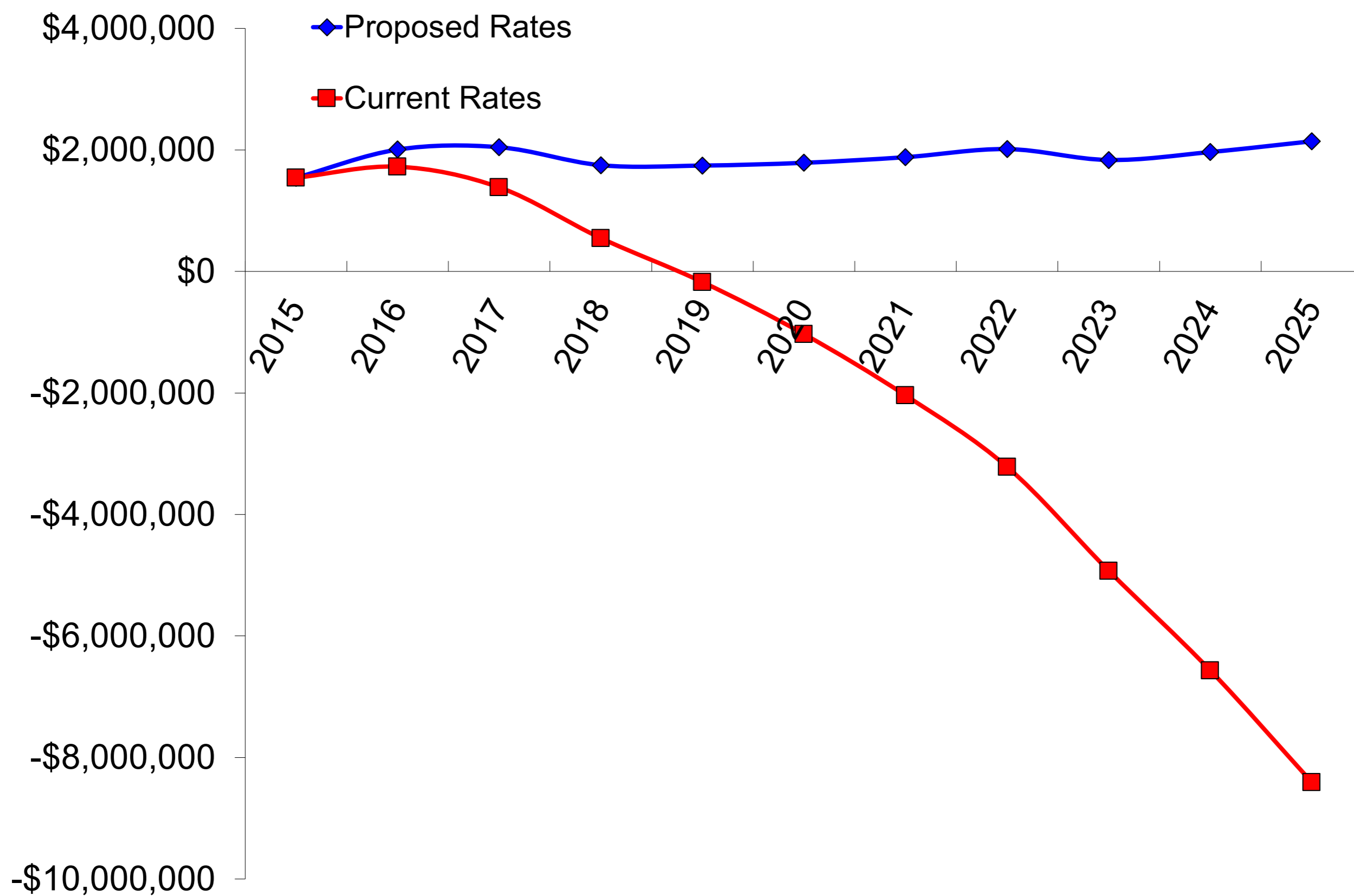
**Chart 4 - Affordability Index**



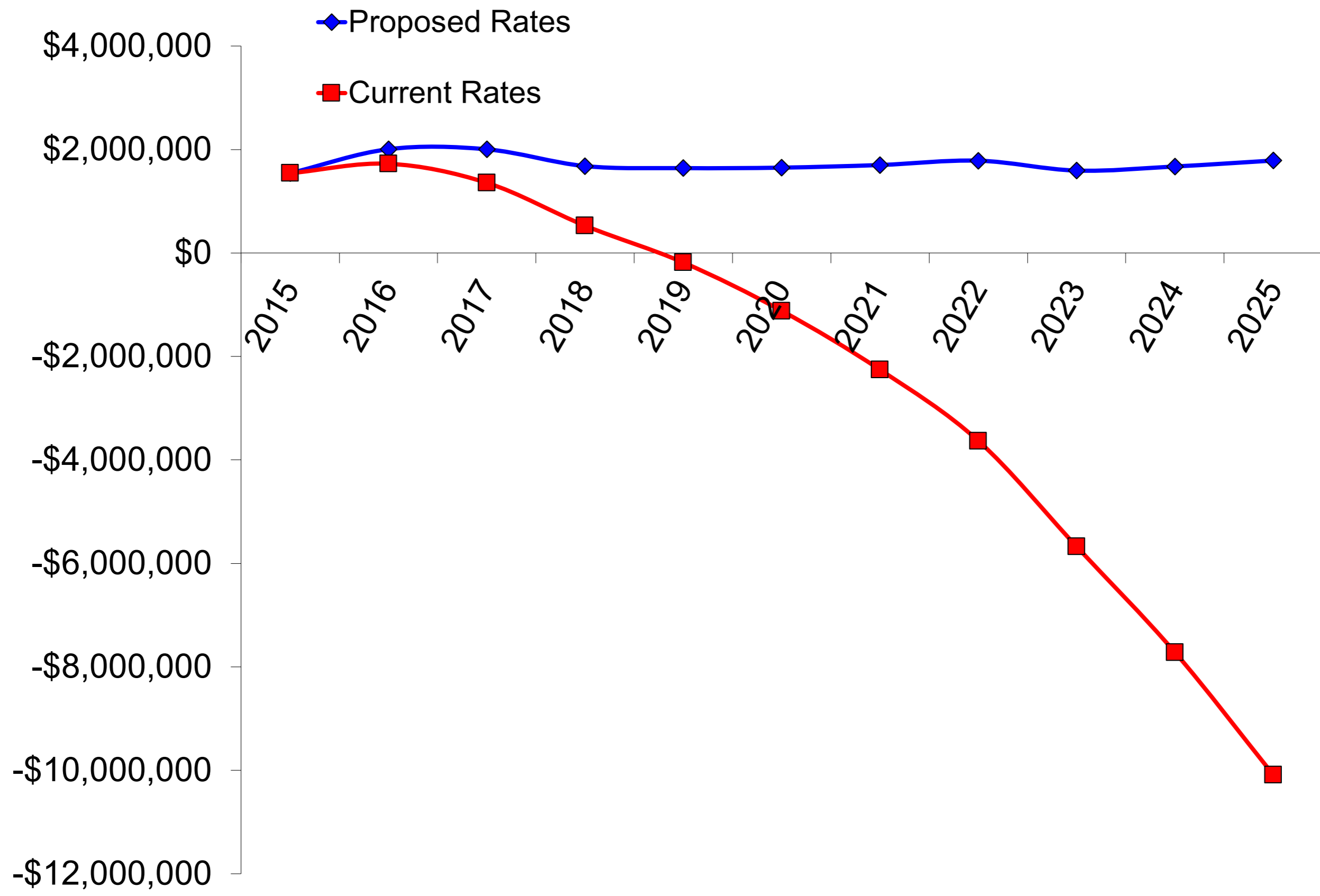
**Chart 5 - Working Capital vs Goal**



**Chart 6 - Value of Cash Assets Before Inflation**



### Chart 7 - Value of Cash Assets After Inflation



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 9 - Meter-size Based Tap Fees

This table calculates tap fees to charge each meter size and total tap fee revenues that would be generated during one full year following initial adjustment. This table only covers meter size-based installation fees. Share purchase is not included in this calculation.

### In-District Customers

Meter Size	Meter Size in Square Inches	Mix of New Taps in a Typical Year	AWWA Capacity Multiplier for Each Meter Size	Total AWWA Capacity "Shares" Attributable to Each Meter Size Group	AWWA-based Capacity Cost Each Meter Size	Economy of Scale Discount Rate	Out of District Surcharge Factor	Total New Tap Fees Each Meter Size	Full-year Tap Fee Income From Each Size Class
Five Eighths	0.31	44.4	1.0	44.4	\$1,642	100%	100%	\$1,642	\$72,856
Three Quarters	0.44	14.8	1.5	22.2	\$1,642	100%	100%	\$1,642	\$24,333
One Inch	0.79	0.4	2.5	0.9	\$4,106	88%	100%	\$3,613	\$1,288
One & a Half Inch	1.77	0.0	5.0	0.1	\$8,212	77%	100%	\$6,359	\$79
Two Inch	3.14	0.4	16.0	6.2	\$26,278	68%	100%	\$17,908	\$6,944
Three Inch	7.07	0.0	43.5	1.0	\$71,444	60%	100%	\$42,844	\$977
Four Inch	12.57	0.0	75.0	3.4	\$123,179	53%	100%	\$65,005	\$2,965
Six Inch	28.27	0.0	160.0	0.0	\$262,782	46%	100%	\$122,037	\$0
Eight Inch	50.27	0.0	280.0	0.0	\$459,868	41%	100%	\$187,937	\$0
Ten Inch	78.54	0.0	420.0	0.0	\$689,802	36%	100%	\$248,077	\$0
Twelve Inch	113.10	0.0	530.0	0.0	\$870,464	32%	100%	\$275,483	\$0
Total:		60.0		78.2		Projected Tap Fees for One Full Year Following Initial Adjustment			\$109,441
Economy of Scale Factor:	12.0%	Capacity Cost to Recover per AWWA Capacity Multiplier Unit:			\$1,642	Prorated Tap Fees to Collect This Year		\$18,240	
(This amount is the full-year tap fee prorated to account for time of year when rates will be adjusted initially. This amount is included in Table 2 where it is called, "Meter-size Based Tap Fees.")									

### Notes:

Because growth rates and meter sizes to be installed in future years cannot be predicted with certainty, tap fee revenues are also uncertain. However, the projections above are based upon historical growth and meter sizes so they should be reasonable estimates. Generally, tap fees should only be used to pay for capital improvements so there is usually time to make adjustments in fee levels.

Economy of Scale Discount Rate - Generally the cost of infrastructure to serve a customer does not go up as quickly as their capacity (meter size) goes up. That is called economy of scale. This value is an estimate of the economy of scale the system enjoys as meter size goes up. Generally this factor should be no more than about 7%.

In the interest of simplicity, 3/4 inch meters, which are usually residential meters, may have been calculated at the 5/8 inch meter capacity for tap fee calculation purposes.

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Table 10 - Capacity Charges Based on Meter Size

This table depicts minimum charges that are commensurate with the potential of each customer, based on their connection or meter size, to place flow demands on the system.

#### In-District Customers

Meter Size	Number Meters This Size	AWWA Capacity Multiplier for Each Meter Size	Total AWWA Capacity "Shares" Attributable to Each Meter Size Group	AWWA-based Annual Capacity Cost Each Meter Size	Capacity Charge per Meter per Billing Period	Economy of Scale Discount Rate	Adjusted Capacity Costs per Meter per Billing Period	Uniform Adjustment to Minimum Charge	Out of District Surcharge Factor	New Proportional Base Minimum Charge Rate	Total Surcharged Minimum Charge per Billing Period <sup>1</sup>	Total Annual Capacity Surcharges for Each Meter Size <sup>2</sup>	
Five Eighths	3,890	1.0	3,890	\$56	\$4.68	100%	\$4.68	\$0.00	100%	\$12.42	\$17.10	\$218,567	
Three Quarters	1,299	1.5	1,949	\$84	\$7.02	100%	\$4.68	\$0.00	100%	\$12.42	\$17.10	\$72,998	
One Inch	31	2.5	78	\$140	\$11.71	100%	\$11.71	\$0.00	100%	\$12.42	\$24.13	\$4,390	
One & a Half Inch	1	5.0	5	\$281	\$23.41	100%	\$23.41	\$0.00	100%	\$12.42	\$35.83	\$304	
Two Inch	34	16.0	544	\$899	\$74.92	100%	\$74.92	\$0.00	100%	\$12.42	\$87.34	\$30,568	
Three Inch	2	43.5	87	\$2,444	\$203.70	100%	\$203.70	\$0.00	100%	\$12.42	\$216.12	\$4,889	
Four Inch	4	75.0	300	\$4,214	\$351.20	100%	\$351.20	\$0.00	100%	\$12.42	\$363.62	\$16,858	
Six Inch	0	160.0	0	\$8,991	\$749.22	100%	\$749.22	\$0.00	100%	\$12.42	\$761.64	\$0	
Eight Inch	0	280.0	0	\$15,734	\$1,311.14	100%	\$1,311.14	\$0.00	100%	\$12.42	\$1,323.56	\$0	
Ten Inch	0	420.0	0	\$23,601	\$1,966.71	100%	\$1,966.71	\$0.00	100%	\$12.42	\$1,979.13	\$0	
Twelve Inch	0	530.0	0	\$29,782	\$2,481.80	100%	\$2,481.80	\$0.00	100%	\$12.42	\$2,494.22	\$0	
<b>Total:</b>	<b>5,261</b>		<b>6,853</b>									<b>\$348,574</b>	
Economy of Scale Factor:			0.0%									<b>Prorated Capacity Surcharges</b>	<b>\$58,096</b>

The prorated minimum and capacity surcharges amount immediately above is the amount to be collected after rates are adjusted. If rates in Table 12 are meter sized-based, this amount is filtered into the calculated rate revenues of Table 12 for each rate class. Otherwise, it is included as a separate amount at the bottom of that table.

<sup>1</sup> Total Surcharged Minimum Charge per Billing Period - If minimum charge fees are to be based upon meter size, use the charges in this column if different from those in Table 1.

<sup>2</sup> Total Annual Capacity Surcharges for Each Meter Size - The sum at the bottom of this column is the dollar amount that meter size based surcharges will generate in one full year.



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 11 - Initial Rate Adjustments and Resulting Revenues

This table depicts how rates would be set and the revenues they would generate.

Out of Area Multiplier    150%                      Conservation Rate Block Multiplier    133%                      Other Multiplier    100%

5/1/16 Date when fees will first be collected at adjusted rates. Actual adjustment should occur one billing period earlier.

If there are no special costs to consider and before capacity costs are added, if appropriate, rates for a 5/8" meter would be "proportional to use" when there is no usage allowance, the minimum charge is \$12.42 Monthly, and the unit charge is \$2.02 per 1,000 Gallons.

After rate adjustments are made, general customers will be billed monthly.

Sales to be billed this year: Sales at the current (Test Year) rates (gray highlighted column) will apply until rates are adjusted. Sales at the modeled rates (yellow highlighted column) would apply if the modeled rates are adopted. The grand total "blended" sales revenues are the total revenues generated by the two different sets of rates. Those show in the right-most column.

