County of Los Alamos

Munidipal Building
1000 Central Avenue
Los Alamos, NM 87544

Agenda - Final

Board of Public Utilities

Cornell Wright, Chair; Steve Tobin, Vice-chair;
Stephen McLin, Eric Stromberg, and Carrie Walker, Members
Philo Shelton, Ex Officio Member
Steven Lynne, Ex Officio Member
Denise Derkacs, Council Liaison

Wednesday, May 18, 2022 | **5:30 PM** | **Boards & Commissions - Rm 110 ~and~ https://us06web.zoom.us/j/89776087849**

REGULAR MEETING
Hybrid Format

PLEASE NOTE: The location for this meeting has changed to Room 110 for Board Members & Staff.

Members of the public wishing to attend may participate and provide public comment via Zoom:

Public Link: https://us06web.zoom.us/j/89776087849 Webinar ID: 897 7608 7849

One tap mobile: US: +16699006833,,89776087849# or +12532158782,,89776087849#

Telephone: US: +1 669 900 6833 or +1 253 215 8782 or +1 346 248 7799 or +1 408 638 0968 or +1 646 876 9923 or +1 301 715 8592 or +1 312 626 6799

PUBLIC COMMENT:
Please submit written comments to 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, only the speaker's name will be noted in the minutes.

1. CALL TO ORDER

1.A. Closed Session - 5:30 to 6:30 pm

15784-22 Page 5

Utilities Manager Performance Review
Pursuant to § 10-15-1 (H)(2) of the New Mexico Open Meetings Act, NMSA 1978, the Board of Public Utilities will meet in closed session to discuss information pertaining to limited personnel matters.

Presenters: Board of Public Utilities

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. BOARD BUSINESS

4.A. Chair's Report

4.B. Board Member Reports

4.C. Utilities Manager's Report

4.D. County Manager's Report

4.E. Council Liaison's Report

4.F. Environmental Sustainability Board Liaison's Report

4.G. General Board Business

4.H. Approval of Board Expenses

4.I. Preview of Upcoming Agenda Items

15792-22 Tickler File for the Next Three Months

Pages 6 - 10

Presenters: Board of Public Utilities

5. PUBLIC HEARING(S)

5.A. CO0638-22-a

Pages 11 - 26

Introduction of Incorporated County of Los Alamos Code Ordinance No. 02-328; An Ordinance Amending Chapter 40, Article III, Sections 40-151, 40-152, 40-171, 40-173 and 40-175 of the Code of the Incorporated County of Los Alamos Pertaining to Gas Service Rates and Potable and Non-Potable Water Rates and Bulk Delivery Rates

Presenters: Philo Shelton, Utilities Manager and Heather Garcia, Deputy Utilities Manager - Finance

6. 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.

15785-22 Pages 27 - 41
Approval of Board of Public Utilities Meeting Minutes

Presenters: Board of Public Utilities

14161-22a Pages 42 - 54
Award of Bid No. IFB 22-62 for the Purpose of the Los Alamos & White Rock Gas Border Station Metering, Overpressure Protection, SCADA Project.

Presenters: James Alarid, Deputy Utilities Manager - Engineering

15586-22a Pages 55 - 65
Award of Bid No. IFB 22-56 for the Purpose of the Los Alamos Wastewater Treatment Plant Tertiary Treatment Building Project.

Presenters: James Alarid, Deputy Utilities Manager - Engineering

15588-22a Pages 66 - 68
Award of theUtility Portion of Bid No. IFB22-59 for the Purpose of the Canyon Road Roadway and Utility Upgrades Project

Presenters: James Alarid, Deputy Utilities Manager - Engineering

7. BUSINESS

15930-22 Pages 69 - 70
Discussion and Approval of Inflation and COVID Pay

Presenters: Philo Shelton, Utilities Manager

8. STATUS REPORTS

15789-22 Status Reports
Pages 71 - 85

Presenters: Philo Shelton, Utilities Manager

9. PUBLIC COMMENT

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

10. 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 meeting, please contact Human Resources at 505-662-8040 as soon as possible.

Public documents, including the agenda and minutes can be provided in various accessible formats. Please contact the Department of Public Utilities at 505-662-8132 if an accessible format is needed. Complete BPU agenda packets, past agendas, videos, legislation and minutes are available online at https://losalamos.legistar.com.

