



County of Los Alamos

1000 Central Avenue
Los Alamos, NM 87544

Agenda - Final Board of Public Utilities

*Carrie Walker, Chair; Jeff Johnson, Vice-chair; Stephen McLin,
Kathleen Taylor and Steve Tobin Members
Philo Shelton, Ex Officio Member
Harry Burgess, Ex Officio Member
Pete Sheehey, Council Liaison*

Wednesday, October 16, 2019

5:30 PM

1000 Central Avenue
Council Chambers

REGULAR SESSION

Complete Board of Public Utilities agenda packets, past agendas, videos, legislation and minutes can be found online at losalamos.legistar.com. Learn more about the Board of Public Utilities at rebrand.ly/LACBPU.

PUBLIC COMMENTS:

Please submit written comments to the Board at bpu@lacnm.us. Oral public comment is accepted during the two periods identified on the agenda and after initial board discussion on a business item, prior to accepting a main motion on an item. Oral comments should be limited to four minutes per person. Requests to make comments exceeding four minutes should be submitted to the Board in writing prior to the meeting. Individuals representing or making a combined statement for a large group may be allowed additional time at the discretion of the Board. Those making comments are encouraged to submit them in writing either during or after the meeting to be included in the minutes as attachments. Otherwise, oral public comments will be summarized in the minutes to give a brief succinct account of the overall substance of the person's comments.

1. CALL TO ORDER

2. PUBLIC COMMENT

This section of the agenda is reserved for comments from the public on Consent Agenda items or items that are not otherwise included in this agenda.

3. APPROVAL OF AGENDA

4. PRESENTATION

4.A [12312-19](#) Los Alamos National Laboratory's Chromium Project Update

Presenters: Philo Shelton, Utilities Manager

PG 1-13

5. BOARD BUSINESS

5.A. Chair's Report

- 5.A.1** [11762-19](#) Reminder for Upcoming Boards & Commissions Luncheon

Presenters: Carrie Walker, Chair of the Board of Public Utilities

PG. 14

5.B. Board Member Reports**5.C. Utilities Manager's Report****5.D. County Manager's Report****5.E. Council Liaison's Report****5.F. Environmental Sustainability Board Liaison's Report****5.G. General Board Business**

- 5.G.1** [12050-19](#) Approval of Department of Public Utilities Mission, Vision and Values, Strategic Goals and Objectives

Presenters: Board of Public Utilities

PG. 15 - 18

5.H. Approval of Board Expenses**5.I. Preview of Upcoming Agenda Items**

- 5.I.1** [12406-19](#) Tickler File for the Next 3 Months

Presenters: Board of Public Utilities

PG. 19 - 21

6. PUBLIC HEARING(S)

- 6.A** [12225-19](#) Incorporated County of Los Alamos Code Ordinance No. 02-298; An Ordinance Amending Chapter 40, Article III, Sections 40-201 and 40-202 of the Code of the Incorporated County of Los Alamos Pertaining to the Sewage Service Rate Schedule and Determination of Charges

Presenters: Bob Westervelt, Deputy Utilities Manager - Finance/Admin

PG. 22 - 58

- 6.B [12226-19](#) Incorporated County of Los Alamos Code Ordinance No. 02-299; An Ordinance Amending Chapter 40, Article III, Sections 40-171, 40-173 and 40-175 of the Code of the Incorporated County of Los Alamos Pertaining to Potable and Non-Potable Water Rates and Bulk Delivery Rates

Presenters: Bob Westervelt, Deputy Utilities Manager - Finance/Admin

PG. 59 - 102

- 6.C [12282-19](#) Modification of Department of Public Utilities Rules & Regulations - Rule GR-18 Utilities Assistance Program (UAP)

Presenters: Bob Westervelt, Deputy Utilities Manager - Finance/Admin

PG. 103 - 106

7. **CONSENT AGENDA**

The following items are presented for Board approval under a single motion unless any item is withdrawn by a member for further Board consideration in the "Business" section of the agenda.

CONSENT MOTION -

I move that the Board of Public Utilities approve the items on the Consent Agenda as presented and that the motions in the staff reports be included in the minutes for the record.

OR

I move that the Board of Public Utilities approve the items on the Consent Agenda as amended and that the motions contained in the staff reports, be included in the minutes for the record.

- 7.A [12404-19](#) Approval of Board of Public Utilities Meeting Minutes

Presenters: Board of Public Utilities

PG. 107 - 125

8. **BUSINESS**

- 8.A [RE0425-19](#) Incorporated County of Los Alamos Resolution No. 19-25; A Resolution Authorizing the Los Alamos County Utilities Manager to Submit an Application to the New Mexico Environment Department for Funding for Light Duty Electric Vehicle Supply Equipment Projects

Presenters: Steve Cummins, Deputy Utilities Manager - Power Supply

PG. 126 - 143

9. **STATUS REPORTS**

- 9.A [12405-19](#) Status Reports

Presenters: Board of Public Utilities

PG. 144 - 157

10. **PUBLIC COMMENT**

This section of the agenda is reserved for comments from the public on any items.

11. **ADJOURNMENT**

If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing or meeting, please contact the County Human Resources Division at 662-8040 at least one week prior to the meeting or as soon as possible. Public documents, including the agenda and minutes can be provided in various accessible formats. Please contact the personnel in the Department of Public Utilities (505) 662-8132 if a summary or other type of accessible format is needed.



County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.: 4.A
Index (Council Goals): * 2019 Council Goal - N/A
Presenters: Philo Shelton, Utilities Manager
Legislative File: 12312-19

Title

Los Alamos National Laboratory's Chromium Project Update

Recommended Action

Discussion item only

Staff Recommendation

None

Body

Approximately ten years ago, hexavalent chromium was detected in a monitoring well in the regional aquifer below the Pajarito Plateau at levels above Environmental Protection Agency and New Mexico Environmental Department groundwater standards. Danny Katzman, the Groundwater Remediation Manager for N3B Los Alamos, will present an update related to ongoing activities to monitor and address this issue.

Alternatives

None

Fiscal and Staff Impact

None

Attachments

A - Presentation - LANL Chromium Project Update



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
ENVIRONMENTAL
MANAGEMENT



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Los Alamos National Laboratory's Chromium Project Update for Los Alamos County Board of Public Utilities

October 16, 2019

Danny Katzman
Groundwater Remediation Manager
N3B Los Alamos



ENVIRONMENTAL MANAGEMENT
SAFETY ♦ PERFORMANCE ♦ CLEANUP ♦ CLOSURE

N3B Los
Alamos

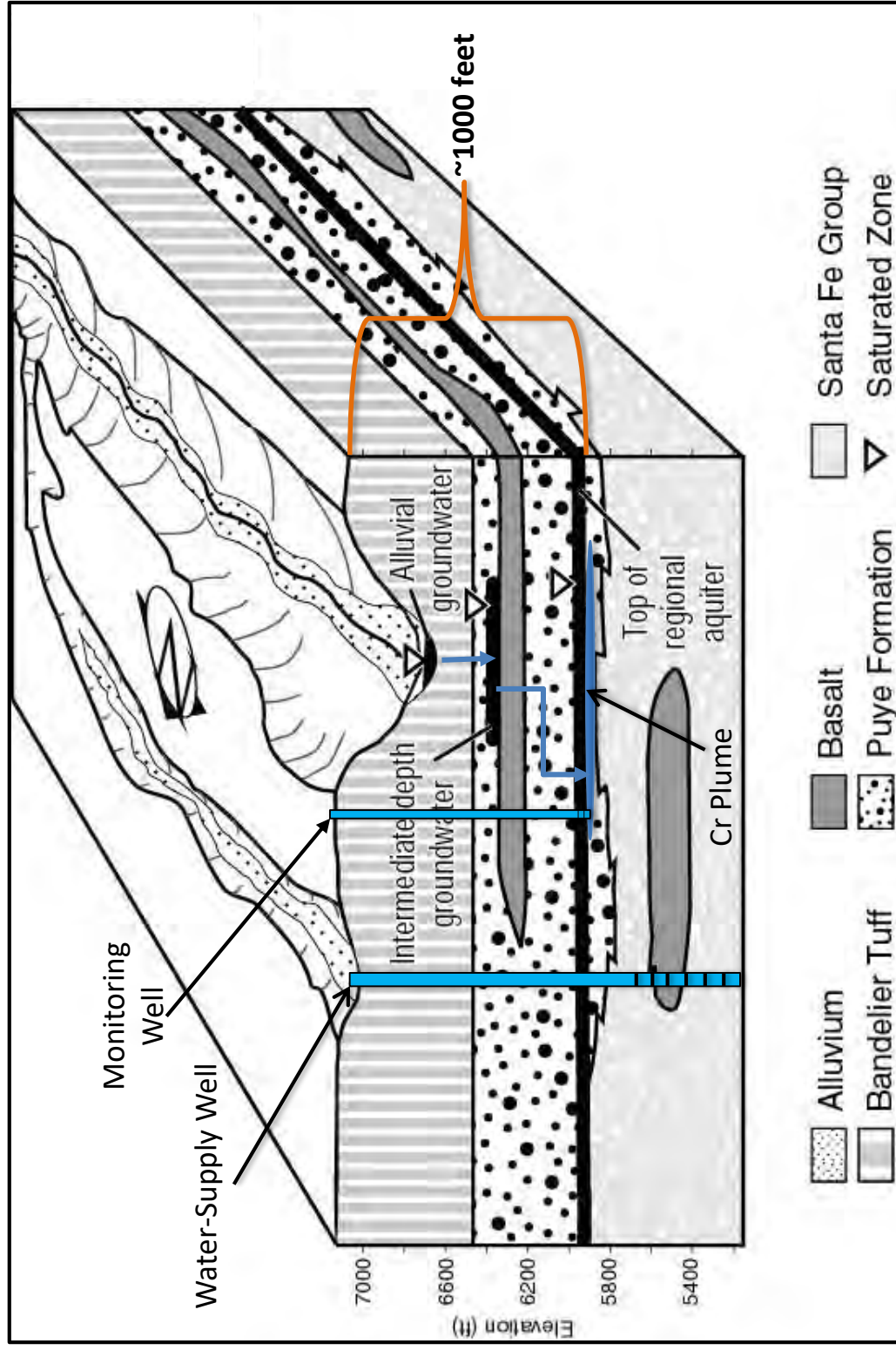


- Groundwater occurrences at Los Alamos
- Where did the chromium in groundwater come from and where is it now?
- What is being done to address the plume?
- Project update
 - Interim Measure
 - Characterization





Simplified Depiction of Groundwater at Los Alamos



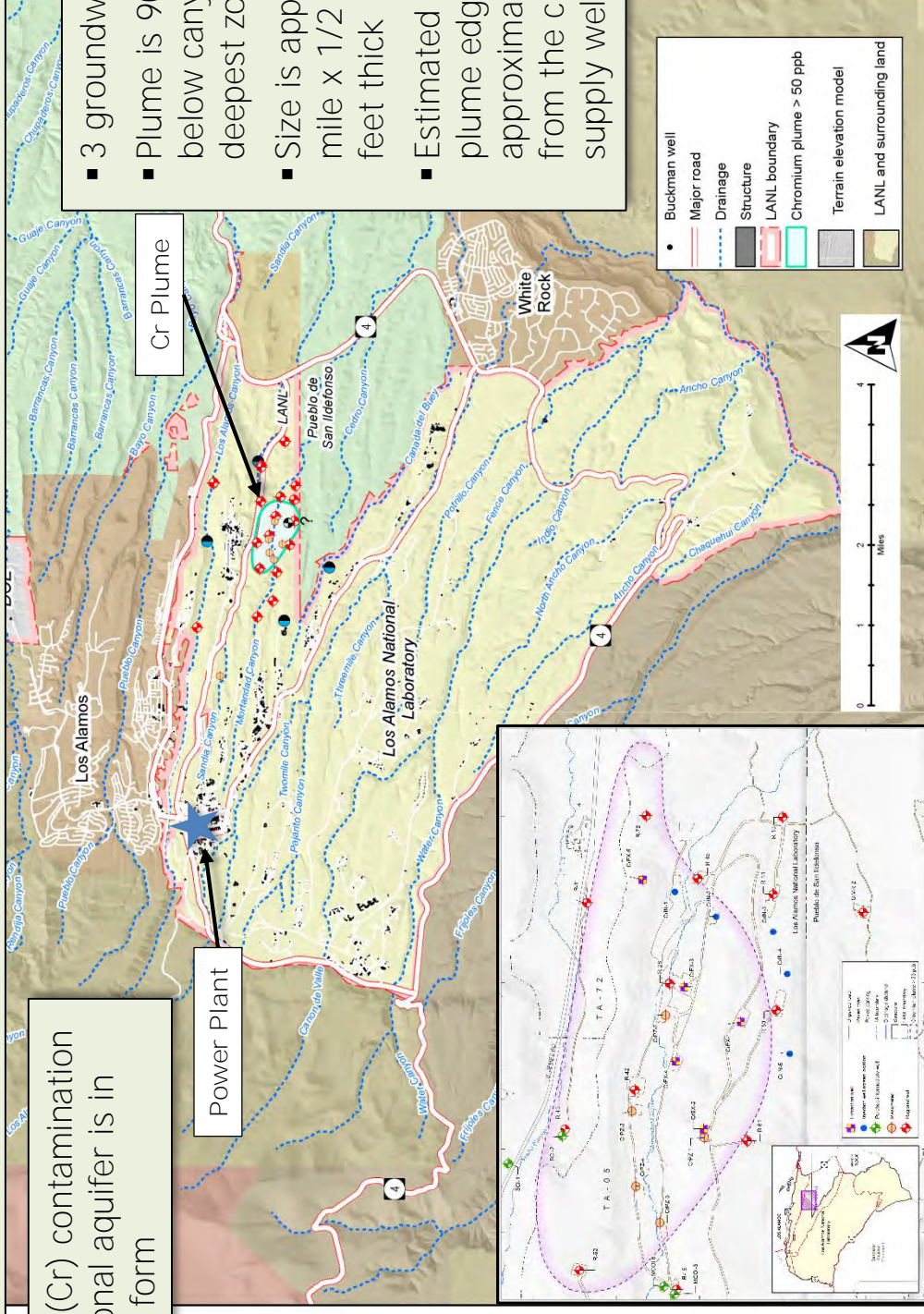


Chromium in Groundwater Beneath LANL

- Potassium dichromate used in cooling towers at a Laboratory power plant
- Up to 160,000 lb released from 1956-72 in hexavalent form [Cr(VI)]

Chromium (Cr) contamination
in the regional aquifer is in
hexavalent form

- 3 groundwater zones
- Plume is 900–1,000 feet below canyon bottom in deepest zone
- Size is approximately 1 mile x 1/2 mile x <75 feet thick
- Estimated downgradient plume edge is approximately 1/4 mile from the closest water-supply well





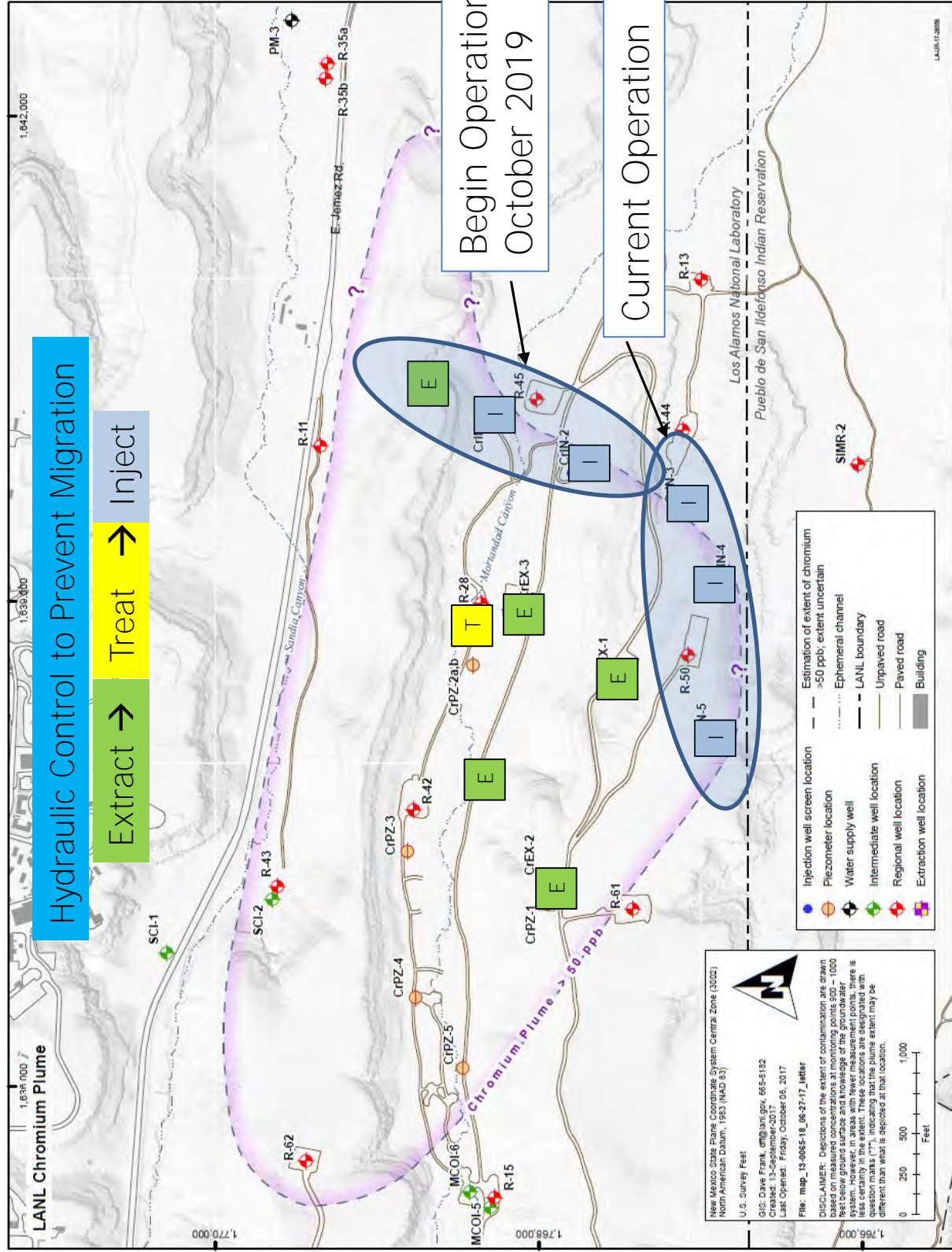
What is being done to address the plume? “Interim Measure”

Hydraulic Control to Prevent Migration

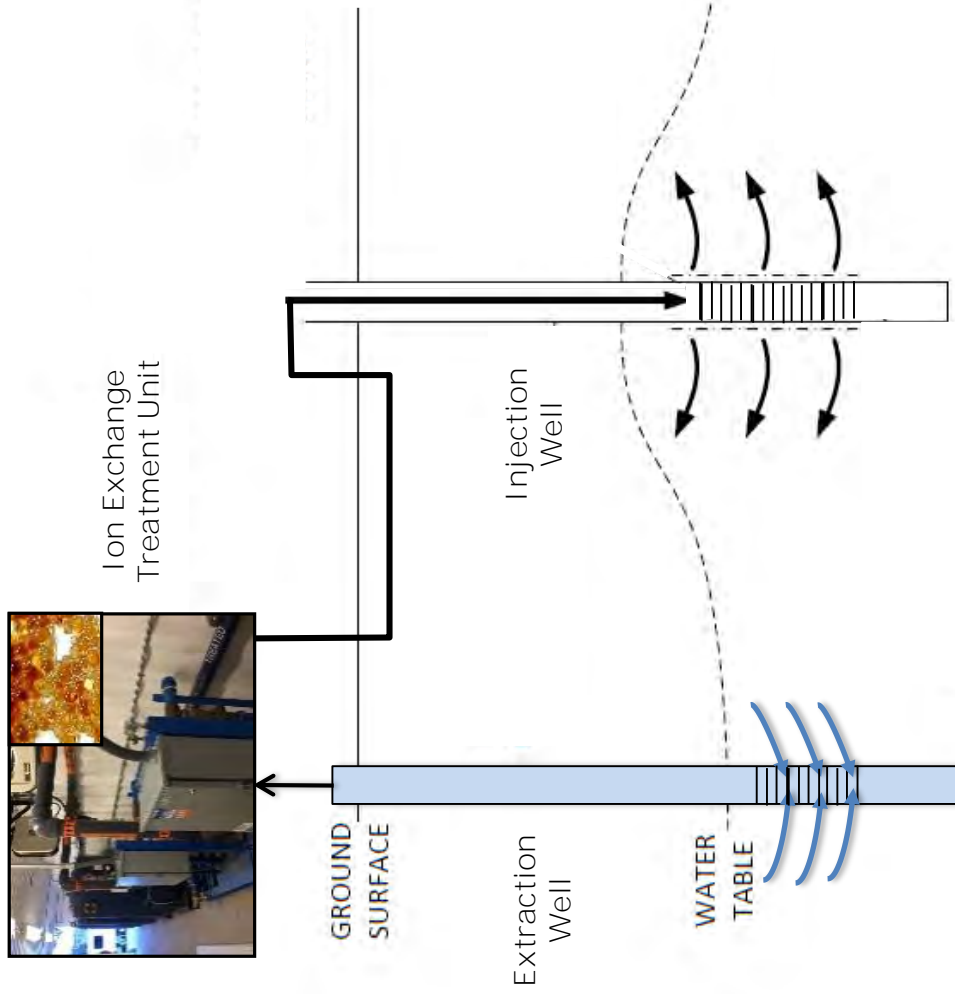
Extract →

Treat →

Inject



Extraction, Treatment & Injection Loop

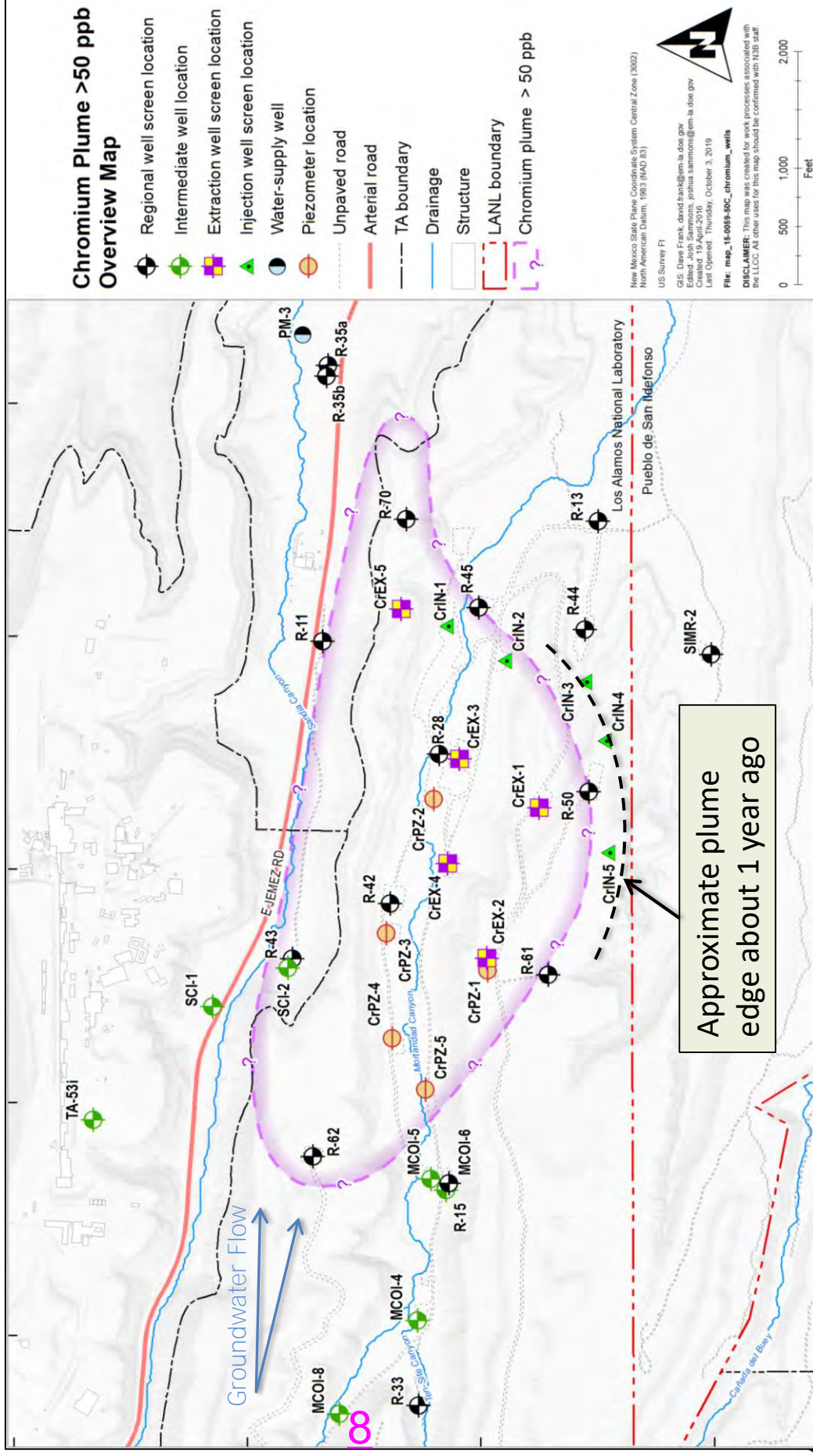


- Contaminated groundwater is pumped from extraction wells
- Groundwater is treated using a method called ion exchange
- Clean water is delivered via buried thick-walled piping to injection wells
- Water exits the injection wells within the aquifer

INJECTED WATER
RESULTS IN
MOUNDING OF THE
WATER TABLE



Current Plume Depiction





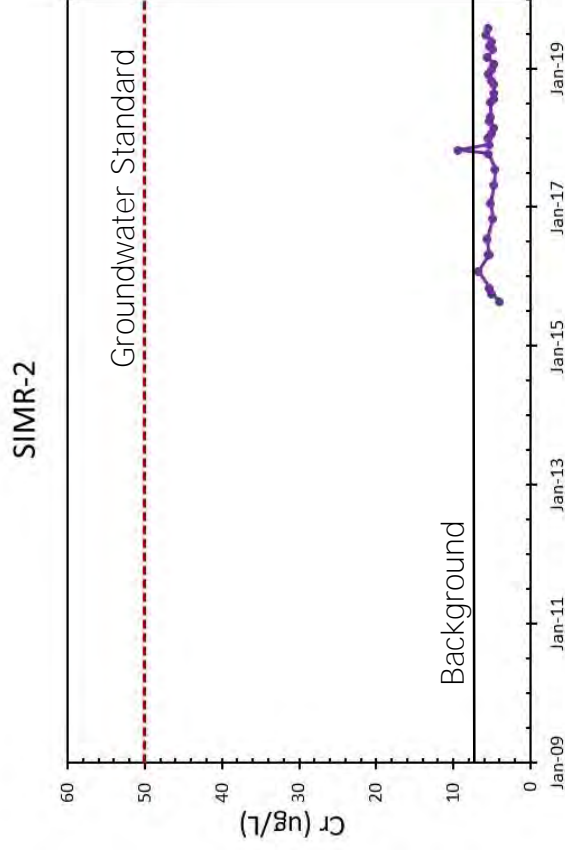
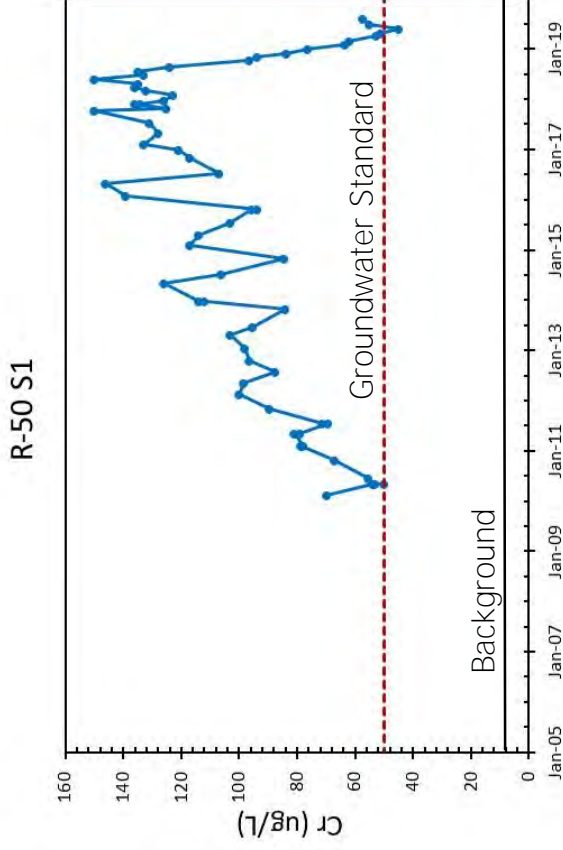
Performance Monitoring Data

- Pumping and injection has been occurring along the southern edge of the plume near the boundary with the Pueblo de San Ildefonso for about a year

- The most recent samples at regional aquifer well R-50, near the Laboratory boundary with the Pueblo de San Ildefonso, show decreased chromium levels to around 50 parts per billion (ppb)

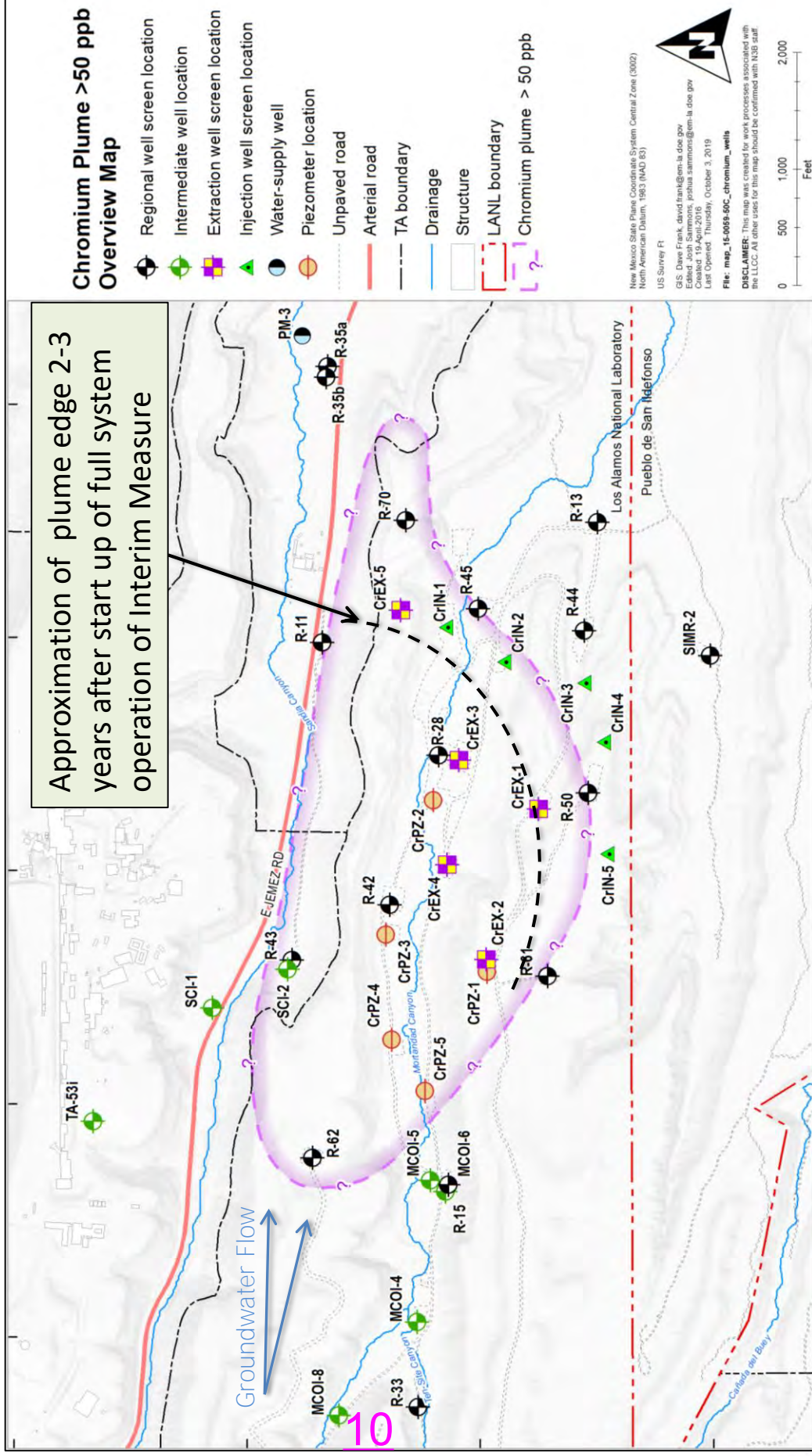


- This indicates that the Interim Measure's hydraulic plume control approach is effective
- Chromium concentrations in SIMR-2 remain below background concentrations for chromium

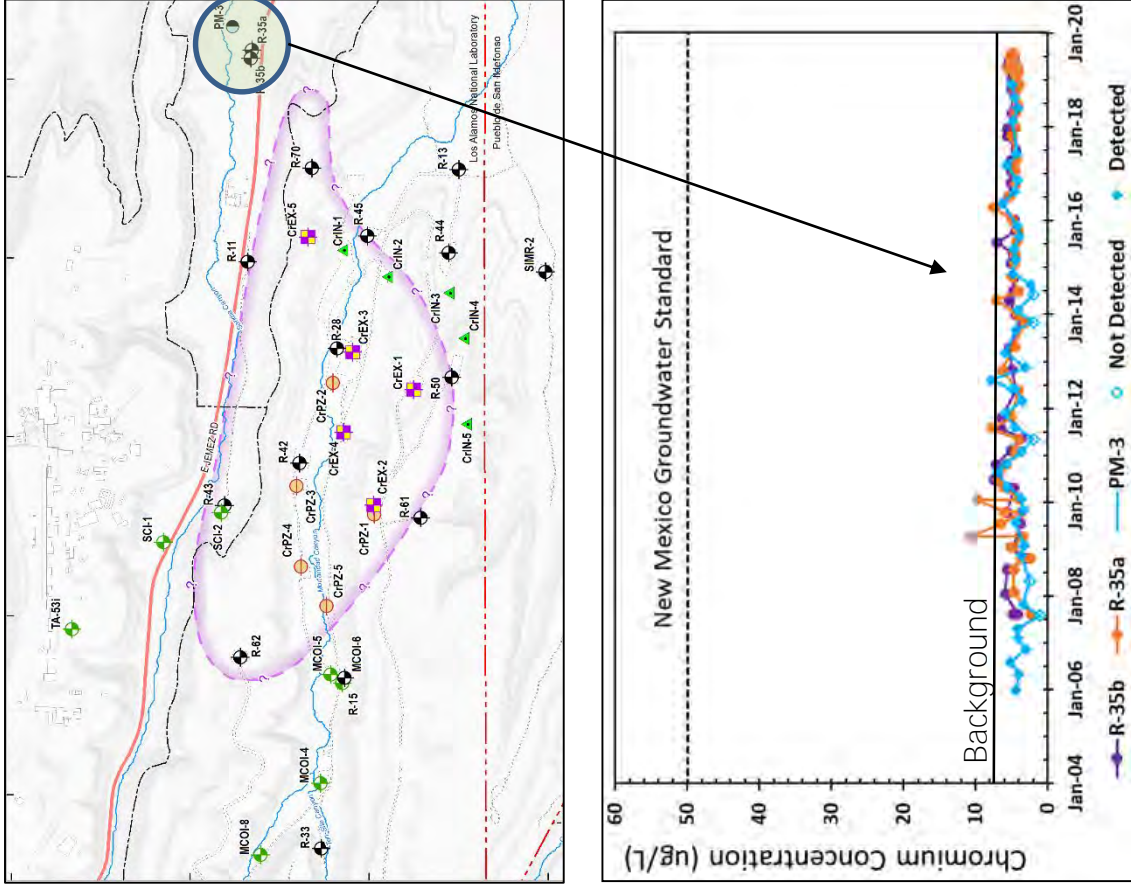




Goal of the Interim Measure



- IM along the southern Laboratory boundary with San Ildefonso operational since May 2018
- Converted injection well CrIN-6 to the 5th extraction well (CrEX-5) in July 2019
- Received Emergency Authorization from NM Office of the State Engineer for use of additional points of diversion in the Cr plume area
- Full implementation of the IM (enabled by Emergency Authorization) is scheduled to begin in October 2019
- New monitoring well R-70 was installed in May 2019 to supplement monitoring of IM performance along the eastern portion of the plume





- Initial sampling results from R-70 have helped better characterize the distribution of chromium in that portion of the plume
- Continue studies to evaluate final remedy
- Two new groundwater monitoring wells (R-71 and R-72) planned for additional characterization of extent of contamination
- Corrective Measures Evaluation Report scheduled for September 2021

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U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**



13

Questions



ENVIRONMENTAL MANAGEMENT
SAFETY ♦ PERFORMANCE ♦ CLEANUP ♦ CLOSURE

Produced by Los Alamos Legacy Cleanup Contractor, N3B Los Alamos
on behalf of DOE's Environmental Management Los Alamos Field Office





County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:	5.A.1
Index (Council Goals):	BCC - N/A
Presenters:	Carrie Walker, Chair of the Board of Public Utilities
Legislative File:	11762-19

Title

Reminder for Upcoming Boards & Commissions Luncheon

Body

The month prior to a Boards & Commissions luncheon, the attendee schedule will be included in the agenda packet as a reminder during the Chair's report.

For the luncheon, the member should prepare a brief report that outlines recent important activities of the Board and highlights upcoming events. The report will be included in the luncheon minutes.

11:30 a.m. - 1:00 p.m. - Council Chambers

2019 Schedule

January 17 - Steve McLin

March 14 - Steve McLin

May 16 - Jeff Johnson

September 19 - Carrie Walker

November 14 - Kathy Taylor

January 16, 2020 - Steve Tobin



County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.: 5.G.1
Index (Council Goals): BCC - N/A
Presenters: Board of Public Utilities
Legislative File: 12050-19

Title

Approval of Department of Public Utilities Mission, Vision and Values, Strategic Goals and Objectives

Recommended Action

I move that the Board of Public Utilities approve the Mission, Vision and Values statements and the FY2021 Strategic Goals and Objectives as presented.

Staff Recommendation

Staff recommends approval of the Mission, Vision and Values statements and the FY2021 Strategic Goals and Objectives as presented.

Body

The Utilities Manager is expected to annually develop strategic objectives and long-term goals and present them to the Board for approval. DPU senior staff held their annual strategic planning meeting on October 10th, 2019. At a special meeting on October 2nd, the Board was asked to provide input to incorporate into planning efforts to ensure alignment of focus areas, strategic objectives and goals with the Board and County priorities. The changes suggested by the Board were included in the attached documents for approval. Staff did not suggest any additional changes at their strategic planning meeting.

Objectives 5.3 and 5.4 related to water and gas conservation as modified will be carried forward into the Request for Proposals (RFP) for the 2020 DPU Energy and Water Conservation Plan update. Staff will return to the Board once the RFP is prepared for review and consideration of a potential sub-committee to be formed for input and recommendations on this plan update.

Alternatives

The Board can approve the documents as presented or request changes.

Fiscal and Staff Impact

None

Attachments

- A - DPU Mission, Vision and Values Statements
- B - DPU Strategic Goals & Objectives

DEPARTMENT OF PUBLIC UTILITIES
MISSION/VISION/VALUES STATEMENTS
Proposed Revisions for Board of Public Utilities Approval
October 16th, 2019

MISSION

Provide safe and reliable utility services in an economically and environmentally sustainable fashion.

VISION

Be a high-performing utility matched to our community, contributing to its future with diversified and innovative utility solutions.