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
0.625" Residential <10,000 Gallons	0	999	\$119,716	397	\$17.10	0.000	\$2.02	\$24,155	\$143,871
	1,000	1,999	\$87,338	230	\$17.10	0.000	\$2.02	\$17,719	\$105,057
	2,000	2,999	\$99,147	330	\$17.10	0.000	\$2.02	\$20,002	\$119,149
	3,000	3,999	\$105,689	388	\$17.10	0.000	\$2.02	\$20,519	\$126,208
	4,000	4,999	\$95,471	377	\$17.10	0.000	\$2.02	\$18,581	\$114,052
	5,000	5,999	\$82,026	345	\$17.10	0.000	\$2.69	\$17,401	\$99,427
	6,000	6,999	\$68,848	299	\$17.10	0.000	\$2.69	\$14,116	\$82,964
	7,000	7,999	\$51,778	237	\$17.10	0.000	\$2.69	\$10,554	\$62,332
	8,000	8,999	\$38,636	191	\$17.10	0.000	\$2.69	\$7,807	\$46,443
	9,000	9,999	\$27,143	147	\$17.10	0.000	\$2.69	\$5,416	\$32,559
	10,000	14,999	\$0	0	\$17.10	0.000	\$3.59	\$0	\$0
	15,000	19,999	\$0	0	\$17.10	0.000	\$3.59	\$0	\$0
	20,000	29,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	30,000	39,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	40,000	49,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	50,000	59,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	60,000	69,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
70,000	79,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
80,000	89,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
90,000	99,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
100,000	109,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
110,000	119,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
0.750" Residential <10,000 Gallons	0	999	\$38,870	136	\$17.10	0.000	\$2.02	\$7,832	\$46,701
	1,000	1,999	\$27,789	79	\$17.10	0.000	\$2.02	\$5,628	\$33,417
	2,000	2,999	\$28,935	95	\$17.10	0.000	\$2.02	\$5,839	\$34,774
	3,000	3,999	\$30,105	108	\$17.10	0.000	\$2.02	\$5,840	\$35,945
	4,000	4,999	\$28,144	110	\$17.10	0.000	\$2.02	\$5,475	\$33,619
	5,000	5,999	\$24,614	103	\$17.10	0.000	\$2.69	\$5,228	\$29,843
	6,000	6,999	\$20,506	88	\$17.10	0.000	\$2.69	\$4,210	\$24,715
	7,000	7,999	\$15,882	72	\$17.10	0.000	\$2.69	\$3,240	\$19,122
	8,000	8,999	\$11,918	58	\$17.10	0.000	\$2.69	\$2,410	\$14,328
	9,000	9,999	\$9,039	49	\$17.10	0.000	\$2.69	\$1,804	\$10,843
	10,000	14,999	\$0	0	\$17.10	0.000	\$3.59	\$0	\$0
	15,000	19,999	\$0	0	\$17.10	0.000	\$3.59	\$0	\$0
	20,000	29,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	30,000	39,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	40,000	49,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	50,000	59,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	60,000	69,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
70,000	79,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
80,000	89,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
90,000	99,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
100,000	109,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
110,000	119,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
1.000" Residential <10,000 Gallons	0	999	\$81	0	\$24.13	0.000	\$2.02	\$18	\$99
	1,000	1,999	\$91	0	\$24.13	0.000	\$2.02	\$21	\$112
	2,000	2,999	\$197	1	\$24.13	0.000	\$2.02	\$51	\$248
	3,000	3,999	\$119	0	\$24.13	0.000	\$2.02	\$29	\$148
	4,000	4,999	\$150	1	\$24.13	0.000	\$2.02	\$39	\$189
	5,000	5,999	\$55	0	\$24.13	0.000	\$2.69	\$15	\$70
	6,000	6,999	\$52	0	\$24.13	0.000	\$2.69	\$13	\$65
	7,000	7,999	\$75	0	\$24.13	0.000	\$2.69	\$20	\$95
	8,000	8,999	\$68	0	\$24.13	0.000	\$2.69	\$19	\$87
	9,000	9,999	\$46	0	\$24.13	0.000	\$2.69	\$13	\$59
	10,000	14,999	\$0	0	\$24.13	0.000	\$3.59	\$0	\$0
	15,000	19,999	\$0	0	\$24.13	0.000	\$3.59	\$0	\$0
	20,000	29,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
	30,000	39,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
	40,000	49,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
	50,000	59,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
	60,000	69,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
	70,000	79,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
	80,000	89,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
	90,000	99,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
100,000	109,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
110,000	119,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
1.500" Residential <10,000 Gallons	0	999	\$2	0	\$35.83	0.000	\$2.02	\$0	\$2
	1,000	1,999	\$16	0	\$35.83	0.000	\$2.02	\$6	\$22
	2,000	2,999	\$0	0	\$35.83	0.000	\$2.02	\$0	\$0
	3,000	3,999	\$0	0	\$35.83	0.000	\$2.02	\$0	\$0
	4,000	4,999	\$0	0	\$35.83	0.000	\$2.02	\$0	\$0
	5,000	5,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	6,000	6,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	7,000	7,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	8,000	8,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	9,000	9,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	10,000	14,999	\$0	0	\$35.83	0.000	\$3.59	\$0	\$0
	15,000	19,999	\$0	0	\$35.83	0.000	\$3.59	\$0	\$0
	20,000	29,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	30,000	39,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	40,000	49,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	50,000	59,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	60,000	69,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	70,000	79,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	80,000	89,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	90,000	99,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
100,000	109,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
110,000	119,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
2.000" Residential <10,000 Gallons	0	999	\$469	2	\$87.34	0.000	\$2.02	\$421	\$890
	1,000	1,999	\$96	0	\$87.34	0.000	\$2.02	\$55	\$151
	2,000	2,999	\$170	1	\$87.34	0.000	\$2.02	\$139	\$310
	3,000	3,999	\$66	0	\$87.34	0.000	\$2.02	\$36	\$102
	4,000	4,999	\$50	0	\$87.34	0.000	\$2.02	\$21	\$71
	5,000	5,999	\$60	0	\$87.34	0.000	\$2.69	\$37	\$97
	6,000	6,999	\$90	0	\$87.34	0.000	\$2.69	\$66	\$155
	7,000	7,999	\$146	1	\$87.34	0.000	\$2.69	\$135	\$280
	8,000	8,999	\$48	0	\$87.34	0.000	\$2.69	\$45	\$92
	9,000	9,999	\$16	0	\$87.34	0.000	\$2.69	\$15	\$31
	10,000	14,999	\$0	0	\$87.34	0.000	\$3.59	\$0	\$0
	15,000	19,999	\$0	0	\$87.34	0.000	\$3.59	\$0	\$0
	20,000	29,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	30,000	39,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	40,000	49,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	50,000	59,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	60,000	69,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	70,000	79,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	80,000	89,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	90,000	99,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
100,000	109,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
110,000	119,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
0.625" Residential >=10,000 Gallons	0	999	\$18,418	0	\$17.10	0.000	\$2.02	\$3,816	\$22,234
	1,000	1,999	\$18,418	0	\$17.10	0.000	\$2.02	\$3,816	\$22,234
	2,000	2,999	\$18,418	0	\$17.10	0.000	\$2.02	\$3,816	\$22,234
	3,000	3,999	\$20,307	0	\$17.10	0.000	\$2.02	\$3,816	\$24,123
	4,000	4,999	\$20,307	0	\$17.10	0.000	\$2.02	\$3,816	\$24,123
	5,000	5,999	\$20,307	0	\$17.10	0.000	\$2.69	\$5,087	\$25,394
	6,000	6,999	\$22,385	0	\$17.10	0.000	\$2.69	\$5,087	\$27,472
	7,000	7,999	\$22,385	0	\$17.10	0.000	\$2.69	\$5,087	\$27,472
	8,000	8,999	\$22,385	0	\$17.10	0.000	\$2.69	\$5,087	\$27,472
	9,000	9,999	\$22,385	0	\$17.10	0.000	\$2.69	\$5,087	\$27,472
	10,000	14,999	\$210,460	445	\$17.10	0.000	\$3.59	\$39,981	\$250,441
	15,000	19,999	\$107,700	204	\$17.10	0.000	\$3.59	\$20,852	\$128,552
	20,000	29,999	\$103,823	178	\$17.10	0.000	\$4.79	\$24,148	\$127,971
	30,000	39,999	\$44,333	65	\$17.10	0.000	\$4.79	\$9,880	\$54,213
	40,000	49,999	\$21,484	26	\$17.10	0.000	\$4.79	\$4,563	\$26,047
	50,000	59,999	\$13,368	13	\$17.10	0.000	\$4.79	\$2,330	\$15,698
	60,000	69,999	\$7,022	6	\$17.10	0.000	\$4.79	\$1,229	\$8,251
	70,000	79,999	\$4,010	3	\$17.10	0.000	\$4.79	\$704	\$4,714
	80,000	89,999	\$2,555	2	\$17.10	0.000	\$4.79	\$451	\$3,006
	90,000	99,999	\$1,863	1	\$17.10	0.000	\$4.79	\$332	\$2,195
100,000	109,999	\$1,314	1	\$17.10	0.000	\$4.79	\$230	\$1,544	
110,000	119,999	\$783	1	\$17.10	0.000	\$4.79	\$138	\$921	
120,000	129,999	\$574	1	\$17.10	0.000	\$4.79	\$100	\$674	
130,000	139,999	\$260	0	\$17.10	0.000	\$4.79	\$46	\$306	
140,000	149,999	\$172	0	\$17.10	0.000	\$4.79	\$30	\$202	
150,000	159,999	\$88	0	\$17.10	0.000	\$4.79	\$16	\$104	
160,000	99,999,999	\$191	0	\$17.10	0.000	\$4.79	\$33	\$224	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
0.750" Residential >=10,000 Gallons	0	999	\$6,674	0	\$17.10	0.000	\$2.02	\$1,383	\$8,057
	1,000	1,999	\$6,674	0	\$17.10	0.000	\$2.02	\$1,383	\$8,057
	2,000	2,999	\$6,674	0	\$17.10	0.000	\$2.02	\$1,383	\$8,057
	3,000	3,999	\$7,358	0	\$17.10	0.000	\$2.02	\$1,383	\$8,741
	4,000	4,999	\$7,358	0	\$17.10	0.000	\$2.02	\$1,383	\$8,741
	5,000	5,999	\$7,358	0	\$17.10	0.000	\$2.69	\$1,843	\$9,202
	6,000	6,999	\$8,111	0	\$17.10	0.000	\$2.69	\$1,843	\$9,955
	7,000	7,999	\$8,111	0	\$17.10	0.000	\$2.69	\$1,843	\$9,955
	8,000	8,999	\$8,111	0	\$17.10	0.000	\$2.69	\$1,843	\$9,955
	9,000	9,999	\$8,111	0	\$17.10	0.000	\$2.69	\$1,843	\$9,955
	10,000	14,999	\$75,307	153	\$17.10	0.000	\$3.59	\$14,417	\$89,724
	15,000	19,999	\$40,431	74	\$17.10	0.000	\$3.59	\$7,861	\$48,292
	20,000	29,999	\$40,528	65	\$17.10	0.000	\$4.79	\$9,569	\$50,097
	30,000	39,999	\$19,053	25	\$17.10	0.000	\$4.79	\$4,310	\$23,363
	40,000	49,999	\$10,420	12	\$17.10	0.000	\$4.79	\$2,217	\$12,636
	50,000	59,999	\$6,915	5	\$17.10	0.000	\$4.79	\$1,216	\$8,130
	60,000	69,999	\$4,205	4	\$17.10	0.000	\$4.79	\$734	\$4,939
	70,000	79,999	\$2,199	2	\$17.10	0.000	\$4.79	\$387	\$2,586
	80,000	89,999	\$1,455	1	\$17.10	0.000	\$4.79	\$254	\$1,710
	90,000	99,999	\$690	0	\$17.10	0.000	\$4.79	\$122	\$813
100,000	109,999	\$548	0	\$17.10	0.000	\$4.79	\$97	\$645	
110,000	119,999	\$460	0	\$17.10	0.000	\$4.79	\$82	\$542	
120,000	129,999	\$353	0	\$17.10	0.000	\$4.79	\$64	\$417	
130,000	139,999	\$349	0	\$17.10	0.000	\$4.79	\$62	\$411	
140,000	149,999	\$309	0	\$17.10	0.000	\$4.79	\$56	\$365	
150,000	159,999	\$309	0	\$17.10	0.000	\$4.79	\$56	\$365	
160,000	99,999,999	\$49,230	1	\$17.10	0.000	\$4.79	\$8,886	\$58,115	
1.000" Residential >=10,000 Gallons	0	999	\$57	0	\$24.13	0.000	\$2.02	\$12	\$69
	1,000	1,999	\$57	0	\$24.13	0.000	\$2.02	\$12	\$69
	2,000	2,999	\$57	0	\$24.13	0.000	\$2.02	\$12	\$69
	3,000	3,999	\$63	0	\$24.13	0.000	\$2.02	\$12	\$74
	4,000	4,999	\$63	0	\$24.13	0.000	\$2.02	\$12	\$74
	5,000	5,999	\$63	0	\$24.13	0.000	\$2.69	\$16	\$78
	6,000	6,999	\$69	0	\$24.13	0.000	\$2.69	\$16	\$85
	7,000	7,999	\$69	0	\$24.13	0.000	\$2.69	\$16	\$85
	8,000	8,999	\$69	0	\$24.13	0.000	\$2.69	\$16	\$85
	9,000	9,999	\$69	0	\$24.13	0.000	\$2.69	\$16	\$85
	10,000	14,999	\$536	1	\$24.13	0.000	\$3.59	\$119	\$655
	15,000	19,999	\$458	1	\$24.13	0.000	\$3.59	\$101	\$560
	20,000	29,999	\$626	1	\$24.13	0.000	\$4.79	\$161	\$786
	30,000	39,999	\$279	0	\$24.13	0.000	\$4.79	\$72	\$351
	40,000	49,999	\$278	0	\$24.13	0.000	\$4.79	\$64	\$342
	50,000	59,999	\$250	0	\$24.13	0.000	\$4.79	\$46	\$296
	60,000	69,999	\$167	0	\$24.13	0.000	\$4.79	\$31	\$198
	70,000	79,999	\$67	0	\$24.13	0.000	\$4.79	\$13	\$80
	80,000	89,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
	90,000	99,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0
100,000	109,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
110,000	119,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$24.13	0.000	\$4.79	\$0	\$0	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
1.500" Residential >=10,000 Gallons	0	999	\$20	0	\$35.83	0.000	\$2.02	\$4	\$24
	1,000	1,999	\$20	0	\$35.83	0.000	\$2.02	\$4	\$24
	2,000	2,999	\$20	0	\$35.83	0.000	\$2.02	\$4	\$24
	3,000	3,999	\$22	0	\$35.83	0.000	\$2.02	\$4	\$26
	4,000	4,999	\$22	0	\$35.83	0.000	\$2.02	\$4	\$26
	5,000	5,999	\$22	0	\$35.83	0.000	\$2.69	\$5	\$27
	6,000	6,999	\$24	0	\$35.83	0.000	\$2.69	\$5	\$29
	7,000	7,999	\$24	0	\$35.83	0.000	\$2.69	\$5	\$29
	8,000	8,999	\$24	0	\$35.83	0.000	\$2.69	\$5	\$29
	9,000	9,999	\$24	0	\$35.83	0.000	\$2.69	\$5	\$29
	10,000	14,999	\$160	0	\$35.83	0.000	\$3.59	\$36	\$196
	15,000	19,999	\$160	0	\$35.83	0.000	\$3.59	\$36	\$196
	20,000	29,999	\$319	0	\$35.83	0.000	\$4.79	\$92	\$411
	30,000	39,999	\$279	0	\$35.83	0.000	\$4.79	\$76	\$355
	40,000	49,999	\$154	0	\$35.83	0.000	\$4.79	\$39	\$193
	50,000	59,999	\$100	0	\$35.83	0.000	\$4.79	\$23	\$123
	60,000	69,999	\$29	0	\$35.83	0.000	\$4.79	\$8	\$37
	70,000	79,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	80,000	89,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	90,000	99,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
100,000	109,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
110,000	119,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
2.000" Residential >=10,000 Gallons	0	999	\$72	0	\$87.34	0.000	\$2.02	\$15	\$86
	1,000	1,999	\$72	0	\$87.34	0.000	\$2.02	\$15	\$86
	2,000	2,999	\$72	0	\$87.34	0.000	\$2.02	\$15	\$86
	3,000	3,999	\$79	0	\$87.34	0.000	\$2.02	\$15	\$94
	4,000	4,999	\$79	0	\$87.34	0.000	\$2.02	\$15	\$94
	5,000	5,999	\$79	0	\$87.34	0.000	\$2.69	\$20	\$99
	6,000	6,999	\$87	0	\$87.34	0.000	\$2.69	\$20	\$107
	7,000	7,999	\$87	0	\$87.34	0.000	\$2.69	\$20	\$107
	8,000	8,999	\$87	0	\$87.34	0.000	\$2.69	\$20	\$107
	9,000	9,999	\$87	0	\$87.34	0.000	\$2.69	\$20	\$107
	10,000	14,999	\$735	1	\$87.34	0.000	\$3.59	\$289	\$1,024
	15,000	19,999	\$547	1	\$87.34	0.000	\$3.59	\$237	\$784
	20,000	29,999	\$601	1	\$87.34	0.000	\$4.79	\$281	\$882
	30,000	39,999	\$263	0	\$87.34	0.000	\$4.79	\$87	\$350
	40,000	49,999	\$250	0	\$87.34	0.000	\$4.79	\$69	\$319
	50,000	59,999	\$255	0	\$87.34	0.000	\$4.79	\$68	\$323
	60,000	69,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209
	70,000	79,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209
	80,000	89,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209
	90,000	99,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209
100,000	109,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209	
110,000	119,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209	
120,000	129,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209	
130,000	139,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209	
140,000	149,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209	
150,000	159,999	\$177	0	\$87.34	0.000	\$4.79	\$32	\$209	
160,000	99,999,999	\$3,658	0	\$87.34	0.000	\$4.79	\$705	\$4,363	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
0.625" Commercial	0	999	\$97	0	\$17.10	0.000	\$2.02	\$19	\$116
	1,000	1,999	\$113	0	\$17.10	0.000	\$2.02	\$21	\$135
	2,000	2,999	\$216	1	\$17.10	0.000	\$2.02	\$36	\$252
	3,000	3,999	\$192	1	\$17.10	0.000	\$2.02	\$31	\$223
	4,000	4,999	\$88	0	\$17.10	0.000	\$2.02	\$15	\$104
	5,000	5,999	\$102	0	\$17.10	0.000	\$2.69	\$20	\$122
	6,000	6,999	\$103	0	\$17.10	0.000	\$2.69	\$19	\$122
	7,000	7,999	\$222	1	\$17.10	0.000	\$2.69	\$36	\$259
	8,000	8,999	\$24	0	\$17.10	0.000	\$2.69	\$5	\$29
	9,000	9,999	\$42	0	\$17.10	0.000	\$2.69	\$8	\$50
	10,000	14,999	\$157	0	\$17.10	0.000	\$3.59	\$34	\$191
	15,000	19,999	\$140	0	\$17.10	0.000	\$3.59	\$30	\$170
	20,000	29,999	\$265	1	\$17.10	0.000	\$4.79	\$60	\$326
	30,000	39,999	\$90	0	\$17.10	0.000	\$4.79	\$19	\$109
	40,000	49,999	\$34	0	\$17.10	0.000	\$4.79	\$8	\$42
	50,000	59,999	\$44	0	\$17.10	0.000	\$4.79	\$8	\$52
	60,000	69,999	\$52	0	\$17.10	0.000	\$4.79	\$9	\$60
	70,000	79,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	80,000	89,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	90,000	99,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
	100,000	109,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0
110,000	119,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$17.10	0.000	\$4.79	\$0	\$0	
0.750" Commercial	0	999	\$6,805	27	\$17.10	0.000	\$2.02	\$1,076	\$7,882
	1,000	1,999	\$1,898	6	\$17.10	0.000	\$2.02	\$320	\$2,218
	2,000	2,999	\$1,243	3	\$17.10	0.000	\$2.02	\$215	\$1,458
	3,000	3,999	\$1,032	3	\$17.10	0.000	\$2.02	\$174	\$1,205
	4,000	4,999	\$1,118	3	\$17.10	0.000	\$2.02	\$185	\$1,302
	5,000	5,999	\$905	3	\$17.10	0.000	\$2.69	\$171	\$1,076
	6,000	6,999	\$718	2	\$17.10	0.000	\$2.69	\$134	\$852
	7,000	7,999	\$571	1	\$17.10	0.000	\$2.69	\$109	\$679
	8,000	8,999	\$703	2	\$17.10	0.000	\$2.69	\$126	\$829
	9,000	9,999	\$686	2	\$17.10	0.000	\$2.69	\$119	\$806
	10,000	14,999	\$1,568	3	\$17.10	0.000	\$3.59	\$302	\$1,870
	15,000	19,999	\$888	1	\$17.10	0.000	\$3.59	\$179	\$1,067
	20,000	29,999	\$1,096	1	\$17.10	0.000	\$4.79	\$283	\$1,379
	30,000	39,999	\$902	1	\$17.10	0.000	\$4.79	\$218	\$1,120
	40,000	49,999	\$680	0	\$17.10	0.000	\$4.79	\$160	\$840
	50,000	59,999	\$895	0	\$17.10	0.000	\$4.79	\$161	\$1,056
	60,000	69,999	\$818	0	\$17.10	0.000	\$4.79	\$147	\$965
	70,000	79,999	\$795	0	\$17.10	0.000	\$4.79	\$144	\$939
	80,000	89,999	\$795	0	\$17.10	0.000	\$4.79	\$144	\$939
	90,000	99,999	\$781	0	\$17.10	0.000	\$4.79	\$140	\$922
	100,000	109,999	\$751	0	\$17.10	0.000	\$4.79	\$136	\$886
110,000	119,999	\$751	0	\$17.10	0.000	\$4.79	\$135	\$886	
120,000	129,999	\$694	0	\$17.10	0.000	\$4.79	\$125	\$818	
130,000	139,999	\$663	0	\$17.10	0.000	\$4.79	\$120	\$782	
140,000	149,999	\$663	0	\$17.10	0.000	\$4.79	\$120	\$782	
150,000	159,999	\$663	0	\$17.10	0.000	\$4.79	\$120	\$782	
160,000	99,999,999	\$184,019	1	\$17.10	0.000	\$4.79	\$33,220	\$217,239	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
1.000" Commercial	0	999	\$1,762	6	\$24.13	0.000	\$2.02	\$375	\$2,138
	1,000	1,999	\$690	2	\$24.13	0.000	\$2.02	\$145	\$835
	2,000	2,999	\$702	2	\$24.13	0.000	\$2.02	\$148	\$850
	3,000	3,999	\$695	2	\$24.13	0.000	\$2.02	\$141	\$836
	4,000	4,999	\$747	2	\$24.13	0.000	\$2.02	\$153	\$899
	5,000	5,999	\$363	1	\$24.13	0.000	\$2.69	\$87	\$450
	6,000	6,999	\$465	1	\$24.13	0.000	\$2.69	\$103	\$568
	7,000	7,999	\$321	0	\$24.13	0.000	\$2.69	\$72	\$393
	8,000	8,999	\$295	0	\$24.13	0.000	\$2.69	\$66	\$361
	9,000	9,999	\$289	0	\$24.13	0.000	\$2.69	\$65	\$354
	10,000	14,999	\$1,782	1	\$24.13	0.000	\$3.59	\$397	\$2,178
	15,000	19,999	\$1,814	3	\$24.13	0.000	\$3.59	\$400	\$2,214
	20,000	29,999	\$1,770	2	\$24.13	0.000	\$4.79	\$472	\$2,242
	30,000	39,999	\$1,166	1	\$24.13	0.000	\$4.79	\$291	\$1,458
	40,000	49,999	\$878	1	\$24.13	0.000	\$4.79	\$203	\$1,081
	50,000	59,999	\$727	0	\$24.13	0.000	\$4.79	\$133	\$861
	60,000	69,999	\$631	0	\$24.13	0.000	\$4.79	\$115	\$745
	70,000	79,999	\$589	0	\$24.13	0.000	\$4.79	\$109	\$698
	80,000	89,999	\$398	0	\$24.13	0.000	\$4.79	\$72	\$469
	90,000	99,999	\$400	0	\$24.13	0.000	\$4.79	\$73	\$473
100,000	109,999	\$376	0	\$24.13	0.000	\$4.79	\$69	\$446	
110,000	119,999	\$265	0	\$24.13	0.000	\$4.79	\$48	\$313	
120,000	129,999	\$265	0	\$24.13	0.000	\$4.79	\$48	\$313	
130,000	139,999	\$265	0	\$24.13	0.000	\$4.79	\$48	\$313	
140,000	149,999	\$265	0	\$24.13	0.000	\$4.79	\$48	\$313	
150,000	159,999	\$265	0	\$24.13	0.000	\$4.79	\$48	\$313	
160,000	99,999,999	\$1,547	1	\$24.13	0.000	\$4.79	\$283	\$1,831	
1.500" Commercial	0	999	\$0	0	\$35.83	0.000	\$2.02	\$0	\$0
	1,000	1,999	\$0	0	\$35.83	0.000	\$2.02	\$0	\$0
	2,000	2,999	\$0	0	\$35.83	0.000	\$2.02	\$0	\$0
	3,000	3,999	\$0	0	\$35.83	0.000	\$2.02	\$0	\$0
	4,000	4,999	\$0	0	\$35.83	0.000	\$2.02	\$0	\$0
	5,000	5,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	6,000	6,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	7,000	7,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	8,000	8,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	9,000	9,999	\$0	0	\$35.83	0.000	\$2.69	\$0	\$0
	10,000	14,999	\$0	0	\$35.83	0.000	\$3.59	\$0	\$0
	15,000	19,999	\$0	0	\$35.83	0.000	\$3.59	\$0	\$0
	20,000	29,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	30,000	39,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	40,000	49,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	50,000	59,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	60,000	69,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	70,000	79,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	80,000	89,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
	90,000	99,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0
100,000	109,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
110,000	119,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$35.83	0.000	\$4.79	\$0	\$0	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
2.000" Commercial	0	999	\$2,130	8	\$87.34	0.000	\$2.02	\$1,445	\$3,575
	1,000	1,999	\$551	1	\$87.34	0.000	\$2.02	\$242	\$793
	2,000	2,999	\$411	0	\$87.34	0.000	\$2.02	\$138	\$549
	3,000	3,999	\$613	1	\$87.34	0.000	\$2.02	\$281	\$894
	4,000	4,999	\$495	1	\$87.34	0.000	\$2.02	\$203	\$699
	5,000	5,999	\$422	1	\$87.34	0.000	\$2.69	\$175	\$597
	6,000	6,999	\$385	0	\$87.34	0.000	\$2.69	\$129	\$514
	7,000	7,999	\$411	1	\$87.34	0.000	\$2.69	\$155	\$567
	8,000	8,999	\$345	0	\$87.34	0.000	\$2.69	\$109	\$455
	9,000	9,999	\$323	0	\$87.34	0.000	\$2.69	\$94	\$417
	10,000	14,999	\$2,109	1	\$87.34	0.000	\$3.59	\$639	\$2,748
	15,000	19,999	\$1,933	2	\$87.34	0.000	\$3.59	\$641	\$2,574
	20,000	29,999	\$3,173	2	\$87.34	0.000	\$4.79	\$1,139	\$4,312
	30,000	39,999	\$2,565	1	\$87.34	0.000	\$4.79	\$825	\$3,391
	40,000	49,999	\$2,255	1	\$87.34	0.000	\$4.79	\$692	\$2,947
	50,000	59,999	\$2,124	0	\$87.34	0.000	\$4.79	\$439	\$2,563
	60,000	69,999	\$1,882	0	\$87.34	0.000	\$4.79	\$385	\$2,267
	70,000	79,999	\$1,749	0	\$87.34	0.000	\$4.79	\$327	\$2,076
	80,000	89,999	\$1,724	1	\$87.34	0.000	\$4.79	\$378	\$2,102
	90,000	99,999	\$1,448	0	\$87.34	0.000	\$4.79	\$306	\$1,755
100,000	109,999	\$1,288	0	\$87.34	0.000	\$4.79	\$288	\$1,577	
110,000	119,999	\$1,054	0	\$87.34	0.000	\$4.79	\$246	\$1,300	
120,000	129,999	\$820	0	\$87.34	0.000	\$4.79	\$182	\$1,001	
130,000	139,999	\$694	0	\$87.34	0.000	\$4.79	\$148	\$842	
140,000	149,999	\$598	0	\$87.34	0.000	\$4.79	\$142	\$740	
150,000	159,999	\$486	0	\$87.34	0.000	\$4.79	\$88	\$574	
160,000	99,999,999	\$5,431	1	\$87.34	0.000	\$4.79	\$1,104	\$6,535	
3.000" Commercial	0	999	\$181	1	\$216.12	0.000	\$2.02	\$295	\$475
	1,000	1,999	\$134	1	\$216.12	0.000	\$2.02	\$220	\$354
	2,000	2,999	\$52	0	\$216.12	0.000	\$2.02	\$75	\$127
	3,000	3,999	\$14	0	\$216.12	0.000	\$2.02	\$3	\$17
	4,000	4,999	\$14	0	\$216.12	0.000	\$2.02	\$3	\$17
	5,000	5,999	\$14	0	\$216.12	0.000	\$2.69	\$4	\$18
	6,000	6,999	\$16	0	\$216.12	0.000	\$2.69	\$4	\$19
	7,000	7,999	\$16	0	\$216.12	0.000	\$2.69	\$4	\$19
	8,000	8,999	\$16	0	\$216.12	0.000	\$2.69	\$4	\$19
	9,000	9,999	\$16	0	\$216.12	0.000	\$2.69	\$4	\$19
	10,000	14,999	\$107	0	\$216.12	0.000	\$3.59	\$24	\$131
	15,000	19,999	\$107	0	\$216.12	0.000	\$3.59	\$24	\$131
	20,000	29,999	\$225	0	\$216.12	0.000	\$4.79	\$64	\$289
	30,000	39,999	\$248	0	\$216.12	0.000	\$4.79	\$64	\$312
	40,000	49,999	\$272	0	\$216.12	0.000	\$4.79	\$64	\$336
	50,000	59,999	\$353	0	\$216.12	0.000	\$4.79	\$64	\$417
	60,000	69,999	\$353	0	\$216.12	0.000	\$4.79	\$64	\$417
	70,000	79,999	\$353	0	\$216.12	0.000	\$4.79	\$64	\$417
	80,000	89,999	\$353	0	\$216.12	0.000	\$4.79	\$64	\$417
	90,000	99,999	\$361	0	\$216.12	0.000	\$4.79	\$98	\$459
100,000	109,999	\$309	0	\$216.12	0.000	\$4.79	\$56	\$365	
110,000	119,999	\$309	0	\$216.12	0.000	\$4.79	\$56	\$365	
120,000	129,999	\$309	0	\$216.12	0.000	\$4.79	\$56	\$365	
130,000	139,999	\$309	0	\$216.12	0.000	\$4.79	\$56	\$365	
140,000	149,999	\$309	0	\$216.12	0.000	\$4.79	\$56	\$365	
150,000	159,999	\$309	0	\$216.12	0.000	\$4.79	\$56	\$365	
160,000	99,999,999	\$15,928	1	\$216.12	0.000	\$4.79	\$3,105	\$19,033	



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
4.000" Commercial	0	999	\$294	1	\$363.62	0.000	\$2.02	\$741	\$1,035
	1,000	1,999	\$59	0	\$363.62	0.000	\$2.02	\$12	\$71
	2,000	2,999	\$77	0	\$363.62	0.000	\$2.02	\$73	\$149
	3,000	3,999	\$63	0	\$363.62	0.000	\$2.02	\$12	\$74
	4,000	4,999	\$63	0	\$363.62	0.000	\$2.02	\$12	\$74
	5,000	5,999	\$63	0	\$363.62	0.000	\$2.69	\$16	\$78
	6,000	6,999	\$69	0	\$363.62	0.000	\$2.69	\$16	\$85
	7,000	7,999	\$88	0	\$363.62	0.000	\$2.69	\$76	\$164
	8,000	8,999	\$67	0	\$363.62	0.000	\$2.69	\$15	\$82
	9,000	9,999	\$67	0	\$363.62	0.000	\$2.69	\$15	\$82
	10,000	14,999	\$476	0	\$363.62	0.000	\$3.59	\$220	\$695
	15,000	19,999	\$460	0	\$363.62	0.000	\$3.59	\$216	\$676
	20,000	29,999	\$898	1	\$363.62	0.000	\$4.79	\$586	\$1,484
	30,000	39,999	\$758	0	\$363.62	0.000	\$4.79	\$418	\$1,176
	40,000	49,999	\$686	0	\$363.62	0.000	\$4.79	\$329	\$1,015
	50,000	59,999	\$698	1	\$363.62	0.000	\$4.79	\$527	\$1,225
	60,000	69,999	\$402	0	\$363.62	0.000	\$4.79	\$359	\$760
	70,000	79,999	\$196	0	\$363.62	0.000	\$4.79	\$207	\$403
	80,000	89,999	\$88	0	\$363.62	0.000	\$4.79	\$16	\$104
	90,000	99,999	\$88	0	\$363.62	0.000	\$4.79	\$16	\$104
100,000	109,999	\$88	0	\$363.62	0.000	\$4.79	\$16	\$104	
110,000	119,999	\$88	0	\$363.62	0.000	\$4.79	\$16	\$104	
120,000	129,999	\$81	0	\$363.62	0.000	\$4.79	\$72	\$153	
130,000	139,999	\$23	0	\$363.62	0.000	\$4.79	\$61	\$85	
140,000	149,999	\$0	0	\$363.62	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$363.62	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$363.62	0.000	\$4.79	\$0	\$0	
Hydrant 2" Meter Bulk Users	0	999	\$0	0	\$87.34	0.000	\$2.02	\$0	\$0
	1,000	1,999	\$0	0	\$87.34	0.000	\$2.02	\$0	\$0
	2,000	2,999	\$0	0	\$87.34	0.000	\$2.02	\$0	\$0
	3,000	3,999	\$0	0	\$87.34	0.000	\$2.02	\$0	\$0
	4,000	4,999	\$0	0	\$87.34	0.000	\$2.02	\$0	\$0
	5,000	5,999	\$0	0	\$87.34	0.000	\$2.69	\$0	\$0
	6,000	6,999	\$0	0	\$87.34	0.000	\$2.69	\$0	\$0
	7,000	7,999	\$0	0	\$87.34	0.000	\$2.69	\$0	\$0
	8,000	8,999	\$0	0	\$87.34	0.000	\$2.69	\$0	\$0
	9,000	9,999	\$0	0	\$87.34	0.000	\$2.69	\$0	\$0
	10,000	14,999	\$0	0	\$87.34	0.000	\$3.59	\$0	\$0
	15,000	19,999	\$0	0	\$87.34	0.000	\$3.59	\$0	\$0
	20,000	29,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	30,000	39,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	40,000	49,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	50,000	59,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	60,000	69,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	70,000	79,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	80,000	89,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
	90,000	99,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0
100,000	109,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
110,000	119,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
120,000	129,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
130,000	139,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
140,000	149,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
150,000	159,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
160,000	99,999,999	\$0	0	\$87.34	0.000	\$4.79	\$0	\$0	
Total Rate Rev at Current Rates			\$2,379,519	Total Rate Rev at Modeled Rates			\$487,122	Total Blended Rate Revenues for the Year <sup>2</sup> \$2,866,641	

Note 1, New Minimum Charge Base Rates: If meter or connection size-based minimum charges are to be used, and the user classes modeled above include meter or connection sizes, the amounts shown in this column include meter or connection size surcharges as calculated in Table 10. Otherwise, use the rates in the "Total Minimum Charge per Billing Period" column of Table 10 when setting minimum charges for each customer when their minimums will be based upon meter or connection size.

Note 2, Blended Rate Revenues: During the year when rates will be adjusted, rate revenues generated will be "blended" revenues - part collected at the current rates and part collected at the adjusted rates. The table above calculates both kinds of revenue and totals them in the right-most column. Therefore, the anticipated timing of rate adjustment shown at the top of this table will cause rates to be charged as follows:

10.0 months at the old user charge rates      and      2.0 months at the new user charge rates.