Learn more about the Board of Public Utilities at https://ladpu.com/BPU.

County of Los Alamos

Staff Report

May 18, 2022

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: Board of Public Utilities

Legislative File: **15784-22**

Title

Utilities Manager Performance Review

Pursuant to § 10-15-1 (H)(2) of the New Mexico Open Meetings Act, NMSA 1978, the Board of Public Utilities will meet in closed session to discuss information pertaining to limited personnel matters.

Recommended Action

I move that the Board of Public Utilities convene in closed session as authorized by the limited personnel matters exception to discuss the Utilities Manager performance review and planning.

Pursuant to § 10-15-1 (I)(1) of the New Mexico Open Meetings Act, NMSA 1978
If any meeting is closed pursuant to the exclusions contained in Subsection H of this section, the closure:
(1) If made in an open meeting, shall be approved by a majority vote of a quorum of the policymaking body; the authority for the closure and the subject to be discussed shall be stated with reasonable specificity in the motion calling for the vote on a closed meeting; the vote shall be taken in an open meeting; and the vote of each individual member shall be recorded in the minutes. Only those subjects announced or voted upon prior to closure by the policymaking body may be discussed in a closed meeting.

County of Los Alamos

Staff Report

May 18, 2022

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: Board of Public Utilities

Legislative File: **15792-22**

Title

Tickler File for the Next Three Months

Attachments

A - BPU Tickler_ Jun-Aug 2022

County of Los Alamos

Los Alamos, NM 87544
www.losalamosnm.us

BPU Tickler

June - August 2022

File Number	Title	
Agenda Date: 06/01/2022		
15797-22	**Status Report**	**08 Status Reports**
	Quarterly Conservation Program Update	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Catherine D'Anna
15218-22	**Discussion**	**4. Board Business**
	Open Meetings Act Review	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Philo Shelton and County Attorney
15618-22	**Presentation**	**Presentation**
	Energy Vault - Presentation by Eric Stromberg	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Philo Shelton
15356-22	**Status Report**	**Presentations**
	Department of Public Utilities Quarterly Report - FY22/Q3	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Philo Shelton and Catherine D'Anna
15879-22a	**Briefing/Report (Dept, BCC) - No action requested**	**Presentations**
	IRP Implementation Plan	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Steve Cummins and Jordan Garcia
Agenda Date: 06/15/2022		
15795-22a	**Budget Item**	**06 Consent**
	Approval of DOE/LAC Resource Pool Budget for Fiscal Years 2022 & 2023	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Heather Garcia, Deputy Utilities Manager - Finance
15786-22	**Minutes**	**06 Consent**
	Approval of Board of Public Utilities Meeting Minutes	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Board of Public Utilities

File Number	Title	
AGR0821-22a	**General Services Agreement**	**07 Business**

Approval of Services Agreement No. AGR__-____ with [vendor] in the amount of $[amount], plus Applicable Gross Receipts Tax, for the Purpose of Water Systems SCADA Transition Study

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Jack Richardson

15790-22 **Status Report** **08 Status Reports**

Status Reports

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Philo Shelton

15796-22 **Status Report** **08 Status Reports**

Summer Peak Power Demand: Briefing of Planned Activities

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Steve Cummins

15793-22 **Calendar** **4.I. Preview**

Tickler File for the Next 3 Months

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Board of Public Utilities

CO0638-22-b **Code Ordinance** **Public Hearing**

Incorporated County of Los Alamos Code Ordinance No. __-3___; 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 ____ Service Rate Schedule and Determination of Charges

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Philo Shelton and Heather Garcia

Agenda Date: 07/06/2022

15878-22 **Briefing/Report (Dept,BCC) - Action Requested** **Business**

Review of the Department of Public Utilities Rules & Regulations

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Kevin Powers

15877-22 **Briefing/Report (Dept,BCC) - Action Requested** **General Board Business**

Review of the Board of Public Utilities Procedural Rules

Department Name: DPU **Length of Presentation:**

DPU

Drop Dead Date: **Sponsors:** Kevin Powers

15801-22 **Briefing/Report (Dept, BCC) - No action requested** **Presentation or Status Report**