VALUES

We value our:

- CUSTOMERS by being service oriented and fiscally responsible;
- EMPLOYEES AND PARTNERSHIPS by being a safe, ethical and professional organization that encourages continuous learning;
- ~~NATURAL RESOURCES~~ ENVIRONMENT through innovative and progressive solutions;
- COMMUNITY by being communicative, organized and transparent.

**DEPARTMENT OF PUBLIC UTILITIES
STRATEGIC GOALS & OBJECTIVES
BOARD OF PUBLIC UTILITIES SUGGESTED CHANGES & PRIORITIZATION
For Board Approval – October 16th, 2019**

- *Priority indicated by number of votes allotted by each member (nominal voting technique)*
- *1 member allotted 1 vote equally between 5 objectives.*

FOCUS AREA - OPERATIONS & PERFORMANCE

GOAL - 1.0 Provide safe and reliable utility services.

● ●	2	1.6 OBJECTIVE - BUSINESS SYSTEMS - Efficiently implement and maintain secure and reliable business systems.
● ●	2	1.8 OBJECTIVE - Develop a culture of continuous improvement.
●	1	1.7 OBJECTIVE - Utility control and mapping systems and processes are accurate, safe and secure.
--	.2	1.1 OBJECTIVE - WATER (WP/NP/DW) - Efficiently deliver safe and reliable water utility services.
--	.2	1.2 OBJECTIVE - GAS - Efficiently deliver safe and reliable gas utility services.
--	.2	1.3 OBJECTIVE - SEWER (WC & WT) - Efficiently deliver safe and reliable sewer utility services.
--	.2	1.4 OBJECTIVE - ELECTRIC (EP) - Efficiently deliver safe and reliable electric production utility services.
--	.2	1.5 OBJECTIVE - ELECTRIC (ED) - Efficiently deliver safe and reliable electric distribution utility services.

FOCUS AREA - FINANCIAL PERFORMANCE

GOAL - 2.0 Achieve and maintain excellence in financial performance.

● ● ● ●	4	2.1 OBJECTIVE - Utilize revenues to provide a high-level of service while keeping rates competitive with similar utilities.
●	1	2.2 OBJECTIVE - Conduct cost of service studies for each utility at least every 5 years.
●	1	2.3 OBJECTIVE - Meet financial plan targets by 2025 <u>(water by 2028)</u> .
●	1	2.4 OBJECTIVE – Achieve workplans while operating within budget.

FOCUS AREA - CUSTOMERS & COMMUNITY

GOAL - 3.0 Be a customer service-oriented organization that is communicative, efficient, and transparent.

● ● ●	3	3.1 OBJECTIVE - Customer service processes and systems are efficient, <u>secure</u> and user-friendly.
●	1	3.2 OBJECTIVE - Stakeholders are engaged in and informed about Utilities operations affecting the community.

FOCUS AREA - WORKFORCE

GOAL - 4.0 Sustain a capable, satisfied, engaged, ethical and safe workforce focused on customer service.

● ● ●	3	4.3 OBJECTIVE - Employees are engaged, satisfied and fairly compensated.
● ●	2	4.2 OBJECTIVE - Employees promote a culture of safe and ethical behavior.
●	1	4.1 OBJECTIVE - Leaders invest in employee training and professional development.

**DEPARTMENT OF PUBLIC UTILITIES
STRATEGIC GOALS & OBJECTIVES
BOARD OF PUBLIC UTILITIES SUGGESTED CHANGES & PRIORITIZATION
For Board Approval – October 16th, 2019**

FOCUS AREA - ENVIRONMENTAL SUSTAINABILITY

GOAL - 5.0 Achieve environmental sustainability.

● ● ● ●	4	5.1 OBJECTIVE - ELECTRIC (EP & ED) Be a carbon neutral electric provider by 2040.
● ● ● ●	4	5.2 OBJECTIVE - ELECTRIC (ED) – Electrical efficiency is promoted through targeted energy conservation programs. Electric distribution reduction objective to be defined per the 2020 DPU Conservation Plan revision.
● ● ● ●	4	5.4 OBJECTIVE - GAS – Customer heating efficiency is improved to reduce gas usage by 3% by 2030. Gas reduction objective to be defined per the 2020 DPU Conservation Plan revision.
● ●	2	5.3 OBJECTIVE - WATER (DW) – Gallons per capita per day (GPCD) potable water use is reduced by 9% by 2030. Potable water reduction objective to be defined per the 2020 DPU Conservation Plan revision.
● ●	2	5.5 OBJECTIVE - SEWER (WT) - Class 1A effluent water is provided in White Rock.

FOCUS AREA - PARTNERSHIPS

GOAL - 6.0 Develop and strengthen partnerships with stakeholders.

●	1	6.1 OBJECTIVE - Communicate with stakeholders to strengthen existing partnerships and identify new potential mutually beneficial partnering opportunities.
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County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.: 5.I.1
Index (Council Goals): * 2019 Council Goal - N/A
Presenters: Board of Public Utilities
Legislative File: 12406-19

Title

Tickler File for the Next 3 Months

Attachments

A - Tickler File for the Next 3 Months



County of Los Alamos

Los Alamos, NM 87544
www.losalamosnm.us

Tickler

Criteria: Agenda Begin Date: 11/1/2019, Agenda End Date: 1/31/2020, Matter Bodies: Board of Public Utiliti

File Number	Title
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Agenda Date: 11/20/2019

12227-19	Briefing/Report (Dept, BCC) - No action requested	04G General Board Business
	Begin 2019 Board of Public Utilities Annual Self-evaluation	
	Department Name: DPU	Length of Presentation: Apx. 10 Min.
	Drop Dead Date:	Sponsors: Carrie Walker, Chair of the Board of Public Utilities
11707-19	Briefing/Report (Dept, BCC) - No action requested	04G General Board Business
	Quarterly Update on Utility System - Gas Distribution System	
	Department Name: DPU	Length of Presentation: Apx. 30 Min.
	Drop Dead Date:	Sponsors: Jack Richardson, Deputy Utilities Manager - GWS Services
12418-19	Briefing/Report (Dept, BCC) - No action requested	07 Business
	Options for Forming Subcommittees	
	Department Name: DPU	Length of Presentation: Apx. 10 Min.
	Drop Dead Date:	Sponsors: Philo Shelton, Utilities Manager
12360-19	Briefing/Report (Dept, BCC) - No action requested	07 Business
	Discussion of Levelized Cost of Electric Energy Research by Lazard and Request for Proposal Results for Excel Energy in Colorado	
	Department Name: DPU	Length of Presentation: Apx. 15 Min.
	Drop Dead Date:	Sponsors: Steve Tobin, Board - Commission or Committee Member

Agenda Date: 12/18/2019

11763-19	Calendar	04A Chair's Report
	Reminder for Upcoming Boards & Commissions Luncheon	
	Department Name: DPU	Length of Presentation: Apx. 5 Min.
	Drop Dead Date:	Sponsors: Board of Public Utilities
11702-19	Report	04G General Board Business
	Quarterly Conservation Program Update	
	Department Name: DPU	Length of Presentation: Apx. 10 Min.
	Drop Dead Date:	Sponsors: James Alarid, Deputy Utilities Manager - Engineering

File Number	Title	
12408-19	Briefing/Report (Dept, BCC) - No action requested Complete 2019 board of Public Utilities Annual Self-evaluation Department Name: DPU Drop Dead Date:	04G General Board Business Length of Presentation: Apx. 10 Min. Sponsors: Carrie Walker, Chair of the Board of Public Utilities
Agenda Date: 01/15/2020		
12409-19	Election Election of Board of Public Utilities Chair and Vice-chair for 2020 Department Name: DPU Drop Dead Date:	04G General Board Business Length of Presentation: Apx. 10 Min. Sponsors: Carrie Walker, Chair of the Board of Public Utilities
12410-19	Appointment Appointment of Board Member to Audit Committee for 2020 Department Name: DPU Drop Dead Date:	04G General Board Business Length of Presentation: Apx. 5 Min. Sponsors: Carrie Walker, Chair of the Board of Public Utilities
12411-19	Briefing/Report (Dept,BCC) - Action Requested Schedule and Selection of Members to Attend Boards & Commissions Luncheons for 2020 Department Name: DPU Drop Dead Date:	04G General Board Business Length of Presentation: Apx. 5 Min. Sponsors: Carrie Walker, Chair of the Board of Public Utilities
12412-19	Briefing/Report (Dept,BCC) - Action Requested Affirmation of the Incorporated County of Los Alamos Open Meetings Resolution No. XX-XX Department Name: DPU Drop Dead Date:	04G General Board Business Length of Presentation: Apx. 5 Min Sponsors: Carrie Walker, Chair of the Board of Public Utilities
12413-19	Calendar Approval of Board of Public Utilities Meeting Calendar for 2020 Department Name: DPU Drop Dead Date:	04G General Board Business Length of Presentation: Apx. 5 Min. Sponsors: Carrie Walker, Chair of the Board of Public Utilities
12414-19	Briefing/Report (Dept,BCC) - Action Requested Approval of Meeting Agenda Outline for 2020 Department Name: DPU Drop Dead Date:	04G General Board Business Length of Presentation: Apx. 5 Min. Sponsors: Carrie Walker, Chair of the Board of Public Utilities



County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.: 6.A
Index (Council Goals): * 2019 Council Goal - Planning for Appropriate Levels of County Services
Presenters: Bob Westervelt, Deputy Utilities Manager - Finance/Admin
Legislative File: 12225-19

Title

Incorporated County of Los Alamos Code Ordinance No. 02-298; An Ordinance Amending Chapter 40, Article III, Sections 40-201 and 40-202 of the Code of the Incorporated County of Los Alamos Pertaining to the Sewage Service Rate Schedule and Determination of Charges

Recommended Action

I move that the Board of Public Utilities approve Incorporated County of Los Alamos Code Ordinance No. 02-298; An Ordinance Amending Chapter 40, Article III, Sections 40-201 and 40-202 of the Code of the Incorporated County of Los Alamos Pertaining to the Sewage Service Rate Schedule and Determination of Charges, and forward to Council for adoption.

Staff Recommendation

I move that the Board of Public Utilities approve Incorporated County of Los Alamos Code Ordinance No. 02-298; An Ordinance Amending Chapter 40, Article III, Sections 40-201 and 40-202 of the Code of the Incorporated County of Los Alamos Pertaining to the Sewage Service Rate Schedule and Determination of Charges, and forward to Council for adoption.

Body

The ten-year forecast for the sewer utility presented with the FY2020 budget included a series of incremental rate increases to generate revenues needed for current operations and to build cash reserves necessary for future infrastructure needs. In 2016 several alternative long-term scenarios were prepared by staff and presented for Board consideration. After discussion, scenarios were selected that represent the most reasonable balance between increased rates and necessary system expenditures and have been the foundation upon which the ten-year budgetary projections have been based. That approach helps consumers adjust to increasing costs over time but provides adequate funding for planned initiatives in each year. The rate trajectory was considered in the long-range proposals discussed in 2016 and has been reviewed and adjusted each year since. There have been some opportunities taken advantage of, such as the refinancing of existing debt for the Los Alamos Treatment Facility and the one-time transfer of excess funds from the gas utility to the sewer utility. The long-range projections have been adjusted as appropriate to account for these actions, and to reflect actual operational experience since first implemented. In the presentation attached and presented this

evening we show those adjusted long-range plans and highlight the rate trajectories included in our budgets, and the resulting cash position in relation to adopted cash targets. Staff now feels confident the short to mid-term rate trajectory proposed in the FY2020 budget are appropriate for the three-year horizon at least and is thus proposing a multi-year rate adjustment at this time. Three years projected rate increases are included in the rate ordinances proposed.

The advantages to implementing the multi-year proposal are numerous. Importantly, it provides for the rate adjustments to be programmed into the two -ear county budget cycle. With the current rate adjustment process, that is difficult to accomplish, and rates typically have been enacted several months after the beginning of a fiscal year, which means that projected revenues for those first several months are not realized. Doing a multi-year incremental rate adjustment also allows planned revenues to match the timing of planned expenditures, rather than accumulating excess cash early on for expenditure in a later period. Further, it allows our customers to plan and budget for future anticipated utilities costs, rather than experience the “rate shock” of unanticipated rate increases on a more frequent basis. Enacting a multi-year ordinance in no way limits the Board from later proposing another ordinance to change rates, either up or down, during that three-year period if operational experience necessitates such action. Should it become apparent that the rates proposed are either not achieving the revenue requirements of the systems, or are exceeding them, there is no reason why they could not be adjusted in the interim. This multi-year proposal simply provides for seamless and timely implementation of the rate projections should future results tie within reasonable variation to budget projections.

Included in the presentation attached as Exhibit A are the rate comparisons with neighboring and similar communities, costs as a percentage of median household income, and long-term utilities costs projections normally presented with proposed rate adjustments. These continue to demonstrate that even with the challenges of our complicated system and mountainous terrain, consumer costs for sewer services remain competitive and reasonable for our community.

The proposed rates should restore cash flow to an acceptable level in the sewer systems and provide adequate funding for necessary repairs and replacements and continuing operations and provide for movement toward our long-term cash reserve goals. In the sewer utility, through the specific actions mentioned previously, projections are that we will achieve target cash reserves by 2023, much earlier than previously anticipated. Once achieved, it is anticipated that rate adjustments simply to account for inflation will suffice for the foreseeable future.

In the weeks since the initial Board discussion, staff has conducted considerable public outreach. In addition to the public notices required for consideration of an ordinance, a 90-minute documentary produced by Penn State Public Broadcasting, “Liquid Assets - The Story of our Water Infrastructure” was advertised and aired six times on PAC-8. This documentary highlights the critical role water, sewer and storm water infrastructure plays in safeguarding quality of life nationwide. While the documentary doesn’t specifically address Los Alamos, it is relevant to our community. In addition, staff hosted two public meetings, one in White Rock and one in Los Alamos, at which an abbreviated, sixteen minute version of the documentary was presented, as well as numerous “story boards” showing our condition assessment, historical system maintenance and upgrade expenditures, and the status of our financial position in relation to targets, and how and why those targets were determined. We also covered “frequently asked

questions” and took notes of other questions that came up for further discussion. The materials presented at those meetings, as well as the “FAQ” are attached herewith as Exhibits B and C. Also, the FAQ's has information about the Utility Assistance Program that qualified customers may apply for assistance with aid.

The Proposed ordinance is attached as Exhibit D, and the Required Notice of Publication is attached as Exhibit E

Alternatives

Several alternative financial scenarios were presented and discussed by the Board in previous discussions. In addition, Jack Richardson, Deputy Manager of Gas, Water and Sewer, has updated some of the information previously presented for presentation to the Board here this evening. Any of those paths forward could be considered as an alternative to the proposal presented here. As noted above, in all the scenarios discussed a series of rate increases are going to be needed to fund necessary operations and replacement of facilities through rates. Other scenarios could be considered with more significant rate increases being implemented to fund more rapid system upgrades, or funding sources other than rates could be considered. If no action is taken, we would have to continue to curtail maintenance and replacements and system reliability will suffer.

Fiscal and Staff Impact

The budgeted increases are expected to generate additional revenues of \$279,939; \$158,004; and \$118,502 in FY20, 21, and 22 respectively.

Attachments

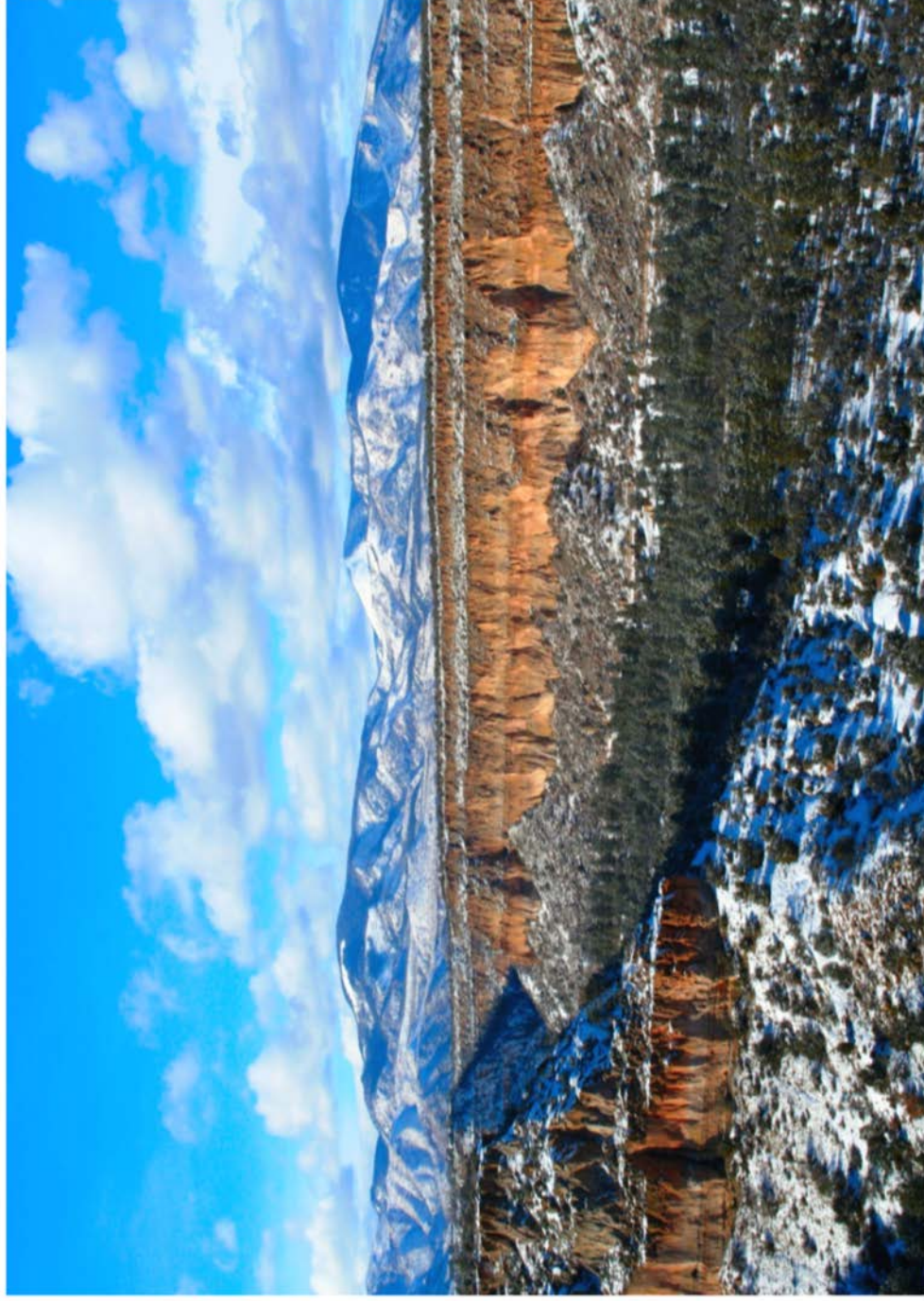
- A. Staff presentation - FY2020 Proposed Sewer Rate Adjustments
- B. Story Boards from Public Meetings
- C. Frequently Asked Questions and Answers
- D. Code Ordinance 02-298 - Sewer Rates
- E. Notice of Publication

Wastewater Rate Adjustments

FY 2020 thru FY 2022

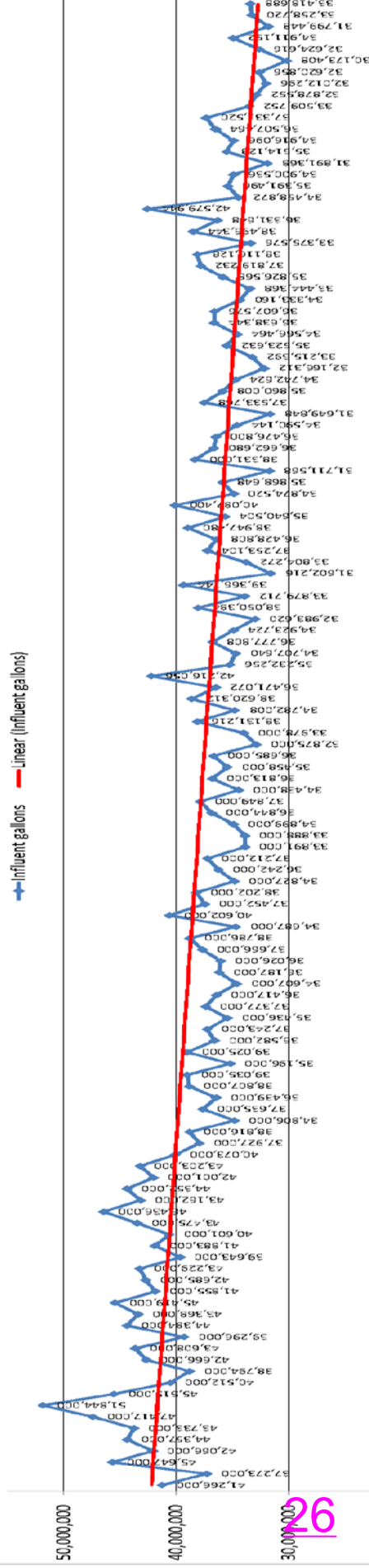
Board of Public Utilities & County Council

October thru November 2019 Meetings



Total LA + WR WWTP Influent Flow 2006 - 2016

Los Alamos and White Rock - Total WWTP Influent Flow (gallons)



DPU Estimates that the WW Influent Flow Trend is Beginning to Flatten. 20 Years of Housing Remodels to Low Water Use Plumbing Fixtures has Occurred & New Housing is Finally Starting to be Built.

Nov/2016
Sep/2016
Jul/2016
May/2016
Jan/2016
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Jan/2006

DPU Financial Policy for Cash Reserves – Waste Water Fund

In Each Utilities Fund or Sub-Fund:

1. 180-Days of Budgeted O&M Expenses for the Following Year (90-Days Min. Floor)
2. Debt Service Reserve (Sufficient to Fund All Debt Service for the Following Year)
3. Contingency Reserve (**Only One Occurrence in any Single Year**)
 - WC = \$750,000 Replace a Major Segment of Pipeline
 - WT = \$750,000 Replace a Major System or Component
4. Retirement/Reclamation Reserve (**Only One Occurrence in any Single Year**)
 - WC = \$150,000 Abandon a Sewer Lift Station
 - WT = \$150,000 Abandon a Treatment System Basin & Equipment

Cash Balance and Risk Sharing Between System Sub-Funds/Sub-Groups
WC & WT Sub-Group's Budgets for Contingency and Retirement/Reclamation Reserves are Split 50/50

5. Actual CIP Program Expenditures for the Following Year – or – The System's Annual Depreciation Plus 2.5% (whichever is greater)

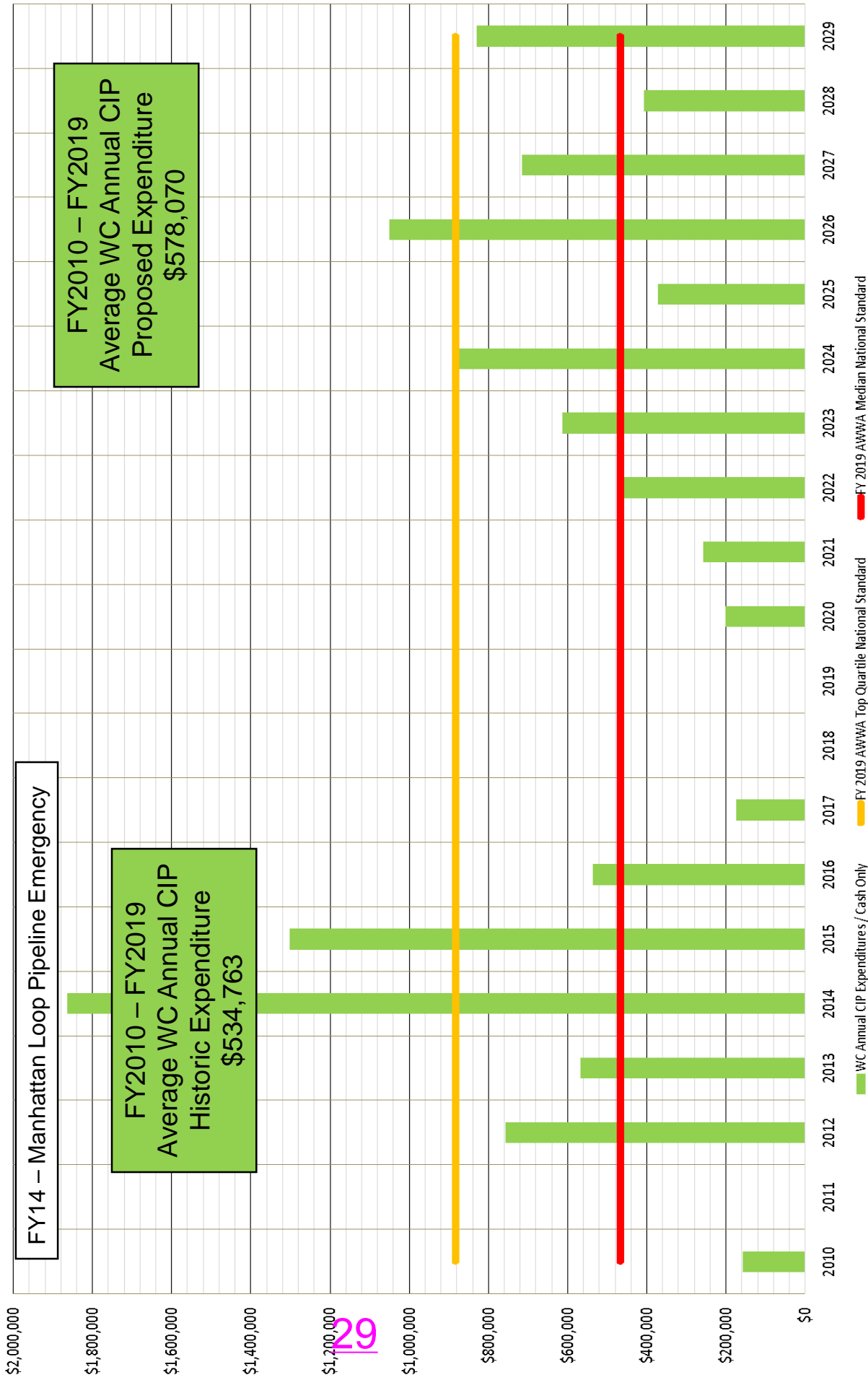
Capital Improvement Program (CIP) – Waste Water Fund
Financial Policy versus Historic & Proposed

5. Actual CIP Program Expenditures for the
Following Year – or – The System's Annual
Depreciation Plus 2.5% (whichever is greater)

- WC = \$496,394 (FY20 Dep. + 2.5%) Compared to \$534,763 (Historic) & \$578,070 (Proposed)
- WT = \$330,930 (FY20 Dep. + 2.5%) Compared to \$188,825 (Historic) & \$324,029 (Proposed)

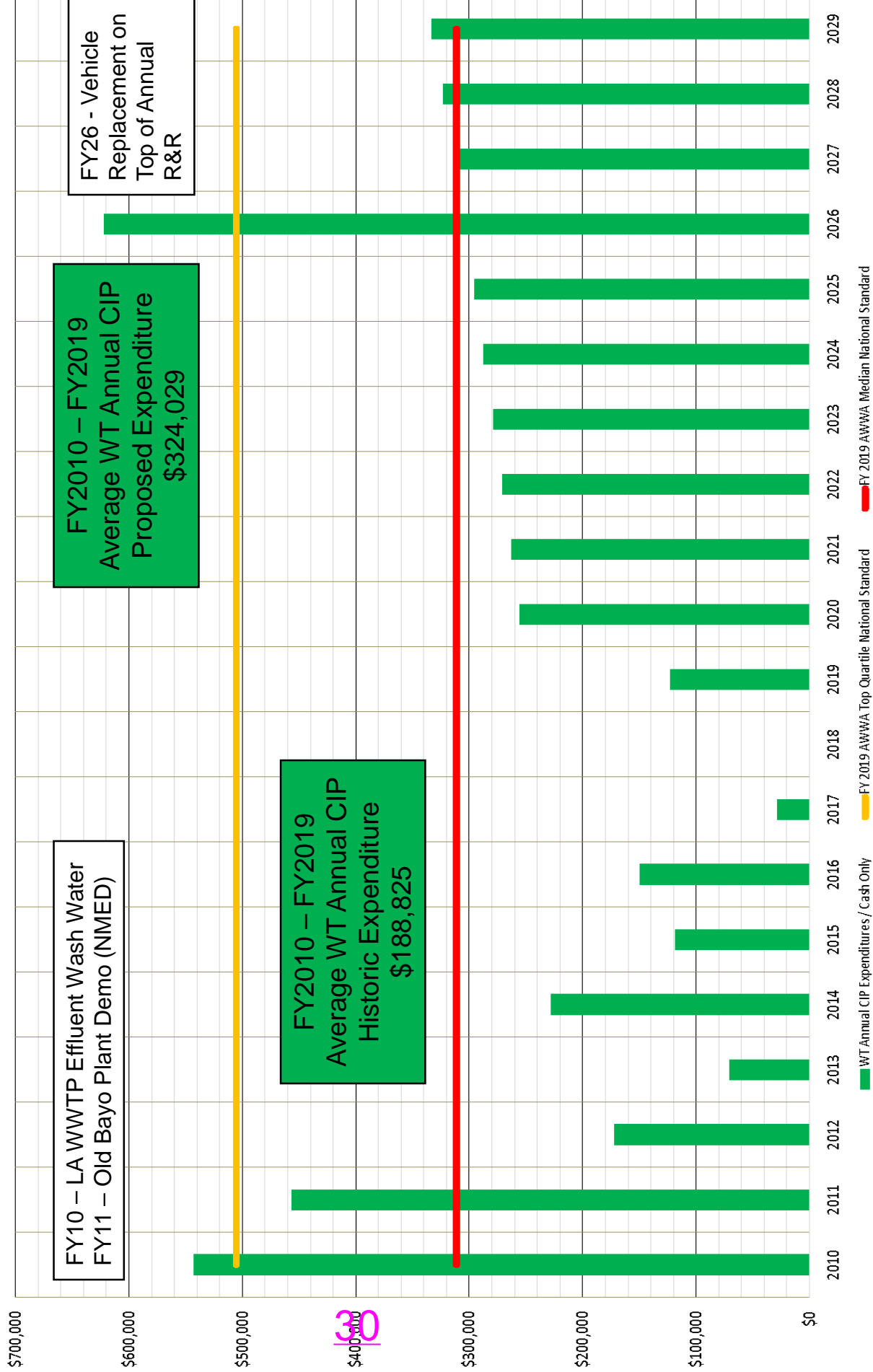
AWWA / Wastewater WC Sub-System R & R

WC CIP EXPENDITURES / FY 2010 - FY 2019 HISTORIC & FY 2020 - FY 2029 PROPOSED VERSUS AWWA NATIONAL STANDARD



AWWA / Wastewater – WT Sub-System R & R

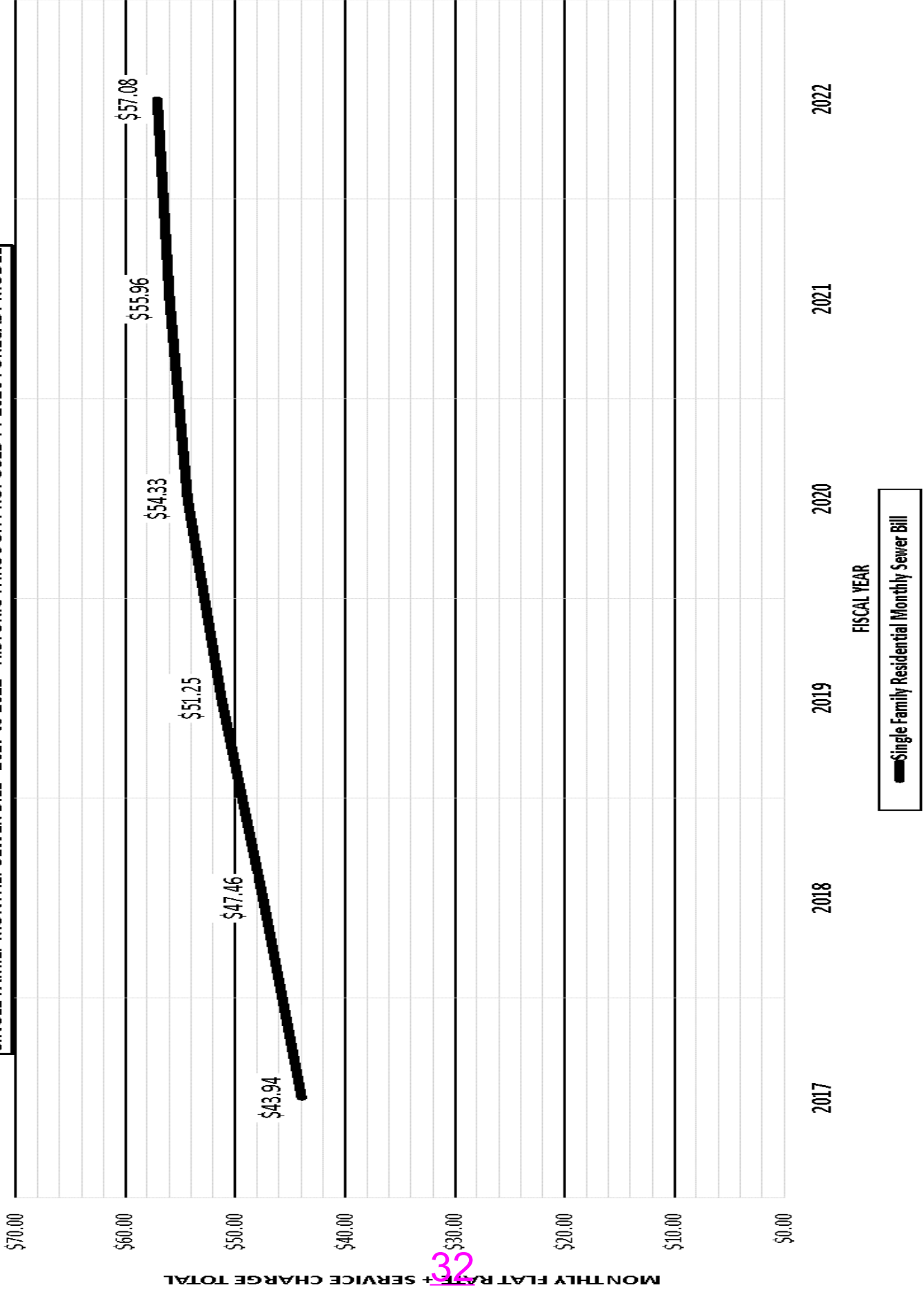
WT CIP EXPENDITURES / FY 2010 - FY 2019 HISTORIC & FY 2020 - FY 2029 PROPOSED VERSUS AWWA NATIONAL STANDARD



National Comparable - AWWA / System R & R – W & WW

System Renewal & Replacement AWWA National Standard Percentages							
	Actual CY 2017 / Dashboard FY 2020 AWWA System Renewal & Replacement Percentage		Actual FY 2018 / Dashboard FY 2020 Present Worth Value of the GWS Sub-Group System	Annual Repair & Replacement National Standard (PWV) X (System R&R %)			
AWWA Asset Class	Bottom Quartile	Median	Top Quartile	Bottom Quartile	Median	Top Quartile	
1. Water Supply	0.7%	1.9%	5.1%				
2. Water Treatment Facilities (not used)	1.1%	2.4%	5.5%				
3. Water Pump Station	0.5%	1.2%	6.4%				
4. Water Transmission and Distribution	0.6%	1.5%	2.7%				
5. Wastewater Collection	0.8%	1.5%	3.0%				
6. Wastewater Pump Stations	1.6%	3.1%	5.7%				
7. Wastewater Treatment	0.9%	2.3%	3.4%				
Water Production (average 1, 3 & 4)	0.60%	1.53%	4.73%	\$34,456,203	\$527,180	\$1,629,778	
Water Distribution (4 only)	0.60%	1.50%	2.70%	\$18,715,209	\$280,728	\$505,311	
Wastewater Collection (average 5 & 6)	1.20%	2.30%	4.35%	\$20,306,557	\$467,051	\$883,335	
Wastewater Treatment (7 only)	0.90%	2.30%	3.40%	\$13,537,704	\$311,367	\$460,282	

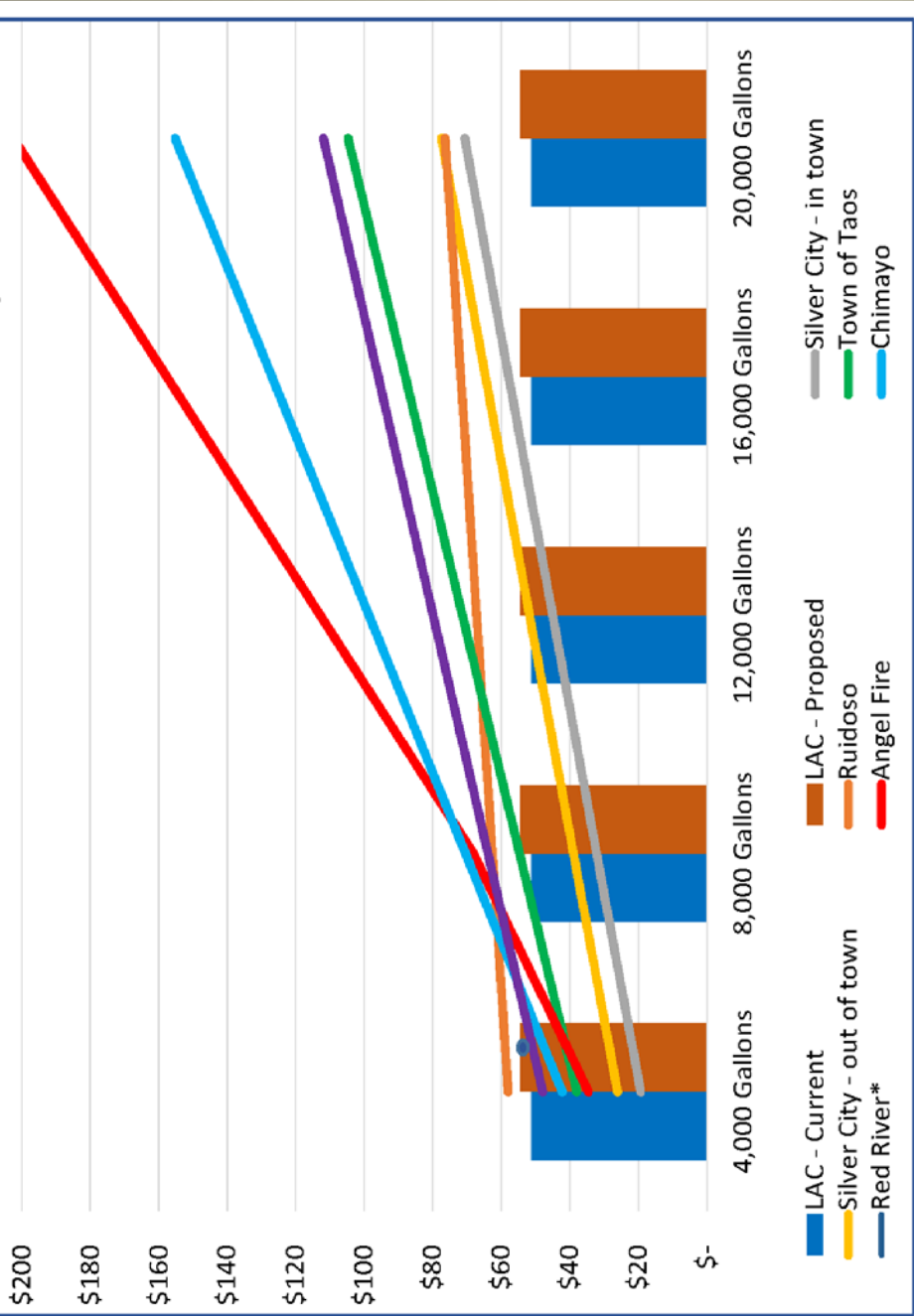
SINGLE FAMILY MONTHLY SEWER BILL - 2017 to 2022 - HISTORIC THROUGH PROPOSED FY 2020 FORECAST MODEL