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 12 - Test Year Usage

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 7/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
0.625" Residential <10,000 Gallons	0	999	1,000	3.336	9,428	31,450,568	4,759	915,568	397	7.5%	5.3%
	1,000	1,999	1,000	6.263	4,669	29,242,455	2,762	4,231,455	230	4.4%	4.9%
	2,000	2,999	1,000	13.572	1,907	25,881,156	3,960	9,988,156	330	6.3%	4.4%
	3,000	3,999	1,000	0.000	0	21,516,454	4,657	16,331,454	388	7.4%	3.6%
	4,000	4,999	1,000	0.000	0	16,859,586	4,527	20,338,586	377	7.2%	2.9%
	5,000	5,999	1,000	0.000	0	12,509,368	4,135	22,690,368	345	6.5%	2.1%
	6,000	6,999	1,000	0.000	0	8,632,499	3,593	23,289,499	299	5.7%	1.5%
	7,000	7,999	1,000	0.000	0	5,427,509	2,848	21,310,509	237	4.5%	0.9%
	8,000	8,999	1,000	0.000	0	2,875,840	2,286	19,396,840	191	3.6%	0.5%
	9,000	9,999	1,000	0.000	0	844,824	1,767	16,747,824	147	2.8%	0.1%
	10,000	14,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	30,000	39,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					16,004	155,240,259	35,294	155,240,259	2,941	55.9%	26.3%
0.750" Residential <10,000 Gallons	0	999	1,000	1.007	9,428	9,494,355	1,626	347,355	136	2.6%	1.6%
	1,000	1,999	1,000	1.102	7,892	8,699,075	947	1,446,075	79	1.5%	1.5%
	2,000	2,999	1,000	1.085	7,047	7,648,102	1,145	2,883,102	95	1.8%	1.3%
	3,000	3,999	1,000	1.062	6,034	6,406,710	1,292	4,519,710	108	2.0%	1.1%
	4,000	4,999	1,000	1.041	4,901	5,102,808	1,318	5,929,808	110	2.1%	0.9%
	5,000	5,999	1,000	1.019	3,755	3,824,923	1,232	6,771,923	103	2.0%	0.6%
	6,000	6,999	1,000	0.986	2,705	2,666,925	1,057	6,852,925	88	1.7%	0.5%
	7,000	7,999	1,000	0.943	1,817	1,712,617	867	6,492,617	72	1.4%	0.3%
	8,000	8,999	1,000	0.838	1,094	917,272	701	5,937,272	58	1.1%	0.2%
	9,000	9,999	1,000	0.581	490	284,768	588	5,576,768	49	0.9%	0.0%
	10,000	14,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	30,000	39,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					45,163	46,757,555	10,773	46,757,555	898	17.1%	7.9%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 12 - Test Year Usage

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 7/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where Volume "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
1.000" Residential <10,000 Gallons	0	999	1,000	0.997	41	40,890	1	890	0	0.0%	0.0%
	1,000	1,999	1,000	0.952	40	38,090	2	2,090	0	0.0%	0.0%
	2,000	2,999	1,000	0.860	38	32,663	10	24,663	1	0.0%	0.0%
	3,000	3,999	1,000	0.934	28	26,164	5	18,164	0	0.0%	0.0%
	4,000	4,999	1,000	0.839	23	19,290	8	36,290	1	0.0%	0.0%
	5,000	5,999	1,000	0.972	15	14,573	2	11,573	0	0.0%	0.0%
	6,000	6,999	1,000	0.906	13	11,784	2	12,784	0	0.0%	0.0%
	7,000	7,999	1,000	0.814	11	8,952	4	29,952	0	0.0%	0.0%
	8,000	8,999	1,000	0.782	7	5,473	4	34,473	0	0.0%	0.0%
	9,000	9,999	1,000	0.452	3	1,355	3	28,355	0	0.0%	0.0%
	10,000	14,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	30,000	39,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					219	199,234	41	199,234	3	0.1%	0.0%
1.500" Residential <10,000 Gallons	0	999	1,000	1.000	1	1,000	0	0	0	0.0%	0.0%
	1,000	1,999	1,000	0.720	1	720	1	1,720	0	0.0%	0.0%
	2,000	2,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	3,000	3,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	4,000	4,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	5,000	5,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	6,000	6,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	7,000	7,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	8,000	8,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	10,000	14,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	30,000	39,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					2	1,720	1	1,720	0	0.0%	0.0%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 12 - Test Year Usage

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 7/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where Volume "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
2.000" Residential <10,000 Gallons	0	999	1,000	0.645	62	39,996	28	5,996	2	0.0%	0.0%
	1,000	1,999	1,000	0.959	34	32,594	3	4,594	0	0.0%	0.0%
	2,000	2,999	1,000	0.807	31	25,019	9	21,019	1	0.0%	0.0%
	3,000	3,999	1,000	0.948	22	20,862	2	6,862	0	0.0%	0.0%
	4,000	4,999	1,000	0.985	20	19,704	1	4,704	0	0.0%	0.0%
	5,000	5,999	1,000	0.927	19	17,605	2	10,605	0	0.0%	0.0%
	6,000	6,999	1,000	0.961	17	16,330	4	27,330	0	0.0%	0.0%
	7,000	7,999	1,000	0.624	13	8,116	9	67,116	1	0.0%	0.0%
	8,000	8,999	1,000	0.559	4	2,235	3	25,235	0	0.0%	0.0%
	9,000	9,999	1,000	0.753	1	753	1	9,753	0	0.0%	0.0%
	10,000	14,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	30,000	39,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					223	183,214	62	183,214	5	0.1%	0.0%
0.625" Residential >=10,000 Gallons	0	999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	1,000	1,999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	2,000	2,999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	3,000	3,999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	4,000	4,999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	5,000	5,999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	6,000	6,999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	7,000	7,999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	8,000	8,999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	9,000	9,999	1,000	1.000	11,334	11,334,000	0	0	0	0.0%	1.9%
	10,000	14,999	1,000	3.650	11,334	41,371,135	5,343	64,846,135	445	8.5%	7.0%
	15,000	19,999	1,000	3.873	5,991	23,203,840	2,445	42,148,840	204	3.9%	3.9%
	20,000	29,999	1,000	6.385	3,546	22,640,922	2,137	51,290,922	178	3.4%	3.8%
	30,000	39,999	1,000	6.829	1,409	9,621,670	774	26,491,670	65	1.2%	1.6%
	40,000	49,999	1,000	7.277	635	4,620,997	308	13,670,997	26	0.5%	0.8%
	50,000	59,999	1,000	7.219	327	2,360,526	157	8,510,526	13	0.2%	0.4%
	60,000	69,999	1,000	7.531	170	1,280,209	73	4,690,209	6	0.1%	0.2%
	70,000	79,999	1,000	7.741	97	750,882	37	2,740,882	3	0.1%	0.1%
	80,000	89,999	1,000	8.297	60	497,824	19	1,607,824	2	0.0%	0.1%
	90,000	99,999	1,000	9.460	41	387,877	8	777,877	1	0.0%	0.1%
	100,000	109,999	1,000	7.217	33	238,151	14	1,448,151	1	0.0%	0.0%
110,000	119,999	1,000	7.987	19	151,762	6	681,762	1	0.0%	0.0%	
120,000	129,999	1,000	7.719	13	100,347	7	880,347	1	0.0%	0.0%	
130,000	139,999	1,000	8.386	6	50,318	2	270,318	0	0.0%	0.0%	
140,000	149,999	1,000	7.597	4	30,387	2	290,387	0	0.0%	0.0%	
150,000	159,999	1,000	10.000	2	20,000	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	17.328	2	34,656	2	354,656	0	0.0%	0.0%	
Monthly and Annual Subtotals:					137,029	220,701,503	11,334	220,701,503	945	18.0%	37.4%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 12 - Test Year Usage

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 7/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where Volume "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
0.750" Residential >=10,000 Gallons	0	999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	1,000	1,999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	2,000	2,999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	3,000	3,999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	4,000	4,999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	5,000	5,999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	6,000	6,999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	7,000	7,999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	8,000	8,999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	9,000	9,999	1,000	1.000	4,107	4,107,000	0	0	0	0.0%	0.7%
	10,000	14,999	1,000	3.744	4,107	15,378,526	1,830	22,293,526	153	2.9%	2.6%
	15,000	19,999	1,000	3.902	2,277	8,885,489	893	15,360,489	74	1.4%	1.5%
	20,000	29,999	1,000	6.666	1,384	9,225,177	776	18,665,177	65	1.2%	1.6%
	30,000	39,999	1,000	7.126	608	4,332,407	300	10,252,407	25	0.5%	0.7%
	40,000	49,999	1,000	7.319	308	2,254,261	147	6,524,261	12	0.2%	0.4%
	50,000	59,999	1,000	8.090	161	1,302,542	62	3,412,542	5	0.1%	0.2%
	60,000	69,999	1,000	7.602	99	752,563	47	3,052,563	4	0.1%	0.1%
	70,000	79,999	1,000	8.024	52	417,247	19	1,417,247	2	0.0%	0.1%
	80,000	89,999	1,000	7.927	33	261,603	16	1,371,603	1	0.0%	0.0%
	90,000	99,999	1,000	8.194	17	139,290	4	369,290	0	0.0%	0.0%
100,000	109,999	1,000	8.566	13	111,357	3	311,357	0	0.0%	0.0%	
110,000	119,999	1,000	9.568	10	95,684	2	235,684	0	0.0%	0.0%	
120,000	129,999	1,000	10.000	8	80,000	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	9.346	8	74,768	1	134,768	0	0.0%	0.0%	
140,000	149,999	1,000	10.000	7	70,000	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	10.000	7	70,000	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	1,588.092	7	11,116,646	7	12,236,646	1	0.0%	1.9%	
Monthly and Annual Subtotals:					50,176	95,637,560	4,107	95,637,560	342	6.5%	16.2%
1.000" Residential >=10,000 Gallons	0	999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	1,000	1,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	2,000	2,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	3,000	3,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	4,000	4,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	5,000	5,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	6,000	6,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	7,000	7,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	8,000	8,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	10,000	14,999	1,000	4.537	35	158,802	6	73,802	1	0.0%	0.0%
	15,000	19,999	1,000	4.227	29	122,592	7	117,592	1	0.0%	0.0%
	20,000	29,999	1,000	6.169	22	135,707	13	305,707	1	0.0%	0.0%
	30,000	39,999	1,000	10.000	9	90,000	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	7.258	9	65,320	3	125,320	0	0.0%	0.0%
	50,000	59,999	1,000	8.010	6	48,060	2	108,060	0	0.0%	0.0%
	60,000	69,999	1,000	7.325	4	29,301	2	129,301	0	0.0%	0.0%
	70,000	79,999	1,000	3.294	2	6,587	2	146,587	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					466	1,006,369	35	1,006,369	3	0.1%	0.2%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 12 - Test Year Usage

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 7/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
1.500" Residential >=10,000 Gallons	0	999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	1,000	1,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	2,000	2,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	3,000	3,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	4,000	4,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	5,000	5,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	6,000	6,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	7,000	7,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	8,000	8,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	10,000	14,999	1,000	5.000	12	60,000	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	5.000	12	60,000	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	7.767	12	93,200	3	63,200	0	0.0%	0.0%
	30,000	39,999	1,000	7.306	9	65,751	4	135,751	0	0.0%	0.0%
	40,000	49,999	1,000	6.856	5	34,280	2	84,280	0	0.0%	0.0%
	50,000	59,999	1,000	4.733	3	14,200	2	104,200	0	0.0%	0.0%
	60,000	69,999	1,000	2.400	1	2,400	1	62,400	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					174	449,831	12	449,831	1	0.0%	0.1%
2.000" Residential >=10,000 Gallons	0	999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	1,000	1,999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	2,000	2,999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	3,000	3,999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	4,000	4,999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	5,000	5,999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	6,000	6,999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	7,000	7,999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	8,000	8,999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	1.000	44	44,000	0	0	0	0.0%	0.0%
	10,000	14,999	1,000	4.344	44	191,133	12	151,133	1	0.0%	0.0%
	15,000	19,999	1,000	3.999	32	127,959	11	187,959	1	0.0%	0.0%
	20,000	29,999	1,000	6.355	21	133,447	12	283,447	1	0.0%	0.0%
	30,000	39,999	1,000	8.080	9	72,722	2	62,722	0	0.0%	0.0%
	40,000	49,999	1,000	9.709	7	67,966	1	47,966	0	0.0%	0.0%
	50,000	59,999	1,000	8.191	6	49,148	2	109,148	0	0.0%	0.0%
	60,000	69,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%
100,000	109,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	202.800	4	811,200	4	1,451,200	0	0.0%	0.1%	
Monthly and Annual Subtotals:					603	2,293,575	44	2,293,575	4	0.1%	0.4%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 12 - Test Year Usage

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 7/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
0.625" Commercial	0	999	1,000	0.999	48	47,947	1	947	0	0.0%	0.0%
	1,000	1,999	1,000	0.992	47	46,614	2	3,614	0	0.0%	0.0%
	2,000	2,999	1,000	0.901	45	40,541	8	19,541	1	0.0%	0.0%
	3,000	3,999	1,000	0.917	37	33,940	7	24,940	1	0.0%	0.0%
	4,000	4,999	1,000	0.947	30	28,414	2	8,414	0	0.0%	0.0%
	5,000	5,999	1,000	0.912	28	25,546	3	15,546	0	0.0%	0.0%
	6,000	6,999	1,000	0.944	25	23,592	3	19,592	0	0.0%	0.0%
	7,000	7,999	1,000	0.800	22	17,610	10	75,610	1	0.0%	0.0%
	8,000	8,999	1,000	1.000	12	12,000	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	0.961	12	11,526	1	9,526	0	0.0%	0.0%
	10,000	14,999	1,000	4.723	11	51,952	1	11,952	0	0.0%	0.0%
	15,000	19,999	1,000	4.531	10	45,308	1	15,308	0	0.0%	0.0%
	20,000	29,999	1,000	6.036	9	54,322	6	144,322	1	0.0%	0.0%
	30,000	39,999	1,000	5.648	3	16,943	2	66,943	0	0.0%	0.0%
	40,000	49,999	1,000	10.000	1	10,000	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	10.000	1	10,000	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	7.447	1	7,447	1	67,447	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					342	483,702	48	483,702	4	0.1%	0.1%
0.750" Commercial	0	999	1,000	0.653	709	462,723	323	76,723	27	0.5%	0.1%
	1,000	1,999	1,000	0.905	386	349,184	71	105,184	6	0.1%	0.1%
	2,000	2,999	1,000	0.927	315	292,137	41	100,137	3	0.1%	0.0%
	3,000	3,999	1,000	0.956	274	261,916	30	107,916	3	0.0%	0.0%
	4,000	4,999	1,000	0.928	244	226,391	38	172,391	3	0.1%	0.0%
	5,000	5,999	1,000	0.927	206	191,061	30	165,061	3	0.0%	0.0%
	6,000	6,999	1,000	0.934	176	164,303	21	135,303	2	0.0%	0.0%
	7,000	7,999	1,000	0.946	155	146,605	15	111,605	1	0.0%	0.0%
	8,000	8,999	1,000	0.915	140	128,089	24	204,089	2	0.0%	0.0%
	9,000	9,999	1,000	0.869	116	100,765	26	244,765	2	0.0%	0.0%
	10,000	14,999	1,000	3.644	90	327,920	37	432,920	3	0.1%	0.1%
	15,000	19,999	1,000	4.296	53	227,695	15	262,695	1	0.0%	0.0%
	20,000	29,999	1,000	8.315	38	315,971	11	265,971	1	0.0%	0.1%
	30,000	39,999	1,000	9.210	27	248,673	7	258,673	1	0.0%	0.0%
	40,000	49,999	1,000	10.000	20	200,000	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	9.915	20	198,307	1	58,307	0	0.0%	0.0%
	60,000	69,999	1,000	9.527	19	181,014	1	61,014	0	0.0%	0.0%
	70,000	79,999	1,000	10.000	18	180,000	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	10.000	18	180,000	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	9.588	18	172,590	1	92,590	0	0.0%	0.0%
100,000	109,999	1,000	10.000	17	170,000	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	9.750	17	165,757	1	115,757	0	0.0%	0.0%	
120,000	129,999	1,000	9.550	16	152,797	1	122,797	0	0.0%	0.0%	
130,000	139,999	1,000	10.000	15	150,000	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	10.000	15	150,000	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	10.000	15	150,000	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	2,773.403	15	41,601,040	15	44,001,040	1	0.0%	7.0%	
Monthly and Annual Subtotals:					3,152	47,094,938	709	47,094,938	59	1.1%	8.0%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 12 - Test Year Usage

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 7/1/2014

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1.000" Commercial	0	999	1,000	0.850	299	254,170	72	27,170	6	0.1%	0.0%
	1,000	1,999	1,000	0.955	227	216,778	18	25,778	2	0.0%	0.0%
	2,000	2,999	1,000	0.962	209	201,098	20	52,098	2	0.0%	0.0%
	3,000	3,999	1,000	0.947	189	178,962	20	69,962	2	0.0%	0.0%
	4,000	4,999	1,000	0.919	169	155,250	25	111,250	2	0.0%	0.0%
	5,000	5,999	1,000	0.972	144	139,992	6	31,992	1	0.0%	0.0%
	6,000	6,999	1,000	0.949	138	130,939	11	69,939	1	0.0%	0.0%
	7,000	7,999	1,000	0.980	127	124,467	4	29,467	0	0.0%	0.0%
	8,000	8,999	1,000	0.983	123	120,968	3	24,968	0	0.0%	0.0%
	9,000	9,999	1,000	0.982	120	117,799	3	27,799	0	0.0%	0.0%
	10,000	14,999	1,000	4.689	117	548,624	17	218,624	1	0.0%	0.1%
	15,000	19,999	1,000	3.993	100	399,274	40	699,274	3	0.1%	0.1%
	20,000	29,999	1,000	7.924	60	475,410	23	565,410	2	0.0%	0.1%
	30,000	39,999	1,000	8.372	37	309,761	11	379,761	1	0.0%	0.1%
	40,000	49,999	1,000	8.028	26	208,735	9	398,735	1	0.0%	0.0%
	50,000	59,999	1,000	8.939	17	151,962	3	161,962	0	0.0%	0.0%
	60,000	69,999	1,000	9.896	14	138,550	1	68,550	0	0.0%	0.0%
	70,000	79,999	1,000	8.950	13	116,350	4	306,350	0	0.0%	0.0%
	80,000	89,999	1,000	10.000	9	90,000	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	9.586	9	86,272	1	96,272	0	0.0%	0.0%
100,000	109,999	1,000	9.593	8	76,741	2	216,741	0	0.0%	0.0%	
110,000	119,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	54.152	6	324,909	6	1,284,909	1	0.0%	0.1%	
Monthly and Annual Subtotals:					2,191	4,867,011	299	4,867,011	25	0.5%	0.8%
1.500" Commercial	0	999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	1,000	1,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	2,000	2,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	3,000	3,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	4,000	4,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	5,000	5,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	6,000	6,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	7,000	7,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	8,000	8,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	10,000	14,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	30,000	39,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					0	0	0	0	0	0.0%	0.0%



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 12 - Test Year Usage

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 7/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where Volume "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
2.000" Commercial	0	999	1,000	0.751	302	226,705	94	18,705	8	0.1%	0.0%
	1,000	1,999	1,000	0.965	208	200,770	12	16,770	1	0.0%	0.0%
	2,000	2,999	1,000	0.995	196	194,953	5	13,953	0	0.0%	0.0%
	3,000	3,999	1,000	0.971	191	185,370	15	54,370	1	0.0%	0.0%
	4,000	4,999	1,000	0.976	176	171,776	10	45,776	1	0.0%	0.0%
	5,000	5,999	1,000	0.978	166	162,267	7	38,267	1	0.0%	0.0%
	6,000	6,999	1,000	0.987	159	156,973	4	25,973	0	0.0%	0.0%
	7,000	7,999	1,000	0.976	155	151,299	6	44,299	1	0.0%	0.0%
	8,000	8,999	1,000	0.982	149	146,331	3	24,331	0	0.0%	0.0%
	9,000	9,999	1,000	0.990	146	144,542	2	18,542	0	0.0%	0.0%
	10,000	14,999	1,000	4.712	144	678,569	16	198,569	1	0.0%	0.1%
	15,000	19,999	1,000	4.566	128	584,409	20	344,409	2	0.0%	0.1%
	20,000	29,999	1,000	8.830	108	953,663	26	653,663	2	0.0%	0.2%
	30,000	39,999	1,000	8.839	82	724,783	17	584,783	1	0.0%	0.1%
	40,000	49,999	1,000	8.847	65	575,082	16	725,082	1	0.0%	0.1%
	50,000	59,999	1,000	9.382	49	459,702	5	269,702	0	0.0%	0.1%
	60,000	69,999	1,000	9.300	44	409,185	4	249,185	0	0.0%	0.1%
	70,000	79,999	1,000	9.794	40	391,764	1	71,764	0	0.0%	0.1%
	80,000	89,999	1,000	9.354	39	364,795	6	514,795	1	0.0%	0.1%
	90,000	99,999	1,000	9.423	33	310,959	4	380,959	0	0.0%	0.1%
100,000	109,999	1,000	9.325	29	270,439	5	530,439	0	0.0%	0.0%	
110,000	119,999	1,000	9.061	24	217,475	5	577,475	0	0.0%	0.0%	
120,000	129,999	1,000	9.098	19	172,856	3	372,856	0	0.0%	0.0%	
130,000	139,999	1,000	9.294	16	148,698	2	268,698	0	0.0%	0.0%	
140,000	149,999	1,000	8.769	14	122,771	3	432,771	0	0.0%	0.0%	
150,000	159,999	1,000	10.000	11	110,000	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	107.546	11	1,183,003	11	2,943,003	1	0.0%	0.2%	
Monthly and Annual Subtotals:					2,704	9,419,139	302	9,419,139	25	0.5%	1.6%
3.000" Commercial	0	999	1,000	0.794	24	19,052	8	3,052	1	0.0%	0.0%
	1,000	1,999	1,000	0.810	16	12,959	6	8,959	1	0.0%	0.0%
	2,000	2,999	1,000	0.876	10	8,761	2	4,761	0	0.0%	0.0%
	3,000	3,999	1,000	1.000	8	8,000	0	0	0	0.0%	0.0%
	4,000	4,999	1,000	1.000	8	8,000	0	0	0	0.0%	0.0%
	5,000	5,999	1,000	1.000	8	8,000	0	0	0	0.0%	0.0%
	6,000	6,999	1,000	1.000	8	8,000	0	0	0	0.0%	0.0%
	7,000	7,999	1,000	1.000	8	8,000	0	0	0	0.0%	0.0%
	8,000	8,999	1,000	1.000	8	8,000	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	1.000	8	8,000	0	0	0	0.0%	0.0%
	10,000	14,999	1,000	5.000	8	40,000	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	5.000	8	40,000	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	10.000	8	80,000	0	0	0	0.0%	0.0%
	30,000	39,999	1,000	10.000	8	80,000	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	10.000	8	80,000	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	10.000	8	80,000	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	10.000	8	80,000	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	10.000	8	80,000	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	10.000	8	80,000	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	9.694	8	77,550	1	97,550	0	0.0%	0.0%
100,000	109,999	1,000	10.000	7	70,000	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	10.000	7	70,000	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	10.000	7	70,000	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	10.000	7	70,000	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	10.000	7	70,000	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	10.000	7	70,000	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	510.954	7	3,576,680	7	4,696,680	1	0.0%	0.6%	
Monthly and Annual Subtotals:					235	4,811,002	24	4,811,002	2	0.0%	0.8%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 12 - Test Year Usage

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 7/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where Volume "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
4.000" Commercial	0	999	1,000	0.881	48	42,295	12	6,295	1	0.0%	0.0%
	1,000	1,999	1,000	1.000	36	36,000	0	0	0	0.0%	0.0%
	2,000	2,999	1,000	0.991	36	35,683	1	2,683	0	0.0%	0.0%
	3,000	3,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	4,000	4,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	5,000	5,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	6,000	6,999	1,000	1.000	35	35,000	0	0	0	0.0%	0.0%
	7,000	7,999	1,000	0.996	35	34,846	1	7,846	0	0.0%	0.0%
	8,000	8,999	1,000	1.000	34	34,000	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	1.000	34	34,000	0	0	0	0.0%	0.0%
	10,000	14,999	1,000	4.833	34	164,312	2	24,312	0	0.0%	0.0%
	15,000	19,999	1,000	4.956	32	158,597	2	38,597	0	0.0%	0.0%
	20,000	29,999	1,000	9.295	30	278,856	6	158,856	1	0.0%	0.0%
	30,000	39,999	1,000	9.181	24	220,351	4	140,351	0	0.0%	0.0%
	40,000	49,999	1,000	9.256	20	185,119	3	135,119	0	0.0%	0.0%
	50,000	59,999	1,000	7.552	17	128,382	7	378,382	1	0.0%	0.0%
	60,000	69,999	1,000	6.974	10	69,741	5	319,741	0	0.0%	0.0%
	70,000	79,999	1,000	6.346	5	31,728	3	221,728	0	0.0%	0.0%
	80,000	89,999	1,000	10.000	2	20,000	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	10.000	2	20,000	0	0	0	0.0%	0.0%
	100,000	109,999	1,000	10.000	2	20,000	0	0	0	0.0%	0.0%
110,000	119,999	1,000	10.000	2	20,000	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	7.040	2	14,079	1	124,079	0	0.0%	0.0%	
130,000	139,999	1,000	1.033	1	1,033	1	131,033	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					546	1,689,022	48	1,689,022	4	0.1%	0.3%
Hydrant 2" Meter Bulk Users	0	999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	1,000	1,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	2,000	2,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	3,000	3,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	4,000	4,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	5,000	5,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	6,000	6,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	7,000	7,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	8,000	8,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	10,000	14,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	30,000	39,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					0	0	0	0	0	0.0%	0.0%
Monthly and Annual Grand Totals:					259,229	590,835,634	63,133		5,261	100%	100%

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 13 - Rates at End of Test Year

This table shows user rates at the end of the test year. Rates for volume ranges that are not shown are the same as the next lowest volume range rates. Rates for customers with no recorded meter size were assumed to be charged the same as those for the smallest meter size customer.

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
0.625" Residential <10,000 Gallons	0	999	\$17.30	0.000	\$1.95
	1,000	1,999	\$17.30	0.000	\$1.95
	2,000	2,999	\$17.30	0.000	\$1.95
	3,000	3,999	\$17.30	0.000	\$2.15
	4,000	4,999	\$17.30	0.000	\$2.15
	5,000	5,999	\$17.30	0.000	\$2.15
	6,000	6,999	\$17.30	0.000	\$2.37
	7,000	7,999	\$17.30	0.000	\$2.37
	8,000	8,999	\$17.30	0.000	\$2.37
	9,000	9,999	\$17.30	0.000	\$2.37
	10,000	14,999	\$17.30	0.000	\$3.20
	15,000	19,999	\$17.30	0.000	\$3.20
	20,000	29,999	\$17.30	0.000	\$3.38
	30,000	39,999	\$17.30	0.000	\$3.72
	40,000	49,999	\$17.30	0.000	\$4.08
	50,000	59,999	\$17.30	0.000	\$5.30
160,000	99,999,999	\$17.30	0.000	\$5.30	
0.750" Residential <10,000 Gallons	0	999	\$17.30	0.000	\$1.95
	1,000	1,999	\$17.30	0.000	\$1.95
	2,000	2,999	\$17.30	0.000	\$1.95
	3,000	3,999	\$17.30	0.000	\$2.15
	4,000	4,999	\$17.30	0.000	\$2.15
	5,000	5,999	\$17.30	0.000	\$2.15
	6,000	6,999	\$17.30	0.000	\$2.37
	7,000	7,999	\$17.30	0.000	\$2.37
	8,000	8,999	\$17.30	0.000	\$2.37
	9,000	9,999	\$17.30	0.000	\$2.37
	10,000	14,999	\$17.30	0.000	\$3.20
	15,000	19,999	\$17.30	0.000	\$3.20
	20,000	29,999	\$17.30	0.000	\$3.38
	30,000	39,999	\$17.30	0.000	\$3.72
	40,000	49,999	\$17.30	0.000	\$4.08
	50,000	59,999	\$17.30	0.000	\$5.30
160,000	99,999,999	\$17.30	0.000	\$5.30	
1.000" Residential <10,000 Gallons	0	999	\$17.30	0.000	\$1.95
	1,000	1,999	\$17.30	0.000	\$1.95
	2,000	2,999	\$17.30	0.000	\$1.95
	3,000	3,999	\$17.30	0.000	\$2.15
	4,000	4,999	\$17.30	0.000	\$2.15
	5,000	5,999	\$17.30	0.000	\$2.15
	6,000	6,999	\$17.30	0.000	\$2.37
	7,000	7,999	\$17.30	0.000	\$2.37
	8,000	8,999	\$17.30	0.000	\$2.37
	9,000	9,999	\$17.30	0.000	\$2.37
	10,000	14,999	\$17.30	0.000	\$3.20
	15,000	19,999	\$17.30	0.000	\$3.20
	20,000	29,999	\$17.30	0.000	\$3.38
	30,000	39,999	\$17.30	0.000	\$3.72
	40,000	49,999	\$17.30	0.000	\$4.08
	50,000	59,999	\$17.30	0.000	\$5.30
160,000	99,999,999	\$17.30	0.000	\$5.30	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 13 - Rates at End of Test Year

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
1.500" Residential <10,000 Gallons	0	999	\$17.30	0.000	\$1.95
	1,000	1,999	\$17.30	0.000	\$1.95
	2,000	2,999	\$17.30	0.000	\$1.95
	3,000	3,999	\$17.30	0.000	\$2.15
	4,000	4,999	\$17.30	0.000	\$2.15
	5,000	5,999	\$17.30	0.000	\$2.15
	6,000	6,999	\$17.30	0.000	\$2.37
	7,000	7,999	\$17.30	0.000	\$2.37
	8,000	8,999	\$17.30	0.000	\$2.37
	9,000	9,999	\$17.30	0.000	\$2.37
	10,000	14,999	\$17.30	0.000	\$3.20
	15,000	19,999	\$17.30	0.000	\$3.20
	20,000	29,999	\$17.30	0.000	\$3.38
	30,000	39,999	\$17.30	0.000	\$3.72
	40,000	49,999	\$17.30	0.000	\$4.08
	50,000	59,999	\$17.30	0.000	\$5.30
160,000	99,999,999	\$17.30	0.000	\$5.30	
2.000" Residential <10,000 Gallons	0	999	\$17.30	0.000	\$1.95
	1,000	1,999	\$17.30	0.000	\$1.95
	2,000	2,999	\$17.30	0.000	\$1.95
	3,000	3,999	\$17.30	0.000	\$2.15
	4,000	4,999	\$17.30	0.000	\$2.15
	5,000	5,999	\$17.30	0.000	\$2.15
	6,000	6,999	\$17.30	0.000	\$2.37
	7,000	7,999	\$17.30	0.000	\$2.37
	8,000	8,999	\$17.30	0.000	\$2.37
	9,000	9,999	\$17.30	0.000	\$2.37
	10,000	14,999	\$17.30	0.000	\$3.20
	15,000	19,999	\$17.30	0.000	\$3.20
	20,000	29,999	\$17.30	0.000	\$3.38
	30,000	39,999	\$17.30	0.000	\$3.72
	40,000	49,999	\$17.30	0.000	\$4.08
	50,000	59,999	\$17.30	0.000	\$5.30
160,000	99,999,999	\$17.30	0.000	\$5.30	
0.625" Residential ≥10,000 Gallons	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 13 - Rates at End of Test Year

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
0.750" Residential ≥10,000 Gallons	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	
1.000" Residential ≥10,000 Gallons	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	
1.500" Residential ≥10,000 Gallons	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 13 - Rates at End of Test Year

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
2.000" Residential ≥10,000 Gallons	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	
0.625" Commercial	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	
0.750" Commercial	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 13 - Rates at End of Test Year

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
1.000" Commercial	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	
1.500" Commercial	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	
2.000" Commercial	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 13 - Rates at End of Test Year

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
3.000" Commercial	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	
4.000" Commercial	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
160,000	99,999,999	\$22.49	0.000	\$5.30	
Hydrant 2" Meter Bulk Users	0	999	\$22.49	0.000	\$1.95
	1,000	1,999	\$22.49	0.000	\$1.95
	2,000	2,999	\$22.49	0.000	\$1.95
	3,000	3,999	\$22.49	0.000	\$2.15
	4,000	4,999	\$22.49	0.000	\$2.15
	5,000	5,999	\$22.49	0.000	\$2.15
	6,000	6,999	\$22.49	0.000	\$2.37
	7,000	7,999	\$22.49	0.000	\$2.37
	8,000	8,999	\$22.49	0.000	\$2.37
	9,000	9,999	\$22.49	0.000	\$2.37
	10,000	14,999	\$22.49	0.000	\$3.20
	15,000	19,999	\$22.49	0.000	\$3.20
	20,000	29,999	\$22.49	0.000	\$3.38
	30,000	39,999	\$22.49	0.000	\$3.72
	40,000	49,999	\$22.49	0.000	\$4.08
	50,000	59,999	\$22.49	0.000	\$5.30
	60,000	69,999	\$22.49	0.000	\$5.30
	70,000	79,999	\$22.49	0.000	\$5.30
	80,000	89,999	\$22.49	0.000	\$5.30
	90,000	99,999	\$22.49	0.000	\$5.30
	100,000	109,999	\$22.49	0.000	\$5.30
110,000	119,999	\$22.49	0.000	\$5.30	
120,000	129,999	\$22.49	0.000	\$5.30	
130,000	139,999	\$22.49	0.000	\$5.30	
140,000	149,999	\$22.49	0.000	\$5.30	
150,000	159,999	\$22.49	0.000	\$5.30	
160,000	99,999,999	\$22.49	0.000	\$5.30	



# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 14 - Cost Classification for Test Year

This table distributes costs from a representative year (the "target" year) to fixed and variable categories (see Definitions) in order to calculate the "proportional to use" or "cost of service" rate structure based upon the cost breakdown for that year.