Quarterly Update on Utility System - Electric Distribution

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Stephen Marez

File Number	Title

Agenda Date: 07/20/2022

AGR0823-22a **General Services Agreement** **06 Consent**

Approval of Services Agreement No. AGR__-____ with [vendor] in the amount of $[amount], plus Applicable Gross Receipts Tax, for the Purpose of Water Systems Mainline Isolation Valve Locate & Mark Services

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Jack Richardson

15787-22 **Minutes** **06 Consent**

Approval of Board of Public Utilities Meeting Minutes

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Board of Public Utilities

AGR0824-22a **General Services Agreement** **06 CONSENT**

Approval of Services Agreement No. AGR__-____ with [vendor] in the amount of $[amount], plus Applicable Gross Receipts Tax, for the Purpose of Gas System Mainline Isolation Valve Locate & Mark Services

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Jack Richardson, Deputy Utilities Manager - GWS Services

15791-22 **Status Report** **08 Status Reports**

Status Reports

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Philo Shelton

15799-22 **Briefing/Report (Dept,BCC) - Action Requested** **4.G. General Board Business**

Approval of the Board of Public Utilities Procedural Rules

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Cornell Wright

15800-22 **Briefing/Report (Dept, BCC) - No action requested** **4.G. General Board Business**

Planning for Upcoming Board of Public Utilities Annual Boards & Commissions Presentation to Council on September __, 2022.

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Cornell Wright

15935-22 **Briefing/Report (Dept,BCC) - Action Requested** **4.G. General Board Business**

Review of the Department of Public Utilities Rules & Regulations

Department Name: DPU **Length of Presentation:**

Drop Dead Date: **Sponsors:** Kevin Powers

15794-22 **Calendar** **4.I. Preview**

Tickler File for the Next 3 Months

Department Name: DPU **Length of Presentation:**

File Number	Title	
	Drop Dead Date:	**Sponsors:** Board of Public Utilities

Agenda Date: 08/03/2022

15882-22	**Closed Session**	**CLOSED SESSION**
	CLOSED SESSION - Pursuant to § 10-15-1 (H)(2) of the New Mexico Open Meetings Act, NMSA 1978, the Board of Public Utilities will meet in closed session to discuss information pertaining to limited personnel matters - Utilities Manager performance planning.	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Board of Public Utilities
15887-22	**Briefing/Report (Dept, BCC) - No action requested**	**PRESENTATION**
	Quarterly Update on Utility System: Electric Production - Hydroelectric Facilities (Last done 8/18/21)	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Steve Cummins
15888-22	**Briefing/Report (Dept, BCC) - No action requested**	**PRESENTATION**
	Quarterly Update on Utility System: Electric Production - Operations (Last done 8/18/21)	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Steve Cummins
15883-22	**Briefing/Report (Dept, BCC) - No action requested**	**PRESENTATION**
	Preview - Board of Public Utilities Annual Presentation to County Council	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Cornell Wright

Agenda Date: 08/17/2022

15788-22	**Minutes**	**06 Consent**
	Approval of Board of Public Utilities Meeting Minutes	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Board of Public Utilities
15884-22	**Budget Item**	**Consent**
	Approval of Budget Carryovers from FY2022 to FY2023	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Heather Garcia
15881-22	**Calendar**	**General Board Business**
	Tickler File for the Next 3 Months	
	Department Name: DPU	**Length of Presentation:**
	Drop Dead Date:	**Sponsors:** Board of Public Utilities

County of Los Alamos

Staff Report

May 18, 2022

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:	5.A.
Index (Council Goals):	* 2022 Council Goal - Investing in Infrastructure; DPU FY2022 - 1.0 Provide Safe and Reliable Utility Services; DPU FY2022 - 2.0 Achieve and Maintain Excellence in Financial Performance
Presenters:	Philo Shelton, Utilities Manager and Heather Garcia, Deputy Utilities Manager - Finance
Legislative File:	**CO0638-22-a**

Title

Introduction of Incorporated County of Los Alamos Code Ordinance No. 02-328; An Ordinance Amending Chapter 40, Article III, Sections 40-151, 40-152, 40-171, 40-173 and 40-175 of the Code of the Incorporated County of Los Alamos Pertaining to Gas Service Rates and Potable and Non-Potable Water Rates and Bulk Delivery Rates

Recommended Action

I introduce, without prejudice, Incorporated County of Los Alamos Code Ordinance No. 02-328; An Ordinance Amending Chapter 40, Article III, Sections 40-151, 40-152, 40-171, 40-173 and 40-175 of the Code of the Incorporated County of Los Alamos Pertaining to Gas Service Rates, Potable and Non-Potable Water Rates, and Bulk Delivery Rates.