Projected Average Sewer Bill for Residential Customers - FY 2017 through FY 2022									
	Monthly Sewer	Rate Increase Percentage	Additional Annual Cost Over Previous Year	Los Alamos Median Household Income *	Assumed Annual Income Increase	Percentage of Income Needed to Pay Sewer Bill	New Mexico Median Household Income **	Assumed Annual Income Increase	Percentage of Income Needed to Pay Sewer Bill
FY2017	\$43.94	8.00%	\$39.00	\$110,190	2.5%	0.48%	\$46,744	0.0%	1.13%
FY2018	\$47.46	8.00%	\$42.18	\$112,945	2.5%	0.50%	\$46,744	0.0%	1.22%
FY2019	\$51.25	8.00%	\$45.56	\$115,768	2.5%	0.53%	\$46,744	0.0%	1.32%
FY2020	\$54.32	6.00%	\$36.82	\$118,663	2.5%	0.55%	\$46,744	0.0%	1.39%
FY2021	\$55.95	3.00%	\$19.56	\$121,629	2.5%	0.55%	\$46,744	0.0%	1.44%
FY2022	\$57.07	2.00%	\$13.44	\$124,670	2.5%	0.55%	\$46,744	0.0%	1.47%
* 2017 data point from https://www.census.gov/quickfacts/fact/table/losalamoscountynewmexico/PST045217 - 2013-2017 data, 2017 dollars									
** https://www.deptofnumbers.com/income/new-mexico/ - 2017 data									

AWWA Sewer Service Affordability for FY 2020
 National Benchmark Median Value = 0.78%
 Compared to National Median Household Income

NM Mountainous Communities Residential Sewer Rate Comparison

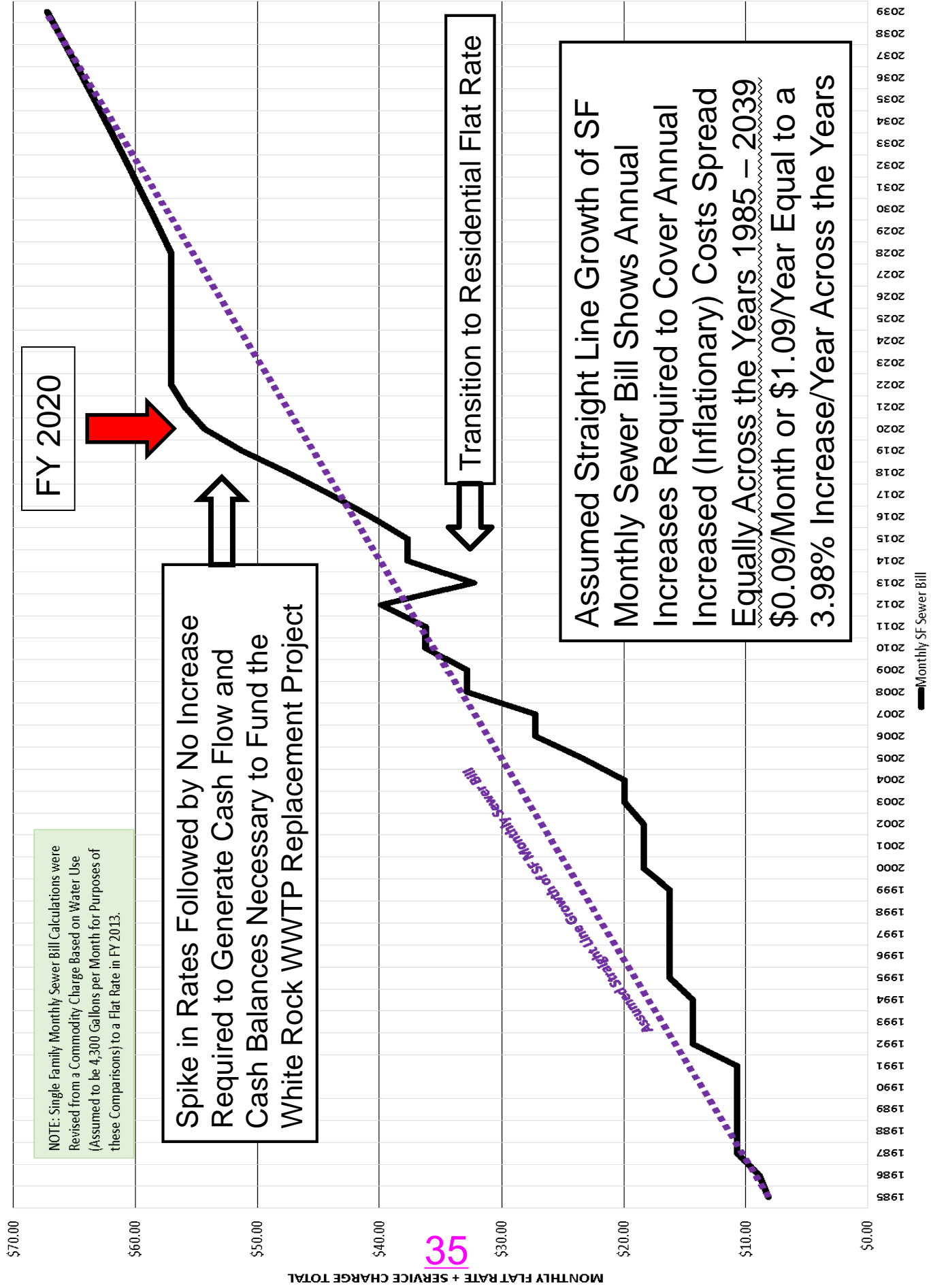


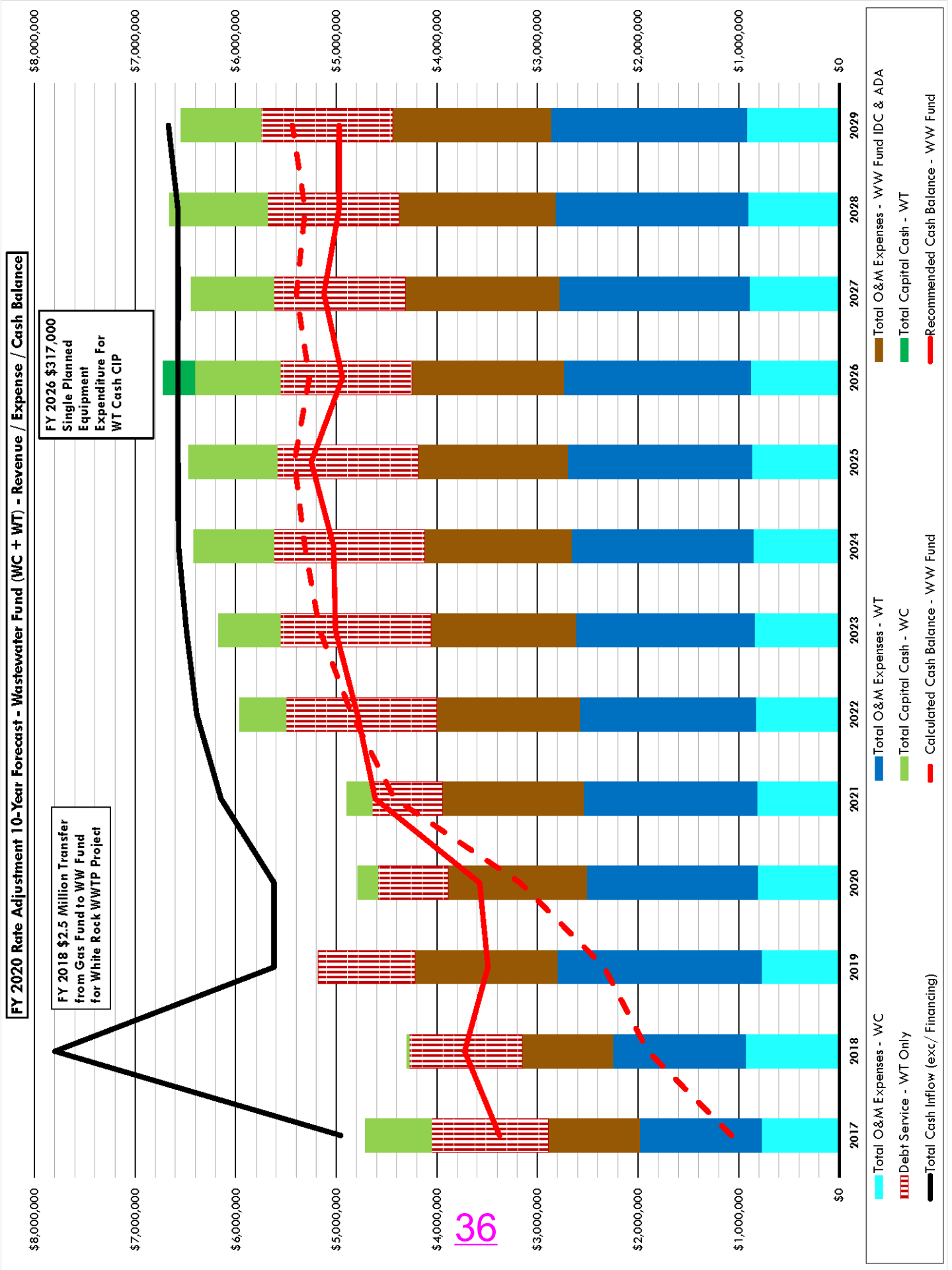
RESIDENTIAL SEWER RATES: LOS ALAMOS VS. COMPARABLE COMMUNITIES

Monthly Usage	LAC - Current	LAC - Proposed	Silver City - town	Silver City - out of town	Ruidoso	Town of Taos	Red River*	Angel Fire	Chimayo	Aztec
4,000 Gallons	51.24	54.32	19.34	26.10	58.04	38.02		34.59	42.26	47.95
6,000 Gallons	51.24	54.32	25.76	32.52	60.34	46.36	47.99	34.59	56.38	55.95
8,000 Gallons	51.24	54.32	32.18	38.94	62.64	54.70		68.16	70.50	63.95
12,000 Gallons	51.24	54.32	45.02	51.78	67.24	71.38		112.92	98.74	79.95
14,000 Gallons	51.24	54.32	51.44	58.20	69.54	79.72		135.30	112.86	87.95
16,000 Gallons	51.24	54.32	57.86	64.62	71.84	88.06		157.68	126.98	95.95
20,000 Gallons	51.24	54.32	70.70	77.46	76.44	104.74		202.44	155.22	111.95
30,000 Gallons	51.24	54.32	102.80	109.56	87.94	146.44		314.34	225.82	151.95

* Available data for Red River is for Dec. 2015, 6 kgal only.

SINGLE FAMILY MONTHLY SEWER BILL - 1985 to 2039 - HISTORIC THROUGH PROPOSED FY 2020 FORECAST MODEL





CONCLUSIONS & RECOMMENDATIONS

- The Long Range Rate Adjustment Plan Executed by DPU over the Past Few Years has Established a Multi-Year Record of Financial Health Improvement in All Funds and Sub-Funds
- The Proposed CIP Programs for Each Sub-Group are Planned to Reach a “Modern Acceptable Standard” in Terms of Capacity and Physical Integrity Within the Current Long Range (20-Year) Planning Period
- It is Not Recommended to Further Delay Any System’s CIP Program
- If the Current Proposal for a 3-Year Rate Adjustment Program is Approved, and if Everything Goes According to Plan, the Financial Policy Goals of the BPU Will be Met By FY 2025 and the CIP Needs of all Sub-Groups Will be Met

Continuous Improvement Steps

- Continue to Research Ways to Emphasize Repair & Rehabilitation of Existing Facilities In Lieu of Full CIP Replacement
- Annually Verify That All Revenue Related Assumptions Regarding Projected Sales Volumes, Number of Housing Units, Etc. Are Accurate In the Financial Models
- Annually Refine the Financial Models Data Sets and Assumptions
- Annually Review and Potentially Revise Proposed CIP Costs and Future Rates Based on the Best Available Data and Refined Model Output
- Every Year's Budget Includes a 10-Year Forecast Based on the Reviewed & Refined Financial Models

Questions?

For a copy of this presentation please provide your email address on a comment card or directly email

jack.richardson@lacnm.us

Deputy Utilities Manager – Gas, Water, Sewer

662-8215

Department of Public Utilities

Proposed Sewer Rate Increases Residential and Commercial Customers

Sewer Rates

(Residential Single Family, Multi-Family Units & Apartments individually metered for water)

	Current	6% Increase 11/26/19	3% Increase 10/01/20	2% Increase 10/01/21
Monthly Svc Fee Per Account:	\$11.09	\$11.76	\$12.11	\$12.35
Fixed Rate to Collect & Treat Per Dwelling Unit	\$40.15	\$42.56	\$43.84	\$44.72
Total Sewer Charges	\$51.24	\$54.32	\$55.95	\$57.07

Sewer Rates

(Residential Multi-Family Units, Apartments, Subdivisions not individually metered for water)

	Current	6% Increase 11/26/19	3% Increase 10/01/20	2% Increase 10/01/21
Monthly Svc Fee Per Account:	\$11.09	\$11.76	\$12.11	\$12.35
Fixed Rate to Collect & Treat Per Dwelling Unit	\$33.45	\$35.46	\$36.52	\$37.25
Total Sewer Charges	\$44.54	\$47.22	\$48.63	\$49.60

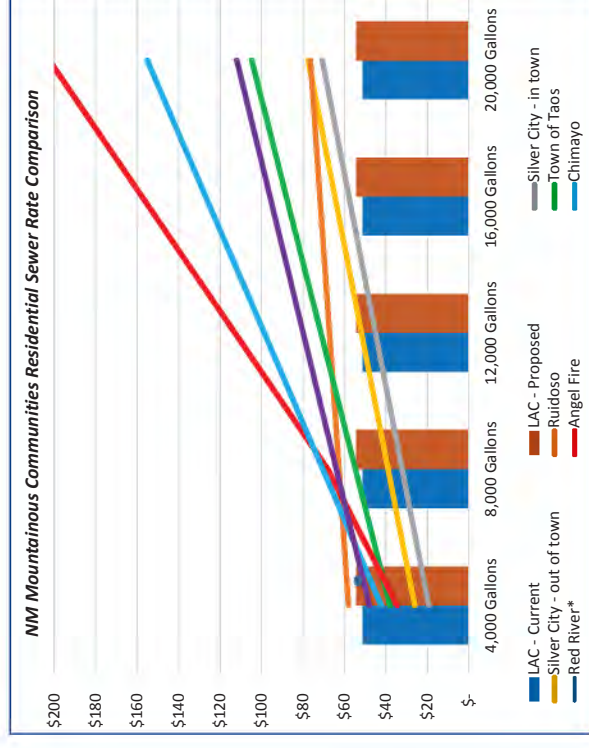
Sewer Rates

Commercial Customers Including County and Schools (Non-Residential)

	Current	6% Increase 11/26/19	3% Increase 10/01/20	2% Increase 10/01/21
Monthly Svc Fee Per Account:	\$11.09	\$11.76	\$12.11	\$12.35
Variable Rate to Collect & Treat/1000 gallons*	\$18.90	\$20.03	\$20.63	\$21.04

*Customers Adjusted monthly average of potable water use as metered during the previous winter measuring period. The minimum variable amount shall be 2000 gallons.

Sewer Rate Comparison With Other Communities



RESIDENTIAL SEWER RATES: LOS ALAMOS VS. COMPARABLE COMMUNITIES

Monthly Use Gallons	LAC Current	LAC Proposed	Silver City (In town)	Silver City (Out of town)	Ruidoso	Town of Taos	Red River*	Angel Fire	Chimayo	Aztec
4,000	\$51.24	\$54.32	\$9.34	\$26.10	\$58.04	\$38.02	\$34.59	\$34.59	\$42.26	\$47.95
6,000	\$51.24	\$54.32	\$25.76	\$32.52	\$60.34	\$46.36	\$47.99	\$47.99	\$56.38	\$55.95
8,000	\$51.24	\$54.32	\$32.18	\$38.94	\$62.64	\$54.70	\$68.16	\$68.16	\$70.50	\$63.95
12,000	\$51.24	\$54.32	\$45.02	\$51.78	\$67.24	\$71.38	\$112.92	\$112.92	\$98.74	\$79.95
14,000	\$51.24	\$54.32	\$51.44	\$58.20	\$69.54	\$79.72	\$135.30	\$135.30	\$112.86	\$87.95
16,000	\$51.24	\$54.32	\$57.86	\$64.62	\$71.84	\$88.06	\$157.68	\$157.68	\$126.98	\$95.95
20,000	\$51.24	\$54.32	\$70.70	\$77.46	\$76.44	\$104.74	\$202.44	\$202.44	\$155.22	\$111.95
30,000	\$51.24	\$54.32	\$102.80	\$109.56	\$87.94	\$146.44	\$314.34	\$314.34	\$225.82	\$151.95

* Available data for Red River is For Dec. 2015, 6,000 gallons only.

10-Year Financial Forecast

FY2020 through FY2029

Water Fund Cash Reserve Analysis

	BUDGET FY 2020	FORECAST FY 2021	FORECAST FY 2022	FORECAST FY 2023	FORECAST FY 2024	FORECAST FY 2025	FORECAST FY 2026	FORECAST FY 2027	FORECAST FY 2028	FORECAST FY 2029
DRINKING WATER (DW) AND WATER PRODUCTION (WP) UTILITIES CASH RESERVES										
Combined Cash Balance DW & WP	1,811,656	3,354,835	3,734,691	5,088,616	5,799,906	5,878,008	6,322,684	6,695,559	7,003,055	6,695,845
Recommended Cash Balance (DW)	1,748,985	1,617,567	1,638,644	1,660,006	1,681,656	1,703,598	1,725,836	1,748,375	1,771,219	1,794,371
Recommended Cash Balance (WP)	4,273,876	4,375,473	4,478,477	4,822,161	4,924,019	4,912,436	4,845,637	4,949,583	5,047,437	5,106,562
Total Recommended Cash Balance	6,022,861	5,993,040	6,117,121	6,482,167	6,605,675	6,616,034	6,571,473	6,697,958	6,818,655	6,900,933
TARGET RESERVE BALANCES										
Debt Service Reserve	258,373	306,914	356,139	645,312	691,916	624,327	500,759	547,161	586,686	586,687
Operations Reserve	2,898,914	2,787,899	2,829,717	2,872,163	2,915,246	2,958,974	3,003,359	3,048,409	3,094,135	3,140,547
Capital Expenditures Reserve	2,092,905	2,113,968	2,135,242	2,156,729	2,178,430	2,200,349	2,222,487	2,244,846	2,267,428	2,290,237
Contingency Reserve	772,669	784,259	796,023	807,963	820,082	832,384	844,869	857,542	870,406	883,462
Total Reserve Balance	6,022,861	5,993,040	6,117,121	6,482,167	6,605,675	6,616,034	6,571,473	6,697,958	6,818,655	6,900,933
RESERVE BALANCE FORECAST										
Debt Service Reserve	258,373	306,914	356,139	645,312	691,916	624,327	500,759	547,161	586,686	586,687
Operations Reserve	1,553,282	2,787,899	2,829,717	2,872,163	2,915,246	2,958,974	3,003,359	3,048,409	3,094,135	3,140,547
Capital Expenditures Reserve	-	260,023	548,834	1,571,141	2,178,430	2,200,349	2,222,487	2,244,846	2,267,428	2,290,237
Contingency Reserve	-	-	-	-	14,313	94,358	596,080	855,143	870,406	678,374
Total Cash Remaining	-	-	-	-	-	-	-	-	184,399	-

Wastewater (Sewer) Fund Cash Reserve Analysis

	BUDGET FY 2020	FORECAST FY 2021	FORECAST FY 2022	FORECAST FY 2023	FORECAST FY 2024	FORECAST FY 2025	FORECAST FY 2026	FORECAST FY 2027	FORECAST FY 2028	FORECAST FY 2029
WASTEWATER (SEWER) UTILITY CASH RESERVES										
Cash Balance	3,438,238	3,992,641	4,671,759	5,122,560	4,829,031	5,066,563	4,661,425	4,517,482	4,615,838	5,141,497
Total Recommended Cash Balance	3,829,695	4,816,653	4,860,089	4,904,132	4,948,792	4,900,292	4,852,425	4,898,984	4,942,855	4,990,729
TARGET RESERVE BALANCES										
Debt Service Reserve	698,314	1,625,124	1,625,123	1,625,123	1,625,124	1,531,339	1,437,555	1,437,554	1,434,213	1,434,214
Operations Reserve	1,909,583	1,938,226	1,967,300	1,996,809	2,026,761	2,057,163	2,088,020	2,119,341	2,151,131	2,183,398
Capital Expenditures Reserve	861,219	887,315	896,188	905,150	914,202	923,344	932,577	941,903	951,322	960,835
Contingency Reserve	360,579	365,987	371,477	377,049	382,705	388,446	394,272	400,186	406,189	412,282
Total Reserve Balance	3,829,695	4,816,653	4,860,089	4,904,132	4,948,792	4,900,292	4,852,425	4,898,984	4,942,855	4,990,729
RESERVE BALANCE FORECAST										
Debt Service Reserve	698,314	1,625,124	1,625,123	1,625,123	1,625,124	1,531,339	1,437,555	1,437,554	1,434,213	1,434,214
Operations Reserve	1,909,583	1,938,226	1,967,300	1,996,809	2,026,761	2,057,163	2,088,020	2,119,341	2,151,131	2,183,398
Capital Expenditures Reserve	830,341	429,291	896,188	905,150	914,202	923,344	932,577	941,903	951,322	960,835
Contingency Reserve	-	-	183,148	377,049	262,944	388,446	203,273	18,684	79,172	412,282
Total Cash Remaining	-	-	-	218,428	-	166,272	-	-	-	150,768

WASTEWATER



Arroyo Lane Lift Station Refurbished in 2011 (Left Before & Right After)



Antiquated Wastewater Treatment Plant Pumps



Vulnerable Sewer Drop Replaced 2007



Above Ground and Inaccessible Sewer in Canyon



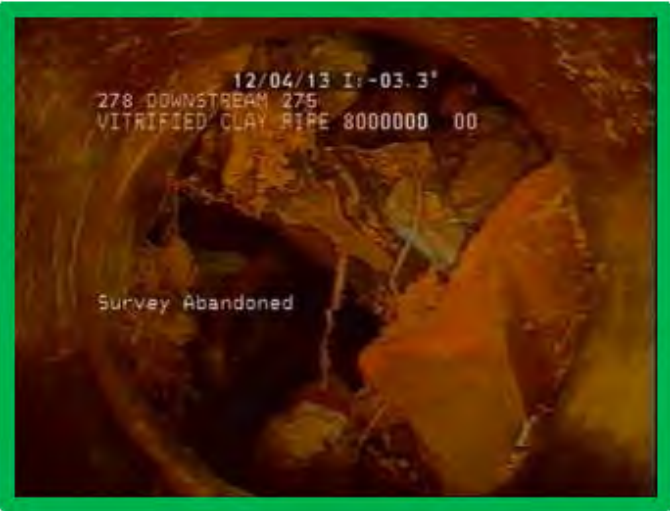
Crews Working with Vector



Brick Sewer Manhole



Sewer Video of Root Blockage



Sewer Video of Collapse Clay Sewer Pipe



Root Ball Removed From Sewer Main



Inaccessible Sewer Drops



Rio Bravo Lift Station Control Panel (Left Before and Right After)

Wastewater Collection Los Alamos County

COUNTY BOUNDARY

COUNTY BOUNDARY

RENDILLA CANYON

BAYO CANYON

SCHOOL CANYON

WALNUT CANYON

PUEBLO CANYON

ACIPIO CANYON

NOBLE CANYON

PUEBLO CANYON

LOS ALAMOS CANYON

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Sewer Lift Station No. 1 (Los Pueblos)

Sewer Lift Station No. 2 (Taddei)

Sewer Lift Station No. 3 (Loma del Esco)

Sewer Lift Station No. 4 (Pasao Pen)

Sewer Lift Station No. 5 (El Garzo)

Sewer Lift Station No. 6 (Range Road)

Sewer Lift Station No. 7 (Pond Est.)

Sewer Lift Station No. 8 (Pond East)

Sewer Lift Station No. 9 (34th & 35th)

Sewer Lift Station No. 10 (Que II)

Sewer Lift Station No. 11 (Que II)

Sewer Lift Station No. 12 (North Road)

Sewer Lift Station No. 13 (North Road)

Sewer Lift Station No. 14 (Hawks Ridge)

Sewer Lift Station No. 15 (Fairway)

Sewer Lift Station No. 16 (Ridge Park)

Sewer Lift Station No. 17 (Verde Rd)

Sewer Lift Station No. 18 (20 DP Road)

Sewer Lift Station No. 19 (Loma Vista)

Sewer Lift Station No. 20 (DP Road)

Sewer Lift Station No. 21 (Verde Rd)

Sewer Lift Station No. 22 (East Gate)

Sewer Lift Station No. 23 (Bayo)

Sewer Lift Station No. 24 (Bayo)

Capital Improvement Project

- Ongoing/Planned
- DPU Lift Stations
- Sewer Main- Pressure
- Sewer Main- Gravity
- Wastewater Treatment Plant

LOS ALAMOS COUNTY

- LOS ALAMOS NATIONAL LAB
- LOS ALAMOS PUBLIC SCHOOLS
- PRIVATE
- SAN ILDEFONSO PUEBLO
- SANTA FE NATIONAL FOREST

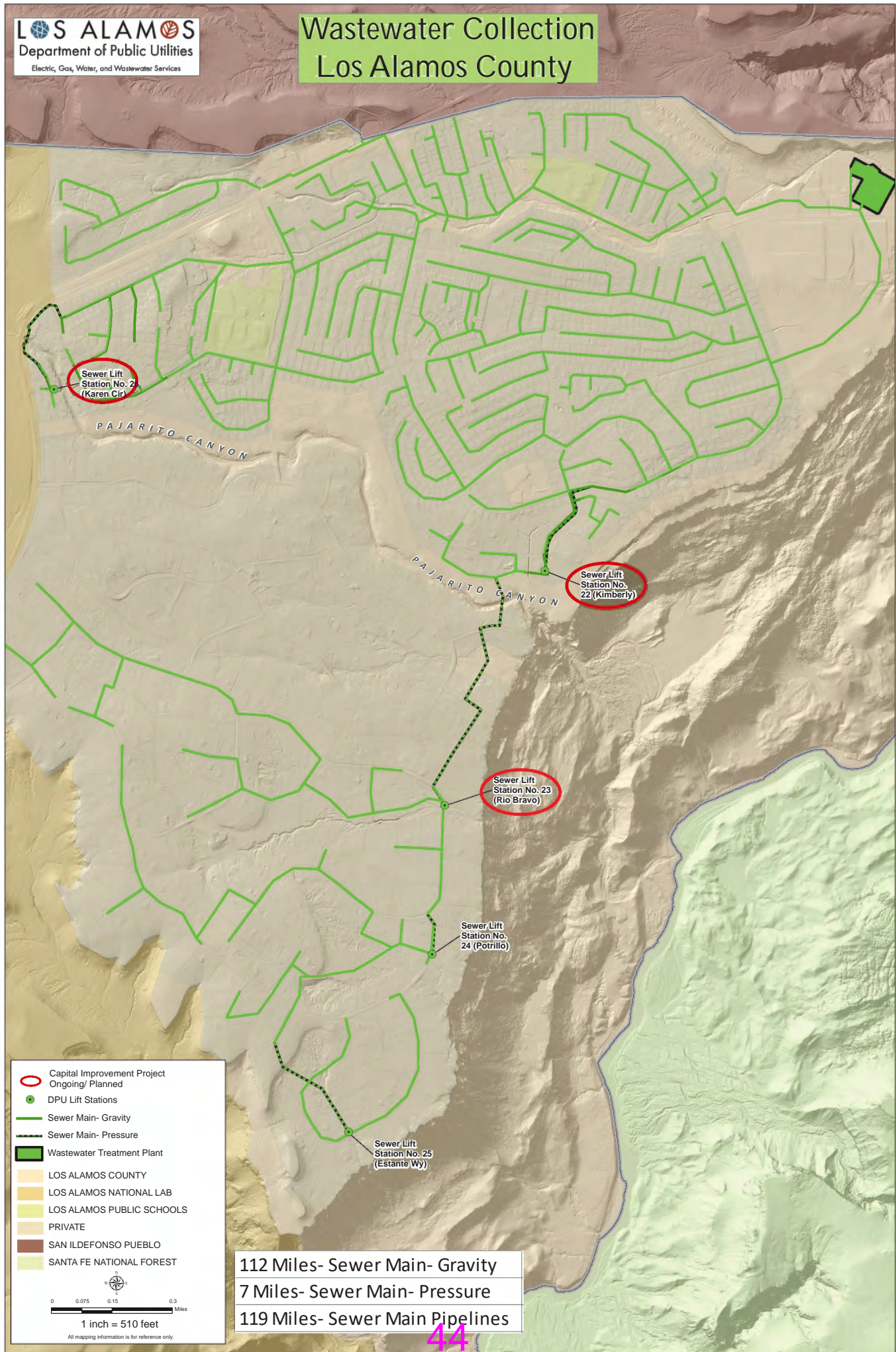
Scale

0 0.125 0.25 0.5 Miles

1 inch = 800 feet

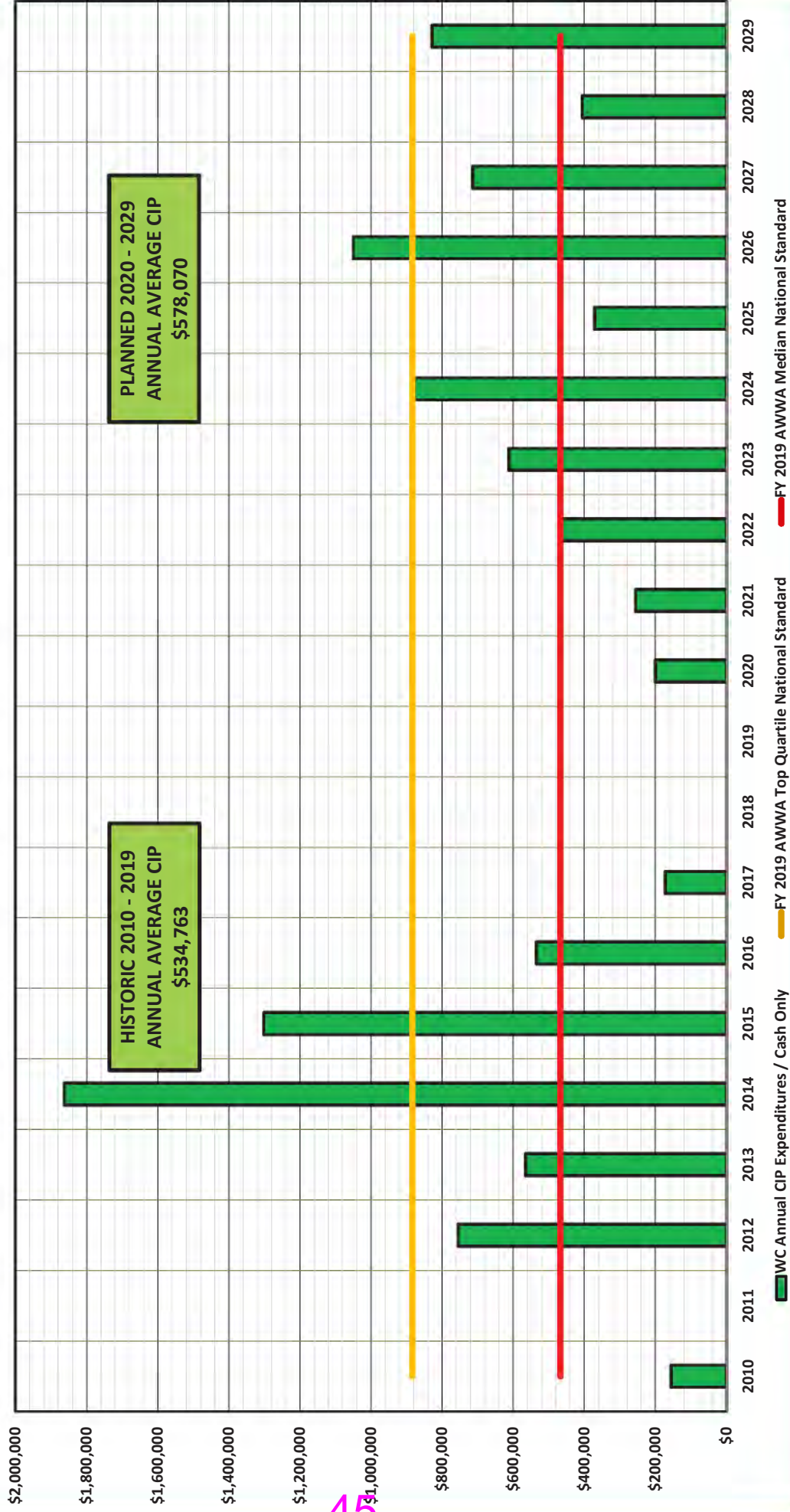
All mapping information is for reference only.

Wastewater Collection Los Alamos County

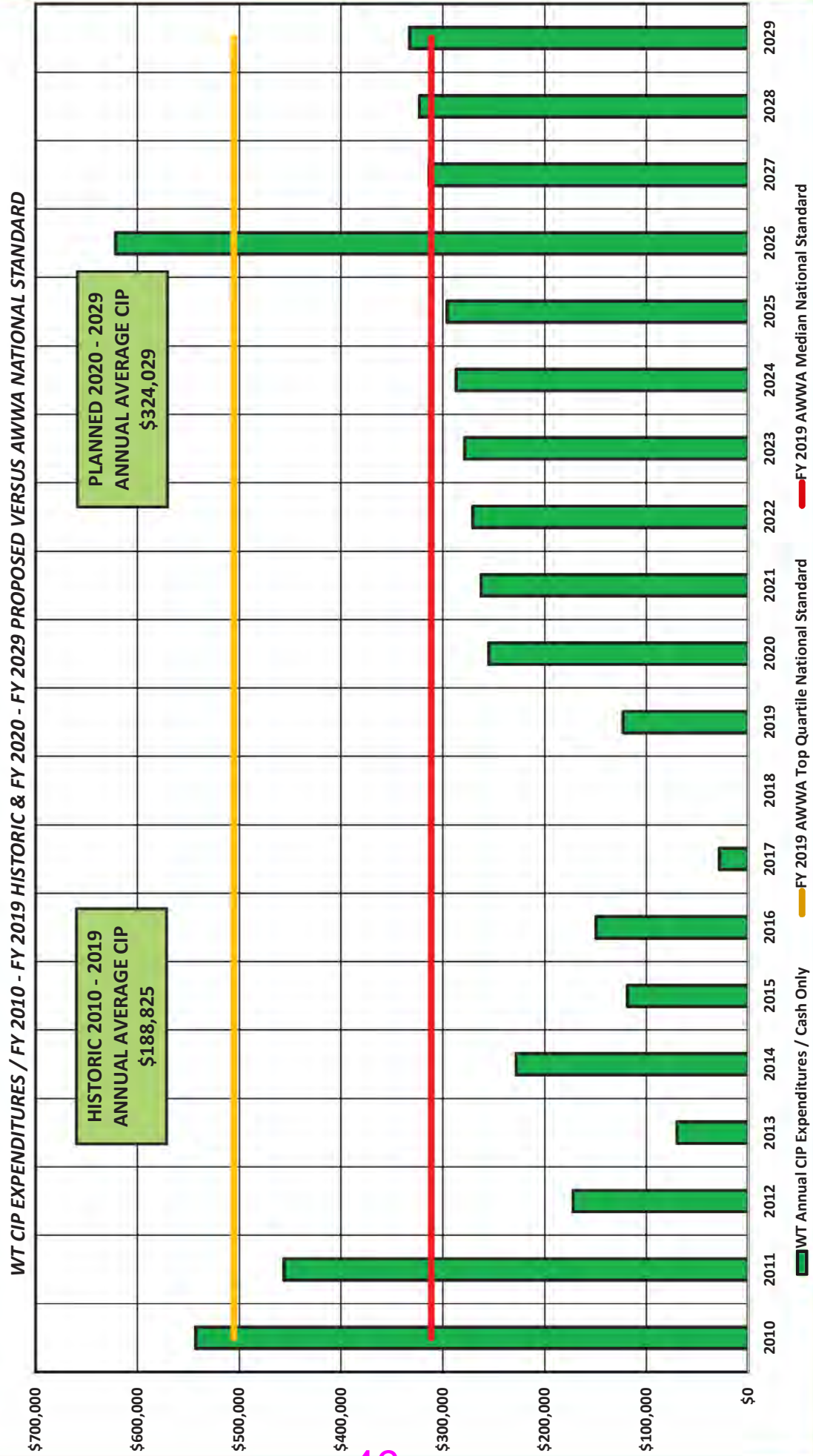


WASTEWATER COLLECTION

WC CIP EXPENDITURES / FY 2010 - FY 2019 HISTORIC & FY 2020 - FY 2029 PROPOSED VERSUS AWWA NATIONAL STANDARD

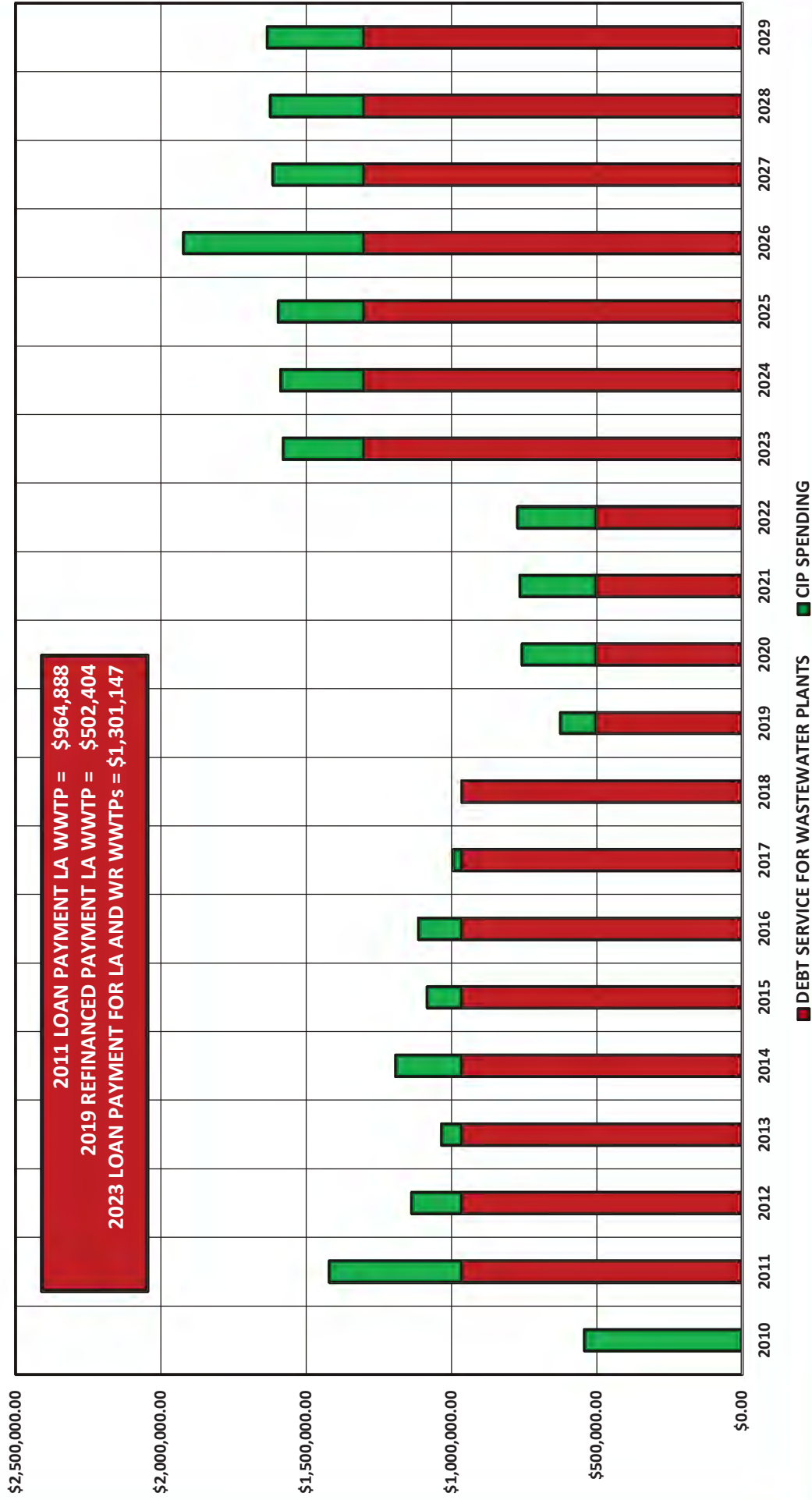


WASTEWATER TREATMENT



WASTEWATER TREATMENT

WT CIP EXPENDITURES INCLUDING LOAN PAYMENTS FOR WASTEWATER TREATMENT PLANTS



Frequently Asked Questions

Sewer Rate Increase

How much is the DPU proposing to increase the sewer rate?