The rate structure target year runs from 7/1/2016 through 6/30/2017

Operating Costs	Amount	Fixed Cost %	Variable Cost %	Capacity Cost %	Fixed Cost Amount	Variable Cost Amount	Capacity Cost Amount
Advertising & Promotion	\$4,566	100.0%	0.0%	0.0%	\$4,566	\$0	\$0
Annual Audit	\$23,861	100.0%	0.0%	0.0%	\$23,861	\$0	\$0
Association Dues & Memberships	\$1,600	50.0%	50.0%	0.0%	\$800	\$800	\$0
Bad Debt Expense	\$13,341	50.0%	50.0%	0.0%	\$6,670	\$6,670	\$0
Board Meeting Per Diem	\$9,859	100.0%	0.0%	0.0%	\$9,859	\$0	\$0
Building Repair & Maintenance	\$1,857	50.0%	50.0%	0.0%	\$928	\$928	\$0
Cellular Phone	\$7,760	100.0%	0.0%	0.0%	\$7,760	\$0	\$0
Chemicals	\$20,653	0.0%	100.0%	0.0%	\$0	\$20,653	\$0
Company Insurance	\$43,666	50.0%	50.0%	0.0%	\$21,833	\$21,833	\$0
Contract Labor	\$6,969	50.0%	50.0%	0.0%	\$3,484	\$3,484	\$0
Debt Service - Interest (Loan Closeout)	\$0	50.0%	50.0%	0.0%	\$0	\$0	\$0
Debt Service - Principal (Loan Closeout)	\$0	50.0%	50.0%	0.0%	\$0	\$0	\$0
Dental Insurance	\$4,007	50.0%	50.0%	0.0%	\$2,003	\$2,003	\$0
EBID Fees (ROW Lease)	\$13,496	50.0%	50.0%	0.0%	\$6,748	\$6,748	\$0
Educational Assistance	\$3,115	50.0%	50.0%	0.0%	\$1,558	\$1,558	\$0
Electric	\$270,971	0.0%	100.0%	0.0%	\$0	\$270,971	\$0
Engineering Services	\$75,000	50.0%	50.0%	0.0%	\$37,500	\$37,500	\$0
Equipment Rentals	\$2,179	50.0%	50.0%	0.0%	\$1,090	\$1,090	\$0
Equipment Repairs & Maintenance	\$5,305	50.0%	50.0%	0.0%	\$2,653	\$2,653	\$0
FICA Tax Expense	\$54,771	33.0%	67.0%	0.0%	\$18,074	\$36,696	\$0
Financial Services	\$7,505	100.0%	0.0%	0.0%	\$7,505	\$0	\$0
Food	\$1,500	100.0%	0.0%	0.0%	\$1,500	\$0	\$0
Fuel & Oil	\$23,064	50.0%	50.0%	0.0%	\$11,532	\$11,532	\$0
FUTA Expense (Fed Unemployment Tax)	\$1,000	33.0%	67.0%	0.0%	\$330	\$670	\$0
Gas Service	\$1,162	50.0%	50.0%	0.0%	\$581	\$581	\$0
Health Insurance	\$102,600	33.0%	67.0%	0.0%	\$33,858	\$68,742	\$0
Internet Service	\$3,269	100.0%	0.0%	0.0%	\$3,269	\$0	\$0
IT Services	\$28,337	100.0%	0.0%	0.0%	\$28,337	\$0	\$0
Janitor Services & Supplies	\$5,833	100.0%	0.0%	0.0%	\$5,833	\$0	\$0
Land Easements	\$0	100.0%	0.0%	0.0%	\$0	\$0	\$0
Leasing & Maint. Agreements	\$128,577	50.0%	50.0%	0.0%	\$64,289	\$64,289	\$0
Legal Services	\$150,000	100.0%	0.0%	0.0%	\$150,000	\$0	\$0
Licenses, Permits, Fees	\$57,352	100.0%	0.0%	0.0%	\$57,352	\$0	\$0
Mandatory Medical	\$1,471	33.0%	67.0%	0.0%	\$485	\$986	\$0
Miscellaneous Expense	\$0	50.0%	50.0%	0.0%	\$0	\$0	\$0
Office Repairs & Maintenance	\$59	100.0%	0.0%	0.0%	\$59	\$0	\$0
Other Professional Services	\$63,096	33.0%	67.0%	0.0%	\$20,822	\$42,274	\$0
Overtime	\$30,289	33.0%	67.0%	0.0%	\$9,995	\$20,294	\$0
Postage & Shipping	\$66,057	100.0%	0.0%	0.0%	\$66,057	\$0	\$0
Pubic Employees Retirement Association	\$61,564	33.0%	67.0%	0.0%	\$20,316	\$41,248	\$0
Real Estate Taxes	\$14,578	50.0%	50.0%	0.0%	\$7,289	\$7,289	\$0
Safety Equipment	\$1,199	50.0%	50.0%	0.0%	\$600	\$600	\$0
Salaries	\$669,642	33.0%	67.0%	0.0%	\$220,982	\$448,660	\$0
Sample Testing	\$12,068	50.0%	50.0%	0.0%	\$6,034	\$6,034	\$0

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 14 - Cost Classification for Test Year

Operating Costs	Amount	Fixed Cost %	Variable Cost %	Capacity Cost %	Fixed Cost Amount	Variable Cost Amount	Capacity Cost Amount
Small Tools	\$1,493	50.0%	50.0%	0.0%	\$747	\$747	\$0
STD/LTD/Life	\$7,169	33.0%	67.0%	0.0%	\$2,366	\$4,803	\$0
Supplies & Expenses	\$144,645	50.0%	50.0%	0.0%	\$72,322	\$72,322	\$0
SUTA Expense (State Unemployment Tax)	\$26,000	33.0%	67.0%	0.0%	\$8,580	\$17,420	\$0
System Repairs & Maintenance	\$75,056	50.0%	50.0%	0.0%	\$37,528	\$37,528	\$0
Telephone	\$10,067	100.0%	0.0%	0.0%	\$10,067	\$0	\$0
Trainings & Seminars	\$12,480	33.0%	67.0%	0.0%	\$4,118	\$8,362	\$0
Trash Service	\$3,648	50.0%	50.0%	0.0%	\$1,824	\$1,824	\$0
Travel	\$10,400	33.0%	67.0%	0.0%	\$3,432	\$6,968	\$0
Uniforms	\$3,525	50.0%	50.0%	0.0%	\$1,763	\$1,763	\$0
Vehicle Repairs & Maintenance	\$4,762	50.0%	50.0%	0.0%	\$2,381	\$2,381	\$0
Vision insurance	\$1,334	33.0%	67.0%	0.0%	\$440	\$894	\$0
Water Conservation Fee	\$23,020	0.0%	100.0%	0.0%	\$0	\$23,020	\$0
Water/Sewer Service	\$2,229	50.0%	50.0%	0.0%	\$1,114	\$1,114	\$0
Workman's Comp	\$20,641	33.0%	67.0%	0.0%	\$6,812	\$13,830	\$0
Temporary Non-payment to Replacement Fund	\$0	50.0%	50.0%	0.0%	\$0	\$0	\$0
Annual Payment to Replacement Fund (Table 17)	\$445,933	50.0%	50.0%	0.0%	\$222,966	\$222,966	\$0
User Charge Analysis Services	\$0	50.0%	50.0%	0.0%	\$0	\$0	\$0
CIP Spending Net of Grant/Loan Proceeds and Other External Incomes (Table 4)	\$618,493	50.0%	25.0%	25.0%	\$309,247	\$154,623	\$154,623
Offset for Capacity Surcharges (Table 10)	-\$348,574	50.0%	25.0%	25.0%	-\$174,287	-\$87,143	-\$87,143
<b>Grand Total Costs, Weighted Avg Percentages</b>	<b>\$3,055,522</b>	<b>45.1%</b>	<b>52.7%</b>	<b>2.2%</b>	<b>\$1,377,834</b>	<b>\$1,610,209</b>	<b>\$67,480</b>

### "Proportional to Use" Rate Structure Cost Basis

	100%	\$3,055,522
Average Fixed Cost/User/Month =	\$21.82	Water Loss is Estimated at
		0%
Average Variable Cost to Produce/1,000 Gallons =	\$2.73	Cost of Water Loss is Estimated at
		52%
Gallons/Billing Cycle Used by Average Residential Customer =	4,398	Resulting Cost of Water Loss
		\$0
		Test Year Customer Metered Usage (in Gallons)
		590,835,634
		+ Test Year Water Loss
		0
		Total Test Year Volume
		590,835,634

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Table 15 - Marginal Costs

This table depicts marginal fixed and variable costs that would be incurred to serve "snow birds" or similar customers that discontinue service, or would like to discontinue service for part of the year. In other words, these are unavoidable costs that snow birds and similar customers cause even when they are gone. The marginal fixed cost shown at the bottom of this table is used in Table 10 to calculate the "Snow Bird" fee for various meter sizes.

The rate structure target year runs from 7/1/2015 through 6/30/2016

Operating Costs	Amount	Marginal Fixed Cost %	Marginal Variable Cost %	Marginal Capacity Cost %	Marginal Fixed Cost Amount	Marginal Variable Cost Amount	Marginal Capacity Cost Amount
Advertising & Promotion	\$4,342	100%	100%	100%	\$4,342	\$0	\$0
Annual Audit	\$22,943	100%	100%	100%	\$22,943	\$0	\$0
Association Dues & Memberships	\$1,538	50%	50%	50%	\$385	\$385	\$0
Bad Debt Expense	\$12,827	100%	100%	100%	\$6,414	\$6,414	\$0
Board Meeting Per Diem	\$9,480	100%	100%	100%	\$9,480	\$0	\$0
Building Repair & Maintenance	\$1,786	100%	100%	100%	\$893	\$893	\$0
Cellular Phone	\$7,462	100%	100%	100%	\$7,462	\$0	\$0
Chemicals	\$19,640	0%	0%	0%	\$0	\$0	\$0
Company Insurance	\$41,987	50%	50%	50%	\$10,497	\$10,497	\$0
Contract Labor	\$6,969	100%	100%	100%	\$3,484	\$3,484	\$0
Debt Service - Interest (Loan Closeout)	\$0	100%	100%	100%	\$0	\$0	\$0
Debt Service - Principal (Loan Closeout)	\$0	100%	100%	100%	\$0	\$0	\$0
Dental Insurance	\$3,853	50%	50%	50%	\$963	\$963	\$0
EBID Fees (ROW Lease)	\$13,496	100%	100%	100%	\$6,748	\$6,748	\$0
Educational Assistance	\$2,995	50%	50%	50%	\$749	\$749	\$0
Electric	\$257,676	5%	5%	5%	\$0	\$12,884	\$0
Engineering Services	\$60,000	100%	100%	100%	\$30,000	\$30,000	\$0
Equipment Rentals	\$2,095	100%	100%	100%	\$1,048	\$1,048	\$0
Equipment Repairs & Maintenance	\$5,101	100%	100%	100%	\$2,551	\$2,551	\$0
FICA Tax Expense	\$52,664	50%	50%	50%	\$8,690	\$17,642	\$0
Financial Services	\$7,216	100%	100%	100%	\$7,216	\$0	\$0
Food	\$1,443	0%	0%	0%	\$0	\$0	\$0
Fuel & Oil	\$22,177	100%	100%	100%	\$11,088	\$11,088	\$0
FUTA Expense (Fed Unemployment Tax)	\$900	50%	50%	50%	\$149	\$302	\$0
Gas Service	\$1,117	100%	100%	100%	\$559	\$559	\$0
Health Insurance	\$95,000	50%	50%	50%	\$15,675	\$31,825	\$0
Internet Service	\$3,144	100%	100%	100%	\$3,144	\$0	\$0
IT Services	\$27,247	100%	100%	100%	\$27,247	\$0	\$0
Janitor Services & Supplies	\$5,609	100%	100%	100%	\$5,609	\$0	\$0
Land Easements	\$0	100%	100%	100%	\$0	\$0	\$0
Leasing & Maint. Agreements	\$123,632	100%	100%	100%	\$61,816	\$61,816	\$0
Legal Services	\$150,000	100%	100%	100%	\$150,000	\$0	\$0
Licenses, Permits, Fees	\$55,146	100%	100%	100%	\$55,146	\$0	\$0
Mandatory Medical	\$1,414	50%	50%	50%	\$233	\$474	\$0
Miscellaneous Expense	\$0	50%	50%	50%	\$0	\$0	\$0
Office Repairs & Maintenance	\$57	100%	100%	100%	\$57	\$0	\$0
Other Professional Services	\$60,000	100%	100%	100%	\$19,800	\$40,200	\$0
Overtime	\$29,124	50%	50%	50%	\$4,806	\$9,757	\$0
Postage & Shipping	\$63,517	100%	100%	100%	\$63,517	\$0	\$0
Pubic Employees Retirement Association	\$59,197	50%	50%	50%	\$9,767	\$19,831	\$0
Real Estate Taxes	\$14,017	100%	100%	100%	\$7,009	\$7,009	\$0
Safety Equipment	\$1,153	50%	50%	50%	\$288	\$288	\$0
Salaries	\$643,886	50%	50%	50%	\$106,241	\$215,702	\$0

# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 15 - Marginal Costs

Operating Costs	Amount	Marginal Fixed Cost %	Marginal Variable Cost %	Marginal Capacity Cost %	Marginal Fixed Cost Amount	Marginal Variable Cost Amount	Marginal Capacity Cost Amount
Sample Testing	\$11,604	100%	100%	100%	\$5,802	\$5,802	\$0
Small Tools	\$1,436	100%	100%	100%	\$718	\$718	\$0
STD/LTD/Life	\$6,894	50%	50%	50%	\$1,137	\$2,309	\$0
Supplies & Expenses	\$139,082	100%	100%	100%	\$69,541	\$69,541	\$0
SUTA Expense (State Unemployment Tax)	\$25,000	50%	50%	50%	\$4,125	\$8,375	\$0
System Repairs & Maintenance	\$72,169	100%	100%	100%	\$36,085	\$36,085	\$0
Telephone	\$9,680	100%	100%	100%	\$9,680	\$0	\$0
Trainings & Seminars	\$12,000	50%	50%	50%	\$1,980	\$4,020	\$0
Trash Service	\$3,507	100%	100%	100%	\$1,754	\$1,754	\$0
Travel	\$10,000	50%	50%	50%	\$1,650	\$3,350	\$0
Uniforms	\$3,390	50%	50%	50%	\$847	\$847	\$0
Vehicle Repairs & Maintenance	\$4,579	100%	100%	100%	\$2,289	\$2,289	\$0
Vision insurance	\$1,283	50%	50%	50%	\$212	\$430	\$0
Water Conservation Fee	\$22,135	100%	100%	100%	\$0	\$22,135	\$0
Water/Sewer Service	\$2,143	100%	100%	100%	\$1,072	\$1,072	\$0
Workman's Comp	\$19,848	50%	50%	50%	\$3,275	\$6,649	\$0
Temporary Non-payment to Replacement Fund	-\$445,933	100%	100%	100%	-\$222,966	-\$222,966	\$0
<b>Surchargeable Services</b>	\$0	100%	100%	100%	\$0	\$0	\$0
<b>Water Loss</b>	\$0	100%	100%	100%	\$0	\$0	\$0
<b>One-time Transfer to Replacement Fund</b>	\$0	100%	100%	100%	\$0	\$0	\$0
<b>Annual Payment to Replacement Fund (Table 17)</b>	\$445,933	100%	100%	100%	\$222,966	\$222,966	\$0
<b>User Charge Analysis Services</b>	\$7,452	100%	100%	100%	\$3,726	\$3,726	\$0
<b>CIP Spending Net of Grant/Loan Proceeds and Other External Incomes (Table 4)</b>	\$618,493	100%	100%	100%	\$309,247	\$154,623	\$154,623
<b>Offset for Capacity Surcharges (Table 10)</b>	-\$348,574	100%	100%	100%	-\$174,287	-\$87,143	-\$87,143
<b>Grand Total All Costs</b>	<b>\$2,513,970</b>				<b>\$944,865</b>	<b>\$729,688</b>	<b>\$67,480</b>

### Marginal Costs per Customer, Volume Unit and Capacity Share

The system would suffer a net revenue loss if it set minimum and unit charges lower than the marginal costs at the right. It would make a "profit" on a marginal cost basis if it charged more. Capacity costs, however, are a bit different. They can be recovered over time, as modeled here, or all at once in the case of connection (tap-on) fees or by using a combination of both methods. Using the cost basis in Table 10, marginal capacity costs may be even higher than modeled here.

	Number of Customers	Volume in 1,000s of Gallons	Marginal Fixed Cost per Customer	Marginal Variable Cost per 1,000 Gallons	Marginal Capacity Cost per AWWA Capacity Share per Monthly
	5,261	590,836	\$14.97		
Marginal Fixed Cost as a Percent of Average Fixed Cost (Table 14):			85%	\$1.24	
Marginal Variable Cost as a Percent of Average Variable Cost (Table 14):				55%	\$0.82
Marginal Variable Cost as a Percent of Average Variable Cost (Table 14):					100%

## Dona Ana MDWC, NM Water Rates Scenario 2016-3

### Table 16 - Equipment Replacement Details Table

Assumed Same Amount as Repair and Maintenance Costs

Year Beginning	Assumed Amount at 15% of Operating Costs, Excluding Debt Service											Total Annual Replacement Costs	
1/1/14	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1/1/15	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/16	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/17	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/18	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/19	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/20	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/21	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/22	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/23	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/24	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/25	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/26	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/27	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/28	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/29	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/30	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/31	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/32	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/33	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/34	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950
1/1/35	\$350,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,950

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# Dona Ana MDWC, NM Water Rates Scenario 2016-3

## Table 17 - Replacement Schedule

This schedule calculates the annual annuity needed to fund all replacement and refurbishment from Table 16, the detailed schedule.

2.00% Average Inflation Rate for the Following Water System Equipment for the Term of This Replacement Schedule

3.00% Average Interest Rate on Balances Invested for the Term of This Replacement Schedule

3.00% Average Interest Rate on Amounts Borrowed for the Term of This Replacement Schedule

Year Beginning	Item Description	This Year's Costs in Current Dollars	Future Annual Inflated Net Costs	Interest Earned on Prior Balance	End of Year Balance in Future Dollars	Minimum Desired End of Year Balance in Future Dollars
1/1/14	Last year's replacements	\$0	\$0	\$0	\$0	\$350,950
1/1/15	Total of replacements from detailed replacement schedule	\$350,950	\$357,969	\$0	\$87,963	\$357,969
1/1/16	Total of replacements from detailed replacement schedule	\$350,950	\$365,129	\$2,639	\$171,406	\$365,129
1/1/17	Total of replacements from detailed replacement schedule	\$350,950	\$372,431	\$5,142	\$250,050	\$372,431
1/1/18	Total of replacements from detailed replacement schedule	\$350,950	\$379,880	\$7,501	\$323,604	\$379,880
1/1/19	Total of replacements from detailed replacement schedule	\$350,950	\$387,478	\$9,708	\$391,767	\$387,478
1/1/20	Total of replacements from detailed replacement schedule	\$350,950	\$395,227	\$11,753	\$454,226	\$395,227
1/1/21	Total of replacements from detailed replacement schedule	\$350,950	\$403,132	\$13,627	\$510,654	\$403,132
1/1/22	Total of replacements from detailed replacement schedule	\$350,950	\$411,194	\$15,320	\$560,712	\$411,194
1/1/23	Total of replacements from detailed replacement schedule	\$350,950	\$419,418	\$16,821	\$604,048	\$419,418
1/1/24	Total of replacements from detailed replacement schedule	\$350,950	\$427,807	\$18,121	\$640,295	\$427,807
1/1/25	Total of replacements from detailed replacement schedule	\$350,950	\$436,363	\$19,209	\$669,074	\$436,363
1/1/26	Total of replacements from detailed replacement schedule	\$350,950	\$445,090	\$20,072	\$689,989	\$445,090
1/1/27	Total of replacements from detailed replacement schedule	\$350,950	\$453,992	\$20,700	\$702,630	\$453,992
1/1/28	Total of replacements from detailed replacement schedule	\$350,950	\$463,072	\$21,079	\$706,570	\$463,072
1/1/29	Total of replacements from detailed replacement schedule	\$350,950	\$472,333	\$21,197	\$701,367	\$472,333
1/1/30	Total of replacements from detailed replacement schedule	\$350,950	\$481,780	\$21,041	\$686,561	\$481,780
1/1/31	Total of replacements from detailed replacement schedule	\$350,950	\$491,415	\$20,597	\$661,675	\$491,415
1/1/32	Total of replacements from detailed replacement schedule	\$350,950	\$501,244	\$19,850	\$626,214	\$501,244
1/1/33	Total of replacements from detailed replacement schedule	\$350,950	\$511,269	\$18,786	\$579,665	\$511,269
1/1/34	Total of replacements from detailed replacement schedule	\$350,950	\$521,494	\$17,390	\$521,494	\$521,494
Notes: Because the District does not have a formal R&R schedule, it was assumed that true R&R costs are equal to the "repair and maintenance" items in Table 3. In addition, a Discretionary Annuity amount was added so that at the end of the 20-year modeling period, the balance will equal the average of the annual replacement cost amounts.		Starting Account Balance			\$0	\$350,950
		Minimum Annual Annuity			\$426,525	Minimum Desired Balance in Today's Dollars
		Discretionary Annuity			\$19,408	
<b>Required Annual Deposit to Replacement Account</b>					<b>\$445,933</b>	

This amount is entered into Table 3 as an operating cost of the system.

# Dona Ana MDWCA, Las Cruces, NM, Sewer Rates Scenario 2016-2 Modeling Results

This document contains the calculations that were performed to arrive at new user rates and fees for the next 10 years. These calculations are complex so key issues are also described in a narrative report that accompanies this model.

This analysis was conducted so as to establish user rates that are adequate to pay all reasonably expectable costs while charging rates that are fairly structured and appropriately simple or complex.

**Scenario Description:** This analysis model assumes minimum charges that capture basic fixed costs plus a surcharge based upon meter size to capture part of the cost of building system capacity. Unit charges will be level; the same for all volumes of use, and capture variable costs. After initially setting rates as shown in the table in the narrative report, inflationary rate increases will be done annually.

For most, the best way to read and understand what this model means is this. Scan the "Index of Tables, Charts and Other Results" to see how the model is laid out. Scan the "Definitions" for any terms you are not already familiar with. Read and even ponder Table 1 and the line graph charts. These will show you how the proposed rate adjustments will affect ratepayers and the system. If you need more detail than that, review the entire model. Finally, rate setting involves much more than just rates so you need to read the accompanying narrative report to understand what you need to do and why.

Several tables in this model depict volume usage and user rates for the various customer classes. The model includes a continuum of volumes but many volume categories had no users. Most of these lines have been hidden simply to make the tables less voluminous. However, all volume classes that had use or that are break points for rate blocks are shown. For volume classes that are not shown, rates will be the same as the previous rate that is shown.

February 2, 2016  
This rate analysis scenario was produced by  
Carl E. Brown, GettingGreatRates.com  
1014 Carousel Drive, Jefferson City, Missouri 65101  
(573) 619-3411  
[www.gettinggreatrates.com](http://www.gettinggreatrates.com)  
[carl@gettinggreatrates.com](mailto:carl@gettinggreatrates.com)

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# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Return on Investment

The rates depicted in this model will produce various returns on investment or paybacks. Usually the most important payback, at least to ratepayers, is a rate structure that is demonstrably fair. For the system, revenues (usually increased) that will be adequate to pay all expected, expectable and many unexpected costs is the key return.

The following calculations show what was invested and what the returns will be over two periods; five years and 10 years. Five years is a reasonable period for return projections. Ten years is a good basic planning horizon but you should not bank on amounts or returns projected that far out. Besides, most systems should have their analyses redone long before then.

Consider these key points about returns on investment. Because the recommended, overall higher rates will fund more improvements, better repair and replacement and such, much of the increase in revenues will be absorbed by those expenses. Thus, few systems end up with a dramatic increase in their reserves because most of the additional revenues get used up making needed improvements. Fairer and higher rates generally enable systems to qualify for grant and loan funding, too, increasing those funds but also using up those funds.

Also note that rates in this model have been modeled to be adjusted during the year following the test year or even later. That year is included in the first five-year return on investment calculation. Thus, the first year of returns calculated below include most or all of one year where rates will not have been changed yet, lowering the calculated return on investment but not the real rate of return.

## Calculations

\$7,452 Fees to GettingGreatRates.com  
\$500 Estimated value of system staff time and incidentals to assemble needed information  
\$7,952 Total Investment for This Analysis

\$580,672 Five-year Improvement in Cash Position Due at Least Partly to This Analysis  
7302% Five-year Return on Investment (increase in revenues / investment)

\$3,524,207 Ten-year Improvement in Cash Position Due at Least Partly to This Analysis  
44320% Ten-year Return on Investment (increase in revenues / investment)

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## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 1 - Recommended Rates

Adopt the minimum and unit charges shown in this table. The minimum charges come from the yellow highlighted column of Table 10 of the model. Use that table to set minimum charges for meter sizes not shown in this table.