Utilities Manager Recommendation

The Utilities Manager recommends that the Board of Public Utilities introduce this Ordinance.

Body

The ten-year forecast for the water utility presented with the FY2023 budget included a series of rate increases to generate revenues needed for current operations and to build cash reserves necessary for future infrastructure needs. Detailed in the Water fund 10-year forecasts were four consecutive years of increases of five percent for bulk, potable, and non-potable rates. Rate increases proposed in the Gas fund were three consecutive years of eight percent increases, followed by five percent in FY 2026. The Gas Rate Scheduled has been unaltered since 2016, in which the commodity rate was decreased from .29 cents per therm to .23 cents per therm. Prior to this change, in 2013, the commodity rate was decreased from .55 cents per therm. The gas rates for service charges have not been changed since 2009. And in 2018, several alternative long-term scenarios for water rates were prepared by staff and presented for Board consideration. After scenarios were selected which were intended to represent the most reasonable balance between increased rates and necessary system expenditures. This has been the foundation upon which the ten-year budgetary projections have been established. 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. It is the latest iterations of analysis, large increases to costs due to inflation and supply chain shortages have greatly impacted fund balances. In review of the short to mid-term rate trajectory proposed in the FY2023 budget, it is appropriate to consider a four-year rate adjustment at this time. Therefore, four years projected rate increases are included in the proposed ordinance.

The advantages to implementing the multi-year proposal are numerous. Importantly, it provides for the rate adjustments to be scheduled and effective with advanced notice to customers. 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. Without the multi-year approach, that is difficult to accomplish, and complicates fiscal planning needs from year to year. 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. This also allows for the advanced planning of rates in the billing system, helping staff ensure billing accuracy when the new rates become effective. 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 four-year period if operational experience necessitates such action. Should it become apparent that the rates proposed are either not achieving the revenue targets, 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 C 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 gas and water systems. 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 addition to the public notices required for consideration of an ordinance, staff will prepare “frequently asked questions” to be posted on the DPU website. As well as the materials included in this staff report. FAQs will be included in the board and council public hearing staff reports for this proposed rate ordinance and will be updated as information is requested from the department on these increases.

Alternatives

As noted above, rate increases are going to be needed to fund necessary operations and replacement of infrastructure through rates. Other scenarios could be considered with more significant rate increases being implemented to fund more rapid system upgrades. 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 $293,743 additional revenue in Water Distribution in FY23, $602,173 additional revenue in FY24, $926,024 additional revenue in FY25, and $1,266,068 additional revenue in FY26. In Water Production additional revenue for wholesale sales to external parties is projected at $241,500; $494,500; $759,000; and $1,035,000 for FYs 23, 24, 25, and 26 respectively, and approximately $11,077; $28,774; $44,554; $61,261 additional Non-Potable revenue. In Gas Distribution increases are expected to generate $229,280; $391,535; $568,830; and $662,083 for FYs 23, 24, 25, and 26 respectively.

Attachments

A - Code Ordinance 02-328 - Gas and Water Rates
B - Typical Residential Bills
C - Rate Comparisons to Neighboring Communities
D - Revenue, Expenses, and Cash Balances Graphs FY2023 through FY2032

INCORPORATED COUNTY OF LOS ALAMOS CODE ORDINANCE NO. 02-328

AN ORDINANCE AMENDING CHAPTER 40, ARTICLE III, SECTIONS 40-151, 40-152, 40-171, 40-173, and 40-175 OF THE CODE OF THE INCORPORATED COUNTY OF LOS ALAMOS PERTAINING TO GAS SERVICE RATE SCHEDULES AND WATER SERVICE RATE SCHEDULES