The Department of Public Utilities is proposing sewer rate increases covering a three-year period to be approved by the Board of Public Utilities and adopted by the County Council. The increases are across the board – monthly service fees, flat rates for residential customers and variable rates for commercial or non-residential customers.

FY 2020	6 percent
FY 2021	3 percent
FY 2022	2 percent

Why do we need these sewer rate increases and what do they cover?

Due to the topography in Los Alamos, DPU needs to maintain and operate two wastewater treatment plants, a complicated network of pipes, pumps and lift stations. While the City of Santa Fe requires only four lift stations to service 83,000 citizens, Los Alamos requires 27 lift stations for 18,000 citizens.

The Los Alamos wastewater treatment plant was replaced in 2007 and DPU is still paying off that loan. We have now secured a low interest loan to replace the White Rock wastewater treatment plant, which was built in the 1960s. As a condition of the loan DPU needs to demonstrate adequate revenue to be able to pay back the loan.

To keep the system that collects and treats wastewater resilient and sound, DPU has future capital projects to complete to ensure:

Administrative Office

1000 Central Avenue, Suite 130

Los Alamos, NM 87544

P 505.662.8333 F 505.662.8005

customercare@lacnm.us

ladpu.com/dpu

- Adequate infrastructure to support increased demand for new housing in both White Rock and the Los Alamos townsite,
- Repair and replacement of aging infrastructure to reduce leaks and prevent sewer main breaks, including several lift stations and vulnerable vitrified clay pipes,
- Maintain safe, quality effluent that meets all federal and state standards.

Further, in 2016 the Board of Public Utilities adopted financial policies to build cash reserves for each utility fund to ensure the department's ability to meet operational needs, handle system retirement obligations, meet debt service requirements and be prepared for unanticipated system failures or external disruptions.

DPU has been raising sewer rates each year. When will these rate increases slow down?

The Board of Public Utilities approved an approach to improve the financial health of the wastewater fund, pay down the existing loan for the Los Alamos wastewater treatment plant and build reserves to replace the White Rock plant. DPU rate increases are as follows:

FY 2017	8 percent
FY 2018	8 percent
FY 2019	8 percent
FY 2020	6 percent
FY 2021	3 percent
FY 2022	2 percent

Currently, DPU is proposing an ordinance that requests the BPU and Council to approve and adopt the last three years of rate increases in one ordinance (represented in the orange cells above).

Where Can I find the draft ordinance?

The draft ordinance as well as other information is available on the DPU website at <https://ladpu.com/2019Infrastructure-Rates>

What is the process for raising the sewer rates?

The BPU will hold a public hearing on October 16th at 5:30 pm in the Council Chambers at 1000 Central Ave., Los Alamos, NM. If the BPU approves the ordinance, it will be introduced at the

October 29th County Council meeting. The Council will then hold a public hearing to consider adoption at the November 26th council meeting in Council Chambers

When will these rates take effect?

The proposed ordinance states that the increases will go into effect as follows:

Nov. 27, 2019	6 percent
Oct. 01, 2020	3 percent
Oct. 01, 2021	2 percent

Is the BPU and County Council locked into these rates for the next three years?

No. Rates can always be modified if the BPU and County Council determine it is appropriate and approve and adopt a new rate ordinance.

Has the DPU neglected the wastewater/sewer infrastructure?

Over the past 10 years, DPU has reinvested \$4,813,120 in wastewater collection infrastructure and \$1,888,250 in wastewater treatment systems.

However, maintaining the infrastructure is an ongoing process. DPU has carefully prioritized capital improvement projects. For the next 10 years going forward, DPU plans to reinvest \$5,780,700 in wastewater collection and \$3,240,290 in wastewater treatment systems.

How will these rates impact my bill?

For residential customers:

	Current	Nov. 26, 2019	Oct. 01, 2020	Oct. 01, 2022
Monthly Svc Fee	\$11.09	\$11.76	\$12.11	\$12.35
Flat Rate	\$40.15	\$42.56	\$43.84	\$44.72
Total Bill	\$51.24	\$54.32	\$55.95	\$57.07

What if these increases are not approved?

Delaying the replacement of the White Rock wastewater treatment plant is not an option. Violating permits due to sewer backups and overflows is also not desirable and most likely would result in fines from the New Mexico Environment Department.

How do these rates compare with other communities?

Community	Monthly Bill Based on	
	6000 gal	14000 gal
Los Alamos Current Rate	\$51.24	\$51.24
Los Alamos Proposed Rate FY20	\$54.32	\$54.32
Los Alamos Proposed Rate FY21	\$55.95	\$55.95
Los alamos Proposed Rate FY22	\$57.07	\$57.07
Silver City in town	\$25.76	\$51.44
Silver City out of town	\$32.52	\$58.20
Ruidoso	\$60.34	\$69.54
Town of Taos	\$46.36	\$79.72
Angel Fire	\$34.59	\$135.30
Chimayo	\$56.38	\$112.86
Aztec	\$55.95	\$87.95

Is there any assistance for individuals on fixed incomes?

DPU has a Utility Assistance Program. Originally set up to aid with energy bills for heating, the program was changed so that qualifying families can also apply the assistance for water expenses. Inclusion of sewer expenses is a revision to this rule that is going to the Board of Public Utilities for approval on October 16th. A copy of the UAP brochure can be downloaded at:

<https://ladpu.com/UAPBrochure>.

Funded by DPU customer donations, the program is available to:

1. Qualifying low income customers through the months of October through March;
2. Qualifying low income customers over age 65, year-round
3. Customers who demonstrate a financial hardship due to unforeseen circumstances may qualify for a single, lump sum credit.

Customers can contact the Customer Care Center to apply or to donate to the program – 505 662 8333 or CustomerCare@lacnm.us.

Other programs available to assist customers' utility bills including water and sewer expenses are:
LA Cares 505 661 8105 or Self-help, Inc 505 662 4666.

New Mexico State offers the NM Low Income Energy Assistance Program (LIHEAP) to assist with energy bills 505 753 2271.

INCORPORATED COUNTY OF LOS ALAMOS CODE ORDINANCE NO. 02-298

**AN ORDINANCE AMENDING CHAPTER 40, ARTICLE III, SECTIONS 40-201
AND 40-202 OF THE CODE OF THE INCORPORATED COUNTY OF
LOS ALAMOS PERTAINING TO THE SEWAGE SERVICE RATE SCHEDULE
AND DETERMINATION OF CHARGES**

WHEREAS, the Incorporated County of Los Alamos, New Mexico ("County") operates a Department of Public Utilities to provide utility services to its citizens; and

WHEREAS, County utilizes a Board of Public Utilities ("BPU") to oversee the Department of Public Utilities; and

WHEREAS, among the responsibilities of the BPU is ensuring that the proper utilization of existing operating funds, capital and personnel resources in order to maintain an acceptable level of service; and

WHEREAS, the BPU is also charged with identifying and planning any needed expansion and extensions of the existing utility system; and

WHEREAS, the BPU must further ensure the effective and harmonious operation of the Utilities Department using County resources; and

WHEREAS, it is the further duty of the BPU to prepare a plan for routine operations, capital expansion of the systems and replacement activities; and

WHEREAS, while engaging in this planning activity, the BPU has recognized routine operating cost increases resulting from inflationary pressures that must be covered through revenues in order to maintain appropriate levels of service to the citizens of the County; and

WHEREAS, while engaging in this planning activity, the BPU has also come to realize that County must engage in capital upgrades to the sanitary sewer system in order to maintain appropriate levels of service to the citizens of the County.

**NOW, THEREFORE, BE IT ORDAINED BY THE GOVERNING BODY OF THE
INCORPORATED COUNTY OF LOS ALAMOS, as follows:**

Section 1. Section 40-201 of the Los Alamos County Code of Ordinances is amended to read as follows:

Sec. 40-201. - Sewage service rate schedules.

(a) Residential rate service schedule 6-A is applicable only for normal domestic sewer service for individual residences, dwelling units and ~~individual~~ apartments, where each unit is individually metered for water.

(b) Residential rate service schedule 6-G is applicable only for normal domestic sewer service for multi-family dwelling units, ~~individual~~ apartments, and subdivisions or residential complexes where each unit is not individually metered by the county for water.

(c) Commercial rate service schedule 6-K is applicable to all nonresidential sewer services.

(d) Customer charges. Each account shall be billed a customer charge of ~~\$11.09~~ \$11.76 per month per account for billings processed through September 30, 2020; \$12.11 per month per account for billings processed after September 30, 2020; and \$12.35 per month per account for billings processed after September 30, 2021.

(e) Fixed charges.

(1) To each customer billed under rate service schedule 6-A, ~~\$40.15~~ \$42.56 per month per dwelling unit for billings processed through September 30, 2020; \$43.84 per month per dwelling unit for billings processed after September 30, 2020; and \$44.72 per month per dwelling unit for billings processed after September 30, 2021.

(2) To each customer billed under rate service schedule 6-G ~~\$33.45~~ \$35.46 per month per dwelling unit for billings processed through September 30, 2020; \$36.52 per month per dwelling unit for billings processed after September 30, 2020; and \$37.25 per month per dwelling unit for billings processed after September 30, 2021.

(3) To each customer billed under rate service schedule 6-K:

Water Meter Size	Service Charge Per Month
Under 2 inch	Reserved
2 inch	Reserved
3 inch	Reserved
4 inch	Reserved
6 inch	Reserved

(f) Variable rate. The variable rate shall be applicable to customers billed under rate service schedule 6-K. The variable rate shall be ~~\$18.90~~ \$20.03 per 1,000 gallons for billings processed through September 30, 2020; \$20.63 per 1,000 gallons for billings processed after September 30, 2020; and \$21.04 per 1,000 gallons for billings processed after September 30, 2021.

Section 2. Section 40-202 of the Los Alamos County Code of Ordinances is amended to read as follows:

Sec. 40-202. - Determination of charges.

(a) Residential customers will be billed for sewer service the customer charge pursuant to section 40-201 (d) plus the fixed charge applicable pursuant to section 40-201 (e) plus, if applicable, charges under section 40-203. For calculation of charges under section 40-203 the volume measurement for residential customers will be 1,000 gallons multiplied by the number of occupants of the residence.

(b) Commercial customers will be billed for sewer service the customer charge applicable pursuant to section 40-201 (d) plus, if applicable, charges under section 40-203, plus an amount equal to the variable rate multiplied by the customer's adjusted monthly average usage of potable water, as metered during the previous winter measuring period or other measuring period as determined appropriate by the department of public utilities based on seasonal or other nontraditional water usage pattern. The minimum variable amount shall be 2,000 gallons.

(c) Adjustment factor. ~~An adjustment factor to convert the expected billing volume to the volume expected to be treated shall be added to all volume based billings. This factor shall be eight percent.~~ Reserved.

(d) The winter measuring period is defined as the three consecutive billing periods beginning with the first billing period with a billing date in the month of December. The monthly average usage of potable water metered during the winter measuring period shall apply for a 12-month period beginning on the first day of the billing cycle that falls in the month of April of the year in which the winter measuring period ends.

(e) In the event the customer's water usage was initiated after the commencement of the previous winter measuring period, the monthly average usage of potable water shall be deemed to be equal to the average monthly usage of potable water for other comparable customers within the same class in the county.

Section 3. Effective Date. This ordinance shall become effective upon adoption with the amended rates being applied at the next billing following the effective date of the ordinance.

Section 4. Severability. Should any section, paragraph, clause or provision of this ordinance, for any reason, be held to be invalid or unenforceable, the invalidity or unenforceability of such section, paragraph, clause or provision shall not affect any of the remaining provisions of this ordinance.

Section 5. Repealer. All ordinances or resolutions, or parts thereof, inconsistent herewith are hereby repealed only to the extent of such inconsistency. This repealer shall not be construed to revive any ordinance or resolution, or part thereof, heretofore repealed.

ADOPTED this 26th day of November, 2019.

**COUNCIL OF THE INCORPORATED
COUNTY OF LOS ALAMOS**

Sara C. Scott
Council Chair

ATTEST: (SEAL)

Naomi D. Maestas
Los Alamos County Clerk

**NOTICE OF PUBLIC HEARING FOR
INCORPORATED COUNTY OF LOS ALAMOS CODE ORDINANCE NO. 02-298
AN ORDINANCE AMENDING CHAPTER 40, ARTICLE III, SECTIONS 40-201
AND 40-202 OF THE CODE OF THE INCORPORATED COUNTY OF
LOS ALAMOS PERTAINING TO THE SEWAGE SERVICE RATE SCHEDULE
AND DETERMINATION OF CHARGES**

Notice is hereby given that the Board of Public Utilities (BPU), Incorporated County of Los Alamos, State of New Mexico, will hold a public hearing on October 16, 2019 at 5:30 p.m. at the Los Alamos Municipal Building at 1000 Central Avenue in Council Chambers. At this open meeting, the BPU will consider and receive public comment on Los Alamos County Code Ordinance No. 02-298. A full copy of the ordinance is available for inspection during regular business hours at the Department of Public Utilities at 1000 Central Avenue, Suite 130. A full copy can also be viewed online at <http://ladpu.com/2019Infrastructure-Rates> . Interested citizens are encouraged to attend this public hearing.

Carrie Walker, Board of Public Utilities Chair

Published: September 26th, 2019

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ADOPTED this 26th day of November, 2019.



County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.: 6.B

Index (Council Goals): * 2019 Council Goal - Planning for Appropriate Levels of County Services

Presenters: Bob Westervelt, Deputy Utilities Manager - Finance/Admin

Legislative File: 12226-19

Title

Incorporated County of Los Alamos Code Ordinance No. 02-299; An Ordinance Amending Chapter 40, Article III, Sections 40-171, 40-173 and 40-175 of the Code of the Incorporated County of Los Alamos Pertaining to Potable and Non-Potable Water Rates and Bulk Delivery Rates

Recommended Action

I move that the Board of Public Utilities approve Incorporated County of Los Alamos Code Ordinance No. 02-299; An Ordinance Amending Chapter 40, Article III, Sections 40-171, 40-173 and 40-175 of the Code of the Incorporated County of Los Alamos Pertaining to Potable and Non-Potable Water Rates and Bulk Delivery Rates, and forward to Council for adoption.

Staff Recommendation

Staff recommends approval of the motion as presented.

Body

The ten-year forecast for the water utility presented with the FY2020 budget included a series of incremental rate increases to generate revenues needed for current operations and to build cash reserves necessary for future infrastructure needs. In 2018 several alternative long-term scenarios were prepared by staff and presented for Board consideration. After discussion, scenarios were selected that were intended represent the most reasonable balance between increased rates and necessary system expenditures and have been the foundation upon which the ten-year budgetary projections have been based. That approach helps consumers adjust to increasing costs over time but provides adequate funding for planned initiatives in each year. The rate trajectory was considered in the long-range proposals discussed in 2018 and has been reviewed and adjusted each year since as appropriate to account for adjustments in capital planning, actual project costs, and to reflect actual operational experience since first implemented. In the presentation attached and presented this evening we show those adjusted long-range plans and highlight the rate trajectories included in our budgets, and the resulting cash position in relation to adopted cash targets. Staff now feels confident the short to mid-term rate trajectory proposed in the FY2020 budget are appropriate for the three-year horizon at least and is thus proposing a multi-year rate adjustment at this time. Three years projected rate increases are included in the ordinance proposed.

The advantages to implementing the multi-year proposal are numerous. Importantly, it provides for the rate adjustments to be programmed with county's budget cycle and certainty of when the rate increases will occur over the next couple of years. With the current rate adjustment process, that is difficult to accomplish, and rates typically have been enacted several months after the beginning of a fiscal year, which means that projected revenues for those first several months are not realized. Doing a multi-year incremental rate adjustment also allows planned revenues to match the timing of planned expenditures, rather than accumulating excess cash early on for expenditure in a later period. Further, it allows our customers to plan and budget for future anticipated utilities costs, rather than experience the "rate shock" of unanticipated rate increases on a more frequent basis. Enacting a multi-year ordinance in no way limits the Board from later proposing another ordinance to change rates, either up or down, during that three-year period if operational experience necessitates such action. Should it become apparent that the rates proposed are either not achieving the revenue requirements of the systems, or are exceeding them, there is no reason why they could not be adjusted in the interim. This multi-year proposal simply provides for seamless and timely implementation of the rate projections should future results tie within reasonable variation to budget projections.

Included in the presentation attached as Exhibit A are the rate comparisons with neighboring and similar communities, costs as a percentage of median household income, and long-term utilities costs projections normally presented with proposed rate adjustments. These continue to demonstrate that even with the challenges of our complicated system and mountainous terrain, consumer costs for water services remain competitive and reasonable for our community.

The proposed rates should restore cash flow to an acceptable level within the projected time frame in the water system. While it may take some additional time to reach our target levels in the Water Utility overall, this plan will provide adequate funding for necessary repairs and replacements and continuing operations and provide for movement toward our long-term cash reserve goals. Once achieved, it is anticipated that rate adjustments simply to account for inflation will suffice for the foreseeable future.

In the weeks since the initial Board discussion, staff has conducted considerable public outreach. In addition to the public notices required for consideration of an ordinance, a 90-minute documentary produced by Penn State Public Broadcasting, "Liquid Assets - The Story of our Water Infrastructure" was advertised and aired six times on PAC-8. This documentary highlights the critical role water, sewer and storm water infrastructure plays in safeguarding quality of life nationwide. While the documentary doesn't specifically address Los Alamos, it is relevant to our community. In addition, staff hosted two public meetings, one in White Rock and one in Los Alamos, at which an abbreviated, sixteen minute version of the documentary was presented, as well as numerous "story boards" showing our condition assessment, historical system maintenance and upgrade expenditures, and the status of our financial position in relation to targets, and how and why those targets were determined. We also covered "frequently asked questions" and took notes of other questions that came up for further discussion. The materials presented at those meetings, as well as the "FAQ" are attached herewith as Exhibits B and C. Also, the FAQ's include information on the Utility Assistance Program for households that qualify for this assistance.

The Proposed ordinance is attached as Exhibit D, and the Required Notice of Publication is attached as Exhibit E

Alternatives

Several alternative financial scenarios were presented and discussed by the Board in previous discussions. In addition, Jack Richardson, Deputy Manager of Gas, Water and Sewer, has updated some of the information previously presented for presentation to the Board here this evening. Any of those paths forward could be considered as an alternative to the proposal presented here. As noted above, in all the scenarios discussed a series of rate increases are going to be needed to fund necessary operations and replacement of facilities through rates. Other scenarios could be considered with more significant rate increases being implemented to fund more rapid system upgrades, or funding sources other than rates could be considered. If no action is taken, we would have to continue to curtail maintenance and replacements and system reliability will suffer.

Fiscal and Staff Impact

The budgeted increases are expected to generate \$258,029 additional revenue in Water Distribution in FY20, \$230,291 additional revenue in FY21, and \$225,956 additional revenue in FY22. In Water Production additional revenue for wholesale sales to external parties is projected at \$67,500; \$60,000; and \$60,000 for FYs 20, 21, and 22 respectively, and approximately \$14,000 additional Non-Potable revenue annually.

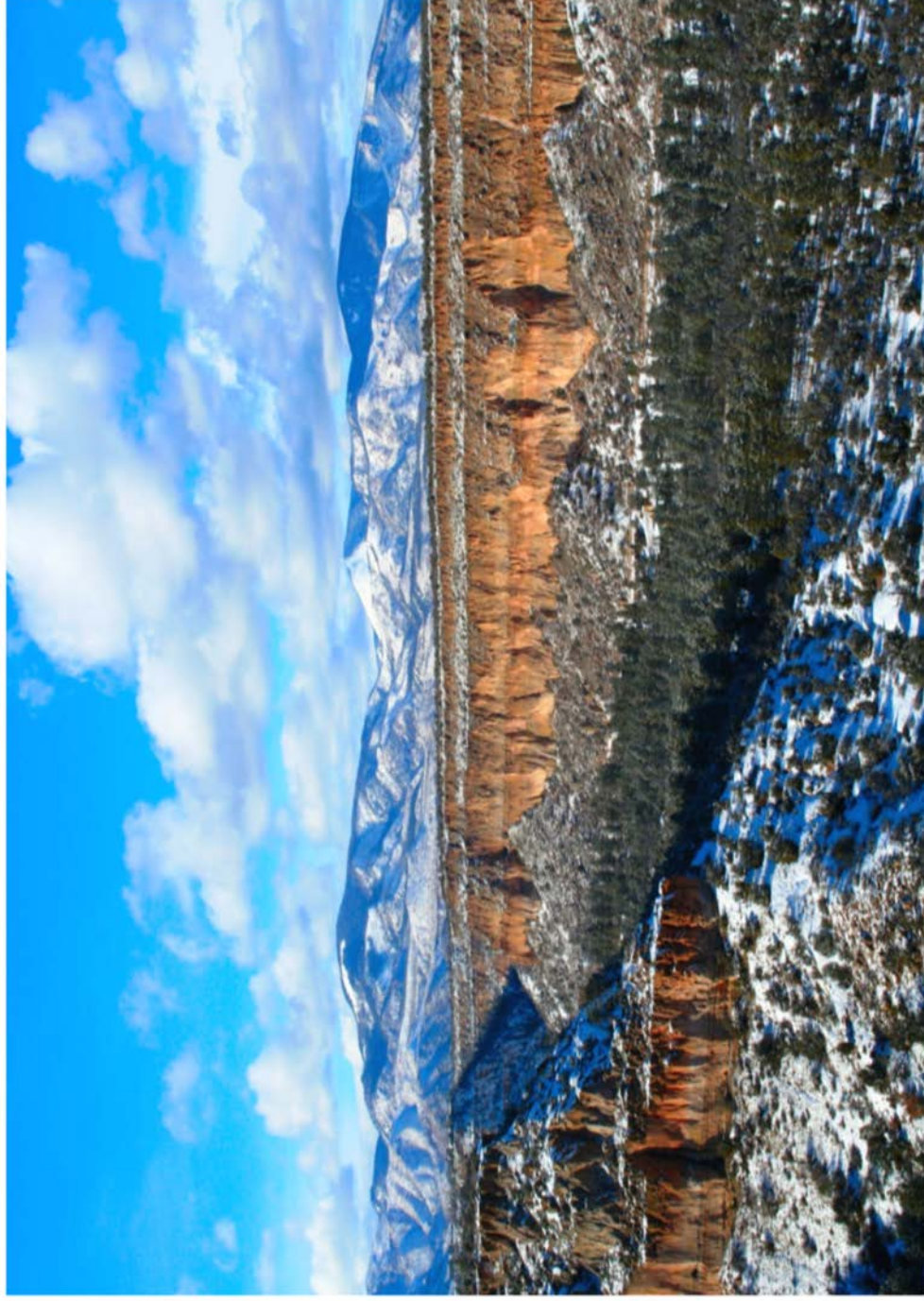
Attachments

- A. Staff presentation - FY2020 Proposed Water Rate Adjustments
- B. Story Boards from Public Meetings
- C. Frequently Asked Questions and Answers
- D. Code Ordinance 02-299 - Water Rates
- E. Notice of Publication

Water Rate Adjustments

FY 2020 thru FY 2022

*Board of Public Utilities & County Council
October thru November 2019 Meetings*



Water Consumption by Category

Educational
3%

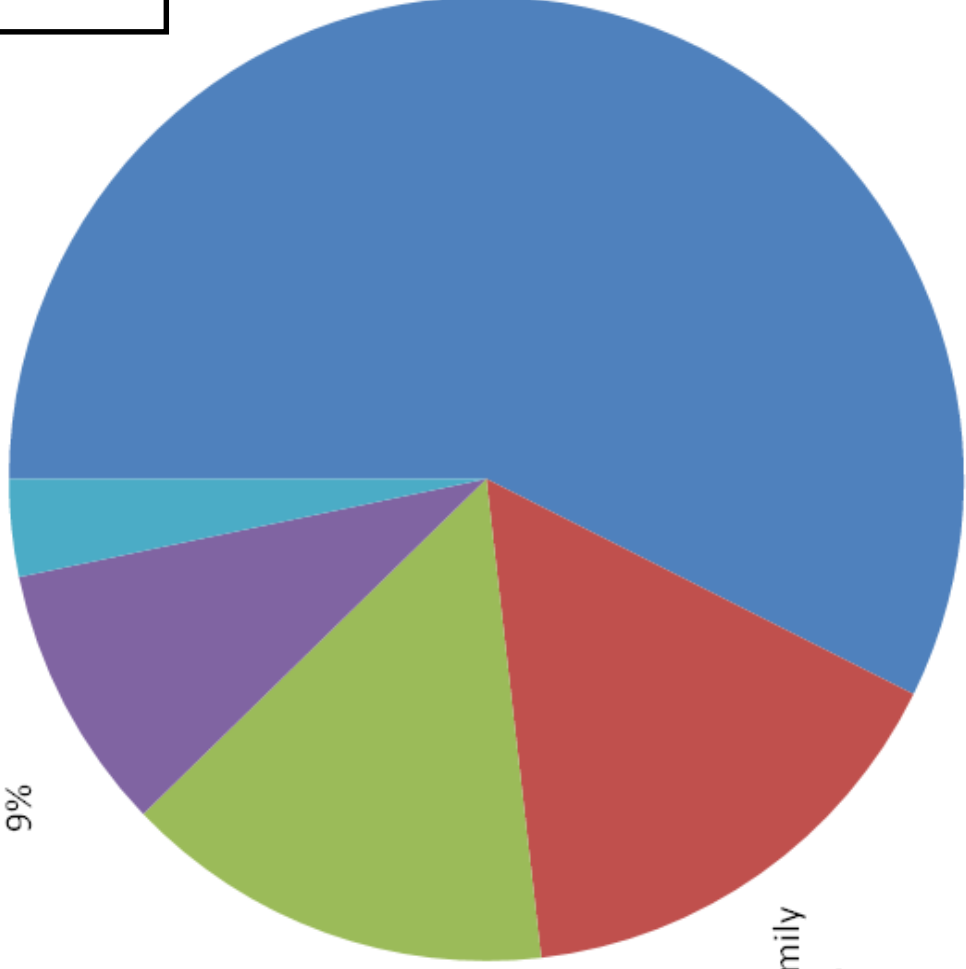
Municipal
9%

Commercial
15%

Multi-family
16%

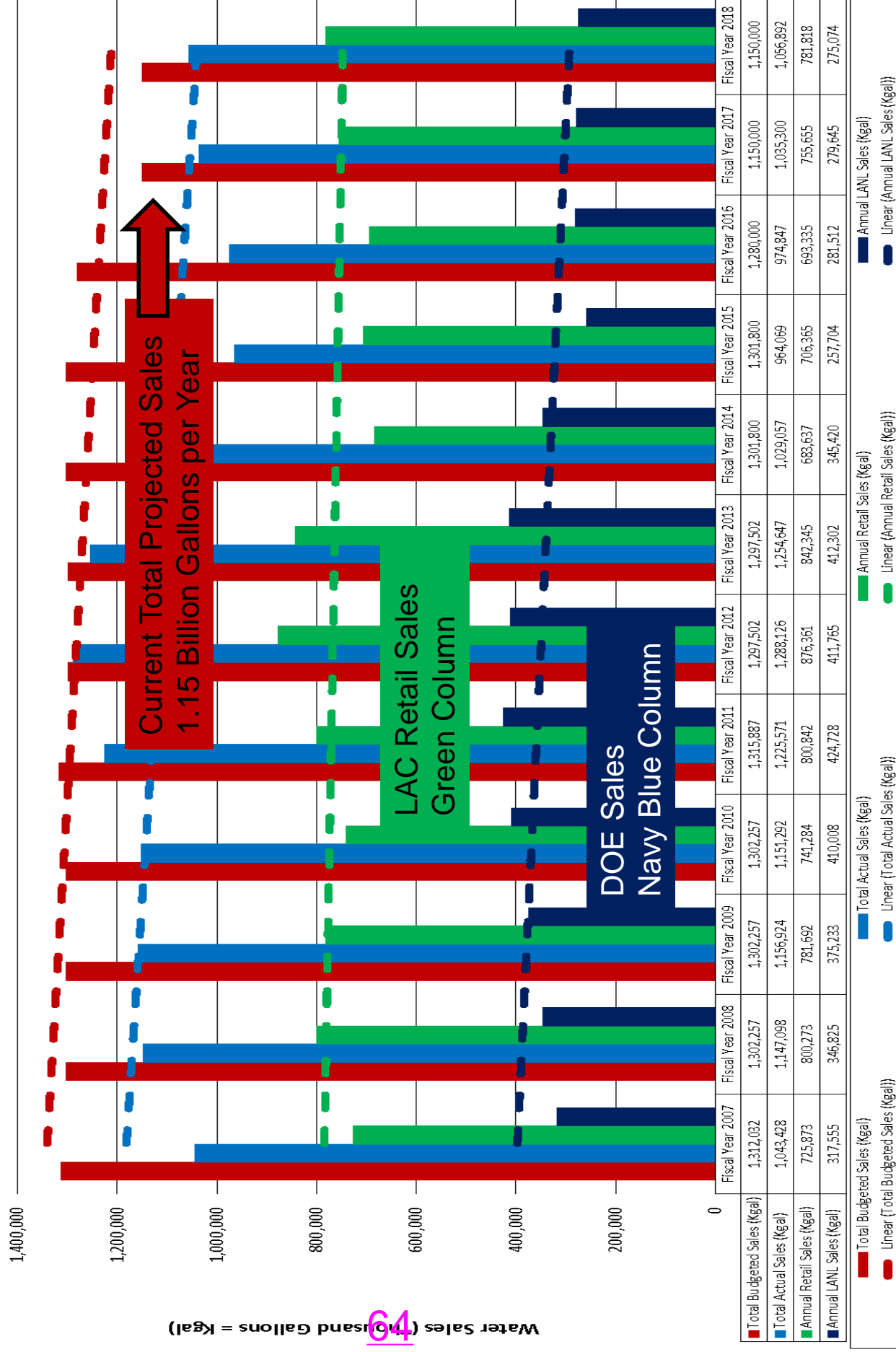
Single Family
57%

All LA County
(Not DOE)
Townsite and
White Rock



Total Budget vs Total Actual Water Sales w/ Retail & DOE Sales

Budgeted vs. Actual Water Sales with Separate Retail and DOE Sales



DPU Financial Policy for Cash Reserves – Water Fund

In Each Utilities Fund or Sub-Fund:

1. 180-Days of Budgeted O&M Expenses for the Following Year (90-Days Min. Floor)
2. Debt Service Reserve (Sufficient to Fund All Debt Service for the Following Year)

3. Contingency Reserve (**Only One Occurrence in any Single Year**)

WP = \$750,000 Replace a Well House or Booster Station or Storage Tank

DW = \$750,000 Replace a Major Segment of Pipeline

NP = \$750,000 Replace a Storage Tank or Booster Station

4. Retirement/Reclamation Reserve (**Only One Occurrence in any Single Year**)

WP = \$150,000 Abandon a Well House or Water Tank or Booster Station

DW = \$150,000 Abandon a Major PRV Asset

NP = \$150,000 Abandon a Water Tank or Booster Station

Cash Balance and Risk Sharing Between System Sub-Funds/Sub-Groups

DW & WP Sub-Group's Budgets for Contingency and Retirement/Reclamation Reserves are Split 50/50

NP is Embedded Within WP so NP Reserves are Considered Covered by WP Reserves

5. Actual CIP Program Expenditures for the Following Year – or – The System's Annual Depreciation Plus 2.5% (whichever is greater)

Capital Improvement Program (CIP) – Water Fund
Financial Policy versus 10-Year Historic & Proposed

5. Actual CIP Program Expenditures for the Following
Year – or – The System's Annual Depreciation Plus
2.5% (whichever is greater)

- WP = \$1,024,017 (FY20 Dep. + 2.5%) Compared to
\$1,136,208 (Historic) & \$1,945,984 (Proposed)
- DW = \$543,552 (FY20 Dep. + 2.5%) Compared to
\$553,875 (Historic) & \$473,938 (Proposed)

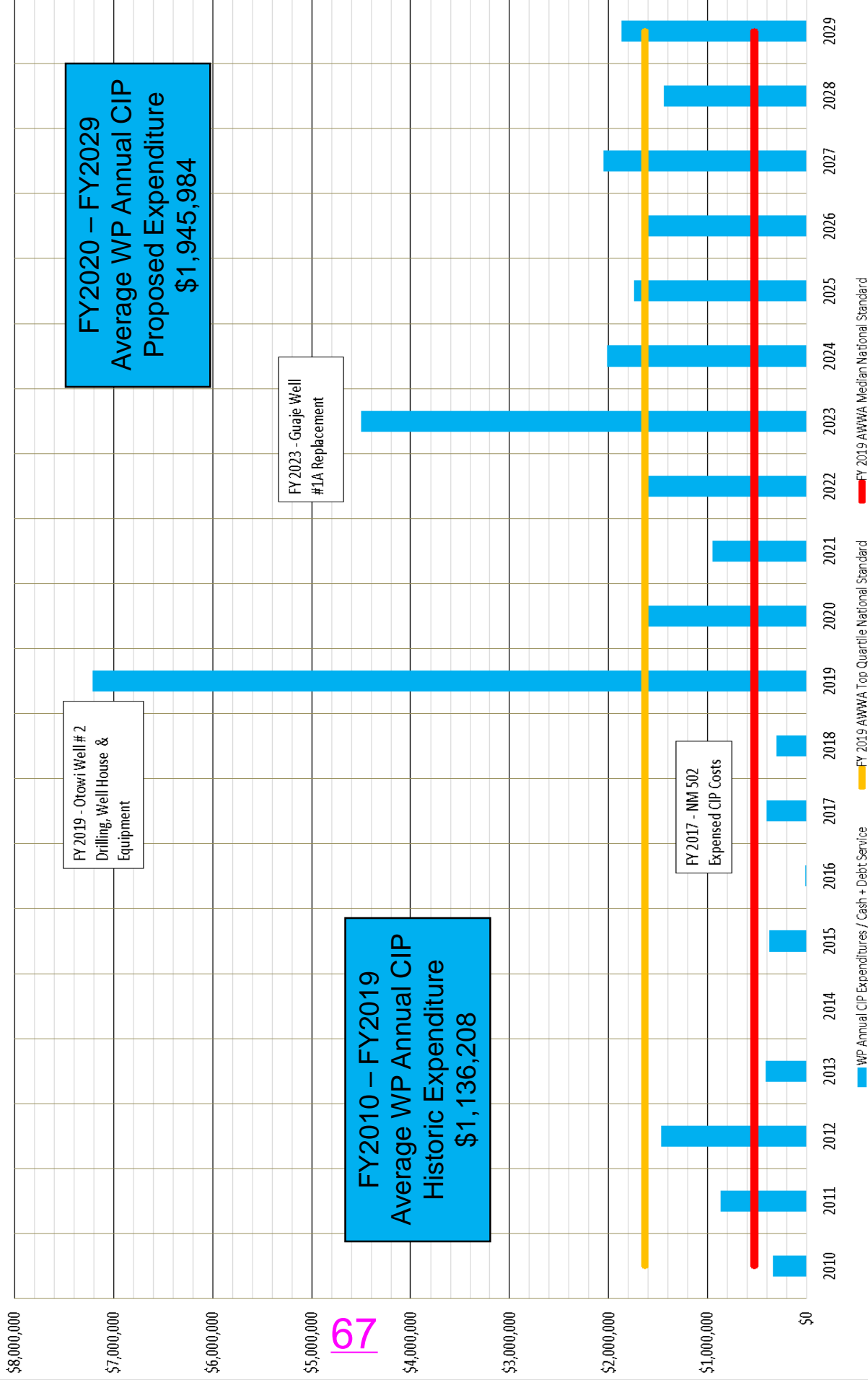
{NOTE: DW Historic Average Does Not Include AMI}

- NP = \$104,688 (FY20 Dep. + 2.5%) Compared to
\$509,060 (Historic) & \$468,400 (Proposed)

{NOTE: NP System CIP = Expansion/Not R&R}

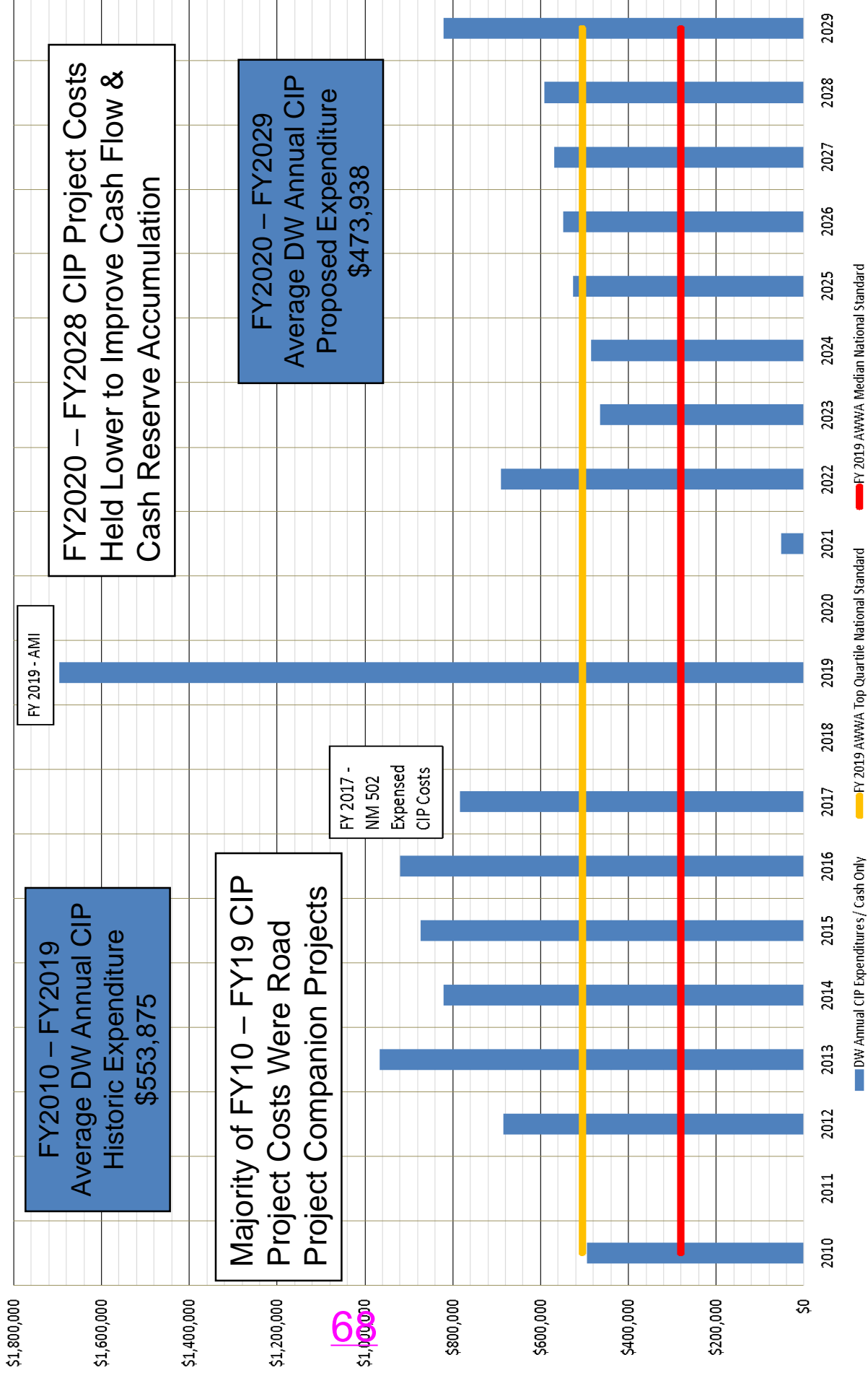
AWWA / Water Production – WP Sub-System R & R