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge per Billing Cycle	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
0.625	0	999	\$15.47	0.000	\$3.32
	1,000	1,999	\$15.47	0.000	\$3.32
	2,000	2,999	\$15.47	0.000	\$3.32
	3,000	3,999	\$15.47	0.000	\$3.32
	4,000	4,999	\$15.47	0.000	\$3.32
	5,000	5,999	\$15.47	0.000	\$3.32
	160,000	99,999,999	\$15.47	0.000	\$3.32
0.750	0	999	\$15.47	0.000	\$3.32
	1,000	1,999	\$15.47	0.000	\$3.32
	2,000	2,999	\$15.47	0.000	\$3.32
	3,000	3,999	\$15.47	0.000	\$3.32
	4,000	4,999	\$15.47	0.000	\$3.32
	5,000	5,999	\$15.47	0.000	\$3.32
	160,000	99,999,999	\$15.47	0.000	\$3.32
1.000	0	999	\$16.05	0.000	\$3.32
	1,000	1,999	\$16.05	0.000	\$3.32
	2,000	2,999	\$16.05	0.000	\$3.32
	3,000	3,999	\$16.05	0.000	\$3.32
	4,000	4,999	\$16.05	0.000	\$3.32
	5,000	5,999	\$16.05	0.000	\$3.32
	160,000	99,999,999	\$16.05	0.000	\$3.32
2.000	0	999	\$21.33	0.000	\$3.32
	1,000	1,999	\$21.33	0.000	\$3.32
	2,000	2,999	\$21.33	0.000	\$3.32
	3,000	3,999	\$21.33	0.000	\$3.32
	4,000	4,999	\$21.33	0.000	\$3.32
	5,000	5,999	\$21.33	0.000	\$3.32
	160,000	99,999,999	\$21.33	0.000	\$3.32
No Meter Size	0	999	\$15.47	0.000	\$3.32
	1,000	1,999	\$15.47	0.000	\$3.32
	2,000	2,999	\$15.47	0.000	\$3.32
	3,000	3,999	\$15.47	0.000	\$3.32
	4,000	4,999	\$15.47	0.000	\$3.32
	5,000	5,999	\$15.47	0.000	\$3.32
	160,000	99,999,999	\$15.47	0.000	\$3.32

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 2 - User Base and Operating Incomes

This table depicts user statistics and system incomes during the test year and for the next 10 years.

#### Annual Median Household Income (AMHI)

\$29,487	Census Bureau estimate of AMHI for the year:	2013
<u>\$27,292</u>	Census Bureau estimate of AMHI for the year:	2000
\$2,195 AMHI growth during this time period		
0.62% Simple annual income growth rate during this time period (used to project incomes into the future)		

#### Test Year Growth of Customer Base and Average Tap Fee Paid per Connection

10	Number of new taps or installations made during the test year
\$0	Average tap or installation fee assessed during the test year

The gray highlighted row below shows the rate revenue increase for "This Year" (heading highlighted blue). However, for "This Year," each customer's bill will go up or down based upon how the new rates apply to their actual use and demand. In future years it is assumed that all rates and fees will go up, either by a simple inflationary factor shown on this line or restructured rates that produce this level of income increases.

In the "This Year" column below (heading highlighted blue), revenues will be collected at the now-current rates for the first part of the year and the modeled rates for the last part of the year starting on the date near the top of Table 12. Thus, the revenues shown in the last column of the table are "blended" revenues; part collected at the old rates and part collected at the new rates. It was then assumed that all rate adjustments made after the initial (major) adjustment will be done in time each year so fees can be collected from the first day of each new year at the (annually) adjusted rates.

#### User Base

(First year balances and incomes are <u>actual</u> , subsequent years are <u>projected</u> .)	Infla./De- flation (-) Factor	Test Year	This Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year
		Starting 7/1/14	Starting 7/1/15	Starting 7/1/16	Starting 7/1/17	Starting 7/1/18	Starting 7/1/19	Starting 7/1/20	Starting 7/1/21	Starting 7/1/22	Starting 7/1/23	Starting 7/1/24
Average Users for the Year	NA	1168	1178	1188	1211	1234	1257	1680	1703	1713	1723	1733
Users Added/Lost During the Year	NA	10.0	10.0	10.0	23.0	23.0	23.0	423.0	23.0	10.0	10.0	10.0
User Growth or Loss Rate	NA	0.86%	0.85%	0.84%	0.84%	1.86%	1.83%	25.18%	1.35%	0.58%	0.58%	0.58%
Rate Increases Projected for Future Years	NA	NA	NA	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

#### How User Charge Fees Were Calculated, Accounting for New Customers and Future Rate Increases

Actual or Calculated Sales Revenues	\$452,092	\$467,790	\$516,175	\$536,136	\$556,868	\$584,265	\$612,804	\$790,112	\$824,807	\$854,511	\$885,254
Additional Sales Revenues From New Customers		\$3,971	\$4,345	\$4,513	\$10,379	\$10,691	\$154,295	\$10,671	\$4,815	\$4,959	\$5,108
Total Calculated Revenues	\$452,092	\$471,762	\$520,520	\$540,649	\$567,247	\$594,956	\$767,100	\$800,783	\$829,622	\$859,470	\$890,362

#### Operating Incomes

User Charge Fees	NA	\$452,092	\$471,762	\$520,520	\$540,649	\$567,247	\$594,956	\$767,100	\$800,783	\$829,622	\$859,470	\$890,362
Late Payment Charge	NA	\$15,828	\$16,517	\$18,224	\$18,928	\$19,860	\$20,830	\$26,857	\$28,036	\$29,046	\$30,091	\$31,172
New Taps or Connections (Current Rate Structure) % Above		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Meter-size Based Tap Fees (Table 9) % Above		\$0	\$3,716	\$15,393	\$36,465	\$37,559	\$38,686	\$732,824	\$41,042	\$18,379	\$18,931	\$19,499
Interest Income	NA	\$0	\$1,134	\$963	\$1,117	\$1,154	\$1,235	\$1,232	\$1,274	\$1,364	\$1,362	\$1,409
Total Operating Incomes		\$467,920	\$493,128	\$555,099	\$597,159	\$625,820	\$655,706	\$1,528,012	\$871,135	\$878,411	\$909,853	\$942,442

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 3 - Operating Costs and Net Income

This table depicts expenses during the test year, this year and for the next 10 years.

(First year costs and net incomes are actual, subsequent years are projected.)

	Infla./De- flation (-) Factor	Test Year	This Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year
		Starting 7/1/14	Starting 7/1/15	Starting 7/1/16	Starting 7/1/17	Starting 7/1/18	Starting 7/1/19	Starting 7/1/20	Starting 7/1/21	Starting 7/1/22	Starting 7/1/23	Starting 7/1/24
(Note: Some future costs will experience inflation. Those costs that go up as use goes up are also increased by the growth rate in users and the percentage by which that cost is variable as reported in Chart 4.)												
Association Dues & Memberships	4.0%	\$0	\$0	\$400	\$416	\$433	\$450	\$468	\$487	\$506	\$526	\$547
Chemicals	4.0%	\$5,413	\$5,629	\$50,000	\$52,000	\$54,080	\$56,243	\$58,493	\$60,833	\$63,266	\$65,797	\$68,428
Dental Insurance	4.0%	\$3	\$3	\$96	\$100	\$104	\$108	\$112	\$117	\$122	\$126	\$132
Engineering Services	4.0%	\$1,036	\$1,078	\$1,121	\$1,166	\$1,212	\$1,261	\$1,311	\$1,364	\$1,418	\$1,475	\$1,534
Equipment Rentals	4.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Licenses, Permits, Fees	4.0%	\$37	\$39	\$1,264	\$1,315	\$1,367	\$1,422	\$1,479	\$1,538	\$1,600	\$1,663	\$1,730
Miscellaneous Expense	4.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Professional Services	4.0%	\$37,200	\$19,344	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Postage & Shipping	4.0%	\$558	\$580	\$580	\$580	\$580	\$580	\$580	\$580	\$580	\$580	\$580
Pubic Employees Retirement Association	4.0%	\$50	\$52	\$1,715	\$1,784	\$1,855	\$1,929	\$2,006	\$2,086	\$2,170	\$2,257	\$2,347
Safety Equipment	4.0%	\$690	\$717	\$746	\$776	\$807	\$839	\$873	\$908	\$944	\$982	\$1,021
Salaries	4.0%	\$587	\$610	\$20,000	\$20,800	\$21,632	\$22,497	\$23,397	\$24,333	\$25,306	\$26,319	\$27,371
Sample Testing	4.0%	\$5,712	\$5,941	\$6,178	\$6,426	\$6,683	\$6,950	\$7,228	\$7,517	\$7,818	\$8,130	\$8,456
Sludge Removal	4.0%	\$35,491	\$36,910	\$38,387	\$39,922	\$41,519	\$43,180	\$44,907	\$46,703	\$48,571	\$50,514	\$52,535
Small Tools	4.0%	\$13	\$14	\$14	\$15	\$15	\$16	\$16	\$17	\$18	\$18	\$19
STD/LTD/Life	4.0%	\$8	\$8	\$265	\$275	\$286	\$298	\$310	\$322	\$335	\$348	\$362
Supplies & Expenses	4.0%	\$3,809	\$3,961	\$4,120	\$4,284	\$4,456	\$4,634	\$4,819	\$5,012	\$5,213	\$5,421	\$5,638
System Repairs & Maintenance	4.0%	\$4,417	\$4,594	\$4,778	\$4,969	\$5,168	\$5,374	\$5,589	\$5,813	\$6,045	\$6,287	\$6,539
Trainings & Seminars	4.0%	\$109	\$113	\$3,714	\$3,863	\$4,017	\$4,178	\$4,345	\$4,519	\$4,699	\$4,887	\$5,083
Travel	4.0%	\$0	\$0	\$2,600	\$2,704	\$2,812	\$2,925	\$3,042	\$3,163	\$3,290	\$3,421	\$3,558
Vehicle Repairs & Maintenance	4.0%	\$163	\$170	\$176	\$183	\$191	\$198	\$206	\$215	\$223	\$232	\$241
Vision insurance	4.0%	\$1	\$1	\$35	\$37	\$38	\$40	\$41	\$43	\$45	\$47	\$48
Reimbursement of Fees to County	0.0%	\$102,000	\$76,639	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment by City	4.0%	\$0	\$0	\$20,000	\$20,800	\$21,632	\$22,497	\$23,397	\$24,333	\$25,306	\$26,319	\$27,371
Temporary Non-payment to Replacement Fund	0.0%	-\$36,260	-\$36,260	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Annual Payment to Replacement Fund (Table 17)	0.0%	\$36,260	\$36,260	\$36,260	\$36,260	\$36,260	\$36,260	\$36,260	\$36,260	\$36,260	\$36,260	\$36,260
User Charge Analysis Services	5.0%	\$0	\$7,452	\$0	\$0	\$8,216	\$0	\$0	\$9,058	\$0	\$0	\$9,986
CIP Spending Plan	N.A.	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4	Table 4
Total Operating Costs		\$216,047	\$183,356	\$212,728	\$219,764	\$235,297	\$234,691	\$242,605	\$259,893	\$259,395	\$268,297	\$287,542
Net Income (or Loss)		\$251,873	\$309,772	\$342,371	\$377,395	\$390,523	\$421,016	\$1,285,407	\$611,242	\$619,016	\$641,556	\$654,900
Working Capital Goal: 35%	In Dollars, That is:	\$75,616	\$64,174	\$74,455	\$76,917	\$82,354	\$82,142	\$84,912	\$90,963	\$90,788	\$93,904	\$100,640

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 4 - Capital Improvement Program

This table depicts capital improvements and their funding. Costs reflect inflation.

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	Starting	This Year	Next Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year
	7/1/14	7/1/15	7/1/16	7/1/17	7/1/18	7/1/19	7/1/20	7/1/21	7/1/22	7/1/23	7/1/24
<b>CIP Spending Plan</b>											
(The portion of improvements that will be funded with loans are shown in this section. The balance of each of these improvements will be funded with grants and/or utility reserves. That is shown in the next section.)											
Capital Improvements to be Paid With Debt											
Colonias, SE Collection	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
USDA, SE Collection	\$0	\$0	\$0	\$0	\$0	\$1,800,000	\$0	\$0	\$0	\$0	\$0
Colonias, Lift Station & Force Main - DA Village	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Assumed Continuation of Current Level of CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,050,000	\$0	\$0
<b>Total Capital Improvements to be Paid With Debt</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$1,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,050,000</b>	<b>\$0</b>	<b>\$0</b>
(This section includes the grant and reserves-funded portion of each improvement project. The actual grant amounts expected are shown in the CIP Funding Plan section that follows.)											
Capital Improvements to be Paid With Cash											
Reserve Funds, Sewer Line - Picacho Hills Arroyo	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Reserve Funds, New Vehicles for Operations and Administration	\$0	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Assumed Continuation of Current Level of CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$375,000	\$0	\$0
<b>Total Cap Improvements to be Paid With Cash</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375,000</b>	<b>\$0</b>	<b>\$0</b>
<b>Total CIP Planned Spending</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$625,000</b>	<b>\$0</b>	<b>\$1,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,425,000</b>	<b>\$0</b>	<b>\$0</b>
<b>CIP Funding Plan</b>											
CIP and Debt Reserve Starting Balance	\$0	\$105,826	\$143,612	\$193,408	-\$87,460	-\$105,434	-\$87,807	\$685,225	\$804,001	\$565,339	\$599,934
Working Capital Transferred to CIP and Debt Reserve	\$392,428	\$321,214	\$332,090	\$374,933	\$385,087	\$421,228	\$1,282,637	\$605,191	\$619,191	\$638,440	\$648,165
CIP and Debt Reserve Interest Earned (or Paid)	\$0	\$3,175	\$4,308	\$5,802	-\$2,624	-\$3,163	-\$2,634	\$20,557	\$24,120	\$16,960	\$17,998
Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Loan Originated in 3rd Year				\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Loan Originated in 5th Year						\$1,800,000	\$0	\$0	\$0	\$0	\$0
Loan for Assumed Continuation of Current Level of CIP									\$2,050,000	\$0	\$0
<b>Total CIP Reserve and Income Sources</b>	<b>\$392,428</b>	<b>\$430,215</b>	<b>\$480,011</b>	<b>\$824,143</b>	<b>\$295,003</b>	<b>\$2,112,630</b>	<b>\$1,192,196</b>	<b>\$1,310,972</b>	<b>\$3,497,311</b>	<b>\$1,220,740</b>	<b>\$1,266,097</b>
<b>CIP Debt Payment Plan</b>											
NMED RIP 2013 -01, Picacho Hills Utility Company Asset Purchase**	\$25,369	\$25,369	\$25,369	\$25,369	\$25,369	\$25,369	\$25,369	\$25,369	\$25,369	\$25,369	\$25,369
NMED RIP 2014 -01, PHUC Asset Purchase & Water/Wastewater Upgrades*	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845
NMED RIP 00002, Water/Wastewater Upgrades*	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845	\$126,845
NMFA/WTB 55, W/WW Reclamation, Collection & Surface Water	\$975	\$975	\$975	\$975	\$975	\$975	\$975	\$975	\$975	\$975	\$975
NMFA/WTB105, Reclamation Design & Planning*	\$719	\$719	\$719	\$719	\$719	\$719	\$719	\$719	\$719	\$719	\$719
NMFA/WTB 83, W/WW Reclamation, Collection & Surface Water	\$5,851	\$5,851	\$5,851	\$5,851	\$5,851	\$5,851	\$5,851	\$5,851	\$5,851	\$5,851	\$5,851
Loan Originated in 3rd Year					\$113,834	\$113,834	\$113,834	\$113,834	\$113,834	\$113,834	\$113,834
Loan Originated in 5th Year							\$106,535	\$106,535	\$106,535	\$106,535	\$106,535
Loan for Assumed Continuation of Current Level of CIP										\$113,834	\$113,834
<b>Total Debt Payments</b>	<b>\$286,602</b>	<b>\$286,603</b>	<b>\$286,603</b>	<b>\$286,603</b>	<b>\$400,437</b>	<b>\$400,437</b>	<b>\$506,972</b>	<b>\$506,972</b>	<b>\$506,972</b>	<b>\$620,806</b>	<b>\$620,806</b>
<b>CIP Spending Net of Grant/Loan Proceeds and Other External Incomes</b>	<b>\$0</b>	<b>\$286,603</b>	<b>\$286,603</b>	<b>\$661,603</b>	<b>\$400,437</b>	<b>\$400,437</b>	<b>\$506,972</b>	<b>\$506,972</b>	<b>\$881,972</b>	<b>\$620,806</b>	<b>\$620,806</b>
<b>CIP and Debt Reserve Ending Balance</b>	<b>\$105,826</b>	<b>\$143,612</b>	<b>\$193,408</b>	<b>-\$87,460</b>	<b>-\$105,434</b>	<b>-\$87,807</b>	<b>\$685,225</b>	<b>\$804,001</b>	<b>\$565,339</b>	<b>\$599,934</b>	<b>\$645,291</b>

Notes: The district has several expensive collection system improvements to make. Some of these expenses will be funded with reserves, some with loans.

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 5 - Capacity Cost Recovery

This table shows tap and capacity fee revenues and costs to expect. From these costs, tap fees and capacity demand charges will be developed in Table 5 and Table 8, respectively.

(First year figures are actual, subsequent years are projected.)

	Infla./De- flation (-) Factor	Year Starting 7/1/14	Year Starting 7/1/15	Year Starting 7/1/16	Year Starting 7/1/17	Year Starting 7/1/18	Year Starting 7/1/19	Year Starting 7/1/20	Year Starting 7/1/21	Year Starting 7/1/22	Year Starting 7/1/23	Year Starting 7/1/24
<b>Tap Fee Revenues</b>												
Customers (Taps) Added During the Year		10	10	10	23	23	23	423	23	10	10	10
Weighted Average Fee per New Tap	3.0%	\$0	\$372	\$1,539	\$1,585	\$1,633	\$1,682	\$1,732	\$1,784	\$1,838	\$1,893	\$1,950
Total Tap Fee Revenues	N.A.	\$0	\$3,716	\$15,393	\$36,465	\$37,559	\$38,686	\$732,824	\$41,042	\$18,379	\$18,931	\$19,499

#### Operating Costs Associated With Making New Connections

Field Costs for New Connections	4.0%	\$10,500	\$10,920	\$11,357	\$27,165	\$28,252	\$29,382	\$561,991	\$31,780	\$14,370	\$14,945	\$15,543
Administration Costs	4.0%	\$500	\$520	\$541	\$1,294	\$1,345	\$1,399	\$26,761	\$1,513	\$684	\$712	\$740
Total Direct Costs for New Connections		\$11,000	\$11,440	\$11,898	\$28,459	\$29,597	\$30,781	\$588,753	\$33,293	\$15,054	\$15,656	\$16,283

Note: These costs should be recovered by fees charged for making new taps (usually called, "tap fees") regardless of the demand capacity (commonly meter size) of each new tap made.

#### Net Tap Fee Revenues

Revenues Net of Operating Costs		-\$11,000	-\$7,724	\$3,495	\$8,006	\$7,961	\$7,904	\$144,071	\$7,749	\$3,325	\$3,274	\$3,216
Cum Rev Net of Operating Costs		-\$11,000	-\$18,724	-\$15,229	-\$7,224	\$738	\$8,642	\$152,713	\$160,461	\$163,787	\$167,061	\$170,277

Note: Connection charges should almost always cover at least the operating costs to make connections. Thus, cumulative revenues net of operating costs (immediately above) should be positive. If they are negative, you are subsidizing new taps.

#### Annualized Capacity Cost (Depreciation)

	Total Fixed Assets Book Value	% of Total Attributable to Capacity	Capacity Cost	Annualized Capacity Cost (see Note)
	\$959,945	50.0%	\$479,973	\$27,972
Totals	\$959,945	50.0%	\$479,973	\$27,972

#### Capital Costs Attributable to Growth and Capacity Development (Debt Service, Cash-paid Capital Improvements and/or Depreciation)

	% of CIP Attributable to Capacity
Target % to Recover From Tap Fees	72.0%
Target % to Recover From Capacity Charges	28.0%

Note: Capacity and connection costs WILL be recovered in one way by default, or a combination of ways by design: through regular user fees, in which case existing customers pay the costs to bring on new customers; through "tap" or connection fees, in which case new customers pay "up front" for the costs they cause the system to incur; through on-going demand or capacity charges, preferably based upon meter or connection size, in which case all customers pay for the capacity costs they cause over time; or some combination of these.

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

This table depicts the affordability of future rates, the financial health of the system and the ending balances in various accounts for the test year and the next 10 years.

	Year Starting 7/1/14	Year Starting 7/1/15	Year Starting 7/1/16	Year Starting 7/1/17	Year Starting 7/1/18	Year Starting 7/1/19	Year Starting 7/1/20	Year Starting 7/1/21	Year Starting 7/1/22	Year Starting 7/1/23	Year Starting 7/1/24	
<b>Capacity Indicators</b>												
Equivalent Final Monthly Bill for a 5,000 gal per Month Residential User Owning 1 Share of Stock	\$33.37	\$37.64	\$38.77	\$39.93	\$41.13	\$42.37	\$43.64	\$44.95	\$46.29	\$47.68	\$49.11	
Annual Median Household Income (AMHI)	\$29,487	\$29,669	\$29,853	\$30,038	\$30,224	\$30,410	\$30,599	\$30,788	\$30,978	\$31,170	\$31,363	
Affordability Index: Current Rates First Column, Then Proposed Rates	1.36%	1.52%	1.56%	1.60%	1.63%	1.67%	1.71%	1.75%	1.79%	1.84%	1.88%	
Affordability Index is the percent of AMHI needed by a 5,000 gallon per month residential user to pay their bill. Rates near 1.0% are common in the U.S. and are generally considered affordable. Federal grant agencies generally will not consider awarding grants if this indicator is less than 2.0%. The above index is only for a 1 share customers but it should be fairly representative of all residential customers.												
Estimated Operating Ratio: Current Rates First Column, Then Proposed Rates	2.00	1.99	1.98	1.32	0.96	0.99	0.98	3.96	1.33	3.45	3.41	
1.0 is break even for Operating Ratio. Below 1.0 indicates operating in the "red." Generally, the operating ratio should be at least 1.15 for large systems, 1.30 or more for medium systems and perhaps as high as 2.0 for small systems.												
Estimated Coverage Ratio: Current Rates First Column, Then Proposed Rates	1.63	1.72	1.93	0.96	0.94	0.99	2.52	2.77	2.29	2.12	2.20	
Coverage Ratio applies only to years with debt service. 1.0 is break even. Generally, the coverage ratio should be at least 1.25.												
<b>Reserves</b>												
	Balance Ending on 6/30/14	Balance Ending on 6/30/15	Balance Ending on 6/30/16	Balance Ending on 6/30/17	Balance Ending on 6/30/18	Balance Ending on 6/30/19	Balance Ending on 6/30/20	Balance Ending on 6/30/21	Balance Ending on 6/30/22	Balance Ending on 6/30/23	Balance Ending on 6/30/24	Balance Ending on 6/30/25
Current Position (Working Capital)	\$216,172	\$75,616	\$64,174	\$74,455	\$76,917	\$82,354	\$82,142	\$84,912	\$90,963	\$90,788	\$93,904	\$100,640
CIP and Debt Reserve	\$0	\$105,826	\$143,612	\$193,408	-\$87,460	-\$105,434	-\$87,807	\$685,225	\$804,001	\$565,339	\$599,934	\$645,291
Meter Deposits (Assets and Liabilities Balance)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cash Assets (Excluding Dedicated Reserves) Before Inflation	\$216,172	\$181,442	\$207,787	\$267,863	-\$10,543	-\$23,080	-\$5,665	\$770,136	\$894,963	\$656,128	\$693,838	\$745,930
Total Cash Assets (Excluding Dedicated Reserves) Discounted for Inflation (Future Unrestricted Purchasing Power)	\$216,172	\$181,442	\$207,787	\$262,506	-\$10,978	-\$24,523	-\$6,142	\$696,142	\$792,796	\$569,601	\$590,292	\$621,918
Replacement Fund	\$0	\$0	\$7,152	\$13,937	\$20,332	\$26,313	\$31,855	\$36,934	\$41,522	\$45,592	\$49,116	\$52,064
Sum of All Reserves	\$216,172	\$181,442	\$214,939	\$281,800	\$9,789	\$3,232	\$26,190	\$807,070	\$936,485	\$701,720	\$742,954	\$797,994

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 7 - Bill Comparisons Before and After Rate Adjustments

This table compares bills for various volumes at the current rates and billing frequency with what the same volumes would cost at the equivalent modeled rates for that same billing frequency. (An "apples to apples" comparison.) Minimum charge surcharges were calculated for these same classes of users and these bills include those surcharges. Bills for customers owning more than 7 shares of stock are not shown simply because there are few such customers and they are spread over several rate classes, which would make this table very cumbersome.