WP CIP EXPENDITURES / FY 2010 - FY 2019 HISTORIC & FY 2020 - FY 2029 PROPOSED VERSUS AWWA NATIONAL STANDARD



AWWA / Water Distribution –DW Sub-System R & R

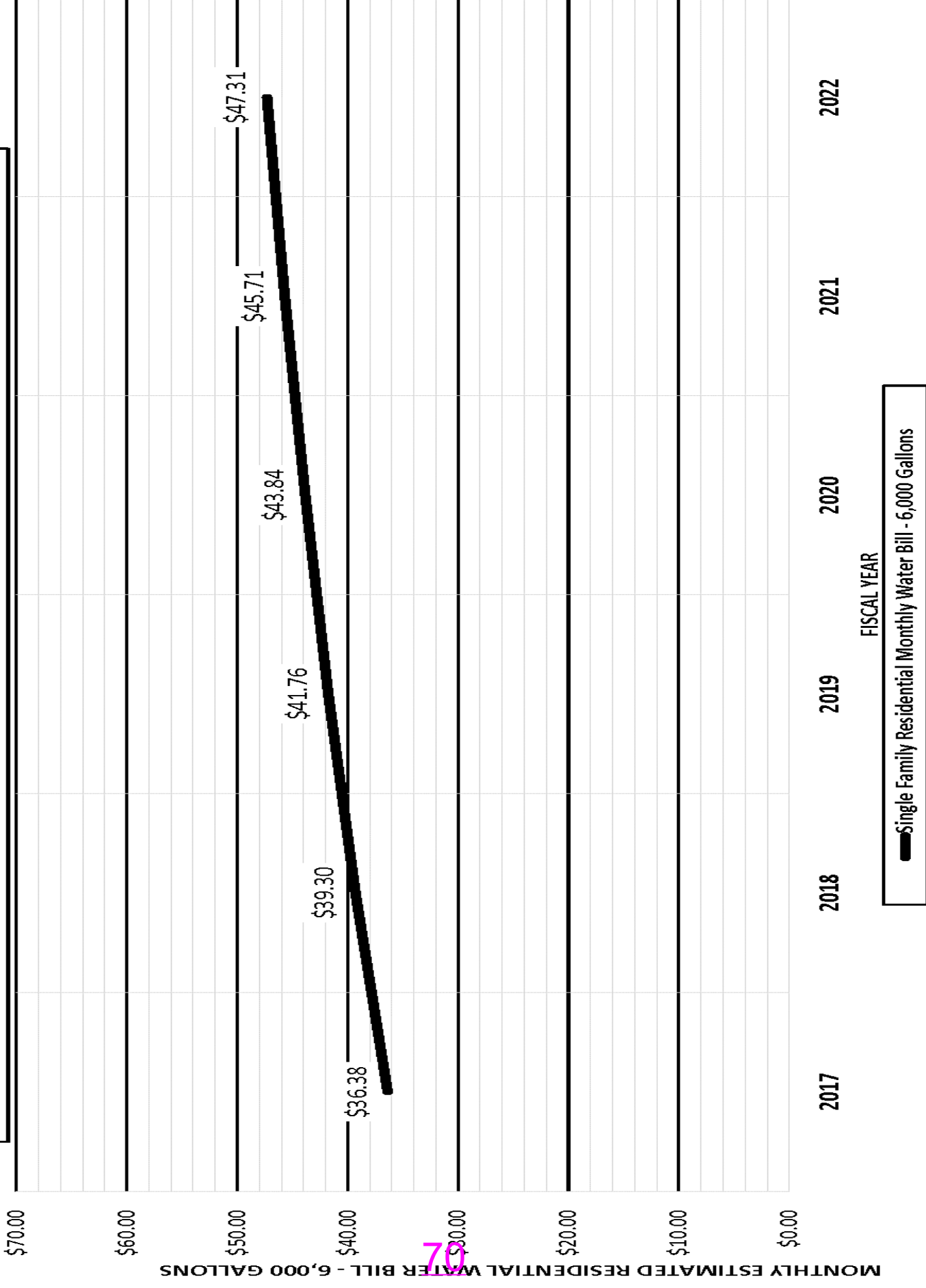
DW CIP EXPENDITURES / FY 2010 - FY 2019 HISTORIC & FY 2020 - FY 2029 PROPOSED VERSUS AWWA NATIONAL STANDARD



National Comparable - AWWA / System R & R – W & WW

System Renewal & Replacement AWWA National Standard Percentages							
AWWA Asset Class	Actual CY 2017 / Dashboard FY 2020 AWWA System Renewal & Replacement Percentage			Actual FY 2018 / Dashboard FY 2020 Present Worth Value of the GWS Sub-Group System	Annual Repair & Replacement National Standard (PWV) X (System R&R %)		
	Bottom Quartile	Median	Top Quartile		Bottom Quartile	Median	Top Quartile
1. Water Supply	0.7%	1.9%	5.1%				
2. Water Treatment Facilities (not used)	1.1%	2.4%	5.5%				
3. Water Pump Station	0.5%	1.2%	6.4%				
4. Water Transmission and Distribution	0.6%	1.5%	2.7%				
5. Wastewater Collection	0.8%	1.5%	3.0%				
6. Wastewater Pump Stations	1.6%	3.1%	5.7%				
7. Wastewater Treatment	0.9%	2.3%	3.4%				
Water Production (average 1, 3 & 4)	0.60%	1.53%	4.73%	\$34,456,203	\$206,737	\$527,180	\$1,629,778
Water Distribution (4 only)	0.60%	1.50%	2.70%	\$18,715,209	\$112,291	\$280,728	\$505,311
Wastewater Collection (average 5 & 6)	1.20%	2.30%	4.35%	\$20,306,557	\$243,679	\$467,051	\$883,335
Wastewater Treatment (7 only)	0.90%	2.30%	3.40%	\$13,537,704	\$121,839	\$311,367	\$460,282

SINGLE FAMILY MONTHLY WATER BILL - 2017 to 2022 - HISTORIC THROUGH PROPOSED FY 2020 FORECAST MODEL



Projected Average Water Bill for Residential Customers - FY 2017 though FY 2022

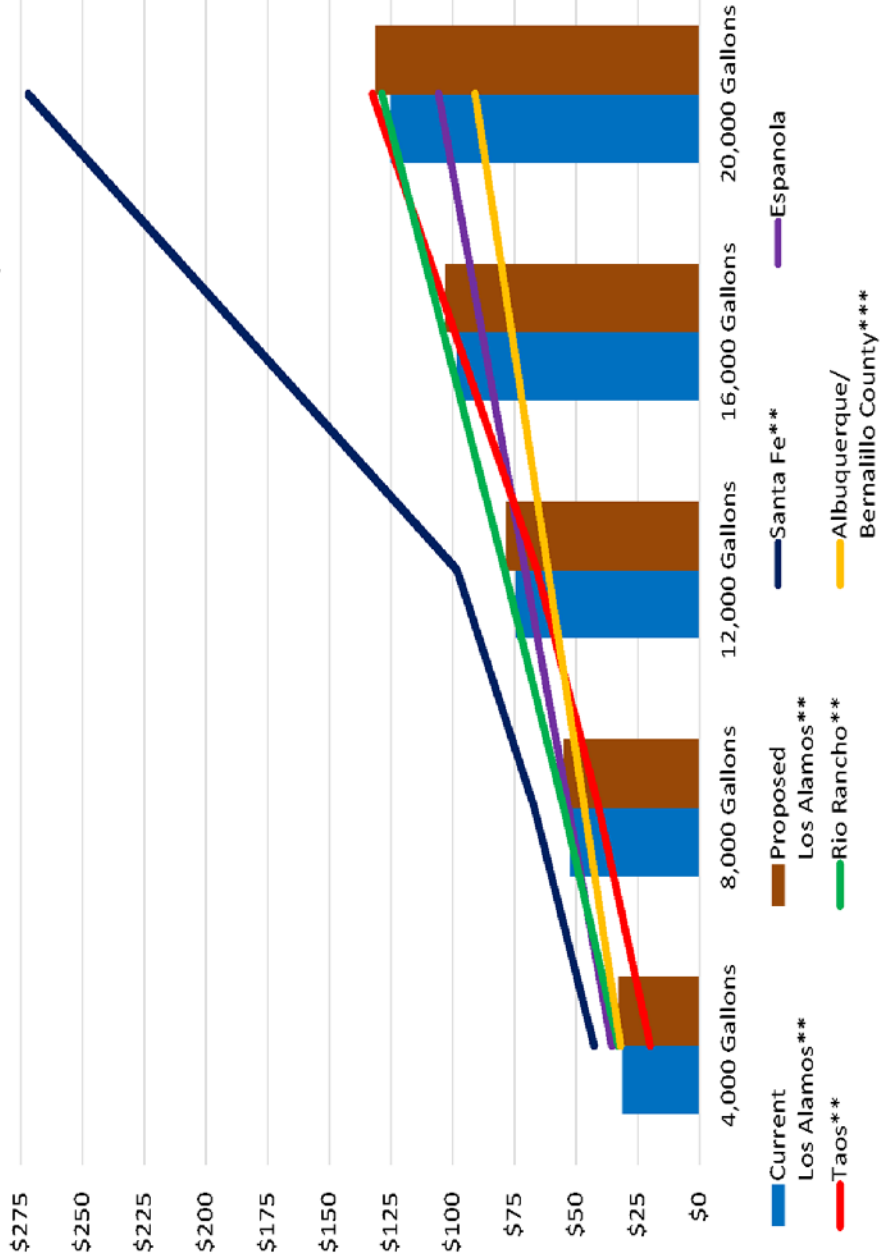
	6,000 Gallon per Month Water Bill	Rate Increase Percentage	Additional Annual Cost Over Previous Year	Los Alamos Median Household Income *	Assumed Annual Income Increase	Percentage of Income Needed to Pay Water Bill	New Mexico Median Household Income**	Assumed Annual Income Increase	Percentage Needed To Pay Utility Bill
FY2017	\$36.38	8.00%	\$39.72	\$110,190	2.5%	0.40%	\$46,744	0.0%	0.93%
FY2018	\$39.30	8.00%	\$35.04	\$112,945	2.5%	0.42%	\$46,744	0.0%	1.01%
FY2019	\$41.76	6.25%	\$29.48	\$115,768	2.5%	0.43%	\$46,744	0.0%	1.07%
FY2020	\$43.84	5.00%	\$25.05	\$118,663	2.5%	0.44%	\$46,744	0.0%	1.13%
FY2021	\$45.71	4.25%	\$22.36	\$121,629	2.5%	0.45%	\$46,744	0.0%	1.17%
FY2022	\$47.31	4.00%	\$19.20	\$124,670	2.5%	0.46%	\$46,744	0.0%	1.21%

* 2017 data point from <https://www.census.gov/quickfacts/fact/table/losalamoscountynewmexico/PST045217> - 2013-2017 data, 2017 dollars

** <https://www.deptofnumbers.com/income/new-mexico/> - 2016 data

AWWA Water Service Affordability for FY 2020
National Benchmark Median Value = 0.69%
Compared to National Median Household Income

Northern NM Communities Residential Water Rate Comparison



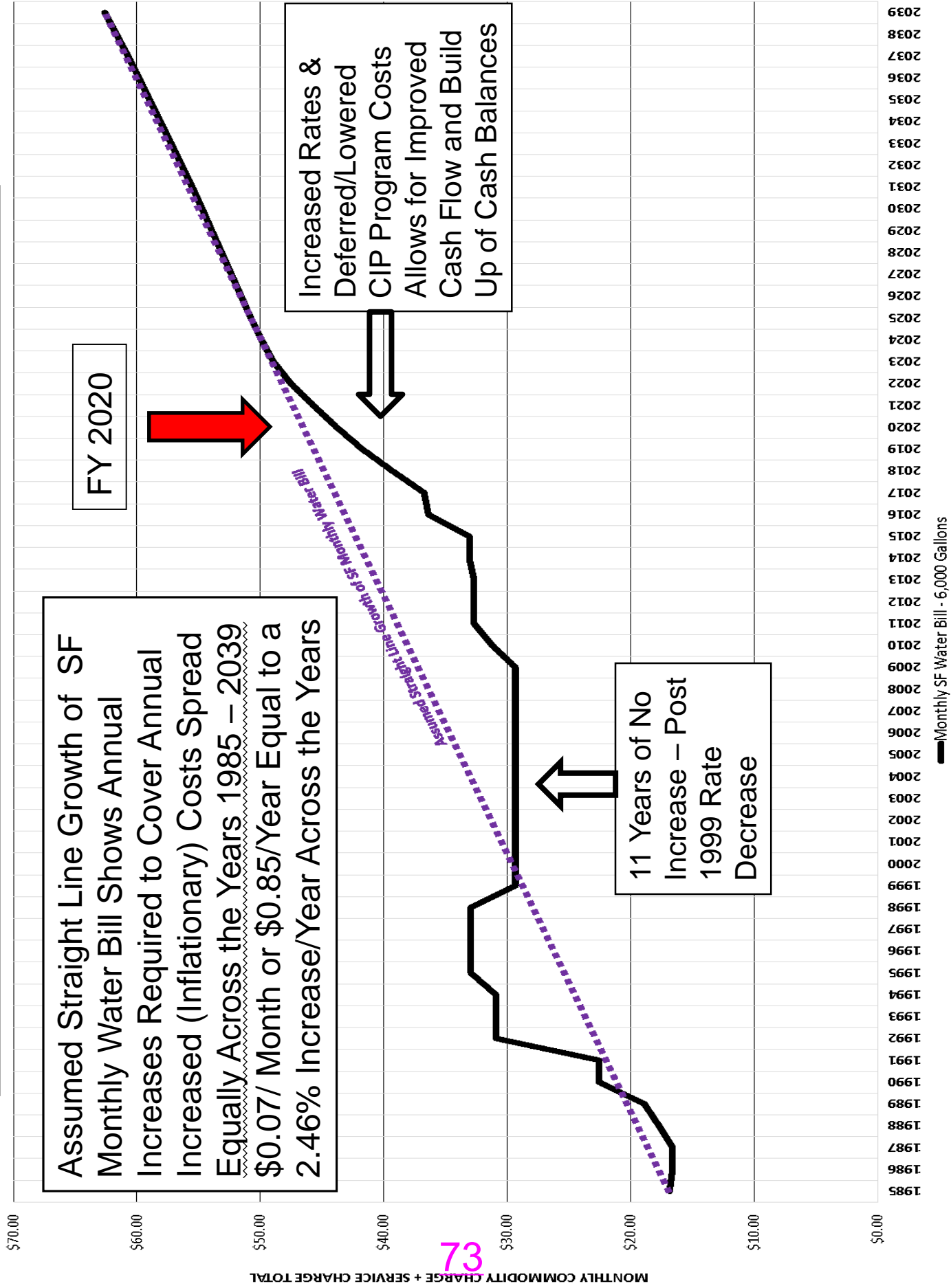
SAMPLE RESIDENTIAL BILL - Assuming 5/8" Meter & PEAK Season*

Monthly Usage	Current		Proposed		Albuquerque/ Bernalillo County***	
	Los Alamos**	31.17	Los Alamos**	32.71	Taos**	Rio Rancho**
4,000 Gallons	41.75	43.81	42.66	43.45	43.45	43.45
6,000 Gallons	52.33	54.91	54.78	54.91	54.91	54.91
8,000 Gallons	74.48	78.16	66.90	78.16	78.16	78.16
12,000 Gallons	85.72	89.96	82.22	89.96	82.46	82.46
14,000 Gallons	98.06	102.92	141.66	102.92	99.14	99.14
16,000 Gallons	124.94	131.16	185.10	131.16	103.75	103.75
20,000 Gallons	192.14	201.76	271.98	201.76	128.59	128.59
30,000 Gallons			439.18	215.90	190.69	190.69

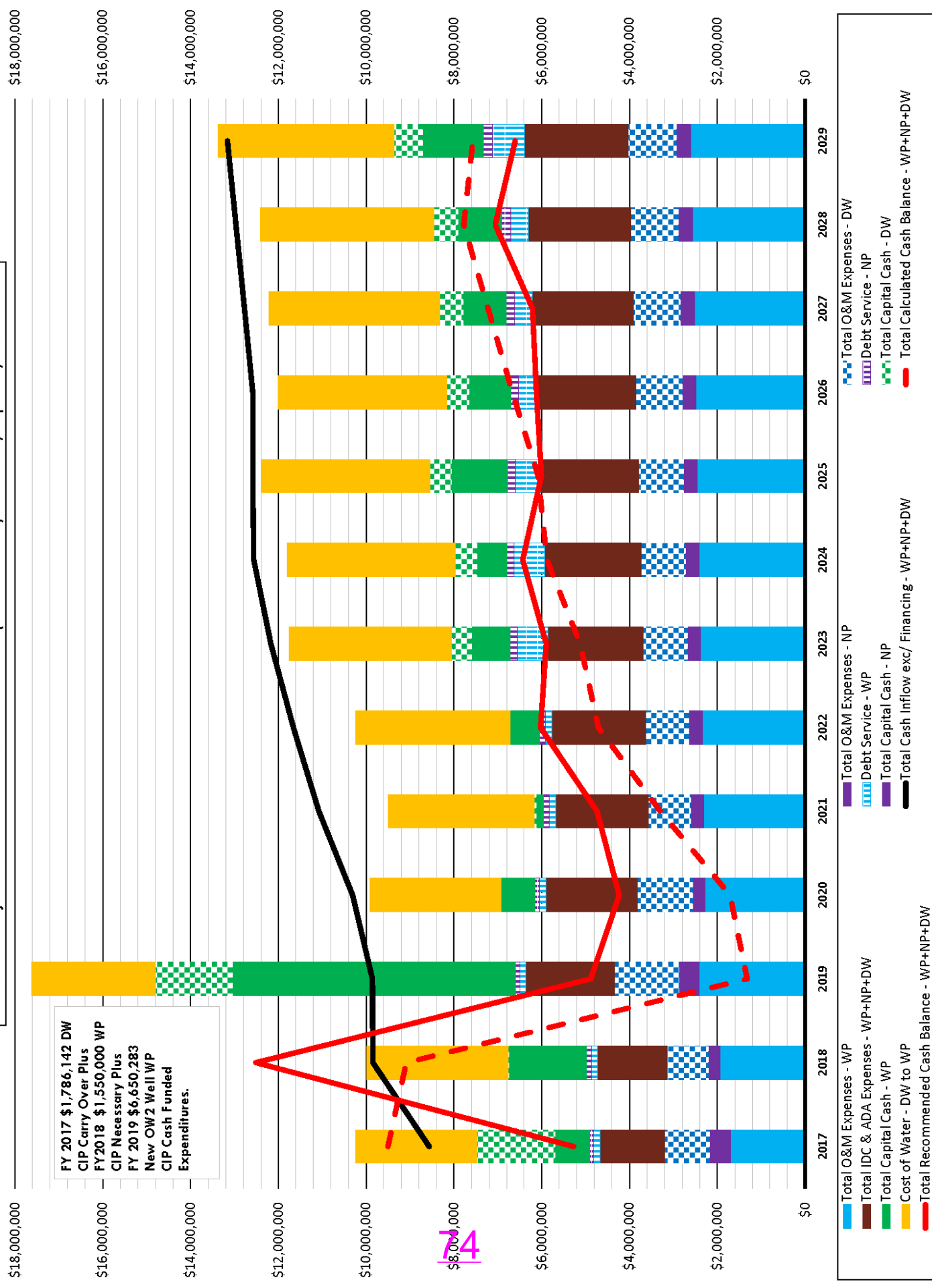
* For comparison purposes, August was used for all locations

** Tiered or seasonal rates apply for this jurisdiction

*** Rates shown DO NOT include the surcharges for usage in excess of a citizen's water budget calculated by season and winter mean which can be up to 100% of commodity charge. Drought surcharges of up to 400 percent may also apply.



FY 2020 Rate Adjustment 10-Year Forecast - Water Fund (WP + NP + DW) - Revenue / Expense / Cash Balance



CONCLUSIONS & RECOMMENDATIONS

- The Long Range Rate Adjustment Plan Executed by DPU over the Past Few Years has Established a Multi-Year Record of Financial Health Improvement in All Funds and Sub-Funds
- The Proposed CIP Programs for Each Sub-Group are Planned to Reach a “Modern Acceptable Standard” in Terms of Capacity and Physical Integrity Within the Current Long Range (20-Year) Planning Period
- It is Not Recommended to Further Delay Any System’s CIP Program
- If the Current Proposal for a 3-Year Rate Adjustment Program is Approved, and if Everything Goes According to Plan, the Financial Policy Goals of the BPU Will be Met By FY 2025 and the CIP Needs of all Sub-Groups Will be Met

Continuous Improvement Steps

- Continue to Research Ways to Emphasize Repair & Rehabilitation of Existing Facilities In Lieu of Full CIP Replacement
- Annually Verify That All Revenue Related Assumptions Regarding Projected Sales Volumes, Number of Housing Units, Etc. Are Accurate In the Financial Models
- Annually Refine the Financial Models Data Sets and Assumptions
- Annually Review and Potentially Revise Proposed CIP Costs and Future Rates Based on the Best Available Data and Refined Model Output
- Every Year's Budget Includes a 10-Year Forecast Based on the Reviewed & Refined Financial Models

Questions?

For a copy of this presentation please provide your email address on a comment card or directly email

jack.richardson@lacnm.us

Deputy Utilities Manager – Gas, Water, Sewer

662-8215

Department of Public Utilities

Proposed Water Rate Increases Residential Customers

Non-Peak Season (Oct 1 through Apr 30)

(Single Family & Multi-Family with water meter size 1-1/4 inches or less)

	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Current	\$10.01	\$10.51	\$11.40
Monthly Svc Fee :	\$5.29	\$5.55	\$6.02
Commodity Rate/1000 gallons:			

Peak Season - May 1 through Sept 30

(Single Family with water meter size 1-1/4 inches or less)

	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Current	\$10.01	\$10.51	\$11.40

Monthly Svc Fee :

Commodity Rate per 1000 gallons

Tier 1 (<=9 kgal):	\$5.29	\$5.55	\$5.79	\$6.02
Tier 2 (>9 kgal thru 15 kgal):	\$5.62	\$5.90	\$6.15	\$6.40
Tier 3 (>15 kgal):	\$6.72	\$7.06	\$7.36	\$7.65

Peak Season - May 1 through Sept 30

(Multi-Family with water meter size 1-1/4 inches or less)

	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Current	\$10.01	\$10.51	\$11.40

Monthly Svc Fee:

Commodity Rate per 1000 gallons

Tier 1 (<=9 kgal):	\$5.29	\$5.55	\$5.79	\$6.02
Tier 2 (>9 kgal thru 15 kgal):	\$5.56	\$5.84	\$6.09	\$6.33
Tier 3 (>15 kgal):	\$5.68	\$5.96	\$6.22	\$6.47

Examples of Monthly Residential Water Bills

Non-Peak Season (Oct 1 through Apr 30)

(Single Family & Multi-Family: 6,000 gallons consumed with water meter size 1-1/4 inches or less)

	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Current	\$10.01	\$10.96	\$11.40
Monthly Svc Fee:	\$5.29 x 6kgal	\$5.79 x 6kgal	\$6.02 x 6kgal
Commodity Rate Calculation	\$31.74	\$34.74	\$36.12
Total Commodity 6 kgal			
Total Charges	\$41.75	\$45.70	\$47.52

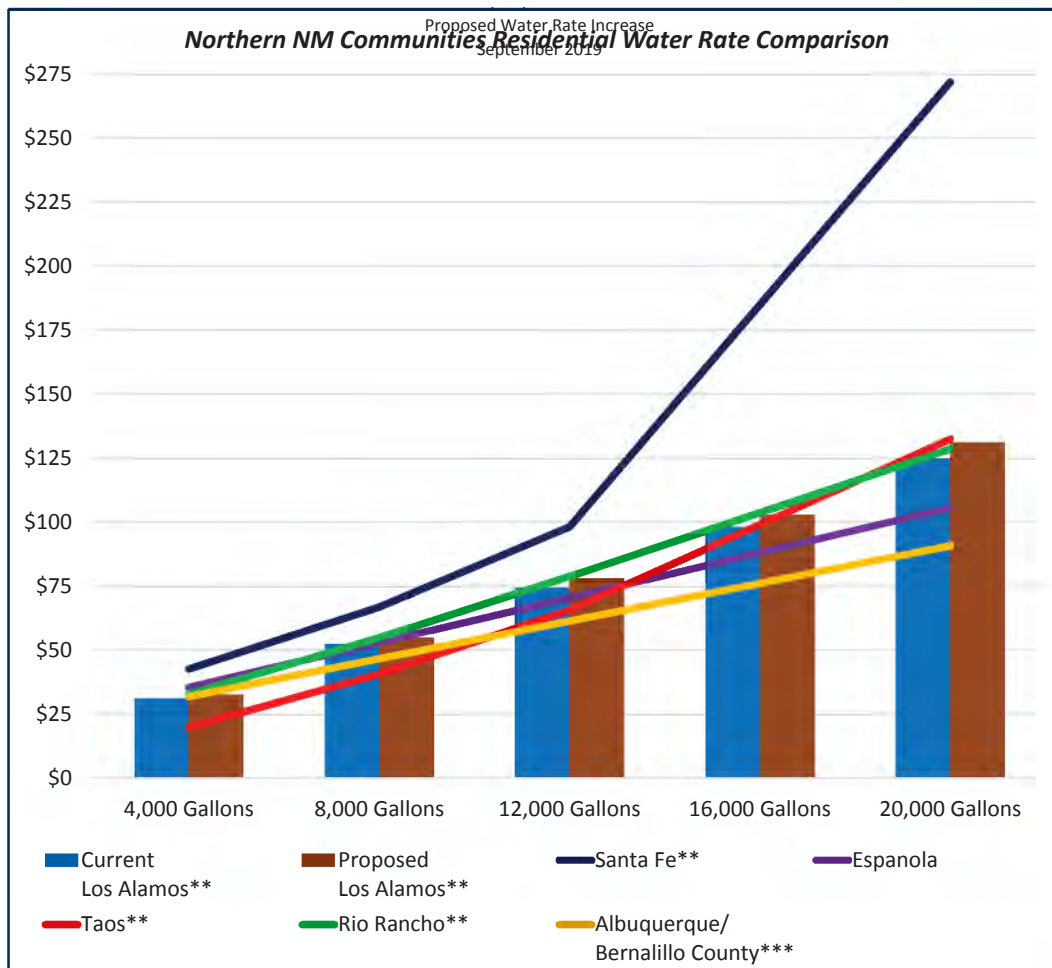
Peak Season (May 1 through Sept 30)

(Single Family: 14,000 gallons consumed with water meter size 1-1/4 inches or less)

	5% Increase 11/26/19	4.25% Increase 10/01/20	4% Increase 10/01/21
Current	\$10.01	\$10.96	\$11.40
Monthly Svc Fee:	\$5.29 x 8.9kgal	\$5.79 x 9kgal	\$6.02 x 9kgal
Tier 1 Commodity Rate Calculation (<=9 kgal):	\$5.62 x 5.1kgal	\$6.15 x 5kgal	\$6.40 x 5kgal
Tier 2 Commodity Rate Calculation (>9 kgal thru 15 kgal)	\$75.43	\$82.86	86.18
Total Commodity 14 kgal			
Total Charges	\$85.74	\$93.82	\$97.58

Residential Water Bills

Comparison With Other Communities



RESIDENTIAL WATER BILLS (Assuming 5/8-inch Water Meter & Peak Season*)

Monthly Use Gallons	LAC Current**	LAC Proposed**	Santa Fe**	Espanola	Taos**	Rio Ranch**	Albuquerque Bernalillo Co.***
4,000	31.17	32.71	42.66	35.49	19.88	32.81	31.91
6,000	41.75	43.81	54.78	44.26	28.22	43.45	39.27
8,000	52.33	54.91	66.90	53.03	40.74	54.97	46.64
12,000	74.48	78.16	98.22	70.56	65.78	78.91	61.36
14,000	85.72	89.96	141.66	79.33	82.46	91.33	68.73
16,000	98.06	102.92	185.10	88.10	99.14	103.75	76.09
20,000	124.94	131.16	271.98	105.63	132.50	128.59	90.82
30,000	192.14	201.76	489.18	149.47	215.90	190.69	127.64

* For comparison purposes, the month of August was used for all locations

** Tiered or seasonal rates apply for this jurisdiction

*** Rates show DO NOT include surcharges for usage in excess of citizen's water budget calculated by season and winter mean which can be up to 100% of commodity charge. Drought surcharges up to 400% may also apply.

10-Year Financial Forecast

FY2020 through FY2029

Water Fund Cash Reserve Analysis

	BUDGET FY 2020	FORECAST FY 2021	FORECAST FY 2022	FORECAST FY 2023	FORECAST FY 2024	FORECAST FY 2025	FORECAST FY 2026	FORECAST FY 2027	FORECAST FY 2028	FORECAST FY 2029
DRINKING WATER (DW) AND WATER PRODUCTION (WP) UTILITIES CASH RESERVES										
Combined Cash Balance DW & WP	1,811,656	3,354,835	3,734,691	5,088,616	5,799,906	5,878,008	6,322,684	6,695,559	7,003,055	6,695,845
Recommended Cash Balance (DW)	1,748,985	1,617,567	1,638,644	1,660,006	1,681,656	1,703,598	1,725,836	1,748,375	1,771,219	1,794,371
Recommended Cash Balance (WP)	4,273,876	4,375,473	4,478,477	4,822,161	4,924,019	4,912,436	4,845,637	4,949,583	5,047,437	5,106,562
Total Recommended Cash Balance	6,022,861	5,993,040	6,117,121	6,482,167	6,605,675	6,616,034	6,571,473	6,697,958	6,818,655	6,900,933
TARGET RESERVE BALANCES										
Debt Service Reserve	258,373	306,914	356,139	645,312	691,916	624,327	500,759	547,161	586,686	586,687
Operations Reserve	2,898,914	2,787,899	2,829,717	2,872,163	2,915,246	2,958,974	3,003,359	3,048,409	3,094,135	3,140,547
Capital Expenditures Reserve	2,092,905	2,113,968	2,135,242	2,156,729	2,178,430	2,200,349	2,222,487	2,244,846	2,267,428	2,290,237
Contingency Reserve	772,669	784,259	796,023	807,963	820,082	832,384	844,869	857,542	870,406	883,462
Total Reserve Balance	6,022,861	5,993,040	6,117,121	6,482,167	6,605,675	6,616,034	6,571,473	6,697,958	6,818,655	6,900,933
RESERVE BALANCE FORECAST										
Debt Service Reserve	258,373	306,914	356,139	645,312	691,916	624,327	500,759	547,161	586,686	586,687
Operations Reserve	1,553,282	2,787,899	2,829,717	2,872,163	2,915,246	2,958,974	3,003,359	3,048,409	3,094,135	3,140,547
Capital Expenditures Reserve	-	260,023	548,834	1,571,141	2,178,430	2,200,349	2,222,487	2,244,846	2,267,428	2,290,237
Contingency Reserve	-	-	-	-	14,313	94,358	596,080	855,143	870,406	678,374
Total Cash Remaining	-	-	-	-	-	-	-	-	184,399	-

Wastewater (Sewer) Fund Cash Reserve Analysis

	BUDGET FY 2020	FORECAST FY 2021	FORECAST FY 2022	FORECAST FY 2023	FORECAST FY 2024	FORECAST FY 2025	FORECAST FY 2026	FORECAST FY 2027	FORECAST FY 2028	FORECAST FY 2029
WASTEWATER (SEWER) UTILITY CASH RESERVES										
Cash Balance	3,438,238	3,992,641	4,671,759	5,122,560	4,829,031	5,066,563	4,661,425	4,517,482	4,615,838	5,141,497
Total Recommended Cash Balance	3,829,695	4,816,653	4,860,089	4,904,132	4,948,792	4,900,292	4,852,425	4,898,984	4,942,855	4,990,729
TARGET RESERVE BALANCES										
Debt Service Reserve	698,314	1,625,124	1,625,123	1,625,123	1,625,124	1,531,339	1,437,555	1,437,554	1,434,213	1,434,214
Operations Reserve	1,909,583	1,938,226	1,967,300	1,996,809	2,026,761	2,057,163	2,088,020	2,119,341	2,151,131	2,183,398
Capital Expenditures Reserve	861,219	887,315	896,188	905,150	914,202	923,344	932,577	941,903	951,322	960,835
Contingency Reserve	360,579	365,987	371,477	377,049	382,705	388,446	394,272	400,186	406,189	412,282
Total Reserve Balance	3,829,695	4,816,653	4,860,089	4,904,132	4,948,792	4,900,292	4,852,425	4,898,984	4,942,855	4,990,729
RESERVE BALANCE FORECAST										
Debt Service Reserve	698,314	1,625,124	1,625,123	1,625,123	1,625,124	1,531,339	1,437,555	1,437,554	1,434,213	1,434,214
Operations Reserve	1,909,583	1,938,226	1,967,300	1,996,809	2,026,761	2,057,163	2,088,020	2,119,341	2,151,131	2,183,398
Capital Expenditures Reserve	830,341	429,291	896,188	905,150	914,202	923,344	932,577	941,903	951,322	960,835
Contingency Reserve	-	-	183,148	377,049	262,944	388,446	203,273	18,684	79,172	412,282
Total Cash Remaining	-	-	-	218,428	-	166,272	-	-	-	150,768

WATER PRODUCTION



Pajarito Booster Tank #3 Repainted 2006 (Left Before & Right After)



Split in Cast Iron Transmission Line



Drilling new Well 2019



Booster Station Roof Replacement (Left Before & Right After)



Concrete Cylinder Transmission Line Failure

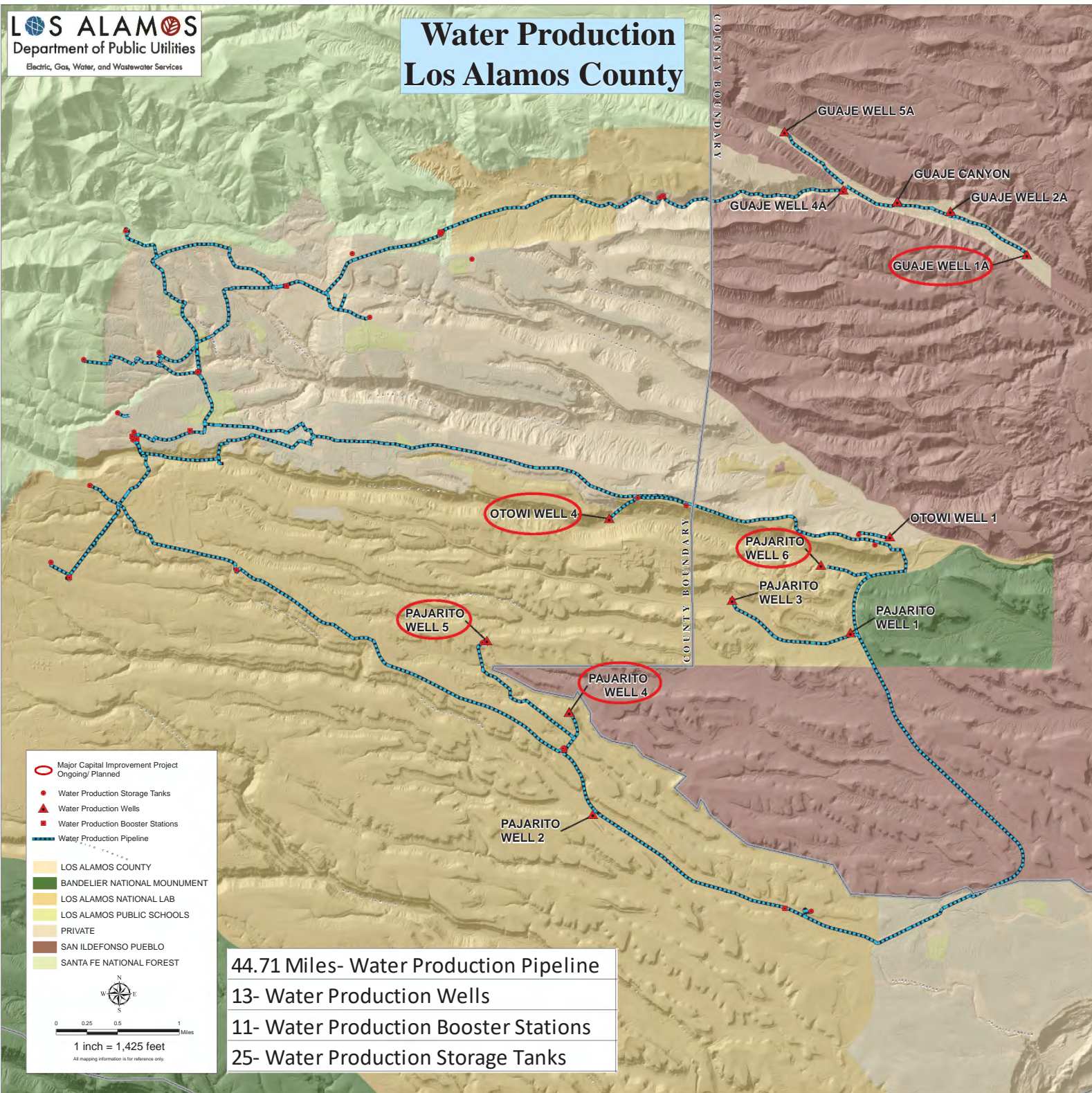


Corroded Cast Iron Pipe



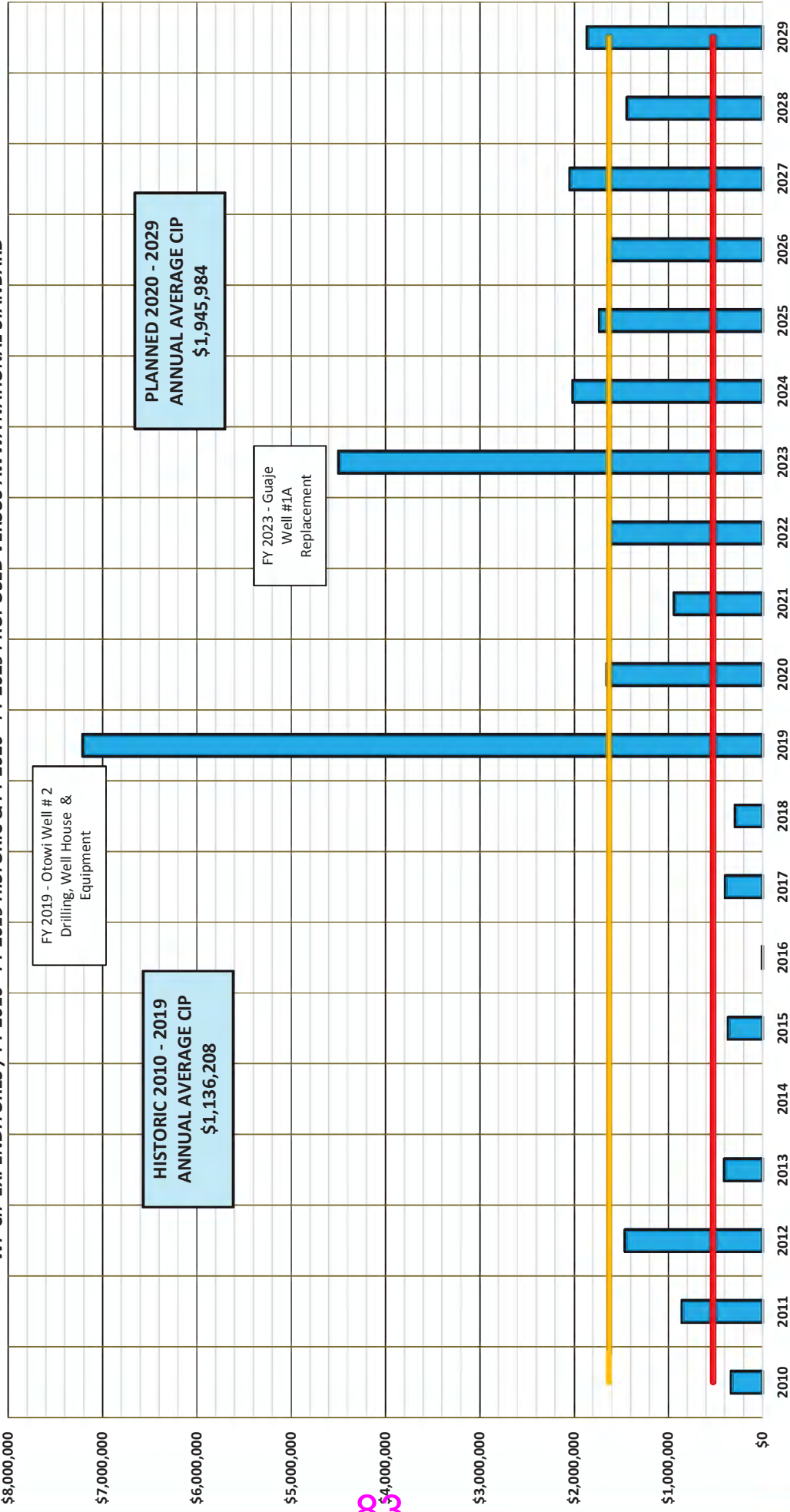
Overlook Park Irrigation Booster Station

Water Production Los Alamos County



WATER PRODUCTION

WP CIP EXPENDITURES / FY 2010 - FY 2019 HISTORIC & FY 2020 - FY 2029 PROPOSED VERSUS AWWA NATIONAL STANDARD



WP Annual CIP Expenditures / Cash + Debt Service FY 2019 AWWA Top Quartile National Standard FY 2019 AWWA Median National Standard

WATER DISTRIBUTION



Water Pressure Reducing Valves Refurbishment (Left Before & Right After)



Steel Pipe Coupling



Leak in Concrete Cylinder Pipe



Corrosion Leak on Steel Pipe



Corroded Cast Iron Pipe



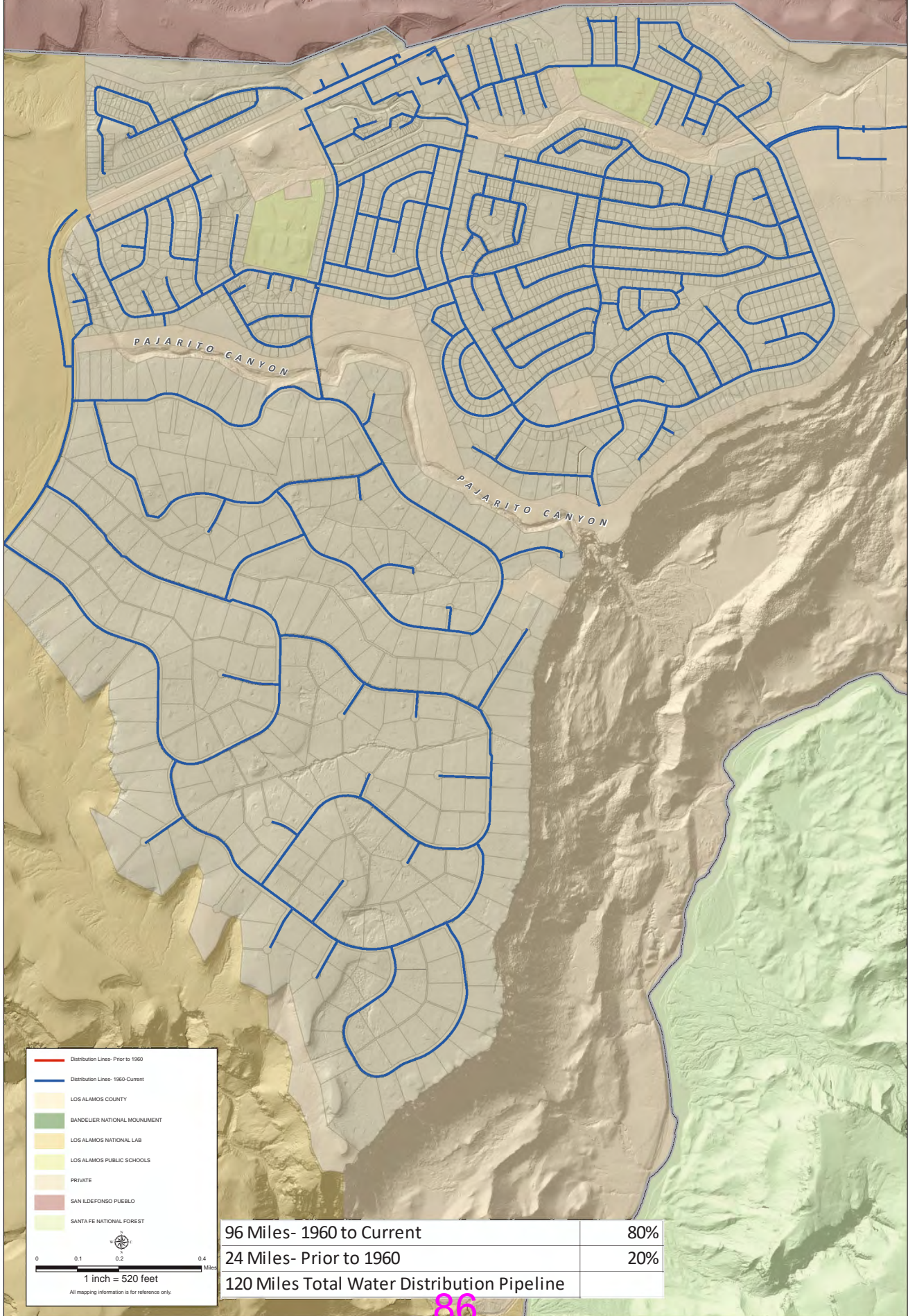
Service Line Leak with Multiple Repair Clamps



Corroded Steel Water Line

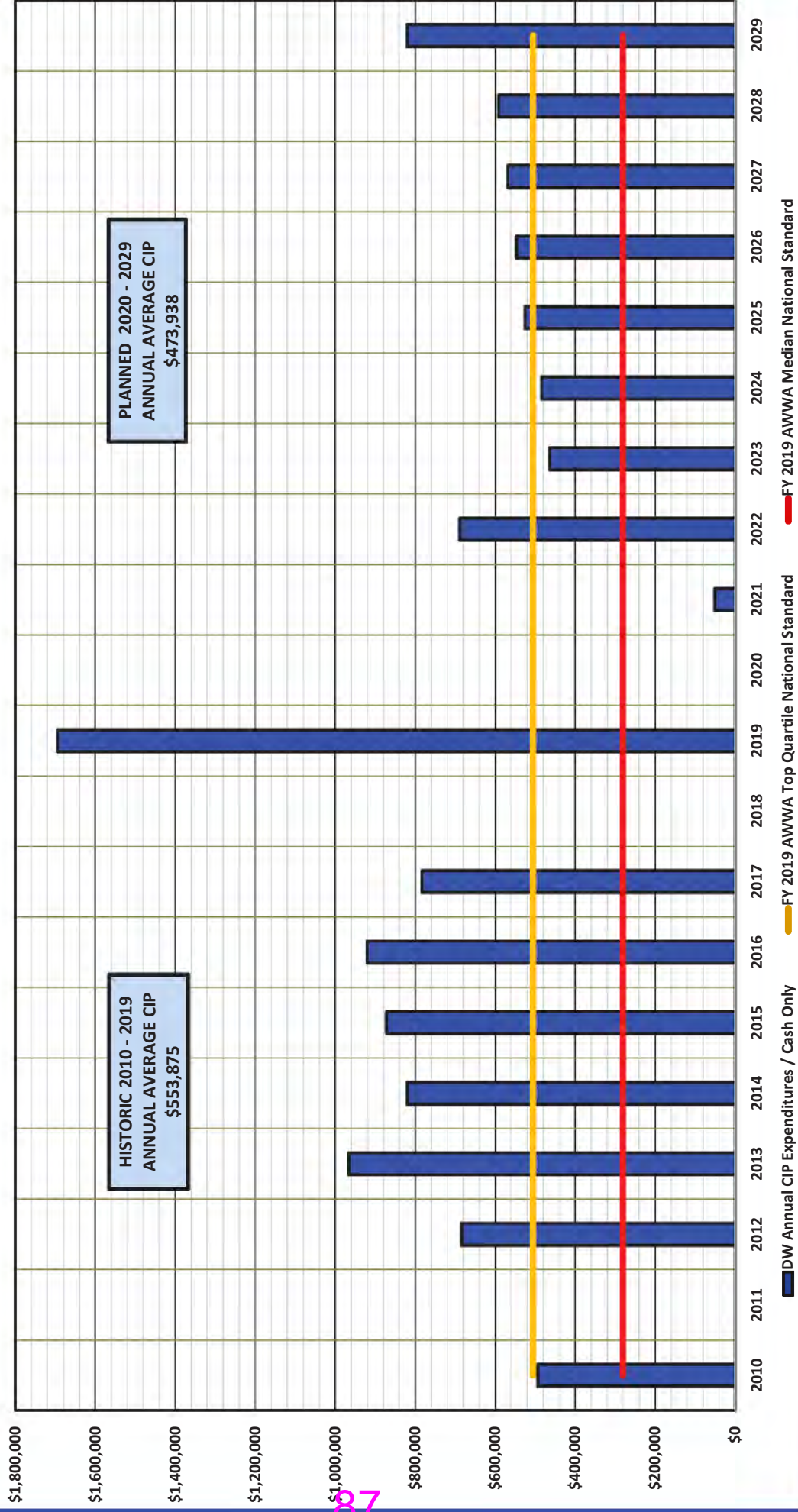


Water Distribution Los Alamos County



WATER DISTRIBUTION

DW CIP EXPENDITURES / FY 2010 - FY 2019 HISTORIC & FY 2020 - FY 2029 PROPOSED VERSUS AWWA NATIONAL STANDARD



Frequently Asked Questions

Water Rate Increase

How much is the water rate increasing?

The Department of Public Utilities is proposing water rate increases covering a three-year period to be approved by the Board of Public Utilities and adopted by the County Council. The increases are across the board – monthly service fees, wholesale, retail, and non-potable water rates as follows:

FY 2020	5 percent
FY 2021	4.25 percent
FY 2022	4 percent

Why do we need these water increases and what do they cover?

To keep DPU's water pumping and delivery system resilient and sound, DPU has future capital projects to complete to ensure:

- Sufficient water to meet our customers' water demands (including increased demands for LANL, and new housing in both White Rock and the Los Alamos townsites),
- Appropriate infrastructure to support fire suppression,
- Repair and replacement of aging infrastructure to reduce leaks and reduce water main breaks,
- Maintain safe, quality drinking water that meets all federal and state health standards.

Further, in 2016 the Board of Public Utilities adopted financial policies to build cash reserves for each utility fund to ensure the department's ability to meet operational needs, handle system retirement obligations, meet debt service requirements and be prepared for unanticipated system failures or external disruptions.

Administrative Office

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customercare@lacnm.us

ladpu.com/dpu

Where Can I find the draft ordinance?

The draft ordinance as well as other information is available on the DPU website at <https://ladpu.com/2019Infrastructure-Rates>

Didn't we have a rate increase just last year?

Yes. Back in 2016 the Board of Public Utilities approved a multi-year approach to improve the financial health of the water fund and maintain a resilient water system. The model suggested that DPU raise water rates as follows:

FY 2017	10 percent
FY 2018	8 percent
FY 2019	6.25 percent
FY 2020	5 percent
FY 2021	4.25 percent
FY 2022	4 percent

Currently, DPU is proposing an ordinance that requests the BPU and Council to approve and adopt the last three years of rate increases in one ordinance (represented in the orange cells above).

What is the process for raising the water rates?

The BPU will hold a public hearing on October 16th at 5:30 pm in the Council Chambers at 1000 Central Ave., Los Alamos, NM. If the BPU approves the ordinance, it will be introduced at the October 29th County Council meeting. The Council will then hold a public hearing to consider adoption at the November 26th council meeting in Council Chambers

When will these rates take effect?

The proposed ordinance states that the increases will go into effect as follows:

Nov. 27, 2019	5 percent
Oct. 01, 2020	4.25 percent
Oct. 01, 2021	4 percent

Is the BPU and County Council locked into these rates for the next three years?

No. Rates can always be modified if the BPU and County Council determine it is appropriate and approve and adopt a new rate ordinance.

There were several breaks to waterlines last spring, has the DPU neglected the water infrastructure?

Over the past 10 years, DPU has reinvested \$11,362,080 in water production infrastructure (this includes the drilling of a new drinking water well) and \$5,538,750 in water distribution infrastructure.

However, maintaining the infrastructure is an ongoing process. DPU has carefully prioritized the water capital improvement projects by identifying areas with the greatest need that impacts the most customers (this includes waterlines that experience frequent breaks for replacement). For the next 10 years going forward, DPU plans to reinvest \$19,459,840 in water production infrastructure (including another replacement well and a booster pump station) and \$5,849,950 in water distribution infrastructure.

Should we abandon water conservation programs and education since the result is less revenue for DPU, therefore causing rates to go up?

It is true that conservation efforts in every community reduce the amount of revenue for the water provider. Yet to safely and reliably provide water to our customers, many expenses are fixed. Regardless of the amount of water sold, DPU needs to maintain and operate the water wells, pump stations, piping and of course we need the appropriate number of employees to keep everything running. If water consumption drops to a point where the revenue is not covering DPU's fixed costs, like other water providers, DPU will need to raise rates to continue to provide this service.

Because water conservation is important, we continue to advocate that all of us be good stewards of this natural resource. Total water rights that the Office of the State Engineer has allotted to Los Alamos County and the DOE is 5,541.3 acre-feet per year. If the County wants to increase housing and expand on economic development with additional businesses, we all need to be prudent with water use.

What if these increases are not approved?

If the rate increases are not approved, DPU will need to consider how it will cut expenses, delaying capital projects which will increase degradation of system conditions and result in a less reliable water utility.

How do these rates compare with other communities?

The following is an example of a residential customer (single-family home) with a 1-1/4-inch water meter. Cells in orange represent the proposed rate increases.

Community	Gallons Consumed Non-Peak Season	Monthly Bill
Los Alamos Current Rate	6,000	\$41.75
Los Alamos Proposed Rate FY20	6,000	\$43.81
Los Alamos Proposed Rate FY21	6,000	\$45.70
Los alamos Proposed Rate FY22	6,000	\$47.52
Santa Fe	6,000	\$54.78
Espanola	6,000	\$44.26
Taos	6,000	\$28.22
Rio Rancho	6,000	\$43.45
Albuquerque/Bernalillo	6,000	\$39.27

Community	Gallons Consumed Peak Season*	Monthly Bill
Los Alamos** Current Rate	14,000	\$85.74
Los Alamos** Proposed Rate FY20	14,000	\$89.96
Los Alamos** Proposed Rate FY21	14,000	\$93.82
Los Alamos** Proposed Rate FY22	14,000	\$97.58
Santa Fe**	14,000	\$141.66
Espanola	14,000	\$79.33
Taos**	14,000	\$82.46
Rio Rancho**	14,000	\$91.33
Albuquerque/Bernalillo***	14,000	\$68.73

**Month of August was used for the peak season comparison.*

*** Tiered or seasonal rates apply for this jurisdiction*

**** Rates shown DO NOT include the surcharges for usage in excess of a customer's water budget calculated by season and winter mean which can be up to 100% of commodity charge. Drought surcharges of up to 400 percent may also apply.*

Is there any assistance for individuals on fixed incomes?

DPU has a Utility Assistance Program. Originally set up to aid with energy bills for heating, the program was changed so that qualifying families can also apply the assistance for water expenses. Inclusion of sewer expenses is a revision to this rule that is going to the Board of Public Utilities for approval on October 16th. A copy of the UAP brochure can be downloaded at:

<https://ladpu.com/UAPBrochure>.

Funded by DPU customer donations, the program is available to:

1. Qualifying low income customers through the months of October through March;
2. Qualifying low income customers over age 65, year-round
3. Customers who demonstrate a financial hardship due to unforeseen circumstances may qualify for a single, lump sum credit.

Customers can contact the Customer Care Center to apply or to donate to the program – 505 662 8333 or CustomerCare@lacnm.us.

Other programs available to assist customers' utility bills including water and sewer expenses are: LA Cares 505 661 8105 or Self-help, Inc 505 662 4666.

New Mexico State offers the NM Low Income Energy Assistance Program (LIHEAP) to assist with energy bills 505 753 2271.

INCORPORATED COUNTY OF LOS ALAMOS CODE ORDINANCE NO. 02-299

AN ORDINANCE AMENDING CHAPTER 40, ARTICLE III, SECTIONS 40-171, 40-173, and 40-175 OF THE CODE OF THE INCORPORATED COUNTY OF LOS ALAMOS PERTAINING TO WATER SERVICE RATE SCHEDULES

WHEREAS, the Incorporated County of Los Alamos, New Mexico ("County") operates a Department of Public Utilities to provide utility services to its citizens; and

WHEREAS, County utilizes a Board of Public Utilities ("BPU") to oversee the Department of Public Utilities; and

WHEREAS, among the responsibilities of the BPU is ensuring the proper utilization of existing operating funds, capital and personnel resources to maintain an acceptable level of service; and

WHEREAS, the BPU is also charged with identifying and planning needed expansion and extensions of the existing utility system; and

WHEREAS, the BPU must further ensure the effective and harmonious operation of the Utilities Department using County resources; and

WHEREAS, it is the further duty of the BPU to prepare a plan for routine operations, capital expansion of the systems and replacement activities; and

WHEREAS, while engaging in this planning activity, the BPU has recognized routine operating cost increases resulting from inflationary pressures that must be covered through revenues in order to maintain appropriate levels of service to the citizens of the County; and

WHEREAS, while engaging in this planning activity, the BPU has also come to realize that County must engage in capital upgrades to the potable and non-potable water production and distribution systems in order to maintain appropriate levels of service to the citizens of the County.

NOW, THEREFORE, BE IT ORDAINED BY THE GOVERNING BODY OF THE INCORPORATED COUNTY OF LOS ALAMOS, as follows:

Section 1. Section 40-171 of the Los Alamos County Code of Ordinances is amended to read as follows:

Sec. 40-171. - Potable water rate schedule 8-A.

(a) *Applicability.* Potable water rate schedule 8-A is applicable to all classes of retail customers whether commercial, residential or otherwise. The rate shall consist of a service charge plus a water consumption charge.

(b) *Service charge.*

<u>Service Charge Per Meter Per Month</u>				
Water Meter Size	Service Charge Per Meter Per Month	<u>Through 09/30/2020</u>	<u>From 10/01/2020 through 09/30/2021</u>	<u>After 09/30/2021</u>
1¼ inch and under	\$ 10.01	<u>\$10.51</u>	<u>\$10.96</u>	<u>\$11.40</u>
1½ inch	31.71	<u>\$33.30</u>	<u>\$34.71</u>	<u>\$36.10</u>
2-inch	47.33	<u>\$49.70</u>	<u>\$51.81</u>	<u>\$53.88</u>
2½ inch, 3-inch	93.40	<u>\$98.07</u>	<u>\$102.24</u>	<u>\$106.33</u>
4-inch	159.05	<u>\$167.00</u>	<u>\$174.10</u>	<u>\$181.06</u>
6-inch	335.76	<u>\$352.55</u>	<u>\$367.53</u>	<u>\$382.23</u>
8-inch	554.76	<u>\$582.50</u>	<u>\$607.25</u>	<u>\$631.54</u>

(b) *Water consumption charge.* The water consumption charge shall be charged to each customer billed under rate schedule 8-A according to the following schedules:

<u>Consumption Oct—Apr (Non Peak Season)</u> <u>Commodity Rate Per 1,000 Gallons</u>				<u>Consumption May—Sept (Peak Season)</u> <u>Commodity Rate Per 1,000 Gallons</u>			
Monthly usage	<9,000 gal	9—15,000 gal	>15,000 gal	Monthly usage	<9,000 gal	9—15,000 gal	>15,000 gal
Residential	5.29	5.29	5.29	Residential	5.29	5.62	6.72
Multi-family	5.29	5.29	5.29	Multi-family	5.29	5.56	5.68
Commercial	5.29	5.29	5.29	Commercial	5.29	5.29	5.29
County/Schools	5.29	5.29	5.29	County/Schools	5.29	5.29	5.29

	<u>Consumption October 1 through April 30 (Non-Peak Season)</u>				
	<u>Commodity Rate per 1,000 Gallons</u>				
	<u>Monthly Consumption</u>		<u>9,000 gal or less</u>	<u>over 9,000 gal to 15,000 gal</u>	<u>over 15,000 gal</u>
<u>Single Family Residential</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>
<u>Multi-Family Residential</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>
<u>Commercial</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>
<u>County/Schools</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>

	<u>Consumption May 1 through September 30 (Peak Season)</u>				
	<u>Commodity Rate per 1,000 Gallons</u>				
	<u>Monthly Consumption</u>		<u>9,000 gal or less</u>	<u>over 9,000 gal to 15,000 gal</u>	<u>over 15,000 gal</u>
<u>Single Family Residential</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.90</u>	<u>\$7.06</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$6.15</u>	<u>\$7.36</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.40</u>	<u>\$7.65</u>

<u>Multi-Family Residential</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.84</u>	<u>\$5.96</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$6.09</u>	<u>\$6.22</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.33</u>	<u>\$6.47</u>
<u>Commercial</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>
<u>County/Schools</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>

Note: Multi-family includes dwelling units and apartments as defined in section 40-201.

Section 2. Section 40-173 of the Los Alamos County Code of Ordinances is amended to read as follows:

Sec. 40-173. - Non-potable water rate charge.

The water consumption rate for non-potable water, including effluent reuse water, shall be ~~\$2.66 per 1,000 gallons.~~ \$2.79 per 1,000 gallons for consumption through 09/30/2020, \$2.91 per 1,000 gallons for consumption 10/01/2020 through 09/30/2021, and \$3.03 per 1,000 gallons for consumption after 09/30/2021.

Section 3. Section 40-175 of the Los Alamos County Code of Ordinances is amended to read as follows:

Sec. 40-175. - Bulk delivery rate schedule 8-D.

(a) Applicability. Schedule 8-D is applicable to all bulk water sold and delivered to bulk points of delivery. The rate shall consist of a service charge plus a water consumption charge.

(b) The bulk delivery rate for water sold and delivered to bulk points of delivery shall be ~~\$3.63 per 1,000 gallons.~~ \$3.81 per 1,000 gallons for consumption through 09/30/2020, \$3.97 per 1,000 gallons for consumption 10/01/2020 through 09/30/2021, and \$4.13 per 1,000 gallons for consumption after 09/30/2021.

(c) The customer service charge for water sold and delivered to bulk points of delivery shall be ~~\$684.44~~ \$718.35 per month per customer for service through 09/30/2020, \$748.88 per

month per customer for service 10/01/2020 through 09/30/2021, and \$778.84 per month per customer for service after 09/30/2021.

Section 4. Effective Date. This ordinance shall become effective upon adoption with the amended rates being applied at the next billing following the effective date of the ordinance.

Section 5. Severability. Should any section, paragraph, clause or provision of this ordinance, for any reason, be held to be invalid or unenforceable, the invalidity or unenforceability of such section, paragraph, clause or provision shall not affect any of the remaining provisions of this ordinance.

Section 6. Repealer. All ordinances or resolutions, or parts thereof, inconsistent herewith are hereby repealed only to the extent of such inconsistency. This repealer shall not be construed to revive any ordinance or resolution, or part thereof, heretofore repealed.

ADOPTED this 26th day of November, 2019.

**COUNCIL OF THE INCORPORATED
COUNTY OF LOS ALAMOS**

Sara C. Scott
Council Chair

ATTEST: (SEAL)

Naomi D. Maestas
Los Alamos County Clerk

**NOTICE OF PUBLIC HEARING FOR
INCORPORATED COUNTY OF LOS ALAMOS CODE ORDINANCE NO. 02-299
AN ORDINANCE AMENDING CHAPTER 40, ARTICLE III, SECTIONS 40-171
40-172, 40-173, and 40-175 OF THE CODE OF THE INCORPORATED COUNTY OF
LOS ALAMOS PERTAINING TO WATER SERVICE RATE SCHEDULES**

Notice is hereby given that the Board of Public Utilities (BPU), Incorporated County of Los Alamos, State of New Mexico, will hold a public hearing on October 16, 2019 at 5:30 p.m. at the Los Alamos Municipal Building at 1000 Central Avenue in Council Chambers. At this open meeting, the BPU will consider and receive public comment on Los Alamos County Code Ordinance No. 02-299. A full copy of the ordinance is available for inspection during regular business hours at the Department of Public Utilities at 1000 Central Avenue, Suite 130. A full copy can also be viewed online at <http://ladpu.com/2019Infrastructure-Rates> . Interested citizens are encouraged to attend this public hearing.

Carrie Walker, Board of Public Utilities Chair
Published: September 26th, 2019

WHEREAS, the Incorporated County of Los Alamos, New Mexico ("County") operates a Department of Public Utilities to provide utility services to its citizens; and

WHEREAS, County utilizes a Board of Public Utilities ("BPU") to oversee the Department of Public Utilities; and

WHEREAS, among the responsibilities of the BPU is ensuring the proper utilization of existing operating funds, capital and personnel resources to maintain an acceptable level of service; and

WHEREAS, the BPU is also charged with identifying and planning needed expansion and extensions of the existing utility system; and

WHEREAS, the BPU must further ensure the effective and harmonious operation of the Utilities Department using County resources; and

WHEREAS, it is the further duty of the BPU to prepare a plan for routine operations, capital expansion of the systems and replacement activities; and

WHEREAS, while engaging in this planning activity, the BPU has recognized routine operating cost increases resulting from inflationary pressures that must be covered through revenues in order to maintain appropriate levels of service to the citizens of the County; and

WHEREAS, while engaging in this planning activity, the BPU has also come to realize that County must engage in capital upgrades to the potable and non-potable water production and distribution systems in order to maintain appropriate levels of service to the citizens of the County.

**NOW, THEREFORE, BE IT ORDAINED BY THE GOVERNING BODY OF THE
INCORPORATED COUNTY OF LOS ALAMOS, as follows:**

Section 1. Section 40-171 of the Los Alamos County Code of Ordinances is amended to read as follows:

Sec. 40-171. - Potable water rate schedule 8-A.

(a) *Applicability.* Potable water rate schedule 8-A is applicable to all classes of retail customers whether commercial, residential or otherwise. The rate shall consist of a service charge plus a water consumption charge.

(b) *Service charge.*

<u>Service Charge Per Meter Per Month</u>				
Water Meter Size	Service Charge Per Meter Per Month	<u>Through 09/30/2020</u>	<u>From 10/01/2020 through 09/30/2021</u>	<u>After 09/30/2021</u>
1¼ inch and under	\$ 10.01	<u>\$10.51</u>	<u>\$10.96</u>	<u>\$11.40</u>
1½ inch	31.71	<u>\$33.30</u>	<u>\$34.71</u>	<u>\$36.10</u>
2-inch	47.33	<u>\$49.70</u>	<u>\$51.81</u>	<u>\$53.88</u>
2½ inch, 3-inch	93.40	<u>\$98.07</u>	<u>\$102.24</u>	<u>\$106.33</u>
4-inch	159.05	<u>\$167.00</u>	<u>\$174.10</u>	<u>\$181.06</u>
6-inch	335.76	<u>\$352.55</u>	<u>\$367.53</u>	<u>\$382.23</u>
8-inch	554.76	<u>\$582.50</u>	<u>\$607.25</u>	<u>\$631.54</u>

(b) *Water consumption charge.* The water consumption charge shall be charged to each customer billed under rate schedule 8-A according to the following schedules:

Consumption Oct—Apr (Non-Peak Season) Commodity Rate Per 1,000 Gallons				Consumption May—Sept (Peak Season) Commodity Rate Per 1,000 Gallons			
Monthly usage	<9,000	9—15,000	>15,000	Monthly usage	<9,000	9—15,000	>15,000

	gal	gal	gal		gal	gal	gal
Residential	5.29	5.29	5.29	Residential	5.29	5.62	6.72
Multi-family	5.29	5.29	5.29	Multi-family	5.29	5.56	5.68
Commercial	5.29	5.29	5.29	Commercial	5.29	5.29	5.29
County/Schools	5.29	5.29	5.29	County/Schools	5.29	5.29	5.29

	<u>Consumption October 1 through April 30 (Non-Peak Season)</u>				
	<u>Commodity Rate per 1,000 Gallons</u>				
	<u>Monthly Consumption</u>		<u>9,000 gal or less</u>	<u>over 9,000 gal to 15,000 gal</u>	<u>over 15,000 gal</u>
<u>Single Family Residential</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>
<u>Multi-Family Residential</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>
<u>Commercial</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>
<u>County/Schools</u>	<u>Through 09/30/2020</u>		<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>		<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>		<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>

	<u>Consumption May 1 through September 30 (Peak Season)</u>			
	<u>Commodity Rate per 1,000 Gallons</u>			
	<u>Monthly Consumption</u>	<u>9,000 gal or less</u>	<u>over 9,000 gal to 15,000 gal</u>	<u>over 15,000 gal</u>
<u>Single Family Residential</u>	<u>Through 09/30/2020</u>	<u>\$5.55</u>	<u>\$5.90</u>	<u>\$7.06</u>
	<u>10/01/2020 to 09/30/2021</u>	<u>\$5.79</u>	<u>\$6.15</u>	<u>\$7.36</u>
	<u>After 09/30/2021</u>	<u>\$6.02</u>	<u>\$6.40</u>	<u>\$7.65</u>
<u>Multi-Family Residential</u>	<u>Through 09/30/2020</u>	<u>\$5.55</u>	<u>\$5.84</u>	<u>\$5.96</u>
	<u>10/01/2020 to 09/30/2021</u>	<u>\$5.79</u>	<u>\$6.09</u>	<u>\$6.22</u>
	<u>After 09/30/2021</u>	<u>\$6.02</u>	<u>\$6.33</u>	<u>\$6.47</u>
<u>Commercial</u>	<u>Through 09/30/2020</u>	<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>	<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>	<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>
<u>County/Schools</u>	<u>Through 09/30/2020</u>	<u>\$5.55</u>	<u>\$5.55</u>	<u>\$5.55</u>
	<u>10/01/2020 to 09/30/2021</u>	<u>\$5.79</u>	<u>\$5.79</u>	<u>\$5.79</u>
	<u>After 09/30/2021</u>	<u>\$6.02</u>	<u>\$6.02</u>	<u>\$6.02</u>

Note: Multi-family includes dwelling units and apartments as defined in section 40-201.

Section 2. Section 40-173 of the Los Alamos County Code of Ordinances is amended to read as follows:

Sec. 40-173. - Non-potable water rate charge.

The water consumption rate for non-potable water, including effluent reuse water, shall be ~~\$2.66 per 1,000 gallons.~~ \$2.79 per 1,000 gallons for consumption through 09/30/2020, \$2.91

per 1,000 gallons for consumption 10/01/2020 through 09/30/2021, and \$3.03 per 1,000 gallons for consumption after 09/30/2021.

Section 3. Section 40-175 of the Los Alamos County Code of Ordinances is amended to read as follows:

Sec. 40-175. - Bulk delivery rate schedule 8-D.

(a) Applicability. Schedule 8-D is applicable to all bulk water sold and delivered to bulk points of delivery. The rate shall consist of a service charge plus a water consumption charge.

(b) The bulk delivery rate for water sold and delivered to bulk points of delivery shall be ~~\$3.63 per 1,000 gallons.~~ \$3.81 per 1,000 gallons for consumption through 09/30/2020, \$3.97 per 1,000 gallons for consumption 10/01/2020 through 09/30/2021, and \$4.13 per 1,000 gallons for consumption after 09/30/2021.

(c) The customer service charge for water sold and delivered to bulk points of delivery shall be ~~\$684.14~~ \$718.35 per month per customer for service through 09/30/2020, \$748.88 per month per customer for service 10/01/2020 through 09/30/2021, and \$778.84 per month per customer for service after 09/30/2021.

Section 4. Effective Date. This ordinance shall become effective upon adoption with the amended rates being applied at the next billing following the effective date of the ordinance.

Section 5. Severability. Should any section, paragraph, clause or provision of this ordinance, for any reason, be held to be invalid or unenforceable, the invalidity or unenforceability of such section, paragraph, clause or provision shall not affect any of the remaining provisions of this ordinance.

Section 6. Repealer. All ordinances or resolutions, or parts thereof, inconsistent herewith are hereby repealed only to the extent of such inconsistency. This repealer shall not be construed to revive any ordinance or resolution, or part thereof, heretofore repealed.

ADOPTED this 26th day of November, 2019.



County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.: 6.C
Index (Council Goals): * 2019 Council Goal - Supporting Social Services Improvement
Presenters: Bob Westervelt, Deputy Utilities Manager - Finance/Admin
Legislative File: 12282-19

Title

Modification of Department of Public Utilities Rules & Regulations - Rule GR-18 Utilities Assistance Program (UAP)

Recommended Action

I move the Board of Public Utilities approve revisions to Department of Public Utilities Rules & Regulations, Rule GR-18, Utilities Assistance Program, as presented.

Staff Recommendation

Staff recommends approval as presented.

Body

As Utilities costs increase, the burden on lower income households becomes increasingly difficult to manage. The "energy assistance program" was originally intended to provide heating assistance to low income customers through the winter months. In 2015 the program was expanded to provide year around assistance to Senior Citizens, to add water to eligible services, and one-time assistance to households demonstrating unusual and unanticipated hardship. Accordingly, the program was renamed the "Utilities Assistance Program". While the revised criteria addresses probably the most critical needs, staff believes there is still room in the program and needs in the community for some broader assistance. The Utilities Board and the County Council have also expressed a desire to assess the practicality of expanding the Utilities Assistance Program (UAP). The UAP is funded entirely through voluntary contributions from customers. Funding has been relatively static for several years. The fund has a significant balance, but current contributions roughly equal current assistance payments, so any expansion of the program would diminish the balance in the fund unless additional contributions are collected. We do live in a generous community. It is staff's opinion that with minimal publicity about the program and the need, additional contributions sufficient to fund the proposed changes would be available.

Under the current rule, assistance is provided to qualifying customers from October 1 thru March 31, or year around for qualified low-income households. Applicants must submit a completed application with proof of all household income. If the application is approved, the customer will receive credit on their bill as governed by our rules and regulations. Three changes to the rule are proposed that if approved will be implemented as funds allow.

-
1. In addition to qualified senior citizens, year-round assistance would be available for account holders qualified through the Social Security Administration as disabled and eligible for Supplemental Security Income (SSI).
 2. Instead of using the median household income for the Santa Fe Metropolitan Statistical Area (MSA) as a benchmark, median household income for the Los Alamos Census Designated Place (CDP) is proposed as a benchmark. This is a relatively new standard demographic data point now readily available, and being somewhat higher would potentially allow more applicants to receive assistance
 3. Assistance will be provided for the billed electric, gas, water and sewer portions of the bill. Currently we only aid with the electric, gas and water portions of the bill. Minimum assistance for any eligible customer would remain \$15.00 per month.

As of June 30, 2019 the UAP fund had a balance of \$23,821.73. A schedule of past program activity (FY16 to FY18) is attached as Exhibit B.

Alternatives

If the proposed changes are not approved, the UAP would continue under existing parameters.

Fiscal and Staff Impact

No fiscal impact as the program is funded entirely through voluntary contributions from customers. Staff impact is minimal as the actual administration of the program will remain like it is now, just with some additional flexibility in granting assistance.

Attachments

- A- Rule GR18 Utilities Assistance Program Proposed Revisions 10-16-19
- B- UAP Fund Program Activity

**RULES AND REGULATIONS
GENERAL RULES (GR)
RULE GR-18
UTILITIES ASSISTANCE PROGRAM (UAP)**

GR-18.01 GENERAL

The purpose of the UAP is to provide assistance to low income residential customers of the Utility during the months of October through March, or year-round for ~~Senior-C~~ citizens over age 65 or account holders qualified through the Social Security Administration for Supplemental Security Income (SSI), or one-time assistance to account holders who demonstrate need due to unforeseen and unusual circumstances. Funding is provided voluntarily from customers.

To qualify for monthly assistance, the household income of the applicant must be below 50% of the median household income for the ~~Santa Fe Metropolitan Statistical Area (MSA)~~ Los Alamos Census Designated Place (CDP), which includes ~~both Santa Fe and all of~~ Los Alamos County~~counties~~. The Department will verify income levels by requesting ~~either~~ either copies of tax returns, ~~or~~ pay stubs, or other suitable documentation.

GR-18.02 AMOUNT OF ASSISTANCE PROVIDED

Assistance is always limited by the amount of contributions. The Utility shall attempt to distribute assistance based on need. Assistance provided will be up to 30% of the customer's average bill for consumption of water, gas, ~~and~~ electric and sewer during the previous winter months of October through March, with a maximum of \$125.00 assistance per month and a minimum of \$15.00 assistance per month for those who qualify. The monthly credit will be limited by the customers total bill for utilities services for each individual month. If the customer does not have previous winter use history at the subject residence staff will estimate appropriate assistance based on relevant comparative information.

GR-18.03 ONE-TIME PAYMENTS FOR IMMEDIATE FINANCIAL HARDSHIP

A single lump sum assistance credit may be applied to a customer's bill if they have a demonstrated need due to unforeseen circumstances (e.g., layoff, illness, major household repairs, etc.) and are in danger of their utility services being turned off for non-payment. A brief statement of income and anticipated expenses, a statement of need or hardship and details of other assistance resources sought or expended will be required. Lump sum payments will generally only be granted once per incident and only after all other assistance programs have been ~~exhausted~~ pursued. The maximum amount will be \$350.00. Each individual case will be judged on its own merit. Staff will make a recommendation for final approval by the Deputy Utilities Manager for Finance and Administration.

GR-18.04 PROCEDURE FOR ALLOCATING ASSISTANCE

The annual assistance period will be October through the following March of each year, or October through the following September for year-round assistance. A new application will be required each year. In September the Utility will determine eligibility for winter or year-round assistance and calculate the maximum allocation for each applicant. One-time assistance payments will be considered as applications are received, if funds are available. Applications received during an annual assistance period will be considered for the remainder of the current assistance period if funds are available. Each month the Utility will compute the maximum allocation for each applicant. If the total allocation thus calculated exceeds projected funds available, the allocations will be reduced on a pro-rata basis. In no case will assistance payments exceed contributed funds available at the time the assistance payment is credited to the customer's account.