Note: The weighted-average bill increase for all customers combined will be: 13.1%

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
0.625	0	999	43	43	\$12.65	\$15.47	\$2.82	22%
	1,000	1,999	28	71	\$15.75	\$18.79	\$3.04	19%
	2,000	2,999	38	109	\$18.85	\$22.10	\$3.25	17%
	3,000	3,999	55	164	\$21.95	\$25.42	\$3.47	16%
	4,000	4,999	51	215	\$25.05	\$28.74	\$3.69	15%
	5,000	5,999	37	252	\$28.15	\$32.05	\$3.90	14%
	6,000	6,999	31	282	\$31.25	\$35.37	\$4.12	13%
	7,000	7,999	24	306	\$34.35	\$38.69	\$4.34	13%
	8,000	8,999	12	318	\$37.45	\$42.00	\$4.55	12%
	9,000	9,999	9	327	\$40.55	\$45.32	\$4.77	12%
	10,000	14,999	21	348	\$43.65	\$48.64	\$4.99	11%
	15,000	19,999	5	353	\$59.15	\$65.22	\$6.07	10%
	20,000	29,999	1	354	\$74.65	\$81.81	\$7.16	10%
	30,000	39,999	0	354	\$105.65	\$114.98	\$9.33	9%
	40,000	49,999	0	354	\$136.65	\$148.15	\$11.50	8%
	50,000	59,999	0	354	\$167.65	\$181.32	\$13.67	8%
	60,000	69,999	0	354	\$198.65	\$214.49	\$15.84	8%
	70,000	79,999	0	354	\$229.65	\$247.66	\$18.01	8%
	80,000	89,999	0	354	\$260.65	\$280.83	\$20.18	8%
	90,000	99,999	0	354	\$291.65	\$314.00	\$22.35	8%
100,000	109,999	0	354	\$322.65	\$347.17	\$24.52	8%	
110,000	119,999	0	354	\$353.65	\$380.34	\$26.69	8%	
120,000	129,999	0	354	\$384.65	\$413.51	\$28.86	8%	
130,000	139,999	0	354	\$415.65	\$446.68	\$31.03	7%	
140,000	149,999	0	354	\$446.65	\$479.85	\$33.20	7%	
150,000	159,999	0	354	\$477.65	\$513.02	\$35.37	7%	
160,000	99,999,999	0	354	\$508.65	\$546.19	\$37.54	7%	
0.750	0	999	106	106	\$12.65	\$15.47	\$2.82	22%
	1,000	1,999	46	152	\$15.75	\$18.79	\$3.04	19%
	2,000	2,999	71	223	\$18.85	\$22.10	\$3.25	17%
	3,000	3,999	91	313	\$21.95	\$25.42	\$3.47	16%
	4,000	4,999	91	404	\$25.05	\$28.74	\$3.69	15%
	5,000	5,999	76	480	\$28.15	\$32.05	\$3.90	14%
	6,000	6,999	55	535	\$31.25	\$35.37	\$4.12	13%
	7,000	7,999	53	588	\$34.35	\$38.69	\$4.34	13%
	8,000	8,999	32	620	\$37.45	\$42.00	\$4.55	12%
	9,000	9,999	31	651	\$40.55	\$45.32	\$4.77	12%
	10,000	14,999	81	733	\$43.65	\$48.64	\$4.99	11%
	15,000	19,999	31	763	\$59.15	\$65.22	\$6.07	10%
	20,000	29,999	20	784	\$74.65	\$81.81	\$7.16	10%
	30,000	39,999	6	790	\$105.65	\$114.98	\$9.33	9%
	40,000	49,999	1	791	\$136.65	\$148.15	\$11.50	8%
	50,000	59,999	2	793	\$167.65	\$181.32	\$13.67	8%
	60,000	69,999	0	793	\$198.65	\$214.49	\$15.84	8%
	70,000	79,999	0	793	\$229.65	\$247.66	\$18.01	8%
	80,000	89,999	0	793	\$260.65	\$280.83	\$20.18	8%
	90,000	99,999	0	793	\$291.65	\$314.00	\$22.35	8%
100,000	109,999	0	793	\$322.65	\$347.17	\$24.52	8%	
110,000	119,999	0	793	\$353.65	\$380.34	\$26.69	8%	
120,000	129,999	0	793	\$384.65	\$413.51	\$28.86	8%	
130,000	139,999	0	793	\$415.65	\$446.68	\$31.03	7%	
140,000	149,999	0	793	\$446.65	\$479.85	\$33.20	7%	
150,000	159,999	0	793	\$477.65	\$513.02	\$35.37	7%	
160,000	99,999,999	1	793	\$508.65	\$546.19	\$37.54	7%	

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
1.000	0	999	0	0	\$12.65	\$16.05	\$3.40	27%
	1,000	1,999	0	0	\$15.75	\$19.37	\$3.62	23%
	2,000	2,999	0	1	\$18.85	\$22.69	\$3.84	20%
	3,000	3,999	1	2	\$21.95	\$26.01	\$4.06	18%
	4,000	4,999	1	3	\$25.05	\$29.32	\$4.27	17%
	5,000	5,999	0	3	\$28.15	\$32.64	\$4.49	16%
	6,000	6,999	0	3	\$31.25	\$35.96	\$4.71	15%
	7,000	7,999	1	4	\$34.35	\$39.27	\$4.92	14%
	8,000	8,999	0	4	\$37.45	\$42.59	\$5.14	14%
	9,000	9,999	0	4	\$40.55	\$45.91	\$5.36	13%
	10,000	14,999	1	6	\$43.65	\$49.22	\$5.57	13%
	15,000	19,999	1	6	\$59.15	\$65.81	\$6.66	11%
	20,000	29,999	0	6	\$74.65	\$82.39	\$7.74	10%
	30,000	39,999	0	7	\$105.65	\$115.56	\$9.91	9%
	40,000	49,999	1	7	\$136.65	\$148.73	\$12.08	9%
	50,000	59,999	0	7	\$167.65	\$181.90	\$14.25	9%
	60,000	69,999	0	7	\$198.65	\$215.07	\$16.42	8%
	70,000	79,999	0	8	\$229.65	\$248.24	\$18.59	8%
	80,000	89,999	0	8	\$260.65	\$281.41	\$20.76	8%
	90,000	99,999	0	8	\$291.65	\$314.58	\$22.93	8%
100,000	109,999	0	8	\$322.65	\$347.75	\$25.10	8%	
110,000	119,999	0	8	\$353.65	\$380.92	\$27.27	8%	
120,000	129,999	0	8	\$384.65	\$414.09	\$29.44	8%	
130,000	139,999	0	8	\$415.65	\$447.26	\$31.61	8%	
140,000	149,999	0	8	\$446.65	\$480.43	\$33.78	8%	
150,000	159,999	0	8	\$477.65	\$513.60	\$35.95	8%	
160,000	99,999,999	0	8	\$508.65	\$546.77	\$38.12	7%	
2.000	0	999	1	1	\$12.65	\$21.33	\$8.68	69%
	1,000	1,999	0	1	\$15.75	\$24.64	\$8.89	56%
	2,000	2,999	0	1	\$18.85	\$27.96	\$9.11	48%
	3,000	3,999	0	1	\$21.95	\$31.28	\$9.33	42%
	4,000	4,999	0	2	\$25.05	\$34.60	\$9.55	38%
	5,000	5,999	0	2	\$28.15	\$37.91	\$9.76	35%
	6,000	6,999	0	2	\$31.25	\$41.23	\$9.98	32%
	7,000	7,999	0	2	\$34.35	\$44.55	\$10.20	30%
	8,000	8,999	0	2	\$37.45	\$47.86	\$10.41	28%
	9,000	9,999	0	2	\$40.55	\$51.18	\$10.63	26%
	10,000	14,999	0	3	\$43.65	\$54.50	\$10.85	25%
	15,000	19,999	0	3	\$59.15	\$71.08	\$11.93	20%
	20,000	29,999	1	4	\$74.65	\$87.67	\$13.02	17%
	30,000	39,999	1	5	\$105.65	\$120.84	\$15.19	14%
	40,000	49,999	1	6	\$136.65	\$154.01	\$17.36	13%
	50,000	59,999	0	6	\$167.65	\$187.18	\$19.53	12%
	60,000	69,999	0	6	\$198.65	\$220.35	\$21.70	11%
	70,000	79,999	0	6	\$229.65	\$253.52	\$23.87	10%
	80,000	89,999	0	6	\$260.65	\$286.69	\$26.04	10%
	90,000	99,999	0	6	\$291.65	\$319.86	\$28.21	10%
100,000	109,999	0	6	\$322.65	\$353.03	\$30.38	9%	
110,000	119,999	0	6	\$353.65	\$386.20	\$32.55	9%	
120,000	129,999	0	6	\$384.65	\$419.37	\$34.72	9%	
130,000	139,999	0	6	\$415.65	\$452.54	\$36.89	9%	
140,000	149,999	0	6	\$446.65	\$485.71	\$39.06	9%	
150,000	159,999	0	6	\$477.65	\$518.88	\$41.23	9%	
160,000	99,999,999	0	6	\$508.65	\$552.05	\$43.40	9%	



## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 7 - Bill Comparisons Before and After Rate Adjustments

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	Cumulative Customers Through Each Volume Range	Current Bill for Volume at Bottom of This Range	Modeled Bill for Volume at Bottom of This Range	Bill Increase or Decrease (-) After Rate Adjustment	Percent Increase or Decrease (-) After Rate Adjustment
No Meter Size	0	999	7	7	\$12.65	\$15.47	\$2.82	22%
	1,000	1,999	0	7	\$15.75	\$18.79	\$3.04	19%
	2,000	2,999	0	7	\$18.85	\$22.10	\$3.25	17%
	3,000	3,999	0	7	\$21.95	\$25.42	\$3.47	16%
	4,000	4,999	0	7	\$25.05	\$28.74	\$3.69	15%
	5,000	5,999	0	7	\$28.15	\$32.05	\$3.90	14%
	6,000	6,999	0	7	\$31.25	\$35.37	\$4.12	13%
	7,000	7,999	0	7	\$34.35	\$38.69	\$4.34	13%
	8,000	8,999	0	7	\$37.45	\$42.00	\$4.55	12%
	9,000	9,999	0	7	\$40.55	\$45.32	\$4.77	12%
	10,000	14,999	0	7	\$43.65	\$48.64	\$4.99	11%
	15,000	19,999	0	7	\$59.15	\$65.22	\$6.07	10%
	20,000	29,999	0	7	\$74.65	\$81.81	\$7.16	10%
	30,000	39,999	0	7	\$105.65	\$114.98	\$9.33	9%
	40,000	49,999	0	7	\$136.65	\$148.15	\$11.50	8%
	50,000	59,999	0	7	\$167.65	\$181.32	\$13.67	8%
	60,000	69,999	0	7	\$198.65	\$214.49	\$15.84	8%
	70,000	79,999	0	7	\$229.65	\$247.66	\$18.01	8%
	80,000	89,999	0	7	\$260.65	\$280.83	\$20.18	8%
	90,000	99,999	0	7	\$291.65	\$314.00	\$22.35	8%
100,000	109,999	0	7	\$322.65	\$347.17	\$24.52	8%	
110,000	119,999	0	7	\$353.65	\$380.34	\$26.69	8%	
120,000	129,999	0	7	\$384.65	\$413.51	\$28.86	8%	
130,000	139,999	0	7	\$415.65	\$446.68	\$31.03	7%	
140,000	149,999	0	7	\$446.65	\$479.85	\$33.20	7%	
150,000	159,999	0	7	\$477.65	\$513.02	\$35.37	7%	
160,000	99,999,999	0	7	\$508.65	\$546.19	\$37.54	7%	

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 8 - User Statistics

This table shows measures of equitability of the rates as modeled in Table 11.

If your rates are absolutely proportional to use on a volumetric basis, your % of usage and % of revenues figures will be the same within all the classes. That is not possible if you have any minimum charge and having no minimum charge is almost unheard of.

Normally, the % of usage figure will be lower than the % of revenue for the lower volumes of use. That will switch for the higher volumes of use. Even for declining rate structures, this switch should occur near the volume of the average residential user, typically near 5,000 gallons/month (668 cu ft).

In urban and suburban areas the average monthly use for residential or general customers can be twice that used by their rural and "old town" counterparts. Use is largely dependent upon who lives in a community. Older people living in longer established neighborhoods tend to use less volume than younger people living in more recently developed areas. As you make comparisons between different customers and customer classes, keep that, and the following in mind:

**4,829** in 1,000 Gallons Billable units - This is the average residential customer's usage per Monthly billing cycle.

Usage allowance is the volume "given away" with the minimum charge. The higher the allowance, the less volume the utility can sell to generate income.

**88,948,933** in 1,000 Gallons Billable units - This is the volume metered through customer meters that was available to be sold by the utility during the test year.

**0** in 1,000 Gallons Billable units - This is the volume metered through customer meters that was given away as a usage allowance during the test year.

**\$0** At the unit charge rate in effect during the test year, this was what it cost the utility to give away this volume.

**\$0** At the unit charge rates modeled, this is what the current usage allowance (if any is included in the modeled rates) would cost the utility for a full year.

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
0.625	0	999	0.910	3,867,474	43	3.7%	4.3%	18.8%	100.0%	4.1%	4.1%
	1,000	1,999	0.960	3,585,136	28	2.4%	4.0%	36.3%	81.2%	3.4%	3.3%
	2,000	2,999	0.933	3,173,707	38	3.3%	3.6%	51.8%	63.7%	3.5%	3.4%
	3,000	3,999	0.885	2,601,708	55	4.7%	2.9%	64.4%	48.2%	3.6%	3.7%
	4,000	4,999	0.873	1,993,108	51	4.3%	2.2%	74.2%	35.6%	3.1%	3.1%
	5,000	5,999	0.861	1,443,239	37	3.2%	1.6%	81.2%	25.8%	2.2%	2.3%
	6,000	6,999	0.857	1,056,723	31	2.6%	1.2%	86.3%	18.8%	1.7%	1.8%
	7,000	7,999	0.815	705,428	24	2.1%	0.8%	89.8%	13.7%	1.3%	1.3%
	8,000	8,999	0.876	502,992	12	1.0%	0.6%	92.2%	10.2%	0.7%	0.8%
	9,000	9,999	0.856	368,160	9	0.7%	0.4%	94.0%	7.8%	0.5%	0.6%
	10,000	14,999	2.558	833,867	21	1.8%	0.9%	98.1%	6.0%	1.3%	1.3%
	15,000	19,999	3.219	238,196	5	0.4%	0.3%	99.2%	1.9%	0.3%	0.3%
	20,000	29,999	5.355	96,384	1	0.1%	0.1%	99.7%	0.8%	0.1%	0.1%
	30,000	39,999	10.000	20,000	0	0.0%	0.0%	99.8%	0.3%	0.0%	0.0%
	40,000	49,999	10.000	20,000	0	0.0%	0.0%	99.9%	0.2%	0.0%	0.0%
	50,000	59,999	9.955	19,910	0	0.0%	0.0%	100.0%	0.1%	0.0%	0.0%
	60,000	69,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
Totals for Class				20,526,032	354	30.3%	23.1%			25.9%	26.1%
0.750	0	999	0.878	8,359,395	106	9.1%	9.4%	12.8%	100.0%	9.3%	9.3%
	1,000	1,999	0.970	7,997,171	46	4.0%	9.0%	25.1%	87.2%	7.0%	6.9%
	2,000	2,999	0.950	7,306,356	71	6.0%	8.2%	36.3%	74.9%	7.4%	7.3%
	3,000	3,999	0.922	6,309,063	91	7.8%	7.1%	46.0%	63.7%	7.4%	7.4%
	4,000	4,999	0.904	5,204,620	91	7.8%	5.9%	54.0%	54.0%	6.6%	6.7%
	5,000	5,999	0.905	4,224,772	76	6.5%	4.7%	60.5%	46.0%	5.4%	5.5%
	6,000	6,999	0.913	3,430,579	55	4.7%	3.9%	65.7%	39.5%	4.2%	4.2%
	7,000	7,999	0.890	2,753,836	53	4.6%	3.1%	70.0%	34.3%	3.7%	3.7%
	8,000	8,999	0.907	2,228,957	32	2.7%	2.5%	73.4%	30.0%	2.6%	2.6%
	9,000	9,999	0.913	1,893,683	31	2.7%	2.1%	76.3%	26.6%	2.3%	2.4%
	10,000	14,999	3.309	5,622,266	81	6.9%	6.3%	84.9%	23.7%	6.6%	6.6%
	15,000	19,999	3.515	2,551,753	31	2.6%	2.9%	88.8%	15.1%	2.8%	2.8%
	20,000	29,999	5.708	2,032,072	20	1.7%	2.3%	92.0%	11.2%	2.1%	2.1%
	30,000	39,999	6.534	731,854	6	0.5%	0.8%	93.1%	8.0%	0.7%	0.7%
	40,000	49,999	8.460	313,024	1	0.1%	0.4%	93.6%	6.9%	0.2%	0.2%
	50,000	59,999	3.790	94,748	2	0.1%	0.1%	93.7%	6.4%	0.1%	0.1%
	60,000	69,999	10.000	60,000	0	0.0%	0.1%	93.8%	6.3%	0.0%	0.0%
	70,000	79,999	10.000	60,000	0	0.0%	0.1%	93.9%	6.2%	0.0%	0.0%
	80,000	89,999	10.000	60,000	0	0.0%	0.1%	94.0%	6.1%	0.0%	0.0%
90,000	99,999	10.000	60,000	0	0.0%	0.1%	94.1%	6.0%	0.0%	0.0%	
100,000	109,999	10.000	60,000	0	0.0%	0.1%	94.2%	5.9%	0.0%	0.0%	
110,000	119,999	10.000	60,000	0	0.0%	0.1%	94.3%	5.8%	0.0%	0.0%	
120,000	129,999	10.000	60,000	0	0.0%	0.1%	94.4%	5.7%	0.0%	0.0%	
130,000	139,999	10.000	60,000	0	0.0%	0.1%	94.4%	5.6%	0.0%	0.0%	
140,000	149,999	10.000	60,000	0	0.0%	0.1%	94.5%	5.6%	0.0%	0.0%	
150,000	159,999	10.000	60,000	0	0.0%	0.1%	94.6%	5.5%	0.0%	0.0%	
160,000	99,999,999	583.010	3,498,060	1	0.0%	3.9%	100.0%	5.4%	2.4%	2.3%	
Totals for Class				65,152,209	793	67.9%	73.2%			71.2%	70.9%

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 8 - User Statistics

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range		% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
1.000	0	999	0.978	89,960	0	0.0%	0.1%	6.5%	100.0%	0.1%	0.1%	
	1,000	1,999	0.992	88,324	0	0.0%	0.1%	12.8%	93.5%	0.1%	0.1%	
	2,000	2,999	0.981	85,331	0	0.0%	0.1%	19.0%	87.2%	0.1%	0.1%	
	3,000	3,999	0.944	77,400	1	0.1%	0.1%	24.5%	81.0%	0.1%	0.1%	
	4,000	4,999	0.939	65,746	1	0.1%	0.1%	29.2%	75.5%	0.1%	0.1%	
	5,000	5,999	1.000	61,000	0	0.0%	0.1%	33.6%	70.8%	0.0%	0.0%	
	6,000	6,999	0.974	59,391	0	0.0%	0.1%	37.9%	66.4%	0.0%	0.0%	
	7,000	7,999	0.803	47,391	1	0.1%	0.1%	41.3%	62.1%	0.1%	0.1%	
	8,000	8,999	0.969	41,686	0	0.0%	0.0%	44.3%	58.7%	0.0%	0.0%	
	9,000	9,999	0.955	39,164	0	0.0%	0.0%	47.1%	55.7%	0.0%	0.0%	
	10,000	14,999	3.658	142,677	1	0.1%	0.2%	57.4%	52.9%	0.1%	0.1%	
	15,000	19,999	4.347	104,338	1	0.0%	0.1%	64.9%	42.6%	0.1%	0.1%	
	20,000	29,999	9.525	171,452	0	0.0%	0.2%	77.2%	35.1%	0.1%	0.1%	
	30,000	39,999	8.670	130,048	0	0.0%	0.1%	86.5%	22.8%	0.1%	0.1%	
	40,000	49,999	6.785	74,638	1	0.0%	0.1%	91.9%	13.5%	0.1%	0.1%	
	50,000	59,999	9.790	48,950	0	0.0%	0.1%	95.4%	8.1%	0.0%	0.0%	
	60,000	69,999	9.638	38,550	0	0.0%	0.0%	98.2%	4.6%	0.0%	0.0%	
	70,000	79,999	8.333	25,000	0	0.0%	0.0%	100.0%	1.8%	0.0%	0.0%	
	80,000	89,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
	90,000	99,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	
100,000	109,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
110,000	119,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
Totals for Class				1,391,046	8	0.7%	1.6%			1.2%	1.2%	
2.000	0	999	0.951	72,257	1	0.1%	0.1%	3.8%	100.0%	0.1%	0.1%	
	1,000	1,999	0.984	59,996	0	0.0%	0.1%	7.0%	96.2%	0.0%	0.0%	
	2,000	2,999	1.000	59,000	0	0.0%	0.1%	10.2%	93.0%	0.0%	0.0%	
	3,000	3,999	1.000	59,000	0	0.0%	0.1%	13.3%	89.8%	0.0%	0.0%	
	4,000	4,999	0.993	58,570	0	0.0%	0.1%	16.4%	86.7%	0.0%	0.0%	
	5,000	5,999	0.969	55,229	0	0.0%	0.1%	19.4%	83.6%	0.0%	0.0%	
	6,000	6,999	0.994	53,695	0	0.0%	0.1%	22.2%	80.6%	0.0%	0.0%	
	7,000	7,999	0.960	50,898	0	0.0%	0.1%	24.9%	77.8%	0.0%	0.0%	
	8,000	8,999	0.974	48,714	0	0.0%	0.1%	27.5%	75.1%	0.0%	0.0%	
	9,000	9,999	1.000	48,000	0	0.0%	0.1%	30.1%	72.5%	0.0%	0.0%	
	10,000	14,999	4.652	223,290	0	0.0%	0.3%	42.0%	69.9%	0.2%	0.2%	
	15,000	19,999	4.879	209,783	0	0.0%	0.2%	53.1%	58.0%	0.1%	0.1%	
	20,000	29,999	8.421	345,268	1	0.1%	0.4%	71.5%	46.9%	0.3%	0.3%	
	30,000	39,999	6.859	178,345	1	0.1%	0.2%	81.0%	28.5%	0.2%	0.2%	
	40,000	49,999	7.278	101,889	1	0.0%	0.1%	86.4%	19.0%	0.1%	0.1%	
	50,000	59,999	7.961	63,688	0	0.0%	0.1%	89.8%	13.6%	0.0%	0.0%	
	60,000	69,999	7.894	47,364	0	0.0%	0.1%	92.3%	10.2%	0.0%	0.0%	
	70,000	79,999	10.000	40,000	0	0.0%	0.0%	94.4%	7.7%	0.0%	0.0%	
	80,000	89,999	9.192	36,768	0	0.0%	0.0%	96.4%	5.6%	0.0%	0.0%	
	90,000	99,999	10.000	30,000	0	0.0%	0.0%	98.0%	3.6%	0.0%	0.0%	
100,000	109,999	6.690	20,071	0	0.0%	0.0%	99.1%	2.0%	0.0%	0.0%		
110,000	119,999	8.911	17,821	0	0.0%	0.0%	100.0%	0.9%	0.0%	0.0%		
120,000	129,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
130,000	139,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
140,000	149,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
150,000	159,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
160,000	99,999,999	0.000	0	0	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%		
Totals for Class				1,879,646	6	0.5%	2.1%			1.5%	1.5%	

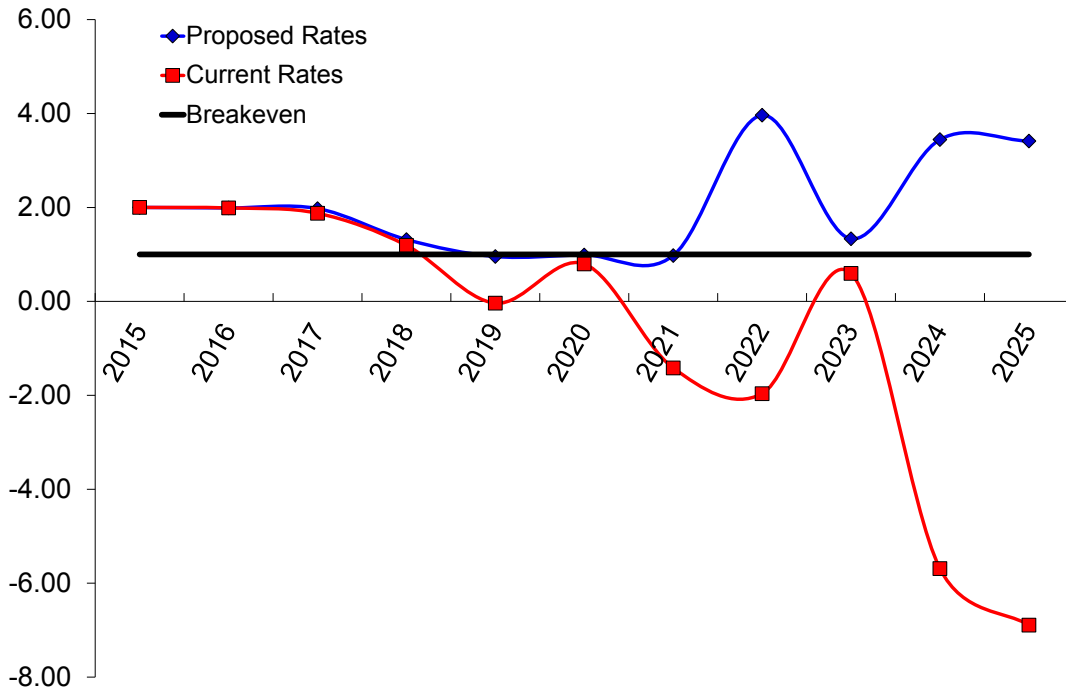
# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 8 - User Statistics

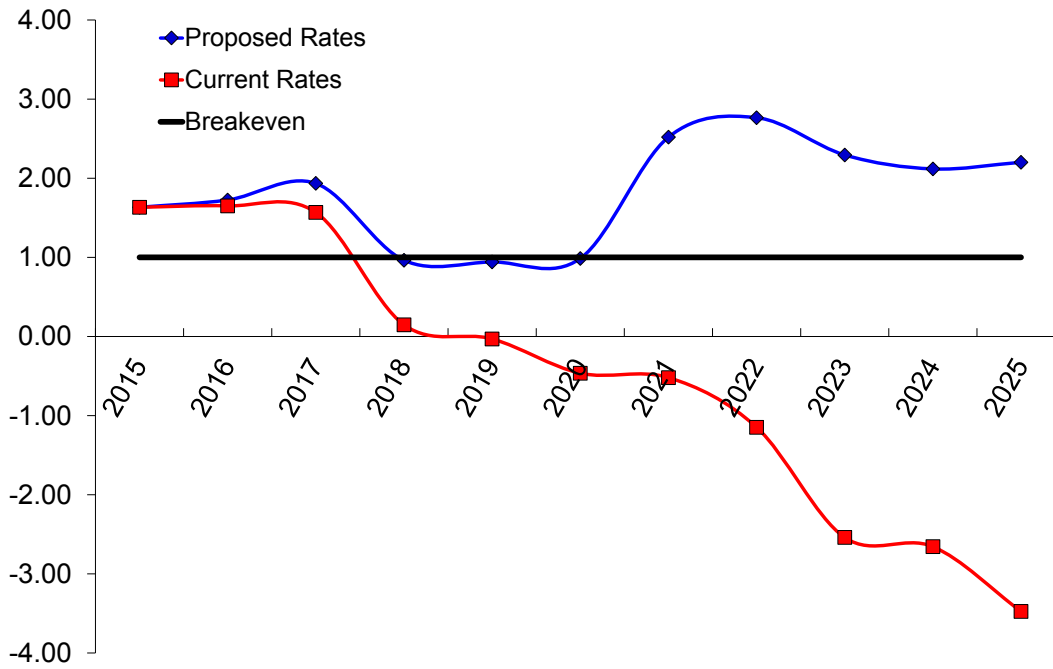
Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Average Volume Used Within Each Volume Range in 1,000 Gallons	Total Annual Use Within Each Volume Range in 1,000 Gallons	Number of Customers With Volume That "Maxed Out" Within Each Range	% Users	% Usage	Cumulative Use in This Class From Low Volume to High Volume	Cumulative Use in This Class From High Volume to Low Volume	% Revenue at Current Rates	% Revenue at Modeled Rates
No Meter Size	0	999	0.000	0	7	0.6%	0.0%	0.0%	100.0%	0.2%	0.2%
	1,000	1,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	2,000	2,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	3,000	3,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	4,000	4,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	5,000	5,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	6,000	6,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	7,000	7,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	8,000	8,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	9,000	9,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	10,000	14,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	15,000	19,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	20,000	29,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	30,000	39,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	40,000	49,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	50,000	59,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	60,000	69,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	70,000	79,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	80,000	89,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
	90,000	99,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%
100,000	109,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
110,000	119,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
120,000	129,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
130,000	139,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
140,000	149,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
150,000	159,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
160,000	99,999,999	0.000	0	0	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	
Totals for Class				0	7	0.6%	0.0%			0.2%	0.2%
Grand Totals				88,948,933		100.00%	100.00%			100.00%	100.00%

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Chart 1 - Operating Ratio

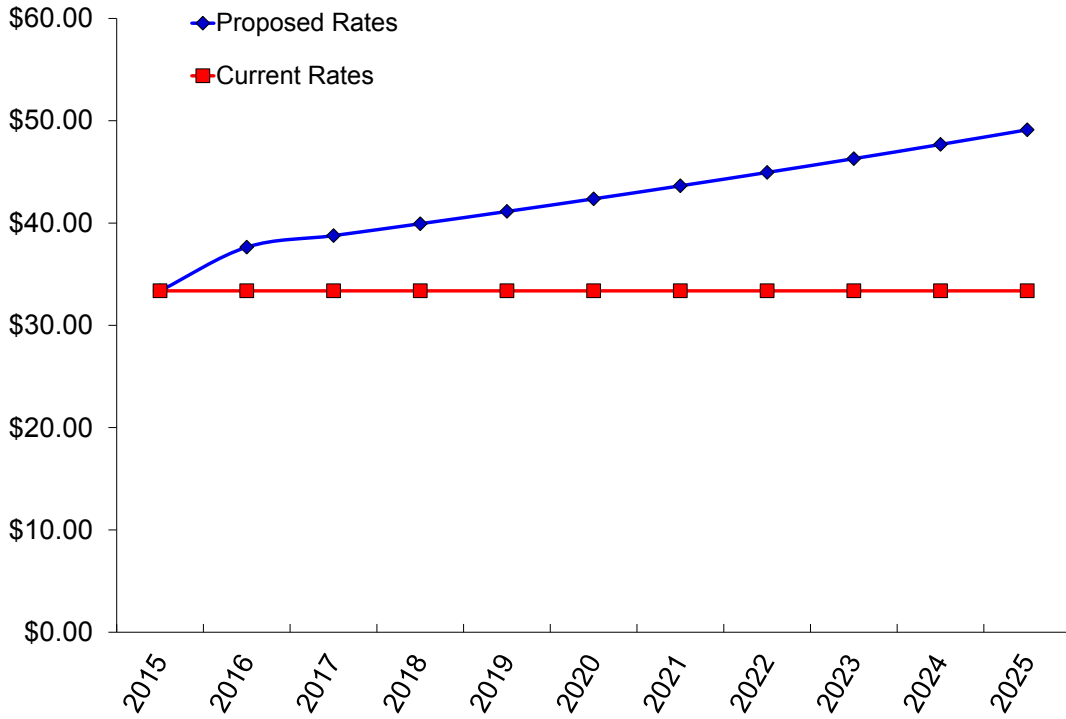


## Chart 2 - Coverage Ratio

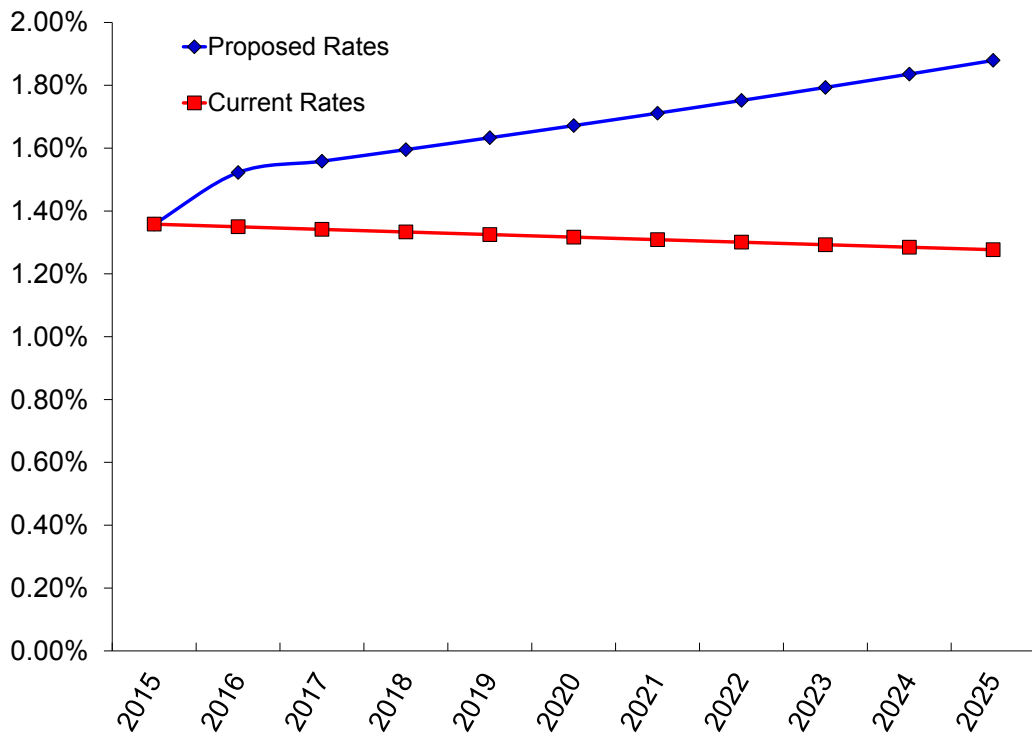


# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Chart 3 - 5,000 Gal Residential User's Bill

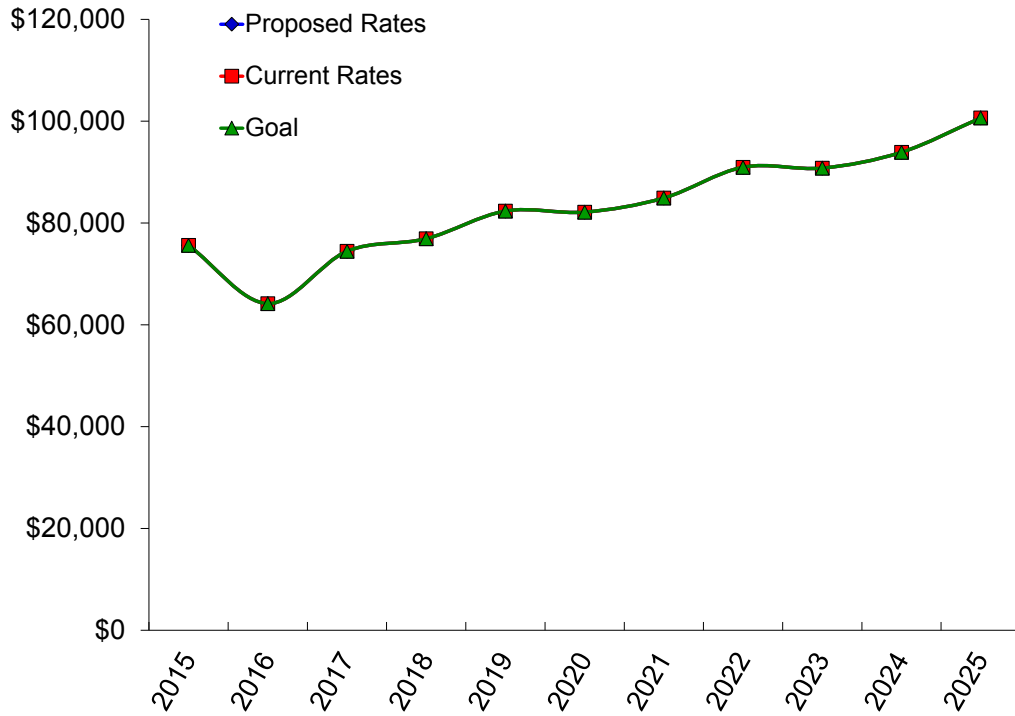


## Chart 4 - Affordability Index

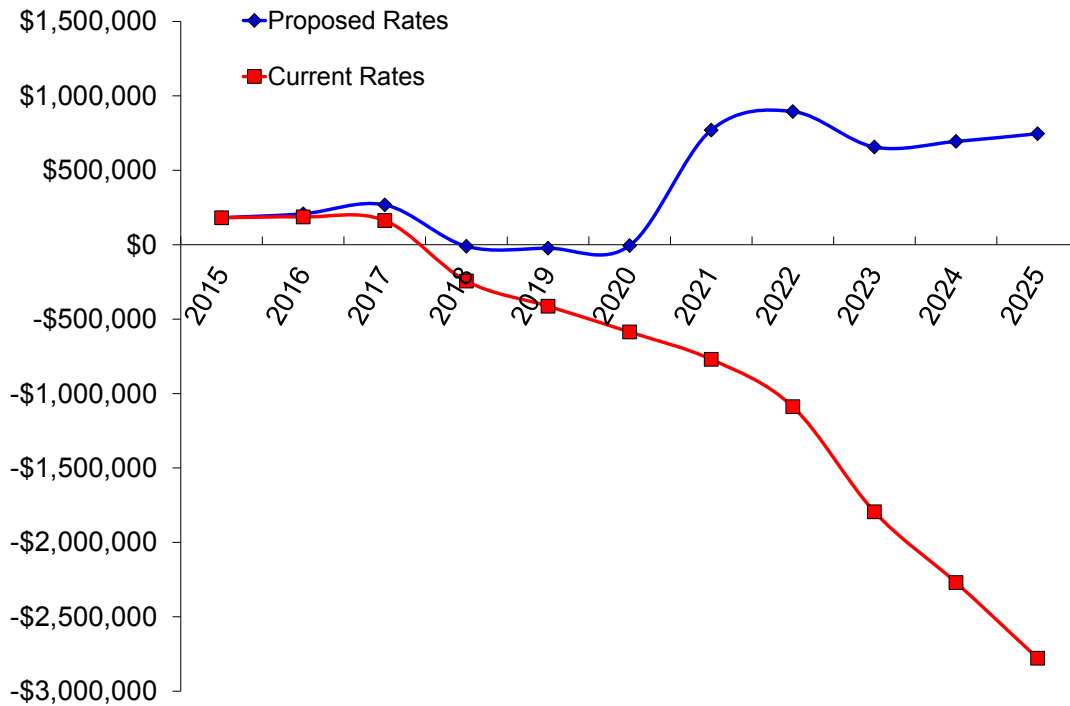


# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Chart 5 - Working Capital vs Goal

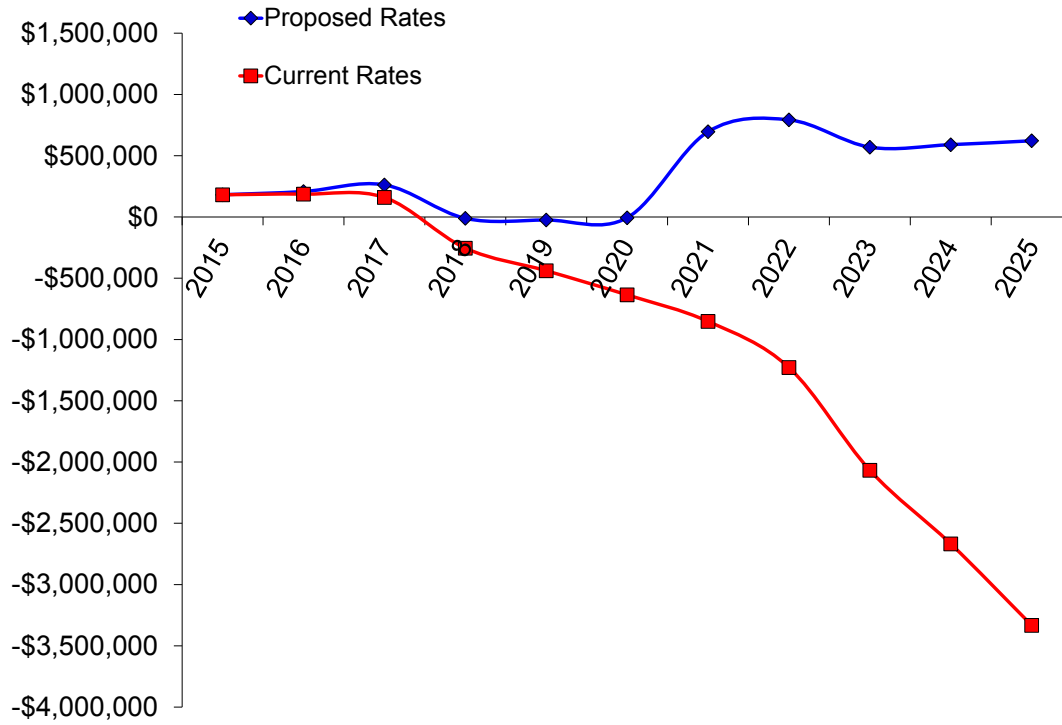


## Chart 6 - Value of Cash Assets Before Inflation



# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Chart 7 - Value of Cash Assets After Inflation





## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 9 - Meter-size Based Tap Fees

This table calculates tap fees to charge each meter size and total tap fee revenues that would be generated during one full year following initial adjustment. This table only covers meter size-based installation fees. Share purchase is not included in this calculation.

#### In-District Customers

Meter Size	Meter Size in Square Inches	Mix of New Taps in a Typical Year	AWWA Capacity Multiplier for Each Meter Size	Total AWWA Capacity "Shares" Attributable to Each Meter Size Group	AWWA-based Capacity Cost Each Meter Size	Economy of Scale Discount Rate	Out of District Surcharge Factor	Total New Tap Fees Each Meter Size	Full-year Tap Fee Income From Each Size Class
Five Eighths	0.31	3.1	1.0	3.1	\$1,408	100%	100%	\$1,408	\$4,351
Three Quarters	0.44	6.8	1.5	10.2	\$1,408	100%	100%	\$1,408	\$9,558
One Inch	0.79	0.1	2.5	0.2	\$3,519	88%	100%	\$3,097	\$203
One & a Half Inch	1.77	0.0	5.0	0.0	\$7,039	77%	100%	\$5,451	\$0
Two Inch	3.14	0.1	16.0	0.9	\$22,524	68%	100%	\$15,349	\$832
Three Inch	7.07	0.0	43.5	0.0	\$61,237	60%	100%	\$36,723	\$0
Four Inch	12.57	0.0	75.0	0.0	\$105,580	53%	100%	\$55,718	\$0
Six Inch	28.27	0.0	160.0	0.0	\$225,238	46%	100%	\$104,601	\$0
Eight Inch	50.27	0.0	280.0	0.0	\$394,166	41%	100%	\$161,086	\$0
Ten Inch	78.54	0.0	420.0	0.0	\$591,249	36%	100%	\$212,634	\$0
Twelve Inch	113.10	0.0	530.0	0.0	\$746,100	32%	100%	\$236,125	\$0
Total:		10.0		14.3		Projected Tap Fees for One Full Year Following Initial Adjustment			\$14,944
Economy of Scale Factor:	12.0%	Capacity Cost to Recover per AWWA Capacity Multiplier Unit:			\$1,408	Prorated Tap Fees to Collect This Year			\$3,716
(This amount is the full-year tap fee prorated to account for time of year when rates will be adjusted initially. This amount is included in Table 2 where it is called, "Meter-size Based Tap Fees.")									

#### Notes:

Because growth rates and meter sizes to be installed in future years cannot be predicted with certainty, tap fee revenues are also uncertain. However, the projections above are based upon historical growth and meter sizes so they should be reasonable estimates. Generally, tap fees should only be used to pay for capital improvements so there is usually time to make adjustments in fee levels.

Economy of Scale Discount Rate - Generally the cost of infrastructure to serve a customer does not go up as quickly as their capacity (meter size) goes up. That is called economy of scale. This value is an estimate of the economy of scale the system enjoys as meter size goes up. Generally this factor should be no more than about 7%.

In the interest of simplicity, 3/4 inch meters, which are usually residential meters, may have been calculated at the 5/8 inch meter capacity for tap fee calculation purposes.

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 10 - Capacity Charges Based on Meter Size

This table depicts minimum charges that are commensurate with the potential of each customer, based on their connection or meter size, to place flow demands on the system.

#### In-District Customers

Meter Size	Number Meters This Size	AWWA Capacity Multiplier for Each Meter Size	Total AWWA Capacity "Shares" Attributable to Each Meter Size Group	AWWA-based Annual Capacity Cost Each Meter Size	Capacity Charge per Meter per Billing Period	Economy of Scale Discount Rate	Adjusted Capacity Costs per Meter per Billing Period	Uniform Adjustment to Minimum Charge	Out of District Surcharge Factor	New Minimum Charge Base Rate From Table 11	Total Surcharged Minimum Charge per Billing Period <sup>1</sup>	Total Annual Capacity Surcharges for Each Meter Size <sup>2</sup>	
Five Eighths	361	1.0	361	\$5	\$0.39	100%	\$0.39	\$0.00	100%	\$15.08	\$15.47	\$1,692	
Three Quarters	793	1.5	1,190	\$7	\$0.59	100%	\$0.39	\$0.00	100%	\$15.08	\$15.47	\$3,717	
One Inch	8	2.5	19	\$12	\$0.98	100%	\$0.98	\$0.00	100%	\$15.08	\$16.05	\$90	
One & a Half Inch	0	5.0	0	\$23	\$1.95	100%	\$1.95	\$0.00	100%	\$15.08	\$17.03	\$0	
Two Inch	6	16.0	101	\$75	\$6.25	100%	\$6.25	\$0.00	100%	\$15.08	\$21.33	\$475	
Three Inch	0	43.5	0	\$204	\$16.99	100%	\$16.99	\$0.00	100%	\$15.08	\$32.07	\$0	
Four Inch	0	75.0	0	\$352	\$29.29	100%	\$29.29	\$0.00	100%	\$15.08	\$44.37	\$0	
Six Inch	0	160.0	0	\$750	\$62.49	100%	\$62.49	\$0.00	100%	\$15.08	\$77.57	\$0	
Eight Inch	0	280.0	0	\$1,312	\$109.37	100%	\$109.37	\$0.00	100%	\$15.08	\$124.44	\$0	
Ten Inch	0	420.0	0	\$1,969	\$164.05	100%	\$164.05	\$0.00	100%	\$15.08	\$179.13	\$0	
Twelve Inch	0	530.0	0	\$2,484	\$207.01	100%	\$207.01	\$0.00	100%	\$15.08	\$222.09	\$0	
<b>Total:</b>	<b>1,168</b>		<b>1,671</b>									<b>\$5,974</b>	
Economy of Scale Factor:			0.0%									<b>Prorated Capacity Surcharges</b>	<b>\$1,485</b>

The prorated minimum and capacity surcharges amount immediately above is the amount to be collected after rates are adjusted. If rates in Table 12 are meter sized-based, this amount is filtered into the calculated rate revenues of Table 12 for each rate class. Otherwise, it is included as a separate amount at the bottom of that table.

<sup>1</sup> Total Surcharged Minimum Charge per Billing Period - If minimum charge fees are to be based upon meter size, use the charges in this column if different from those in Table 1.

<sup>2</sup> Total Annual Capacity Surcharges for Each Meter Size - The sum at the bottom of this column is the dollar amount that meter size based surcharges will generate in one full year.

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 11 - Initial Rate Adjustments and Resulting Revenues

This table depicts how rates would be set and the revenues they would generate.

Out of Area Multiplier    150%                      Conservation Rate Block Multiplier    100%                      Other Multiplier    100%

4/1/16 Date when fees will first be collected at adjusted rates. Actual adjustment should occur one billing period earlier.

Compare the rates here with the adjusted rates in the table below. If there are no special costs to consider, rates are "proportional to use" when there is no usage allowance, the minimum charge is \$21.57 and the unit charge is \$3.32 per 1,000 Gallons.

After rate adjustments are made, general customers will be billed monthly.

Sales to be billed this year: Sales at the current (Test Year) rates (gray highlighted column) will apply until rates are adjusted. Sales at the modeled rates (yellow highlighted column) would apply if the modeled rates are adopted. The grand total "blended" sales revenues are the total revenues generated by the two different sets of rates. Those show in the right-most column.

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With "Maxed Out" Volume Within Each Range	New Minimum Charge Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
0.625	0	999	\$13,932	43	\$15.47	0.000	\$3.32	\$5,182	\$19,114
	1,000	1,999	\$11,506	28	\$15.47	0.000	\$3.32	\$4,234	\$15,740
	2,000	2,999	\$11,774	38	\$15.47	0.000	\$3.32	\$4,390	\$16,164
	3,000	3,999	\$12,295	55	\$15.47	0.000	\$3.32	\$4,669	\$16,964
	4,000	4,999	\$10,421	51	\$15.47	0.000	\$3.32	\$3,982	\$14,403
	5,000	5,999	\$7,572	37	\$15.47	0.000	\$3.32	\$2,894	\$10,466
	6,000	6,999	\$5,950	31	\$15.47	0.000	\$3.32	\$2,283	\$8,233
	7,000	7,999	\$4,419	24	\$15.47	0.000	\$3.32	\$1,705	\$6,123
	8,000	8,999	\$2,540	12	\$15.47	0.000	\$3.32	\$969	\$3,509
	9,000	9,999	\$1,846	9	\$15.47	0.000	\$3.32	\$704	\$2,550
	10,000	14,999	\$4,337	21	\$15.47	0.000	\$3.32	\$1,657	\$5,994
	15,000	19,999	\$1,087	5	\$15.47	0.000	\$3.32	\$412	\$1,499
	20,000	29,999	\$377	1	\$15.47	0.000	\$3.32	\$141	\$518
	30,000	39,999	\$47	0	\$15.47	0.000	\$3.32	\$16	\$63
	40,000	49,999	\$47	0	\$15.47	0.000	\$3.32	\$16	\$63
	50,000	59,999	\$65	0	\$15.47	0.000	\$3.32	\$24	\$89
	60,000	69,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	70,000	79,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
80,000	89,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
90,000	99,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
100,000	109,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
110,000	119,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
120,000	129,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
130,000	139,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
140,000	149,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
150,000	159,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
160,000	99,999,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
0.750	0	999	\$31,561	106	\$15.47	0.000	\$3.32	\$11,786	\$43,347
	1,000	1,999	\$23,893	46	\$15.47	0.000	\$3.32	\$8,726	\$32,619
	2,000	2,999	\$25,069	71	\$15.47	0.000	\$3.32	\$9,283	\$34,352
	3,000	3,999	\$25,036	91	\$15.47	0.000	\$3.32	\$9,388	\$34,424
	4,000	4,999	\$22,473	91	\$15.47	0.000	\$3.32	\$8,481	\$30,954
	5,000	5,999	\$18,480	76	\$15.47	0.000	\$3.32	\$6,980	\$25,461
	6,000	6,999	\$14,283	55	\$15.47	0.000	\$3.32	\$5,375	\$19,658
	7,000	7,999	\$12,478	53	\$15.47	0.000	\$3.32	\$4,725	\$17,203
	8,000	8,999	\$8,832	32	\$15.47	0.000	\$3.32	\$3,311	\$12,143
	9,000	9,999	\$7,975	31	\$15.47	0.000	\$3.32	\$3,004	\$10,979
	10,000	14,999	\$22,344	81	\$15.47	0.000	\$3.32	\$8,379	\$30,723
	15,000	19,999	\$9,460	31	\$15.47	0.000	\$3.32	\$3,528	\$12,988
	20,000	29,999	\$7,052	20	\$15.47	0.000	\$3.32	\$2,614	\$9,667
	30,000	39,999	\$2,418	6	\$15.47	0.000	\$3.32	\$892	\$3,310
	40,000	49,999	\$843	1	\$15.47	0.000	\$3.32	\$304	\$1,147
	50,000	59,999	\$401	2	\$15.47	0.000	\$3.32	\$151	\$552
	60,000	69,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189
	70,000	79,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189
80,000	89,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189	
90,000	99,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189	
100,000	109,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189	
110,000	119,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189	
120,000	129,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189	
130,000	139,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189	
140,000	149,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189	
150,000	159,999	\$140	0	\$15.47	0.000	\$3.32	\$49	\$189	
160,000	99,999,999	\$8,205	1	\$15.47	0.000	\$3.32	\$2,908	\$11,113	

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
1.000	0	999	\$238	0	\$16.05	0.000	\$3.32	\$86	\$324
	1,000	1,999	\$225	0	\$16.05	0.000	\$3.32	\$81	\$306
	2,000	2,999	\$246	0	\$16.05	0.000	\$3.32	\$90	\$337
	3,000	3,999	\$294	1	\$16.05	0.000	\$3.32	\$112	\$406
	4,000	4,999	\$239	1	\$16.05	0.000	\$3.32	\$90	\$329
	5,000	5,999	\$142	0	\$16.05	0.000	\$3.32	\$50	\$192
	6,000	6,999	\$157	0	\$16.05	0.000	\$3.32	\$57	\$214
	7,000	7,999	\$262	1	\$16.05	0.000	\$3.32	\$103	\$365
	8,000	8,999	\$116	0	\$16.05	0.000	\$3.32	\$42	\$158
	9,000	9,999	\$110	0	\$16.05	0.000	\$3.32	\$40	\$151
	10,000	14,999	\$475	1	\$16.05	0.000	\$3.32	\$178	\$652
	15,000	19,999	\$300	1	\$16.05	0.000	\$3.32	\$110	\$410
	20,000	29,999	\$428	0	\$16.05	0.000	\$3.32	\$153	\$581
	30,000	39,999	\$341	0	\$16.05	0.000	\$3.32	\$123	\$464
	40,000	49,999	\$231	1	\$16.05	0.000	\$3.32	\$86	\$316
	50,000	59,999	\$124	0	\$16.05	0.000	\$3.32	\$44	\$168
	60,000	69,999	\$99	0	\$16.05	0.000	\$3.32	\$36	\$135
	70,000	79,999	\$87	0	\$16.05	0.000	\$3.32	\$33	\$119
	80,000	89,999	\$0	0	\$16.05	0.000	\$3.32	\$0	\$0
	90,000	99,999	\$0	0	\$16.05	0.000	\$3.32	\$0	\$0
100,000	109,999	\$0	0	\$16.05	0.000	\$3.32	\$0	\$0	
110,000	119,999	\$0	0	\$16.05	0.000	\$3.32	\$0	\$0	
120,000	129,999	\$0	0	\$16.05	0.000	\$3.32	\$0	\$0	
130,000	139,999	\$0	0	\$16.05	0.000	\$3.32	\$0	\$0	
140,000	149,999	\$0	0	\$16.05	0.000	\$3.32	\$0	\$0	
150,000	159,999	\$0	0	\$16.05	0.000	\$3.32	\$0	\$0	
160,000	99,999,999	\$0	0	\$16.05	0.000	\$3.32	\$0	\$0	
2.000	0	999	\$311	1	\$21.33	0.000	\$3.32	\$139	\$450
	1,000	1,999	\$159	0	\$21.33	0.000	\$3.32	\$60	\$219
	2,000	2,999	\$137	0	\$21.33	0.000	\$3.32	\$49	\$186
	3,000	3,999	\$137	0	\$21.33	0.000	\$3.32	\$49	\$186
	4,000	4,999	\$155	0	\$21.33	0.000	\$3.32	\$59	\$214
	5,000	5,999	\$157	0	\$21.33	0.000	\$3.32	\$61	\$219
	6,000	6,999	\$135	0	\$21.33	0.000	\$3.32	\$50	\$184
	7,000	7,999	\$147	0	\$21.33	0.000	\$3.32	\$58	\$205
	8,000	8,999	\$132	0	\$21.33	0.000	\$3.32	\$51	\$183
	9,000	9,999	\$112	0	\$21.33	0.000	\$3.32	\$40	\$151
	10,000	14,999	\$568	0	\$21.33	0.000	\$3.32	\$211	\$778
	15,000	19,999	\$508	0	\$21.33	0.000	\$3.32	\$184	\$691
	20,000	29,999	\$947	1	\$21.33	0.000	\$3.32	\$364	\$1,311
	30,000	39,999	\$529	1	\$21.33	0.000	\$3.32	\$211	\$740
	40,000	49,999	\$294	1	\$21.33	0.000	\$3.32	\$116	\$410
	50,000	59,999	\$167	0	\$21.33	0.000	\$3.32	\$63	\$230
	60,000	69,999	\$129	0	\$21.33	0.000	\$3.32	\$50	\$179
	70,000	79,999	\$93	0	\$21.33	0.000	\$3.32	\$33	\$126
	80,000	89,999	\$95	0	\$21.33	0.000	\$3.32	\$36	\$131
	90,000	99,999	\$70	0	\$21.33	0.000	\$3.32	\$25	\$95
100,000	109,999	\$56	0	\$21.33	0.000	\$3.32	\$22	\$78	
110,000	119,999	\$61	0	\$21.33	0.000	\$3.32	\$25	\$86	
120,000	129,999	\$0	0	\$21.33	0.000	\$3.32	\$0	\$0	
130,000	139,999	\$0	0	\$21.33	0.000	\$3.32	\$0	\$0	
140,000	149,999	\$0	0	\$21.33	0.000	\$3.32	\$0	\$0	
150,000	159,999	\$0	0	\$21.33	0.000	\$3.32	\$0	\$0	
160,000	99,999,999	\$0	0	\$21.33	0.000	\$3.32	\$0	\$0	

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 11 - Initial Rate Adjustments and Resulting Revenues

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Sales This Year at Current Rates	Number of Customers With Volume That "Maxed Out" Within Each Range	New Minimum Charge Base Rates <sup>1</sup>	New Usage Allowance in 1,000 Gallons	New Unit Charge per 1,000 Gallons	Sales This Year at Modeled Rates	Grand Total "Blended" Sales This Year
No Meter Size	0	999	\$770	7	\$15.47	0.000	\$3.32	\$312	\$1,081
	1,000	1,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	2,000	2,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	3,000	3,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	4,000	4,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	5,000	5,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	6,000	6,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	7,000	7,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	8,000	8,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	9,000	9,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	10,000	14,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	15,000	19,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	20,000	29,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	30,000	39,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	40,000	49,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	50,000	59,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	60,000	69,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	70,000	79,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	80,000	89,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
	90,000	99,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0
100,000	109,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
110,000	119,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
120,000	129,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
130,000	139,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
140,000	149,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
150,000	159,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
160,000	99,999,999	\$0	0	\$15.47	0.000	\$3.32	\$0	\$0	
Total Rate Rev at Current Rates			\$340,402	Total Rate Rev at Modeled Rates			\$127,388	Total Blended Rate Revenues for the Year <sup>2</sup> \$467,790	

Note 1, New Minimum Charge Base Rates: If meter or connection size-based minimum charges are to be used, and the user classes modeled above include meter or connection sizes, the amounts shown in this column include meter or connection size surcharges as calculated in Table 10. Otherwise, use the rates in the "Total Minimum Charge per Billing Period" column of Table 10 when setting minimum charges for each customer when their minimums will be based upon meter or connection size.