County of Los Alamos
Utilities Assistance Program Activity

	FY 16	FY 17	FY 18
Total Contributions	\$9,481.38	\$8,069.79	\$6,496.06
Total Assistance	\$6,566.41	\$8,692.10	\$8,689.00
Balance	\$27,988.51	\$27,366.20	\$25,173.26
TOTAL # of families assisted	29	46	41
# families 6 mos assistance	22	37	29
# families year round assistance	7	9	12
\$Reg 6 mos assistance	\$4,074.09	\$5,706.42	\$4,389.00
\$Year Round Assistance	\$2,492.32	\$2,985.67	\$4,300.00
Average Asst per HH (6 mos)	\$185.19	\$154.23	\$151.34
Average Asst per HH (year round)	\$356.05	\$331.74	\$358.33



County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.: 7.A
Index (Council Goals): * 2019 Council Goal - N/A
Presenters: Board of Public Utilities
Legislative File: 12404-19

Title

Approval of Board of Public Utilities Meeting Minutes

Recommended Action

I move that the Board of Public Utilities approve the meeting minutes of September 18th, 2019 and October, 2nd 2019 as presented.

Body

REQUESTED REVISIONS TO THE DRAFT MINUTES

Draft minutes are sent to members after each meeting for their review. Members may then send changes to be incorporated prior to final approval of the minutes at the next regular meeting.

The following changes were incorporated into the minutes presented for approval:

1. Philo Shelton - Minutes of September 18th - In item 7.B., added the following statement: "1) Staff will present to the public these proposed rate increases with one meeting in White Rock on October 7th and one in Los Alamos on October 10th."

Attachments

- A - Draft BPU Regular Session Minutes - September 18th, 2019
- B - Draft BPU Special Session Minutes - October 2nd, 2019



LOS ALAMOS

County of Los Alamos
Minutes
Board of Public Utilities

1000 Central Avenue
Los Alamos, NM 87544

Carrie Walker, Chair; Jeff Johnson, Vice-chair; Stephen McLin, Kathleen Taylor and Steve Tobin Members
Philo Shelton, Ex Officio Member
Harry Burgess, Ex Officio Member
Pete Sheehey, Council Liaison

Wednesday, September 18, 2019

5:30 PM

1000 Central Avenue
Council Chambers

REGULAR SESSION

1. CALL TO ORDER

The regular meeting of the Incorporated County of Los Alamos Board of Public Utilities was held on Wednesday, September 18th, 2019 at 5:30 p.m. at 1000 Central Ave., Council Chambers. Ms. Walker called the meeting to order at 5:30 p.m.

Present 4 - Board Member Walker, Board Member Tobin, Board Member McLin and Board Member Taylor

Absent 1 - Board Member Johnson

2. PUBLIC COMMENT

Ms. Walker opened the floor for public comment on items on the Consent Agenda and for those not otherwise included on the agenda. There were no comments.

3. APPROVAL OF AGENDA

Mr. McLin moved that the agenda be approved as presented. The motion passed by the following vote:

Yes: 4 - Board Member Walker, Board Member Tobin, Board Member McLin and Board Member Taylor

Absent: 1 - Board Member Johnson

4. BOARD BUSINESS

4.A. Chair's Report

Ms. Walker moved that the Board of Public Utilities approve the following statement for inclusion in the minutes: The matters discussed in the closed session held on September 6th, 2019 at 11:30 a.m. were limited only to those topics specified in the notice of the closed session, and no action was taken on any matter in that closed session. The motion passed by a show of hands:

Yes: 4 - Board Member Walker, Board Member Tobin, Board Member McLin and Board Member Taylor

Absent: 1 - Board Member Johnson

Ms. Walker reported on the following items:

1) Ms. Walker suggested that members watch the presentations from the previous night's BPU/Council joint meeting when it is available online.

4.B. Board Member Reports

There were no reports.

4.C. Utilities Manager's Report

Mr. Shelton provided a written report, which is included in the minutes as an attachment.

Ms. Taylor asked if the solar panels at the landfill had to be ballasted. Mr. Shelton reported that all the panels are ballasted, and some along the canyon edge needed additional ballasting.

Mr. Tobin asked if the loss of the NaS battery had any impact on regulating an oscillating 2MW of solar power. Mr. Shelton reported that that battery has not been operational for some time, so there was no impact.

4.D. County Manager's Report

Mr. Burgess reported on the following items:

1) Conversations and planning efforts have begun for the installation of utilities to address expanded uses along DP Road. He appreciates Utilities staff meeting with County staff to move the projects forward. The pressing issue is pending construction of the first of the affordable housing units along DP Road.

2) The County is attempting to obtain additional land from Los Alamos National Lab for additional housing. He anticipates that a request will be submitted by the County by the end of the week for a potential transfer of several units near the Lucinda area. There are two parcels that could potentially be closest to existing utilities and would have available land that would not have mission critical needs. If accepted, that would be a long-term project to consider.

4.E. Council Liaison's Report

Mr. Sheehey reported on the following items:

1) Council received an excellent report the previous evening on electric production plans and future modeling, followed by Chair Walkers report on the Board's previous year's activities. He felt the Council was appropriately impressed with the complexity of the issues the Board and Department deals with. He thinks Council was grateful for their efforts.

2) October 15th is a tentative date for Los Alamos National Lab to meet with the Council and publicly give their report for a \$13 billion expansion on Lab property over the next 10 years, along with additional infrastructure work outside the Lab to accommodate additional traffic and people. Mr. Sheehey believes these plans can change as politics

change, but the need for national security never goes away, and the County should be prepared to handle possible growth at the Lab.

4.F. Environmental Sustainability Board Liaison's Report

Ms. Susan Barns provided a written report, which is included in the minutes as an attachment.

4.G. General Board Business

4.G.1 [11701-19](#) Quarterly Conservation Program Update

Presenters: James Alarid

Deputy Utility Manager of Engineering Mr. James Alarid presented this item. The following is the substance of the item being considered.

Upon approval of the Energy and Water Conservation Plan in March 2015, the Board requested that staff provide quarterly updates on the Conservation Program and on progress towards the goals and actions identified in the plan. Mr. Alarid presented a summary of recent conservation activities and discussed the upcoming plan to begin updating the Conservation Plan.

4.H. Approval of Board Expenses

There were no Board expenses.

4.I. Preview of Upcoming Agenda Items

4.I.1 [12310-19](#) Tickler File for the Next 3 Months

Presenters: Board of Public Utilities

In addition to the items already listed in the tickler provided in the agenda packet, the following items were identified for the tickler for upcoming meetings:

1) 10/16/2019 - The gas system presentation scheduled for this meeting will be moved to the meeting on 11/20/2019.

5. PUBLIC HEARING(S)

There were no public hearings scheduled for this meeting.

6. CONSENT AGENDA

Ms. Taylor moved that the Board of Public Utilities approve the items on the Consent Agenda as presented and that the motions contained in the staff reports be included in the minutes for the record. The motion passed by the following vote:

Yes: 4 - Board Member Walker, Board Member Tobin, Board Member McLin and Board Member Taylor

Absent: 1 - Board Member Johnson

6.A [12307-19](#) Approval of Board of Public Utilities Meeting Minutes

Presenters: Department of Public Utilities

I move that the Board of Public Utilities approve the meeting minutes of August 22nd, 2019 as presented.

6.B [AGR0644-19](#) Approval of Services Agreement No. AGR20-912 with SmartPhone Meter Reading, L.L.C. in the amount of \$52,439.20, plus Applicable Gross Receipts Tax, for the Purpose of Smart Phone Meter Reading System (SPMRS) Agreement

Presenters: Jack Richardson

I move that the Board of Public Utilities approve Services Agreement No. AGR20-912 with SmartPhone Meter Reading, L.L.C. in the amount of \$52,439.20 and a contingency in the amount of \$10,488.00 for a total of \$62,927.20 plus applicable gross receipts tax, for the purpose of purchasing and installing a smart phone meter reading system.

6.C [RE0423-19](#) Incorporated County of Los Alamos Resolution No. 19-24: A Resolution Authorizing the County Council Chair or Los Alamos County Utilities Manager to Approve Submission of Completed Applications and Necessary Documents for 2020 Applications to the Water Trust Board for Funding Non-Potable Water System Projects

Presenters: James Alarid

I move that the Board of Public Utilities approve Resolution 19-24; A Resolution Authorizing the County Council Chair or Los Alamos County Utilities Manager to Approve Submission of Completed Applications and Necessary Documents for 2020 Applications to the Water Trust Board for Funding Non-Potable Water System Projects, and forward to Council for approval.

7. BUSINESS

7.A [12147-19](#) Approval of AGR20-917 Water Sales Agreement for Water Services to Los Alamos National Laboratory - 89233119CNA000103

Presenters: Philo Shelton

Mr. Shelton presented this item. The following is the substance of the item being considered.

The current Water Sales Agreement for Water Services to Los Alamos National Laboratory was a 10-year agreement that expires on September 30, 2019. DPU is also working with NNSA on a water rights agreement, and by doing this one-year bridge agreement for Water Sales to Los Alamos National Laboratory, the goal is to bring both agreements in alignment to have the same contract renewal periods so one does not expire before the other. The estimated amount of water sales over this one-year bridge term is \$1,166,460.00.

The Board discussed this item and requested clarification where necessary.

Ms. Taylor moved the Board of Public Utilities approve Bridge Agreement No. 89233119CNA000103 - Water Sales Agreement for water services to Los Alamos National Laboratory, and forward to Council for approval. The motion passed by the following vote:

Yes: 4 - Board Member Walker, Board Member Tobin, Board Member McLin and Board Member Taylor

Absent: 1 - Board Member Johnson

7.B 12223-19 Preliminary Discussion - Water and Sewer Rate Adjustments

Presenters: Jack Richardson

Deputy Utility Manager of Gas, Water and Sewer Mr. Jack Richardson presented this item. The following is the substance of the item being considered.

For this preliminary discussion of proposed FY20 rate ordinances, both sewer and water rate adjustments were presented together. The long-range plan for both systems incorporates a series of modest rate increases over several fiscal years. This approach helps consumers adjust to increasing costs over time but provides adequate funding for planned initiatives in each year. The rate trajectory was considered in the long-range proposals discussed in 2016 and 2018, and has been reviewed each year since. There have been some opportunities taken advantage of, such as the refinancing of existing debt in the sewer utility and the one-time transfer of excess funds from the gas utility to the sewer utility. The long-range projections have been adjusted as appropriate to account for these actions and to reflect actual operational experience since first implemented. Staff now feels confident the short to mid-term rate trajectory proposed in the FY2020 budget are appropriate for the three-year horizon and is thus proposing a multi-year rate adjustment at this time. This and future proposed rate actions should restore cash flow to an acceptable level in both systems. The Board discussed this item and requested clarification where necessary.

The following actions were identified for follow-up:

- 1) Staff will present to the public these proposed rate increases with one meeting in White Rock on October 7th and one in Los Alamos on October 10th.
- 2) Staff will plan to present the ordinances for approval at a public hearing during the October regular meeting.
- 3) The effective dates of the increases scheduled for subsequent years will be changed to September 30th in those years.

8. STATUS REPORTS

8.A 12309-19 Status Reports

Presenters: Board of Public Utilities

The following informational status reports were provided to the Board in the agenda packet:

- 1) Electric Reliability Update
- 2) Accounts Receivables Report
- 3) Safety Report

9. PUBLIC COMMENT

Ms. Walker opened the floor for public comment on any items. Members of the public gave the following summarized comments:

- 1) County Attorney Mr. Alvin Leaphart reminded the Board of the need to schedule a closed session to discuss pending litigation related to the Public Service Company of New Mexico's abandonment of San Juan Generating Station. He polled the Board to get their availability for a meeting with Council on September 23rd at noon. All present noted that they were able to attend, except Mr. McLin, who would try to call in.

10. ADJOURNMENT

The meeting adjourned at 7:22 p.m.

APPROVAL

Board of Public Utilities Chair Name

Board of Public Utilities Chair Signature

Date Approved by the Board

ATTACHMENT
OFFICER REPORTS
SUBMITTED AT THE MEETING

**Utility Manager's Report
September 18, 2019**

1. Attended the UAMPS board meeting by telephone on September 17th and 18th. UAMPS is gathering three years of members' comprehensive financial audits in preparing documents to finance the next phase of the project. The annual board retreat and strategic planning meeting is scheduled for Monday, October 14th until Wednesday, October 16th. This meeting is being held in Corvallis, OR, where the one-third scale of the small modular nuclear reactor is located. Unfortunately, given the board meeting is on Wednesday morning, I am not able to fly in time to get back in time for the BPU board meeting on Wednesday, October 16th. Does the board wish to schedule a tour of this facility?
2. Finalized the water sales agreement with NNSA. The existing agreement expires on September 30, 2019.
3. The BPU Strategic Planning meeting is scheduled for October 2nd and DPU's Staff is scheduled for October 10th.
4. Held several meetings with staff in preparing for the proposed rate increases for the water and wastewater funds. See attached press release for additional details on the department's outreach activities. We have comment cards and will develop a frequently asked questions information page as part of this public outreach process.
5. Continued to review job descriptions with staff in preparation of the next salary survey. The first round of the Wastewater Superintendent recruitment did not result in a hire. To date for this second recruitment, we have received a few qualified applicants, who will be interviewing next week.
6. Budget Billing is now available and has been reinstated to existing customers who were enrolled in this program in the past. Letters were sent to these existing customers notifying them that they have been reinstated into the Budget Billing Program.
7. We were notified this week that DOE is not able to energize the LASS until February 2020. Staff will continue to get the conduits in place to allow for the eventual connection to this new sub-station.
8. The NM 502 project has completed the installation of water services on the south half of Trinity Drive. The gas line is installed and in the process of being pressure tested. The electric and communication conduits on south half of the road are also completed. The sewer crossing at Trinity and DP Road with two manholes are completed. This next month, detour paving will be installed on the south half of the road and then the crossings on the north half of the road can be completed for each utility.
9. The White Rock Wastewater Treatment Plant Project held its design kickoff meeting. In October, staff will tour three different wastewater treatment facilities to see different design alternatives in operation. By December, the risk and value engineering report will be completed and there will be a recommendation for the most efficient and effective design alternative.

10. The AMI project continues to receive meters for the conversion and to date three radio base stations have been received. Staff is in the process of getting these base stations installed.
11. Otowi Well #2 Request for Proposals (RFP) for design is advertised with a preproposal conference scheduled for next week.
12. Next week, the LAC Economic Development project for the DP Road lift station will go out to bid to support affordable housing at Canyon Walk apartments and the Bluffs senior apartments.
13. Power was lost to the sodium sulfur (NaS) battery that resulted in the battery being cooled down. Since the NaS battery has not been utilized for operations, its shutdown will save operating expenses. Staff is in the process of issuing RFP for the disposition of these batteries.

NEWS RELEASE

Julie Williams-Hill
Public Relations Manager
Los Alamos Department of Public Utilities
505.662.8002
julie.williams@lacnm.us



Department of Public Utilities
Electric, Gas, Water, and Wastewater Services
1000 Central Avenue, Suite 130
Los Alamos, NM 87544
P 505.662.8333 F 505.662.8005
losalamosnm.us

Date: September 12, 2019

FOR IMMEDIATE RELEASE

Water and Sewer Infrastructure and Rates

Los Alamos, New Mexico—Los Alamos Department of Public Utilities (DPU) will ask its board (the Board of Public Utilities) for multi-year increases to water and sewer rates at an October 16 public hearing. Prior to the hearing, DPU officials invite Los Alamos citizens to the September BPU meeting for preliminary discussions with board members; view a documentary on the condition of the nation's infrastructure; and then attend a public meeting in either White Rock or the townsite.

"These complex infrastructure systems are essential to the economic prosperity and public health of our community," advised Utilities Manager Philo S. Shelton, III. "We need to ensure that we are properly updating and maintaining the system now, taking preventive measures, rather than waiting when corrective repairs are more expensive."

Shelton encourages the public to attend the Wednesday, Sept. 18 board meeting at 5:30 p.m. in Council Chambers located at 1000 Central Ave. when initial discussions will take place. DPU staff will explain the need for the rate increases and recommend they be structured for yearly increases over the next three years. Specifically, staff is advocating that water rates would increase each year 5, 4.25 and 4 percent respectively. Sewer rates would increase each year 6, 3, and 2 percent respectively.

To highlight the critical role water and sewer infrastructure plays in safeguarding quality of life across the United States, DPU staff has arranged for the county's public access channel to air a documentary produced by Penn State Public Broadcasting: **Liquid Assets, The Story Of Our Water Infrastructure**. Though largely out of sight and out of mind, the film warns that many of these complex systems are aging, neglected, and in need of immediate national and local attention. Citizens can view the trailer on the county website at

-MORE-

Press Release: Infrastructure and Rates
September 12, 2019
Page 2

<https://ladpu.com/2019Infrastructure-Rates> and will have six opportunities to watch the full-length documentary on Los Alamos' PAC 8 on the following days and times:

Sunday, Sept. 22 @ 6PM
Wednesday, Sept. 25 @ 6PM
Thursday, Sept. 26 @ noon

Sunday, Sept. 29 @ 6PM
Wednesday, Oct. 2 @ 6PM
Thursday, Oct. 3 @ noon

In addition, Shelton urges citizens to attend one of two public meetings to discuss the more specific topics of Los Alamos' water and sewer infrastructure and necessary rates to meet the community's needs. The meetings are scheduled as follows:

Monday, Oct. 7 at 6 p.m.
White Rock Library
10 Sherwood, White Rock
Thursday, Oct. 10 at 6 p.m.
The Nature Center
2600 Canyon Rd, Los Alamos

The Board of Public Utilities will consider approval of DPU's proposed rate ordinances at a public hearing on Wednesday, Oct. 16 at 5:30 p.m. in Council Chambers, 1000 Central Ave., Los Alamos, NM. If approved, the County Council will consider adoption in November.

For more information contact the Customer Care Center, Monday through Friday from 8 a.m. to 4 p.m. at 505 662 8333 or CustomerCare@lacnm.us.

-30-

The Department of Public Utilities (DPU) operates the county-owned electric, gas, water & wastewater systems under the jurisdiction of the Board of Public Utilities. The Board meets in Council Chambers at 1000 Central Ave., Los Alamos, NM every third Wednesday of the month at 5:30 p.m. The DPU is funded by rates paid for electric, gas, water and wastewater services and auxiliary fees, and has provided the community with these services for more than 50 years. CustomerCare@lacnm.us | [505.662.8333](tel:505.662.8333) | www.losalamosnm.us/government/departments/UTILITIES.

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Environmental Sustainability Board (ESB) liaison report

Susan Barns, ESB Liaison 9/18/2019

July and August meeting activities included:

- A presentation from Robert Gibson on Los Alamos County Energy Use and Green House Gas Emissions.
- Updates from the Save As You Throw Research Subcommittee.
- Reports on the zero waste efforts at the Summer Concert Series

Tomorrow night's ESB meeting will include:

- An informational update from the Save-As-You-Throw Research Subcommittee on estimated rates under different scenarios of SAYT, summary of comments, and request for recommendation on next steps.
- An update on Environmental Services Business and Operations
- Summary information and discussion of the Summer Concert Series zero waste program



LOS ALAMOS

County of Los Alamos
Minutes
Board of Public Utilities

1000 Central Avenue
Los Alamos, NM 87544

Carrie Walker, Chair; Jeff Johnson, Vice-chair; Stephen McLin, Kathleen Taylor and Steve Tobin Members
Philo Shelton, Ex Officio Member
Harry Burgess, Ex Officio Member
Pete Sheehey, Council Liaison

Wednesday, October 2, 2019

5:30 PM

1000 Central Avenue
Council Chambers

SPECIAL SESSION

1. CALL TO ORDER

The regular meeting of the Incorporated County of Los Alamos Board of Public Utilities was held on Wednesday, October 2nd at 5:30 p.m. at 1000 Central Ave., Council Chambers. Ms. Walker called the meeting to order at 5:30 p.m.

Present 6 - Board Member Walker, Board Member Johnson, Board Member Tobin, Board Member McLin, Board Member Taylor and Board Member Shelton

Absent 1 - Board Member Burgess

2. PUBLIC COMMENT

Ms. Walker opened the floor for public comment. There were no comments.

3. APPROVAL OF AGENDA

Mr. Johnson moved that the agenda be approved as presented. The motion passed by the following vote:

Yes: 5 - Board Member Walker, Board Member Johnson, Board Member Tobin, Board Member McLin and Board Member Taylor

4. BUSINESS

4.A 12264-19 Strategic Planning for the Department of Public Utilities

Presenters: Philo Shelton

The Utilities Manager is expected to annually develop strategic objectives and long-term goals and present them to the Board for approval. The Utilities Manager has scheduled a meeting on October 10th for staff to begin strategic planning for fiscal year 2021. Staff plans to return to the Board at the October 16th regular meeting to present and request approval of any proposed revisions to the Mission, Vision, Values, strategic objectives, and long-term goals. At this meeting, staff requested Board input to incorporate into planning efforts to ensure alignment of focus areas, strategic objectives and goals with

Board and County priorities.

Mr. Shelton introduced Dawn Reed from Human Strategies, LLC. Ms. Reed was present to facilitate the meeting and gather feedback. A presentation was given on how the Department's community input processes and key systems for continuous improvement, which are based on Baldrige principals for performance excellence, guide strategic planning.

Changes to the Mission, Vision, Values and strategic objectives suggested by the Board are noted in attached documents along with the results of an exercise to prioritize those objectives.

Ms. Walker called for a recess at 7:22 p.m. The meeting reconvened at 7:31 p.m.

The Department's community input processes were discussed by Public Relations Manager Ms. Julie Williams-Hill, and the Board discussed potential topics on which additional citizen input and research might be warranted. An item will be placed on the November regular meeting to continue this discussion to identify topics and determine the best ways to get input. The following three potential topics were identified at the meeting: energy resources, conservation plan update and water distribution infrastructure issues.

The Board conducted a plus/delta exercise to note what they liked and what they would change about the meeting. That is also included in the minutes as an attachment.

5. PUBLIC COMMENT

Ms. Walker opened the floor for public comment. There were no comments.

6. ADJOURNMENT

The meeting adjourned at 8:08 p.m.

APPROVAL

Board of Public Utilities Chair Name

Board of Public Utilities Chair Signature

Date Approved by the Board

**DEPARTMENT OF PUBLIC UTILITIES
STRATEGIC GOALS & OBJECTIVES
BOARD OF PUBLIC UTILITIES SUGGESTED CHANGES & PRIORITIZATION
October 2nd, 2019 Strategic Planning Meeting**

- *Priority indicated by number of votes allotted by each member (nominal voting technique)*
- *1 member allotted 1 vote equally between 5 objectives.*

FOCUS AREA - OPERATIONS & PERFORMANCE

GOAL - 1.0 Provide safe and reliable utility services.

--	.2	1.1 OBJECTIVE - WATER (WP/NP/DW) - Efficiently deliver safe and reliable water utility services.
--	.2	1.2 OBJECTIVE - GAS - Efficiently deliver safe and reliable gas utility services.
--	.2	1.3 OBJECTIVE - SEWER (WC & WT) - Efficiently deliver safe and reliable sewer utility services.
--	.2	1.4 OBJECTIVE - ELECTRIC (EP) - Efficiently deliver safe and reliable electric production utility services.
--	.2	1.5 OBJECTIVE - ELECTRIC (ED) - Efficiently deliver safe and reliable electric distribution utility services.
● ●	2	1.6 OBJECTIVE - BUSINESS SYSTEMS - Efficiently implement and maintain secure and reliable business systems.
●	1	1.7 OBJECTIVE - Utility control and mapping systems and processes are accurate, safe and secure.
● ●	2	1.8 OBJECTIVE - Develop a culture of continuous improvement.

FOCUS AREA - FINANCIAL PERFORMANCE

GOAL - 2.0 Achieve and maintain excellence in financial performance.

● ● ● ●	4	2.1 OBJECTIVE - Utilize revenues to provide a high-level of service while keeping rates competitive with similar utilities.
●	1	2.2 OBJECTIVE - Conduct cost of service studies for each utility at least every 5 years.
●	1	2.3 OBJECTIVE - Meet financial plan targets by 2025 <u>(water by 2028).</u>
●	1	2.4 OBJECTIVE – Achieve workplans while operating within budget.

FOCUS AREA - CUSTOMERS & COMMUNITY

GOAL - 3.0 Be a customer service oriented organization that is communicative, efficient, and transparent.

● ● ●	3	3.1 OBJECTIVE - Customer service processes and systems are efficient, <u>secure</u> and user-friendly.
●	1	3.2 OBJECTIVE - Stakeholders are engaged in and informed about Utilities operations affecting the community.

FOCUS AREA - WORKFORCE

GOAL - 4.0 Sustain a capable, satisfied, engaged, ethical and safe workforce focused on customer service.

●	1	4.1 OBJECTIVE - Leaders invest in employee training and professional development.
● ●	2	4.2 OBJECTIVE - Employees promote a culture of safe and ethical behavior.
● ● ●	3	4.3 OBJECTIVE - Employees are engaged, satisfied and fairly compensated.

**DEPARTMENT OF PUBLIC UTILITIES
STRATEGIC GOALS & OBJECTIVES
BOARD OF PUBLIC UTILITIES SUGGESTED CHANGES & PRIORITIZATION
October 2nd, 2019 Strategic Planning Meeting**

FOCUS AREA - ENVIRONMENTAL SUSTAINABILITY

GOAL - 5.0 Achieve environmental sustainability.

● ● ● ●	4	5.1 OBJECTIVE - ELECTRIC (EP & ED) Be a carbon neutral electric provider by 2040.
● ● ● ●	4	5.2 OBJECTIVE - ELECTRIC (ED) - Electrical efficiency is promoted through targeted energy conservation programs.
● ●	2	5.3 OBJECTIVE - WATER (DW) – Gallons per capita per day (GPCD) potable water use is reduced by 9% by 2030. Potable water reduction objective to be defined per the 2020 DPU Conservation Plan revision.
● ● ● ●	4	5.4 OBJECTIVE - GAS – Customer heating efficiency is improved to reduce gas usage by 3% by 2030. Gas reduction objective to be defined per the 2020 DPU Conservation Plan revision.
● ●	2	5.5 OBJECTIVE - SEWER (WT) - Class 1A effluent water is provided in White Rock.

FOCUS AREA - PARTNERSHIPS

GOAL - 6.0 Develop and strengthen partnerships with stakeholders.

●	1	6.1 OBJECTIVE - Communicate with stakeholders to strengthen existing partnerships and identify new potential mutually beneficial partnering opportunities.
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DEPARTMENT OF PUBLIC UTILITIES
MISSION/VISION/VALUES STATEMENTS
Proposed Revisions from the Board of Public Utilities
October 2nd, 2019

MISSION

Provide safe and reliable utility services in an economically and environmentally sustainable fashion.

VISION

Be a high-performing utility matched to our community, contributing to its future with diversified and innovative utility solutions.

VALUES

We value our:

- CUSTOMERS by being service oriented and fiscally responsible;
- EMPLOYEES AND PARTNERSHIPS by being a safe, ethical and professional organization that encourages continuous learning;
- ~~NATURAL RESOURCES~~ ENVIRONMENT through innovative and progressive solutions;
- COMMUNITY by being communicative, organized and transparent.

**Board of Public Utilities
Strategic Planning Meeting
October 2nd, 2019
Plus/Delta**

<p style="text-align: center;">+</p> <p style="text-align: center;">What Did You Like About the Meeting?</p>	<p style="text-align: center;">Δ</p> <p style="text-align: center;">What Would You Change?</p>
<ul style="list-style-type: none">• It was more of a conversation than the regular meetings. Good open discussion• Members did a good job with “laser messaging”• Seeing the goals and objectives all on one page was a good reminder of the scope of the work and issues DPU deals with• Focusing on and doing the walk through of the QNM Zia application• Nominal voting technique prioritization exercise using the strategic objectives poster.	<ul style="list-style-type: none">• Make it shorter• BPU give staff better scope for some of the items when setting the agenda (e.g., didn’t really understand what the Community Input and Process item was about)



County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.: 8.A
Index (Council Goals): * 2019 Council Goal - Investing in Infrastructure
Presenters: Steve Cummins, Deputy Utilities Manager - Power Supply
Legislative File: RE0425-19

Title

Incorporated County of Los Alamos Resolution No. 19-25; A Resolution Authorizing the Los Alamos County Utilities Manager to Submit an Application to the New Mexico Environment Department for Funding for Light Duty Electric Vehicle Supply Equipment Projects

Recommended Action

I move that the Board of Public Utilities approve Resolution No. 19-25, a resolution authorizing the Los Alamos County Utilities Manager to submit an application to the New Mexico Environment Department for funding for Light Duty Electric Vehicle Supply Equipment projects, and forward to Council for approval.

Staff Recommendation

Staff recommends approval of the resolution as presented.

Body

The Los Alamos County Department of Public Utilities (DPU) plans to install electric vehicle charging stations at four sites in the County. These charging stations will support the replacement of petroleum-fueled motor vehicles with all-electric vehicles. DPU intends to submit applications to the New Mexico Environmental Department for grant funding of these charging stations. Grant applications are due November 15, 2019.

Based on the grant selection results, staff will return to the Board of Public Utilities with a recommended project scope, budget and an anticipated schedule for construction in the 2nd and 3rd quarter of 2020.

The four sites are:

1. Mesa Library west parking lot (one 2-port level 2 charger)
2. Golf Course (two 2-port level 2 chargers)
3. Municipal Building (one 1-port DC fast charger)
4. White Rock Visitor Center (two 2-port level 2 chargers, one 1-port DC fast charger)

The four sites were selected based on criteria required by the grant application, including but not limited to the following:

1. County-owned property
2. Suitability for residents and visitors
3. Distribution across the County
4. Construction cost

-
5. Proximity to restaurants and entertainment venues
 6. Americans with Disabilities Act accessibility

The charging stations will be operated for at least 10 years. They will offer configurable pricing and communications over cellular networks for handling payments, status, and metrics. DPU will use analyze the metrics to identify opportunities for future electric vehicle charging needs in the County.

Alternatives

The Department of Public Utilities plans to continue the charging station installation project with or without a grant award. The number and type of charging stations will be adjusted to fit the budgeted funding.

Fiscal and Staff Impact

DPU has budgeted \$150,000 for these charging station projects and intends to apply this funding as grant matching funds. Implementation of the project will be handled as normal staff work.

Attachments

A - Resolution 19-25

B - Presentation - Proposal for EV Charging Station Installation

INCORPORATED COUNTY OF LOS ALAMOS RESOLUTION NO. 19-25

**A RESOLUTION AUTHORIZING THE LOS ALAMOS COUNTY UTILITIES
MANAGER TO SUBMIT AN APPLICATION TO THE NEW MEXICO
ENVIRONMENT DEPARTMENT FOR FUNDING FOR LIGHT DUTY ELECTRIC
VEHICLE SUPPLY EQUIPMENT PROJECTS**

WHEREAS, the Incorporated County of Los Alamos (“County”) is an incorporated county of the State of New Mexico as provided in Section 5 of Article 10 of the New Mexico Constitution; and

WHEREAS, County, pursuant to Article 10, Section 5 of the State Constitution, is granted all powers of municipalities and is a home-rule jurisdiction; and

WHEREAS, the citizens of Los Alamos adopted a Charter which created as a standing department, the Department Public Utilities (“Department”); and

WHEREAS, the Board of Public Utilities, under the authority and approval of the County Council, has adopted ordinances and rules related to operations of the Department; and

WHEREAS, County, as local public body of the State of New Mexico, seeks to decrease its carbon footprint and has adopted a County-wide policy to be carbon neutral by 2040; and

WHEREAS, the Board of Public Utilities adopted, as part of a strategic policy, the following resource recommendation adapted from the 7 July 2015 “Future Electrical Energy Resources” report: “Support replacement of petroleum-fueled motor vehicles with all-electric vehicles. Consider locating more electric vehicle charging stations around the County or at LANL.”; and

WHEREAS, the Department intends to purchase, install and maintain electric vehicle charging stations to achieve the above strategic initiative; and

WHEREAS, on July 15, 2019, the New Mexico Environment Department (“NMED”) opened the Light Duty Electric Vehicle Supply Equipment (“LDEVSE”) Program (the “Program”) for grant and funding applications; and

WHEREAS, the Program provides funding for the reimbursement of eligible costs for the purchase, installation and maintenance of LDEVSE; and

WHEREAS, the Program is funded through the Volkswagen™ Environmental Mitigation Trust Agreement for State Beneficiaries (the “Trust”) and administered by Wilmington Trust, N.A.; and

WHEREAS, County intends to submit applications to the Program for funding the purchase, installation and maintenance of LDEVSE on four (4) County-owned properties (the “Project”).

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE
Incorporated County of Los Alamos:

Section 1. That the County Utilities Manager (“Utilities Manager”) and necessary employees are hereby directed and authorized to prepare and submit the necessary applications to NMED for its review of the Project for the purchase, installation and maintenance of LDEVSE in the County, and are further authorized to take such other action as may be requested by the NMED and the Trust in their consideration and review of the applications and to further proceed with arrangements for funding the Project.

Section 2. The County Council further provides authorization for the Utilities Manager to allocate funding for the parts of the Project that receive approvals by NMED and the Trust.

Section 3. All acts and resolutions in conflict with this Resolution are hereby rescinded, annulled and repealed.

Section 4. This Resolution shall take effect immediately upon its adoption.

PASSED AND ADOPTED this 29th day of October, 2019.

**COUNCIL OF THE INCORPORATED
COUNTY OF LOS ALAMOS**

**Sara C. Scott
Council Chair**

ATTEST:

**Naomi D. Maestas
Los Alamos County Clerk**

A Proposal for the Installation of Electric Vehicle Charging Stations in Los Alamos County

October 16, 2019

Los Alamos County
Board of Public Utilities



LOS ALAMOS

Project Overview

- Install electric vehicle charging stations at four sites
- Supports the replacement of petroleum-fueled vehicles
- VW settlement grant opportunity
- Project scope is contingent on grant award

Grant Application Site Criteria

- County-owned property
- Suitability for residents and visitors
- Distribution across the County
- Construction cost
- Proximity to restaurants and entertainment venues
- Americans with Disabilities Act accessibility

Grant Cost Terms

- Level 2 chargers on Govt. Owned sites: 100% of cost to install and maintain
- DC fast charger on Govt. Owned sites: 75% of cost to install and maintain
- Applicant matching funds will be evaluated; DPU will apply \$150,000 match

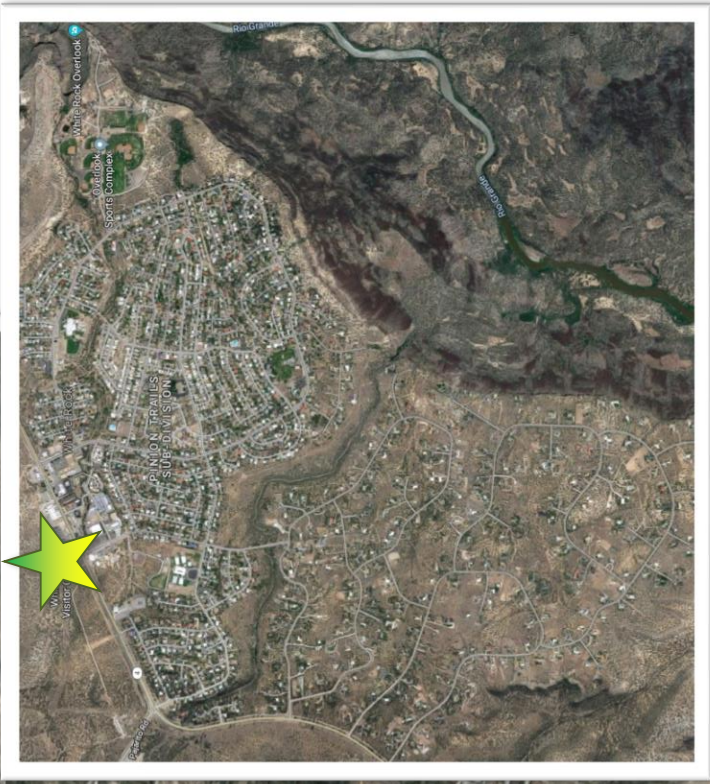
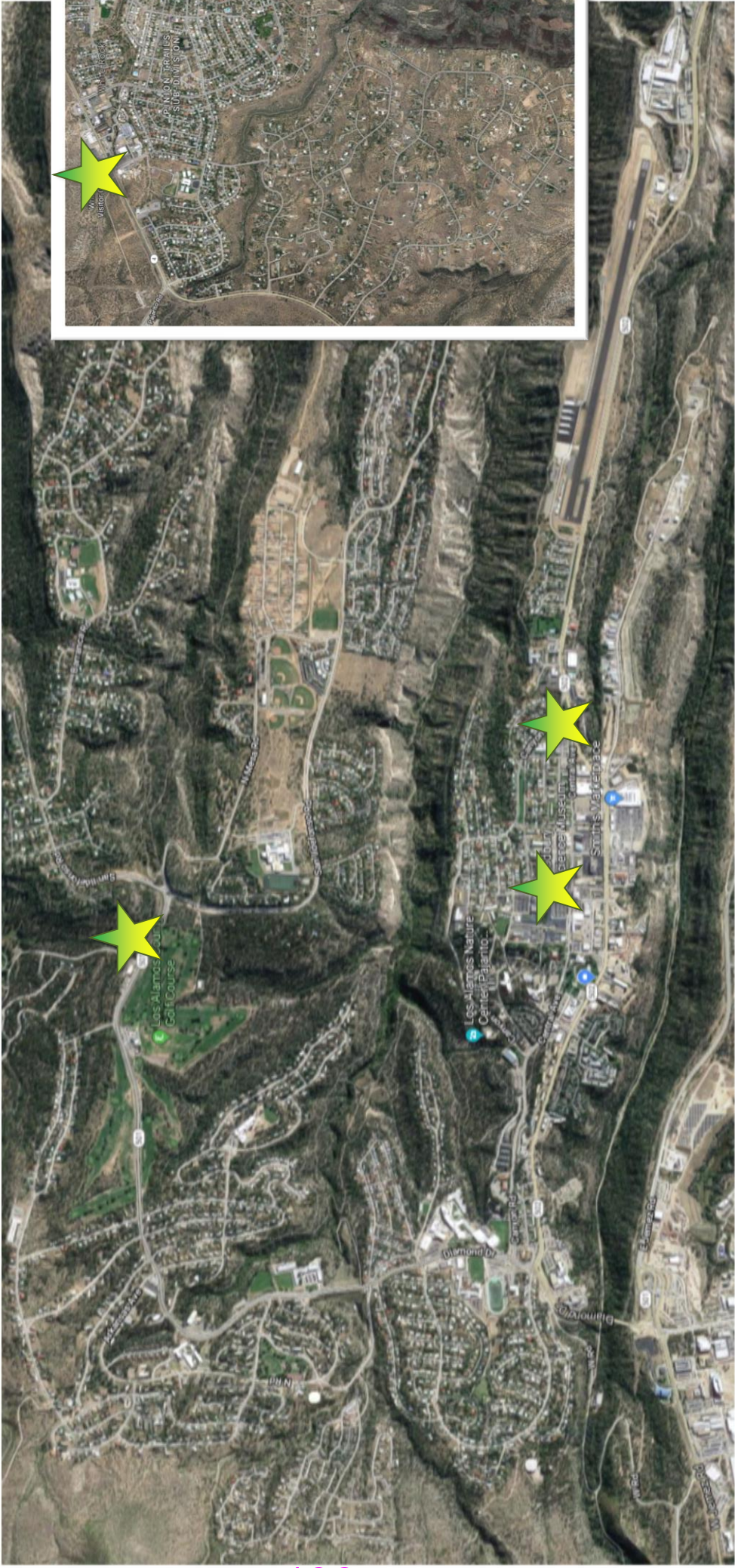
Grant Requirements