Note 2, Blended Rate Revenues: During the year when rates will be adjusted, rate revenues generated will be "blended" revenues - part collected at the current rates and part collected at the adjusted rates. The table above calculates both kinds of revenue and totals them in the right-most column. Therefore, the anticipated timing of rate adjustment shown at the top of this table will cause rates to be charged as follows:

9.0 months at the old user charge rates and 3.0 months at the new user charge rates.

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 12 - Test Year Usage

Dona Ana MDWCA, Las Cruces, NM

Sewer Rates Scenario 2016-2

CBGreatRates© Version 7.1

**Table 12 - Test Year Usage**

Test year, the one-year period being analyzed starts: 7/1/2014

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 1/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where Volume "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
0.625	0	999	1,000	0.910	4,251	3,867,474	518	134,474	43	3.7%	4.3%
	1,000	1,999	1,000	0.960	3,733	3,585,136	332	516,136	28	2.4%	4.0%
	2,000	2,999	1,000	0.933	3,401	3,173,707	461	1,155,707	38	3.3%	3.6%
	3,000	3,999	1,000	0.885	2,940	2,601,708	656	2,285,708	55	4.7%	2.9%
	4,000	4,999	1,000	0.873	2,284	1,993,108	608	2,749,108	51	4.3%	2.2%
	5,000	5,999	1,000	0.861	1,676	1,443,239	443	2,425,239	37	3.2%	1.6%
	6,000	6,999	1,000	0.857	1,233	1,056,723	367	2,392,723	31	2.6%	1.2%
	7,000	7,999	1,000	0.815	866	705,428	292	2,175,428	24	2.1%	0.8%
	8,000	8,999	1,000	0.876	574	502,992	144	1,224,992	12	1.0%	0.6%
	9,000	9,999	1,000	0.856	430	368,160	104	978,160	9	0.7%	0.4%
	10,000	14,999	1,000	2.558	326	833,867	252	2,983,867	21	1.8%	0.9%
	15,000	19,999	1,000	3.219	74	238,196	56	988,196	5	0.4%	0.3%
	20,000	29,999	1,000	5.355	18	96,384	16	396,384	1	0.1%	0.1%
	30,000	39,999	1,000	10.000	2	20,000	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	10.000	2	20,000	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	9.955	2	19,910	2	119,910	0	0.0%	0.0%
	60,000	69,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					21,812	20,526,032	4,251	20,526,032	354	30.3%	23.1%
0.750	0	999	1,000	0.878	9,516	8,359,395	1,272	115,395	106	9.1%	9.4%
	1,000	1,999	1,000	0.970	8,244	7,997,171	554	861,171	46	4.0%	9.0%
	2,000	2,999	1,000	0.950	7,690	7,306,356	847	2,157,356	71	6.0%	8.2%
	3,000	3,999	1,000	0.922	6,843	6,309,063	1,088	3,818,063	91	7.8%	7.1%
	4,000	4,999	1,000	0.904	5,755	5,204,620	1,089	4,894,620	91	7.8%	5.9%
	5,000	5,999	1,000	0.905	4,666	4,224,772	909	5,012,772	76	6.5%	4.7%
	6,000	6,999	1,000	0.913	3,757	3,430,579	662	4,307,579	55	4.7%	3.9%
	7,000	7,999	1,000	0.890	3,095	2,753,836	638	4,762,836	53	4.6%	3.1%
	8,000	8,999	1,000	0.907	2,457	2,228,957	383	3,218,957	32	2.7%	2.5%
	9,000	9,999	1,000	0.913	2,074	1,893,683	375	3,569,683	31	2.7%	2.1%
	10,000	14,999	1,000	3.309	1,699	5,622,266	973	11,722,266	81	6.9%	6.3%
	15,000	19,999	1,000	3.515	726	2,551,753	370	6,321,753	31	2.6%	2.9%
	20,000	29,999	1,000	5.708	356	2,032,072	244	5,792,072	20	1.7%	2.3%
	30,000	39,999	1,000	6.534	112	731,854	75	2,611,854	6	0.5%	0.8%
	40,000	49,999	1,000	8.460	37	313,024	12	543,024	1	0.1%	0.4%
	50,000	59,999	1,000	3.790	25	94,748	19	984,748	2	0.1%	0.1%
	60,000	69,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%
	70,000	79,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%
	80,000	89,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%
	90,000	99,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%
	100,000	109,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%
110,000	119,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%	
120,000	129,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%	
130,000	139,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%	
140,000	149,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%	
150,000	159,999	1,000	10.000	6	60,000	0	0	0	0.0%	0.1%	
160,000	99,999,999	1,000	583.010	6	3,498,060	6	4,458,060	1	0.0%	3.9%	
Monthly and Annual Subtotals:					57,118	65,152,209	9,516	65,152,209	793	67.9%	73.2%

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 12 - Test Year Usage

Dona Ana MDWCA, Las Cruces, NM

Sewer Rates Scenario 2016-2

CBGreatRates© Version 7.1

**Table 12 - Test Year Usage**

Test year, the one-year period being analyzed starts: 7/1/2014

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 1/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where Volume "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
1.000	0	999	1,000	0.978	92	89,960	3	960	0	0.0%	0.1%
	1,000	1,999	1,000	0.992	89	88,324	2	3,324	0	0.0%	0.1%
	2,000	2,999	1,000	0.981	87	85,331	5	13,331	0	0.0%	0.1%
	3,000	3,999	1,000	0.944	82	77,400	12	43,400	1	0.1%	0.1%
	4,000	4,999	1,000	0.939	70	65,746	9	40,746	1	0.1%	0.1%
	5,000	5,999	1,000	1.000	61	61,000	0	0	0	0.0%	0.1%
	6,000	6,999	1,000	0.974	61	59,391	2	12,391	0	0.0%	0.1%
	7,000	7,999	1,000	0.803	59	47,391	16	116,391	1	0.1%	0.1%
	8,000	8,999	1,000	0.969	43	41,686	2	16,686	0	0.0%	0.0%
	9,000	9,999	1,000	0.955	41	39,164	2	18,164	0	0.0%	0.0%
	10,000	14,999	1,000	3.658	39	142,677	15	172,677	1	0.1%	0.2%
	15,000	19,999	1,000	4.347	24	104,338	6	104,338	1	0.0%	0.1%
	20,000	29,999	1,000	9.525	18	171,452	3	81,452	0	0.0%	0.2%
	30,000	39,999	1,000	8.670	15	130,048	4	140,048	0	0.0%	0.1%
	40,000	49,999	1,000	6.785	11	74,638	6	264,638	1	0.0%	0.1%
	50,000	59,999	1,000	9.790	5	48,950	1	58,950	0	0.0%	0.1%
	60,000	69,999	1,000	9.638	4	38,550	1	68,550	0	0.0%	0.0%
	70,000	79,999	1,000	8.333	3	25,000	3	235,000	0	0.0%	0.0%
	80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					804	1,391,046	92	1,391,046	8	0.7%	1.6%
2.000	0	999	1,000	0.951	76	72,257	15	11,257	1	0.1%	0.1%
	1,000	1,999	1,000	0.984	61	59,996	2	2,996	0	0.0%	0.1%
	2,000	2,999	1,000	1.000	59	59,000	0	0	0	0.0%	0.1%
	3,000	3,999	1,000	1.000	59	59,000	0	0	0	0.0%	0.1%
	4,000	4,999	1,000	0.993	59	58,570	2	9,570	0	0.0%	0.1%
	5,000	5,999	1,000	0.969	57	55,229	3	16,229	0	0.0%	0.1%
	6,000	6,999	1,000	0.994	54	53,695	1	6,695	0	0.0%	0.1%
	7,000	7,999	1,000	0.960	53	50,898	3	21,898	0	0.0%	0.1%
	8,000	8,999	1,000	0.974	50	48,714	2	16,714	0	0.0%	0.1%
	9,000	9,999	1,000	1.000	48	48,000	0	0	0	0.0%	0.1%
	10,000	14,999	1,000	4.652	48	223,290	5	58,290	0	0.0%	0.3%
	15,000	19,999	1,000	4.879	43	209,783	2	34,783	0	0.0%	0.2%
	20,000	29,999	1,000	8.421	41	345,268	15	385,268	1	0.1%	0.4%
	30,000	39,999	1,000	6.859	26	178,345	12	398,345	1	0.1%	0.2%
	40,000	49,999	1,000	7.278	14	101,889	6	261,889	1	0.0%	0.1%
	50,000	59,999	1,000	7.961	8	63,688	2	103,688	0	0.0%	0.1%
	60,000	69,999	1,000	7.894	6	47,364	2	127,364	0	0.0%	0.1%
	70,000	79,999	1,000	10.000	4	40,000	0	0	0	0.0%	0.0%
	80,000	89,999	1,000	9.192	4	36,768	1	86,768	0	0.0%	0.0%
	90,000	99,999	1,000	10.000	3	30,000	0	0	0	0.0%	0.0%
100,000	109,999	1,000	6.690	3	20,071	1	100,071	0	0.0%	0.0%	
110,000	119,999	1,000	8.911	2	17,821	2	237,821	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					778	1,879,646	76	1,879,646	6	0.5%	2.1%

# Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

## Table 12 - Test Year Usage

Dona Ana MDWCA, Las Cruces, NM

Sewer Rates Scenario 2016-2

CBGreatRates© Version 7.1

**Table 12 - Test Year Usage**

Test year, the one-year period being analyzed starts: 7/1/2014

This table shows usage by all customers during the test year.

Date this scenario created: 12/28/2015

Test year, the one-year period being analyzed starts: 1/1/2014

Meter Readings per year: 12

Bills sent per year: 12

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Conversion Factor for Billable Units	Average Volume Used Within Each Volume Range in 1,000 Gallons	Count of Bills With ANY Volume Within Each Range	Total Annual Use Within Each Volume Range in 1,000 Gallons	Count of Bills Only Where Volume "Maxed Out" Within Each Range	Volume of Only Those Bills Where Volume "Maxed Out" Within Each Range	Number of Customers With Volume That "Maxed Out" Within Each Range	% of Customers That Averaged This Volume of Use	% of Total Use at This Average Volume
No Meter Size	0	999	1,000	0.000	81	0	81	0	7	0.6%	0.0%
	1,000	1,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	2,000	2,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	3,000	3,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	4,000	4,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	5,000	5,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	6,000	6,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	7,000	7,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	8,000	8,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	9,000	9,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	10,000	14,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	15,000	19,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	20,000	29,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	30,000	39,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	40,000	49,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	50,000	59,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	60,000	69,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
	70,000	79,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%
80,000	89,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
90,000	99,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
100,000	109,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
110,000	119,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
120,000	129,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
130,000	139,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
140,000	149,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
150,000	159,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
160,000	99,999,999	1,000	0.000	0	0	0	0	0	0.0%	0.0%	
Monthly and Annual Subtotals:					81	0	81	0	7	0.6%	0.0%
Monthly and Annual Grand Totals:					80,593	88,948,933	14,016		1,168	100%	100%



## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 13 - Rates at End of Test Year

This table shows user rates at the end of the test year. Rates for volume ranges that are not shown are the same as the next lowest volume range rates. Rates for customers with no recorded meter size were assumed to be charged the same as those for the smallest meter size customer.

Customer Class, Rate Class or Meter Size	Bottom of Volume Range in 1,000 Gallons	Top of Volume Range in 1,000 Gallons	Minimum Charge	Usage Allowance in 1,000 Gallons	Unit Charge per 1,000 Gallons
0.625	0	999	\$12.65	0.000	\$3.10
	1,000	1,999	\$12.65	0.000	\$3.10
	2,000	2,999	\$12.65	0.000	\$3.10
	3,000	3,999	\$12.65	0.000	\$3.10
	4,000	4,999	\$12.65	0.000	\$3.10
	5,000	5,999	\$12.65	0.000	\$3.10
	160,000	99,999,999	\$12.65	0.000	\$3.10
0.750	0	999	\$12.65	0.000	\$3.10
	1,000	1,999	\$12.65	0.000	\$3.10
	2,000	2,999	\$12.65	0.000	\$3.10
	3,000	3,999	\$12.65	0.000	\$3.10
	4,000	4,999	\$12.65	0.000	\$3.10
	5,000	5,999	\$12.65	0.000	\$3.10
	160,000	99,999,999	\$12.65	0.000	\$3.10
1.000	0	999	\$12.65	0.000	\$3.10
	1,000	1,999	\$12.65	0.000	\$3.10
	2,000	2,999	\$12.65	0.000	\$3.10
	3,000	3,999	\$12.65	0.000	\$3.10
	4,000	4,999	\$12.65	0.000	\$3.10
	5,000	5,999	\$12.65	0.000	\$3.10
	160,000	99,999,999	\$12.65	0.000	\$3.10
2.000	0	999	\$12.65	0.000	\$3.10
	1,000	1,999	\$12.65	0.000	\$3.10
	2,000	2,999	\$12.65	0.000	\$3.10
	3,000	3,999	\$12.65	0.000	\$3.10
	4,000	4,999	\$12.65	0.000	\$3.10
	5,000	5,999	\$12.65	0.000	\$3.10
	160,000	99,999,999	\$12.65	0.000	\$3.10
No Meter Size	0	999	\$12.65	0.000	\$3.10
	1,000	1,999	\$12.65	0.000	\$3.10
	2,000	2,999	\$12.65	0.000	\$3.10
	3,000	3,999	\$12.65	0.000	\$3.10
	4,000	4,999	\$12.65	0.000	\$3.10
	5,000	5,999	\$12.65	0.000	\$3.10
	160,000	99,999,999	\$12.65	0.000	\$3.10

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 14 - Cost Classification for Rate Structure Calculation

This table distributes costs from a representative year (the "target" year) to fixed and variable categories (see Definitions) in order to calculate the "proportional to use" or "cost of service" rate structure based upon the cost breakdown for that year.

The rate structure target year runs from 7/1/2021 through 6/30/2022

Operating Costs	Amount	Fixed Cost %	Variable Cost %	Capacity Cost %	Fixed Cost Amount	Variable Cost Amount	Capacity Cost Amount
Association Dues & Memberships	\$487	50.0%	50.0%	0.0%	\$243	\$243	\$0
Chemicals	\$60,833	0.0%	100.0%	0.0%	\$0	\$60,833	\$0
Dental Insurance	\$117	50.0%	50.0%	0.0%	\$58	\$58	\$0
Electric	\$24,673	0.0%	100.0%	0.0%	\$0	\$24,673	\$0
Engineering Services	\$1,364	50.0%	50.0%	0.0%	\$682	\$682	\$0
Equipment Rentals	\$0	50.0%	50.0%	0.0%	\$0	\$0	\$0
Licenses, Permits, Fees	\$1,538	100.0%	0.0%	0.0%	\$1,538	\$0	\$0
Miscellaneous Expense	\$0	50.0%	50.0%	0.0%	\$0	\$0	\$0
Other Professional Services	\$0	33.0%	67.0%	0.0%	\$0	\$0	\$0
Postage & Shipping	\$580	100.0%	0.0%	0.0%	\$580	\$0	\$0
Pubic Employees Retirement Association	\$2,086	33.0%	67.0%	0.0%	\$689	\$1,398	\$0
Safety Equipment	\$908	50.0%	50.0%	0.0%	\$454	\$454	\$0
Salaries	\$24,333	33.0%	67.0%	0.0%	\$8,030	\$16,303	\$0
Sample Testing	\$7,517	50.0%	50.0%	0.0%	\$3,758	\$3,758	\$0
Sludge Removal	\$46,703	0.0%	100.0%	0.0%	\$0	\$46,703	\$0
Small Tools	\$17	50.0%	50.0%	0.0%	\$9	\$9	\$0
STD/LTD/Life	\$322	33.0%	67.0%	0.0%	\$106	\$216	\$0
Supplies & Expenses	\$5,012	50.0%	50.0%	0.0%	\$2,506	\$2,506	\$0
System Repairs & Maintenance	\$5,813	50.0%	50.0%	0.0%	\$2,906	\$2,906	\$0
Trainings & Seminars	\$4,519	33.0%	67.0%	0.0%	\$1,491	\$3,027	\$0
Travel	\$3,163	33.0%	67.0%	0.0%	\$1,044	\$2,119	\$0
Vehicle Repairs & Maintenance	\$215	50.0%	50.0%	0.0%	\$107	\$107	\$0
Vision insurance	\$43	33.0%	67.0%	0.0%	\$14	\$29	\$0
Reimbursement of Fees to County	\$0	100.0%	0.0%	0.0%	\$0	\$0	\$0
Temporary Non-payment to Replacement Fund	\$0	50.0%	50.0%	0.0%	\$0	\$0	\$0
Annual Payment to Replacement Fund (Table 17)	\$36,260	50.0%	50.0%	0.0%	\$18,130	\$18,130	\$0
User Charge Analysis Services	\$9,058	50.0%	50.0%	0.0%	\$4,529	\$4,529	\$0
CIP Spending Net of Grant/Loan Proceeds and Other External Incomes (Table 4)	\$506,972	50.0%	25.0%	25.0%	\$253,486	\$126,743	\$126,743
Offset for Capacity Surcharges (Table 10)	-\$5,974	50.0%	25.0%	25.0%	-\$2,987	-\$1,493	-\$1,493
<b>Grand Total Costs, Weighted Avg Percentages</b>	<b>\$760,891</b>	<b>42.3%</b>	<b>41.3%</b>	<b>16.5%</b>	<b>\$321,707</b>	<b>\$313,934</b>	<b>\$125,249</b>

"Proportional to Use" Rate Structure Cost Basis		100%	\$760,891
Average Fixed Cost/User/Month =	\$22.95		Inflow and Infiltration is Estimated at 0%
Average Variable Cost to Produce/1,000 Gallons =	\$3.53		Cost of Inflow and Infiltration is Estimated at 52%
			Resulting Cost of Inflow and Infiltration \$0
Gallons/Billing Cycle Used by Average Residential Customer =	4,829		Test Year Customer Metered Usage (in Gallons) 88,948,933
			+ Test Year Inflow and Infiltration 0
			Total Test Year Volume 88,948,933

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 15 - Marginal Costs

This table depicts marginal fixed and variable costs that would be incurred to serve "snow birds" or similar customers that discontinue service, or would like to discontinue service for part of the year. In other words, these are unavoidable costs that snow birds and similar customers cause even when they are gone. The marginal fixed cost shown at the bottom of this table is used in Table 10 to calculate the "Snow Bird" fee for various meter sizes.

The rate structure target year runs from 7/1/2015 through 6/30/2016

Operating Costs	Amount	Marginal Fixed Cost %	Marginal Variable Cost %	Marginal Capacity Cost %	Marginal Fixed Cost Amount	Marginal Variable Cost Amount	Marginal Capacity Cost Amount					
Association Dues & Memberships	\$0	50%	50%	0%	\$0	\$0	\$0					
Chemicals	\$5,629	0%	0%	0%	\$0	\$0	\$0					
Dental Insurance	\$3	50%	50%	0%	\$1	\$1	\$0					
Electric	\$19,500	5%	5%	0%	\$0	\$975	\$0					
Engineering Services	\$1,078	100%	100%	0%	\$539	\$539	\$0					
Equipment Rentals	\$0	100%	100%	0%	\$0	\$0	\$0					
Licenses, Permits, Fees	\$39	100%	100%	0%	\$39	\$0	\$0					
Miscellaneous Expense	\$0	50%	50%	0%	\$0	\$0	\$0					
Other Professional Services	\$19,344	100%	100%	0%	\$6,384	\$12,961	\$0					
Postage & Shipping	\$580	100%	100%	0%	\$580	\$0	\$0					
Pubic Employees Retirement Association	\$52	50%	50%	0%	\$9	\$18	\$0					
Safety Equipment	\$717	50%	50%	0%	\$179	\$179	\$0					
Salaries	\$610	50%	50%	0%	\$101	\$205	\$0					
Sample Testing	\$5,941	100%	100%	0%	\$2,970	\$2,970	\$0					
Sludge Removal	\$36,910	100%	100%	0%	\$0	\$36,910	\$0					
Small Tools	\$14	100%	100%	0%	\$7	\$7	\$0					
STD/LTD/Life	\$8	50%	50%	0%	\$1	\$3	\$0					
Supplies & Expenses	\$3,961	100%	100%	0%	\$1,981	\$1,981	\$0					
System Repairs & Maintenance	\$4,594	100%	100%	0%	\$2,297	\$2,297	\$0					
Trainings & Seminars	\$113	50%	50%	0%	\$19	\$38	\$0					
Travel	\$0	50%	50%	0%	\$0	\$0	\$0					
Vehicle Repairs & Maintenance	\$170	100%	100%	0%	\$85	\$85	\$0					
Vision insurance	\$1	50%	50%	0%	\$0	\$0	\$0					
Reimbursement of Fees to County	\$76,639	100%	100%	0%	\$76,639	\$0	\$0					
Temporary Non-payment to Replacement Fund	-\$36,260	100%	100%	0%	-\$18,130	-\$18,130	\$0					
Annual Payment to Replacement Fund (Table 17)	\$36,260	100%	100%	0%	\$18,130	\$18,130	\$0					
User Charge Analysis Services	\$7,452	100%	100%	0%	\$3,726	\$3,726	\$0					
CIP Spending Net of Grant/Loan Proceeds and Other External Incomes (Table 4)	\$286,603	100%	100%	100%	\$143,301	\$71,651	\$71,651					
Offset for Capacity Surcharges (Table 10)	-\$5,974	100%	100%	100%	-\$2,987	-\$1,493	-\$1,493					
Grand Total All Costs	\$463,985				\$235,870	\$133,051	\$70,157					
<b>Marginal Costs per Customer, Volume Unit and Capacity Share</b>												
The system would suffer a net revenue loss if it set minimum and unit charges lower than the marginal costs at the right. It would make a "profit" on a marginal cost basis if it charged more. Capacity costs, however, are a bit different. They can be recovered over time, as modeled here, or all at once in the case of connection (tap-on) fees or by using a combination of both methods. Using the cost basis in Table 10, marginal capacity costs may be even higher than modeled here.					Volume in Number of Customers	1,168	Marginal Fixed Cost per Customer	\$16.83	Marginal Variable Cost per 1,000 Gallons	\$1.50	Marginal Capacity Cost per AWWA Capacity Share per Monthly	\$3.50
Marginal Fixed Cost as a Percent of Average Fixed Cost (Table 14):							100%					
Marginal Variable Cost as a Percent of Average Variable Cost (Table 14):								84%				
Marginal Capacity Cost as a Percent of Average Capacity Cost (Table 10):											100%	

## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 16 - Equipment Replacement Details Table

This schedule depicts detailed equipment replacement and refurbishment needed during the next 20 years. Total annual expenses from this table are used in Table 17 to calculate the annuity (savings deposit) needed to pay for these expenses as they come due.

Year Beginning	Assumed Amount at 15% of Operating Costs, Excluding Debt Service											Total Annual Replacement Costs
1/1/14	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1/1/15	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/16	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/17	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/18	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/19	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/20	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/21	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/22	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/23	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/24	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/25	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/26	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/27	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/28	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/29	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/30	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/31	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/32	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/33	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/34	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536
1/1/35	\$28,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,536

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## Dona Ana MDWC, NM Sewer Rates Scenario 2016-1

### Table 17 - Replacement Schedule

This schedule calculates the annual annuity needed to fund all replacement and refurbishment from Table 16, the detailed schedule.

- 2.00% Average Inflation Rate for the Following Sewer System Equipment for the Term of This Replacement Schedule
- 3.00% Average Interest Rate on Balances Invested for the Term of This Replacement Schedule
- 3.00% Average Interest Rate on Amounts Borrowed for the Term of This Replacement Schedule

Year Beginning	Item Description	This Year's Costs in Current Dollars	Future Annual Inflated Net Costs	Interest Earned on Prior Balance	End of Year Balance in Future Dollars	Minimum Desired End of Year Balance in Future Dollars
1/1/14	Last year's replacements	\$0	\$0	\$0	\$0	\$28,536
1/1/15	Total of replacements from detailed replacement schedule	\$28,536	\$29,107	\$0	\$7,152	\$29,107
1/1/16	Total of replacements from detailed replacement schedule	\$28,536	\$29,689	\$215	\$13,937	\$29,689
1/1/17	Total of replacements from detailed replacement schedule	\$28,536	\$30,283	\$418	\$20,332	\$30,283
1/1/18	Total of replacements from detailed replacement schedule	\$28,536	\$30,889	\$610	\$26,313	\$30,889
1/1/19	Total of replacements from detailed replacement schedule	\$28,536	\$31,506	\$789	\$31,855	\$31,506
1/1/20	Total of replacements from detailed replacement schedule	\$28,536	\$32,137	\$956	\$36,934	\$32,137
1/1/21	Total of replacements from detailed replacement schedule	\$28,536	\$32,779	\$1,108	\$41,522	\$32,779
1/1/22	Total of replacements from detailed replacement schedule	\$28,536	\$33,435	\$1,246	\$45,592	\$33,435
1/1/23	Total of replacements from detailed replacement schedule	\$28,536	\$34,104	\$1,368	\$49,116	\$34,104
1/1/24	Total of replacements from detailed replacement schedule	\$28,536	\$34,786	\$1,473	\$52,064	\$34,786
1/1/25	Total of replacements from detailed replacement schedule	\$28,536	\$35,481	\$1,562	\$54,404	\$35,481
1/1/26	Total of replacements from detailed replacement schedule	\$28,536	\$36,191	\$1,632	\$56,104	\$36,191
1/1/27	Total of replacements from detailed replacement schedule	\$28,536	\$36,915	\$1,683	\$57,132	\$36,915
1/1/28	Total of replacements from detailed replacement schedule	\$28,536	\$37,653	\$1,714	\$57,452	\$37,653
1/1/29	Total of replacements from detailed replacement schedule	\$28,536	\$38,406	\$1,724	\$57,029	\$38,406
1/1/30	Total of replacements from detailed replacement schedule	\$28,536	\$39,174	\$1,711	\$55,825	\$39,174
1/1/31	Total of replacements from detailed replacement schedule	\$28,536	\$39,958	\$1,675	\$53,802	\$39,958
1/1/32	Total of replacements from detailed replacement schedule	\$28,536	\$40,757	\$1,614	\$50,919	\$40,757
1/1/33	Total of replacements from detailed replacement schedule	\$28,536	\$41,572	\$1,528	\$47,134	\$41,572
1/1/34	Total of replacements from detailed replacement schedule	\$28,536	\$42,404	\$1,414	\$42,404	\$42,404
Notes: Because the District does not have a formal R&R schedule, it was assumed that true R&R costs amount to 15% of operating costs, not including debt service. In addition, a Discretionary Annuity amount was added so that at the end of the 20-year modeling period, the balance will equal the average of the annual replacement cost amounts.		Starting Account Balance			\$0	\$28,536
		Minimum Annual Annuity			\$34,681	Minimum Desired Balance in Today's Dollars
		Discretionary Annuity			\$1,578	
<b>Required Annual Deposit to Replacement Account</b>					<b>\$36,260</b>	

This amount is entered into Table 3 as an operating cost of the system.