- Provide public access
- Maintain for 10 years
- Must buy charging stations
- Dedicated electric vehicle parking
- Monitor use and energy consumption and share with NMED

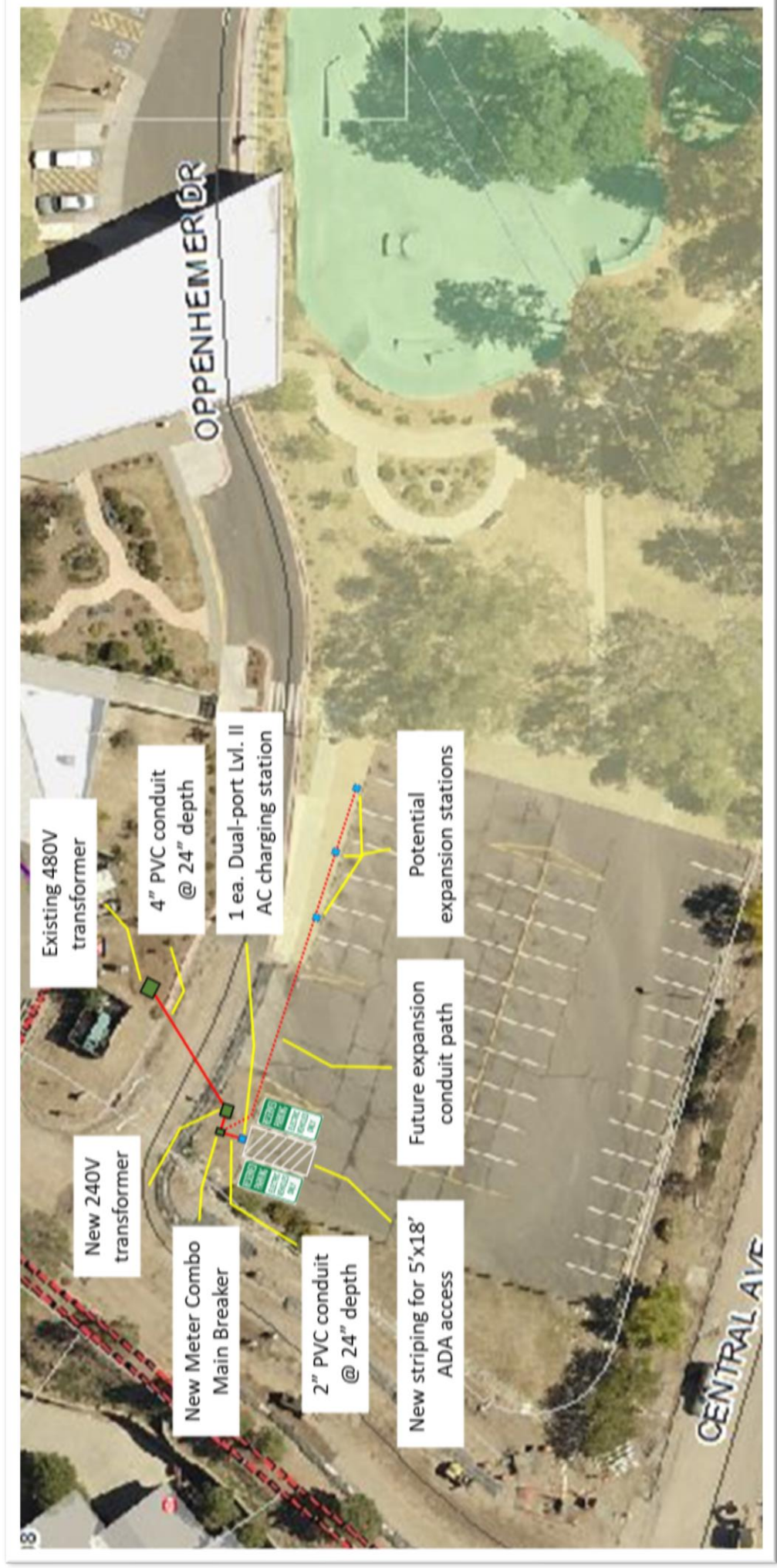
Proposed Sites

- Mesa Library west parking lot
- Golf course
- Municipal building
- White Rock Visitor Center

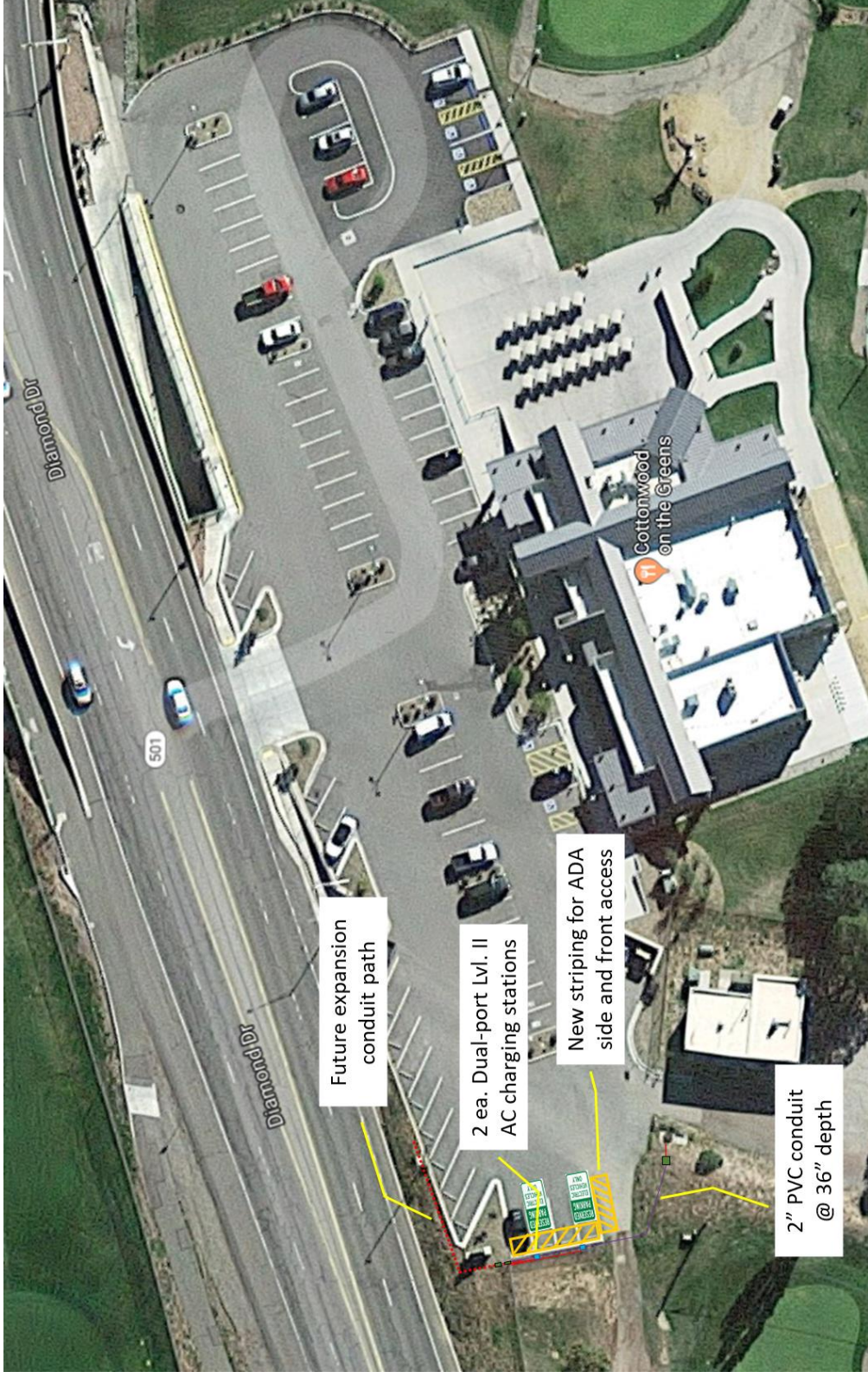
Site Map



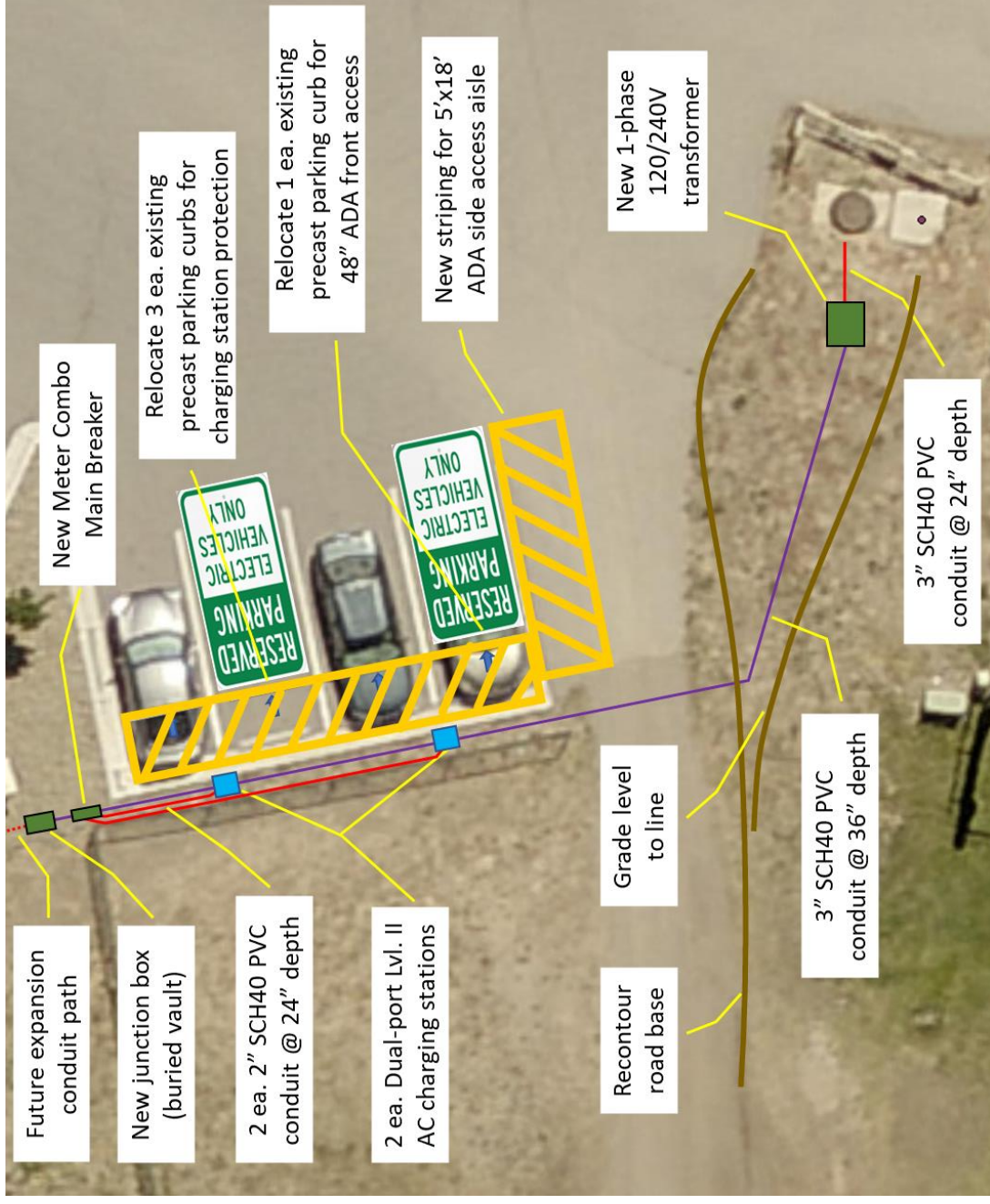
Mesa Library Site



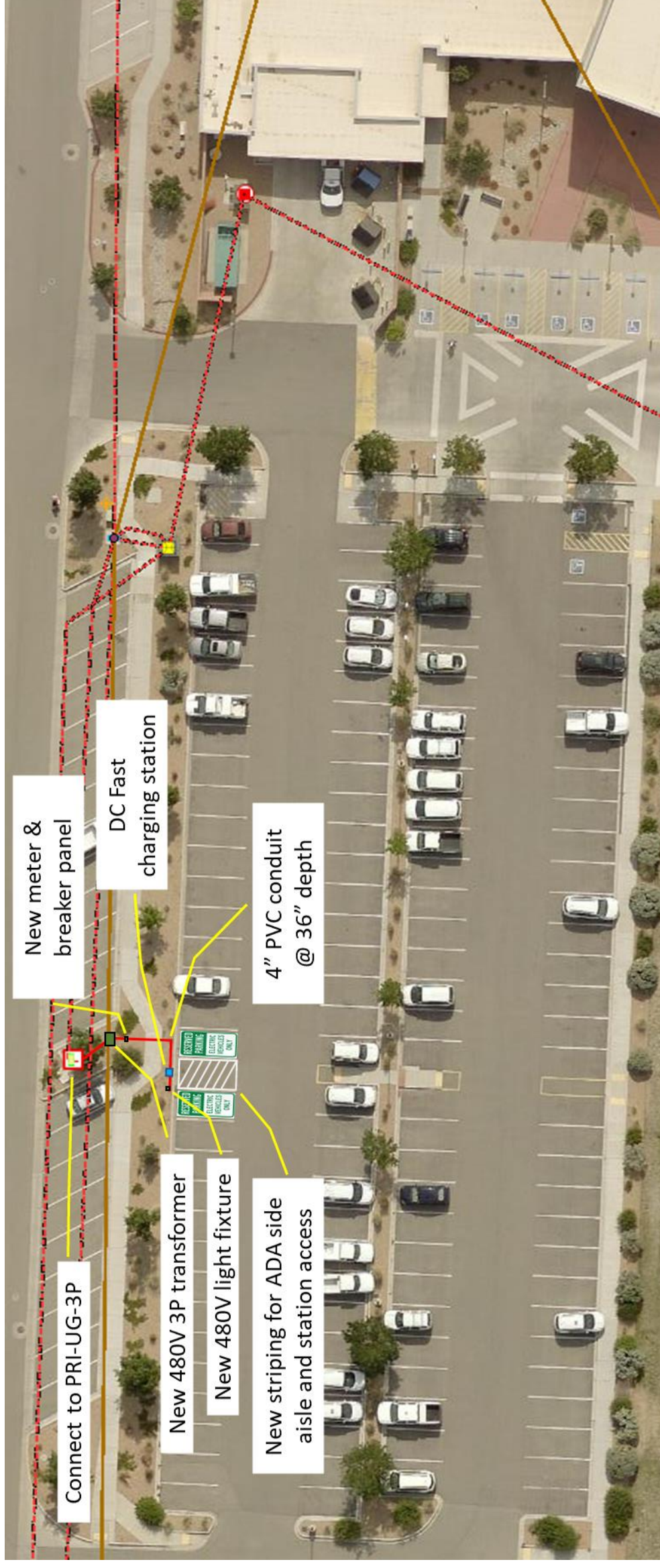
Golf Course Site



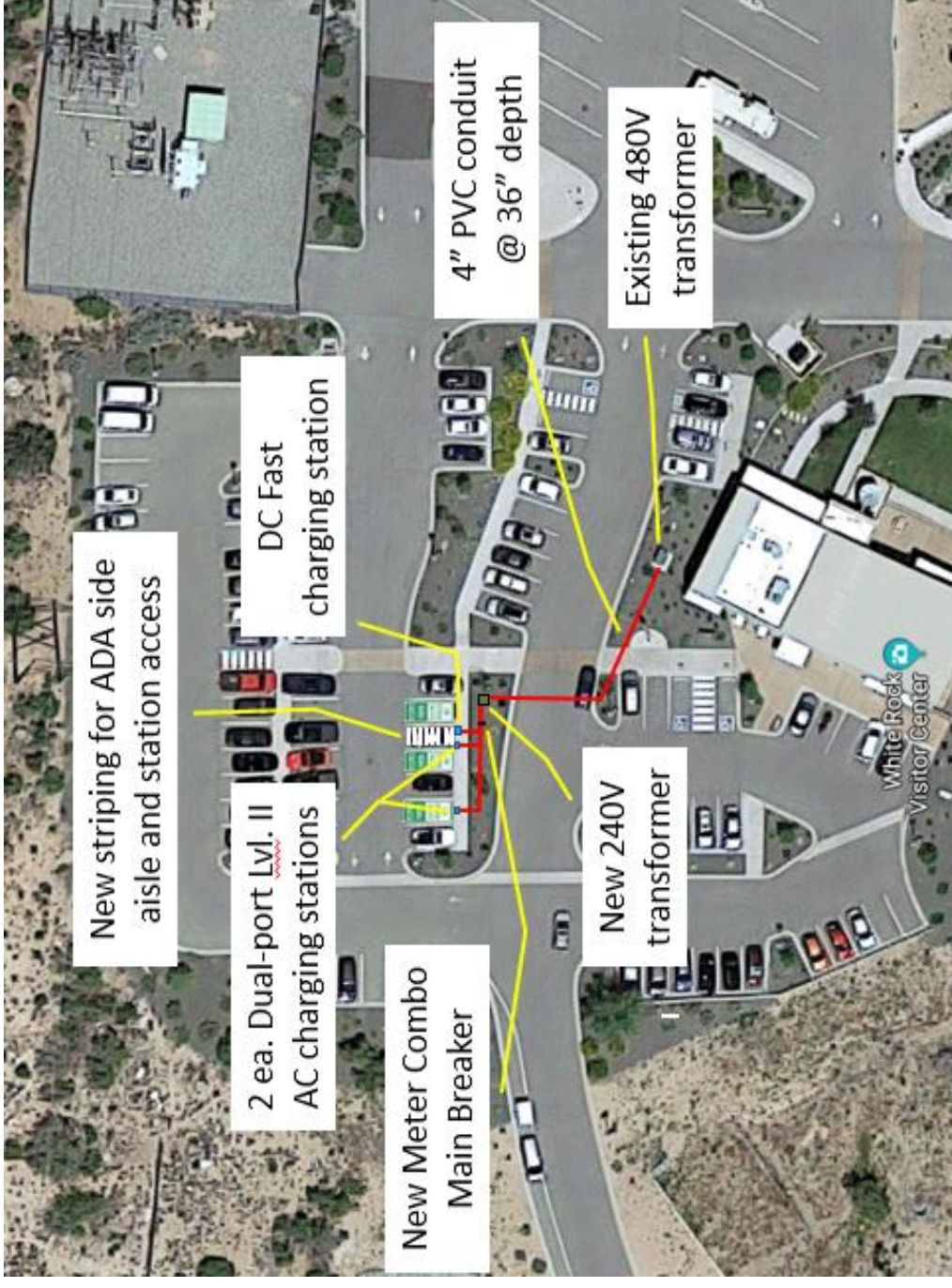
Golf Course Site



Municipal Building Site



White Rock Visitor Center Site



Features

- Dual-port level 2 chargers ~7kW
- DC fast chargers ~65kW
- Networked contactless payment
- Configurable pricing and metrics collection

Next Steps

- Preparing grant applications now
- The four sites are a start
- DPU will analyze charging station metrics to identify future opportunities for EV charging



County of Los Alamos

Staff Report

October 16, 2019

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.: 9.A
Index (Council Goals): * 2019 Council Goal - N/A
Presenters: Board of Public Utilities
Legislative File: 12405-19

Title

Status Reports

Body

Each month the Board receives in the agenda packet informational reports on various items. No presentation is given, but the Board may discuss any of the reports provided.

Attachments

- A - Electric Reliability Report
- B - Accounts Receivables Report
- C - Safety Report

STATUS REPORTS

ELECTRIC RELIABILITY

Los Alamos County Utilities



Electric Distribution Reliability

October 16, 2019

Stephen Marez
Electrical Engineering Manager

Electric Distribution Reliability Study
Twelve Month Outage History

Prepared by Stephen Marez
Senior Engineer L.A.C.U.

Date	Call Rcd.	Circuit	Cause	Start Time	End Time	Duration	Customers Affected (Meters)	Combined Customer Durations	Total Outage H:M:S	Running SAIDI
10/3/2018	Utilities	WR2	URD Failure	8:00	11:30	3:30	7	24:30:00	24:30:00	0:00:10
11/13/2018	Utilities	13	SAFETY	9:45	15:00	5:15	87	456:45:00	481:15:00	0:03:12
11/23/2018	Utilities	13	URD Failure	11:45	12:00	0:15	7	1:45:00	483:00:00	0:03:12
11/30/2018	Utilities	13	TREE	19:00	20:52	1:52	15	28:00:00	511:00:00	0:03:23
11/30/2018	Utilities	13	TREE	19:00	0:00	5:00	15	75:00:00	586:00:00	0:03:53
2/4/2019	Utilities	WR2	HUMAN	9:30	9:34	0:04	961	64:04:00	650:04:00	0:04:19
2/8/2019	Utilities	WR2	URD Failure	15:57	17:15	1:18	25	32:30:00	682:34:00	0:04:32
2/14/2019	Utilities	WR1	URD Failure	4:00	6:00	2:00	30	60:00:00	742:34:00	0:04:56
3/3/2019	Utilities	EA4	OH Failure	14:41	17:45	3:04	15	46:00:00	788:34:00	0:05:14
3/12/2019	Utilities	WR2	OH Failure	14:30	14:58	0:28	13	6:04:00	794:38:00	0:05:16
3/12/2019	Utilities	13	TREE	3:00	9:40	6:40	104	693:20:00	1487:58:00	0:09:52
3/12/2019	Utilities	13	TREE	3:00	0:00	21:00	12	252:00:00	1739:58:00	0:11:33
3/12/2019	Utilities	13	TREE	14:30	17:10	2:40	1541	4109:20:00	5849:18:00	0:38:48
3/12/2019	Utilities	13	TREE	14:30	17:30	3:00	114	342:00:00	6191:18:00	0:41:04
3/12/2019	Utilities	13	TREE	16:30	20:30	4:00	2	8:00:00	6199:18:00	0:41:07
3/12/2019	Utilities	15	TREE	15:00	17:10	2:10	10	21:40:00	6220:58:00	0:41:16
4/15/2019	Utilities	16	OH Failure	7:00	9:30	2:30	7	17:30:00	6238:28:00	0:41:23
5/22/2019	Utilities	14	URD Failure	15:00	18:15	3:15	5	16:15:00	6254:43:00	0:41:29
5/22/2019	Utilities	16	OH Failure	22:00	23:30	1:30	120	180:00:00	6434:43:00	0:42:41
5/27/2019	Utilities	WR1	URD Failure	17:00	23:30	6:30	10	65:00:00	6499:43:00	0:43:07
6/14/2019	Utilities	16	OH Failure	21:30	2:30	5:00	6	30:00:00	6529:43:00	0:43:19
8/15/2019	Utilities	18	URD Failure	11:35	12:00	0:25	189	78:45:00	6608:28:00	0:43:50
8/15/2019	Utilities	18	URD Failure	11:35	13:00	1:25	24	34:00:00	6642:28:00	0:44:04
8/16/2019	Utilities	16	Weather	16:45	19:00	2:15	40	90:00:00	6732:28:00	0:44:40
8/21/2019	Utilities	16	URD Failure	10:00	12:25	2:25	24	58:00:00	6790:28:00	0:45:03
8/21/2019	Utilities	16	URD Failure	10:00	15:00	5:00	14	70:00:00	6860:28:00	0:45:31
8/21/2019	Utilities	13	TREE	18:00	19:00	1:00	7	7:00:00	6867:28:00	0:45:33
8/30/2019	Utilities	13	URD Failure	3:15	9:30	6:15	36	225:00:00	7092:28:00	0:47:03
9/7/2019	Utilities	15	TREE	7:00	9:00	2:00	8	16:00:00	7108:28:00	0:47:09
9/9/2019	Utilities	WR1	HUMAN	17:30	19:38	2:08	200	426:40:00	7535:08:00	0:49:59
9/28/2019	Utilities	WR1	OH Failure	10:00	14:30	4:30	7	31:30:00	7566:38:00	0:50:12

CIRCUIT SAIDI IS CALCULATED ACCORDING TO THE NUMBER OF CUSTOMERS IN EACH CIRCUIT RESPECTIVELY											
Running SAIDI Circuit 13	Running SAIDI Circuit 14	Running SAIDI Circuit 15	Running SAIDI Circuit 16	Running SAIDI Circuit 17	Running SAIDI Circuit 18	SAIDI Circuit EA4 & Royal Crest	Running SAIDI Circuit WR1	Running SAIDI Circuit WR2	Monthly SAIDI	Monthly Customer Minutes out of service	WEATHER SAIDI!
								0:01:32	OCTOBER	0:00:10	
0:16:34											
				0:00:30							
0:17:34											
0:20:18									NOVEMBER	0:03:43	561:30:00
								0:05:32			
								0:03:34			
							0:02:16		FEBRUARY	0:01:02	259:34:00
						0:16:44					
								0:03:56			
0:25:08											
0:34:16											
3:03:15											
3:15:39											
3:15:56		0:00:42									
			0:00:34						MARCH	0:36:20	4481:00:00
	0:01:49								APRIL	0:00:07	4498:30:00
			0:06:26								
			0:07:25				0:04:44		MAY	0:01:44	300:25:00
					0:22:11				JUNE	0:00:12	308:45:00
					0:31:46						
			0:02:56								
			0:04:49								0:02:56
			0:07:06								
3:16:12											
3:24:21		0:00:31							AUGUST	0:03:44	562:45:00
							0:16:08				
							0:01:12		SEPTEMBER	0:03:09	474:10:00
Circ 13 1655	Circ 14 539	Circ 15 1875	Circ 16 1842	Circ 17 209	Circ 18 213	Circ EA4 165	Circ WR1 1586	Circ WR2 961	Total 9045	0:50:12	0:39:16

Twelve Month History	SEPT. 2019	
Total # Accounts	9045	
Total # Interruptions	31	
Sum Customer Interruption Durations	7566:38:00	hours:min:sec
# Customers Interrupted	3655	
SAIFI (APPA AVG. = 1.0)	.40	int./cust.
SAIDI (APPA AVG. = 1:00)	00:50	hours:min
CAIDI	2:04	hours:min/INT
ASAI	99.9996%	% available

- **SAIFI - System Average Interruption Frequency Index**

A measure of interruptions per customer (Per Year)

$$\text{SAIFI} = \frac{(\text{Total number of customer interruptions})}{(\text{Total number of customers served})}$$

- **SAIDI – System Average Interruption Duration Index**

A measure of outage time per customer if all customers were out at the same time (hours per year)

$$\text{SAIDI} = \frac{(\text{Sum of all customer outage durations})}{(\text{Total number of customers served})}$$

- **CAIDI – Customer Average Interruption Duration Index**

A measure of the average outage duration per customer (hours per interruption)

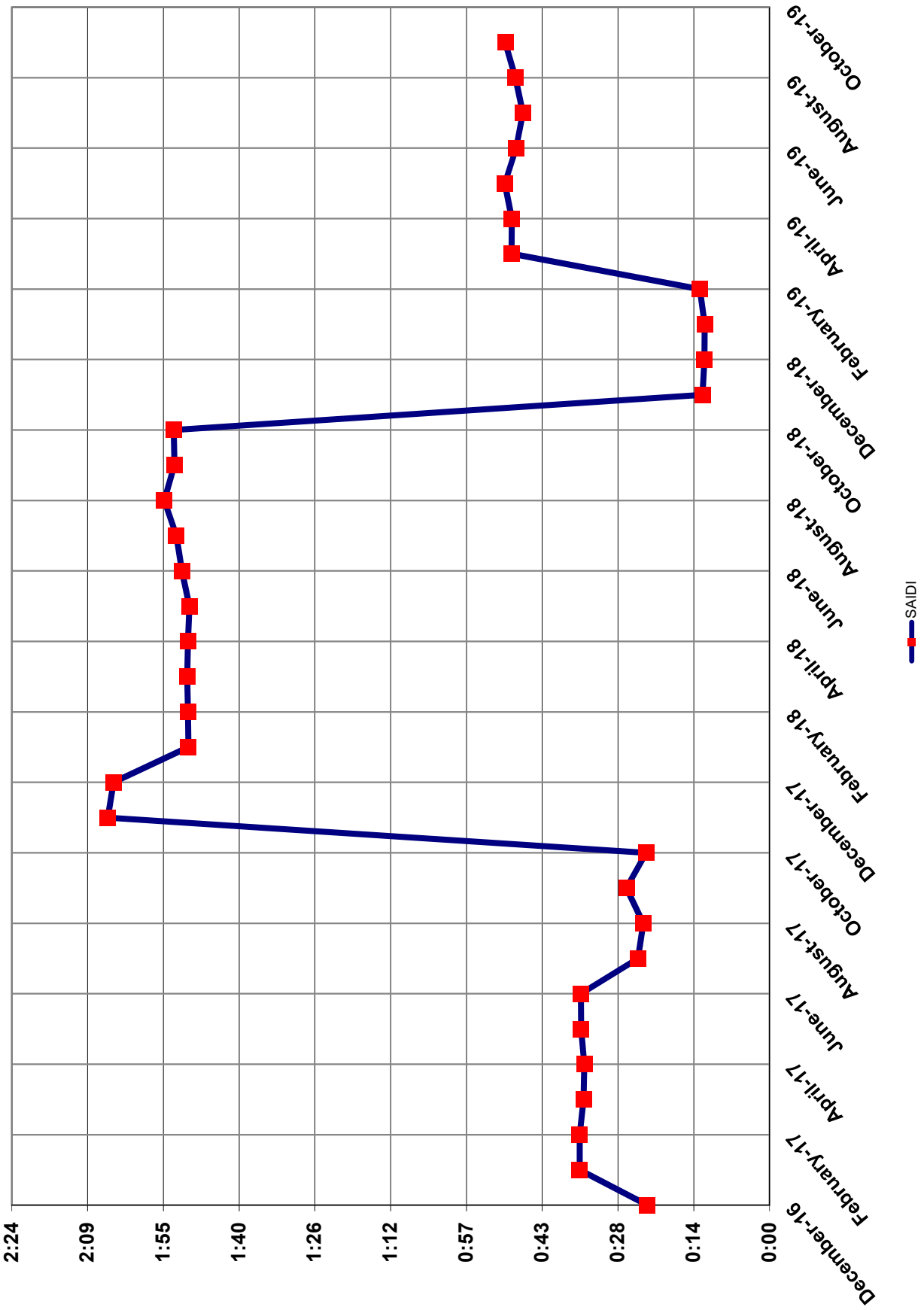
$$\text{CAIDI} = \frac{(\text{Sum of all customer outage durations})}{(\text{Total number of customer interruptions})} = \frac{\text{SAIDI}}{\text{SAIFI}}$$

- **ASAI – Average System Availability Index**

A measure of the average service availability (Per unit)

$$\text{ASAI} = \frac{(\text{Service hours available})}{(\text{Customer demand hours})} = \frac{8760 - \text{SAIDI}}{8760}$$

EACH POINT IS A 12 MONTH SAIDI HISTORY
1:00:00 = APPA BENCHMARK SAIDI



STATUS REPORTS

ACCOUNTS RECEIVABLES

Los Alamos County Utilities Department
Active Receivables Over 90 Days Past Due
October 1, 2019

Account	Customer ID	Acct Type	Comments	90 - 119	120 +
3004282	2099718	RS	Delinquent Notice mailed 9/26	\$ -	\$ 236.90
3003701	2011615	SC	Need to issue door tag	\$ -	\$ 295.23
3001815	2102798	RS	Need to issue door tag	\$ -	\$ 379.49
3008994	2133258	RS	Need to issue door tag	\$ -	\$ 423.00
3003698	2011615	SC	Need to issue door tag	\$ -	\$ 1,059.22
3003703	2011615	SC	Need to issue door tag	\$ -	\$ 2,009.19
3003704	2011615	SC	email to customer on 10/2	\$ -	\$ 2,769.96
3004458	2063338	RS	Need to issue door tag	\$ 13.37	\$ 161.26
3010128	2114898	RS	Paid \$160 on 10/2	\$ 13.75	\$ 103.18
3000118	2128758	RS	email to customer on 10/2	\$ 23.38	\$ 906.43
3002277	2137728	RS	Paid \$270.78 on 10/4	\$ 33.15	\$ 85.10
3008792	2121088	RS	Broken payment arrangement - shut off 10/9	\$ 43.78	\$ 206.91
3000222	2129908	RS	issue door tag	\$ 52.47	\$ 2,638.11
3002775	2097048	RS	Paid \$280 on 10/7/19	\$ 89.44	\$ 78.87
3000096	2000380	RS	email to customer on 10/2	\$ 95.25	\$ 1,982.58
3005020	2103058	RS	Delinquent Notice mailed 9/26	\$ 111.70	\$ -
3009964	2038698	RS	Paid \$200 on 9/26	\$ 112.50	\$ -
3006151	2019497	RS	Lien on property, customer deceased	\$ 115.52	\$ 1,827.05
3004866	2134538	RS	Broken payment arrangement - shut off 10/9	\$ 116.80	\$ -
3002813	2114338	RS	Paid \$541 on 10/4	\$ 122.83	\$ 103.79
3005323	2055738	RS	Delinquent Notice mailed 9/26	\$ 123.79	\$ 70.94
3007023	2021641	CM	Property for sale, lein updated	\$ 129.87	\$ 469.58
3006003	2115468	RS	Paid \$401.53 on 10/3	\$ 130.46	\$ -
3004292	2013614	RS	Paid \$400 on 9/27	\$ 139.35	\$ -
3002477	2009142	RS	Paid \$565.30 on 10/3	\$ 156.89	\$ 408.41
3006224	2056848	RS	Delinquent Notice mailed 9/26	\$ 161.61	\$ -
3005247	2120668	RS	Delinquent Notice mailed 9/26	\$ 164.44	\$ 74.40
3004213	2103178	RS	Paid \$767.86 on 10/3	\$ 164.87	\$ 202.99
3007139	2021873	RS	Broken payment arrangement - shut off 10/9	\$ 165.18	\$ -
3008793	2214956	RS	Door Tag issued 9/26/19	\$ 167.22	\$ -
3004025	2094558	RS	Paid \$400 on 9/27	\$ 167.99	\$ 418.64
3000765	2002538	CM	Customer disputing past due balance	\$ 168.36	\$ -
3008846	2025446	RS	Paid \$1,032.26 on 10/3	\$ 169.88	\$ 394.85
3003818	2066808	RS	Paid \$600 on 10/7	\$ 171.39	\$ 266.92
3009203	2118628	RS	Broken payment arrangement - shut off 10/9	\$ 171.90	\$ -
3006676	2070838	RS	Paid \$200 on 10/8	\$ 174.92	\$ -
3002354	2091608	RS	Need to issue door tag	\$ 185.08	\$ 233.85
3005198	2122088	RS	Delinquent Notice mailed 9/26	\$ 186.47	\$ -
3009174	2090328	RS	Broken payment arrangement - shut off 10/9	\$ 186.95	\$ 419.36
3005207	2119158	RS	Delinquent Notice mailed 9/26	\$ 187.32	\$ 700.00
3002482	2068968	RS	Paid \$1,910.87 on 10/7	\$ 188.53	\$ 678.83
3003059	2040938	RS	Paid \$225 on 10/4	\$ 190.01	\$ (5.18)
3003969	2012357	RS	Paid \$150 on 10/2	\$ 198.20	\$ 883.93
3006123	2019390	RS	Delinquent Notice mailed 9/26	\$ 203.34	\$ 516.66
3001411	2126808	RS	Paid \$400 on 10/3	\$ 208.14	\$ 660.74
3003508	2124208	RS	Paid \$236.10 on 10/2	\$ 216.45	\$ 5.27
3005246	2000373	RS	Self help mailing check on 9/27 \$300 to avoid disconnection	\$ 223.28	\$ 46.30
3004207	2012492	RS	Paid \$300 on 10/3	\$ 224.40	\$ 468.82
3002379	2115288	RS	Paid \$150 on 10/7	\$ 224.53	\$ 20.33
3003865	2011906	RS	Paid \$1,117.02	\$ 225.11	\$ -
3004222	2124748	RS	Payment arrangement on file	\$ 226.45	\$ 82.76
3005273	2119448	RS	Payment arrangement on file	\$ 228.98	\$ 401.42
3002334	2126448	RS	Payment arrangement on file	\$ 252.72	\$ -
3003613	2121398	RS	Paid \$689.98 on 10/7	\$ 253.42	\$ 370.44
3002360	2214931	RS	Paid \$873.33 on 10/3	\$ 352.51	\$ -
3004024	2004969	RS	Paid \$204.45 on 10/1 - Payment arrangement on file	\$ 360.33	\$ -

3003664	2098538	CM	email to customer on 10/2	\$ 419.43	\$ 271.76
3001539	2005415	CM	payment posted in error, acct has been corrected	\$ 893.58	\$ 1,233.37
3006953	2053328	CM	Property for sale, lein updated	\$ 1,428.13	\$ 13,782.79
3007881	2023503	CM	Delinquent Notice mailed 9/26	\$ 3,170.67	\$ -
3001768	2214979	CM	Need to issue door tag	\$ 5,005.86	\$ -

Los Alamos County Utilities Department
Receivables More than 60 Days Inactive
October 1, 2019

<i>YEAR</i>	<i>OUTSTANDING 10/1</i>	<i># OF ACCOUNTS</i>	<i>OUTSTANDING 9/1</i>	<i># OF ACCOUNTS</i>
FY15	24,491.36	87	21,443.26	80
FY16	17,841.12	77	18,111.27	72
FY17	29,021.93	73	26,448.39	68
FY18	56,547.13	329	56,752.56	328
FY19	43,283.14	280	35,440.12	274
TOTAL	\$ 171,184.68	846	\$ 158,195.60	822

STATUS REPORTS

SAFETY

DEPARTMENT OF PUBLIC UTILITIES CLAIMS

SEPTEMBER 2019

(Information provided by the County Risk Department)

TORT CLAIMS

None

WORKERS COMPENSATION

None

COUNTY PROPERTY DAMAGE

None

OSHA INCIDENT REPORT

This report for September was not available from the Risk Department at the time of agenda publication. The report for August is attached.

	Hours Worked						Hours Worked					
	ADMIN	EL DIST	EL PROD	GWS	WA PROD	WWTP	ADMIN	EL DIST	EL PROD	GWS	WA PROD	WWTP
MONTH												
Jan - 2019	3589.0	1793.0	2317.0	4119.0	1678.0	1139.0						
Feb - 2019	3221.0	1358.0	3244.0	3319.0	1132.0	1244.0						
Mar - 2019	2563.0	1941.0	2332.0	3955.0	1641.0	1281.0						
Apr - 2019	3592.0	1760.0	1890.0	3196.0	1199.0	1040.0						
May - 2019	3512.0	1510.0	2149.0	4114.0	1731.0	1231.0						
June - 2019	3085.0	1629.0	1975.0	4115.0	1855.0	1318.0						
July - 2019	3622.0	1587.0	1587.0	3768.0	1591.0	1186.0						
Aug - 2019	5315.0	2559.0	2566.0	6245.0	2029.0	1978.0						
Sept - 2018	3150.0	1168.0	1421.0	3242.0	1198.0	1059.0						
Oct - 2018	2499.0	1194.0	1270.0	3847.0	1181.0	1009.0						
Nov - 2018	3476.0	1416.0	1506.0	3398.0	1182.0	1201.0						
Dec - 2018	3204.0	1251.0	1372.0	3047.0	2427.0	946.0						
Total Hrs Worked ->	40828.0	19166.0	23629.0	46365.0	18844.0	14632.0						
Number of Recordable Injury and Illness Cases	1	1	0	1	0	1						
OSHA Recordable Injury & Illness Incidence Rate	4.90	10.44	0.00	4.31	0.00	13.67						
Number of OSHA Days Away Days Restricted (DART) cases	0	0	0	3	0	0						