WHEREAS, the Incorporated County of Los Alamos ("County") is an incorporated county of the State of New Mexico as provided in Section 5, Article 10 of the New Mexico Constitution; and pursuant to Section 5, Article 10 of the State Constitution, is also granted all powers of a municipality; and

WHEREAS, pursuant to Article V of the County Charter, there is a Department of Public Utilities ("Department") charged with the duty to operate a County owned electric, gas, water and sewer systems; and

WHEREAS, Section 504 of the County Charter requires that the Department to be operated on a compensatory basis, with rates being just, reasonable, and comparable to those in neighboring communities; and

WHEREAS, the Department and Utility Manager have identified the need to increase natural gas and water rates to meet the projected revenue requirements of the Department; and

WHEREAS, pursuant to Section 203.1.d. any change in County utility rates must be done via to ordinance; and

WHEREAS, pursuant to Section 4.6.a. of the *Board of Public Utilities Procedural Rules* (ed 2/19/20), the Utilities Manager is responsible for preparing and presenting proposed utility rate ordinances to the Board of Public Utilities; and

WHEREAS, pursuant to Section 504 of the Charter, the rates to be paid for utility services shall then be proposed by the Board of Public Utilities to the County Council and shall become effective on the date of adoption by Council; and

WHEREAS, pursuant to Section 4.6.a. of the *Board of Public Utilities Procedural Rules*, the proposed rates must be presented at least one month prior to the Board of Public Utilities public hearing on a final proposed utility rate ordinance; and

WHEREAS, the Utilities the Utilities Manager shall introduce the draft ordinance to the board of Public Utilities and present the budget and operational reasons for the proposed rate ordinance; and

WHEREAS, the Utilities Manager presented to the proposed rate increases for natural gas and water to the Board of Public Utilities on _____; and

WHEREAS, the Utilities Manager, after receiving comments from the Board of Public Utilities, the presented the final rate ordinance on _____;

WHEREAS, the Board of Public Utilities [accepted and recommended/accepted and modified, etc.] the final rate ordinance and recommended forwarding it to Council for adoption; and

WHEREAS, on _____, 2022 the County Council, pursuant to Section 203.2.1 of the County Charter introduced the proposed rate ordinance; and

WHEREAS, on _____, 2022, the County Council, pursuant to Section 203.2.2 of the County Charter held a public hearing on the proposed rate ordinance.

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

Section 1. Section 40-151 of the Code of the Incorporated County of Los Alamos is amended to read, as follows:

Sec. 40-151. Gas rate schedules 7A and 7E.

(a) *Residential service schedule 7A.* The residential rate applies to customers in a single dwelling or in a single dwelling unit of a multiple dwelling or apartment for domestic purposes only.

(b) *General commercial and industrial service schedule 7E.* The commercial and industrial rate applies to customers for use in or in connection with any commercial, business or industrial activities, including multiple dwelling units where service for more than one unit is taken through a master meter, and to other customers not otherwise specifically falling within another class.

(c) *Service charge.*

(1) Per meter rated 250 CFH or less: $9.50 per month through September 30, 2022; $10.26 per month after September 30, 2022: $11.08 per month after September 30, 2023; $11.97 per month after September 30, 2024; $12.57 per month after September 30, 2025;

(2) Per meter rated more than 250 CFH: $28.50 per month through September 30, 2022; $30.78 after September 30, 2022; $33.24 per month after September 30, 2023; $35.90 per month after September 30, 2024; $37.70 per month after September 30, 2025.

(d) *Gas consumption charge.*

(1) The gas consumption charge for schedules 7A and 7E shall be made up of two components: fixed cost recovery and a variable cost of gas component. The fixed cost recovery shall be $0.23 per therm (one therm is equal to 100,000 British Thermal Units (BTU)) through September 30, 2022; $0.25 after September 30, 2022; $0.27 after September 30, 2023; $0.29 after September 30, 2024; $0.30 after September 30, 2025. The variable cost of gas rate shall be calculated each month based on the projected cost of gas for the billing month plus an adjustment for any prior over or under collection for gas purchases and/or gas transportation costs.

(2) The projected cost of gas shall be at the rate as stated on the San Juan Index or any recognized index that may replace the San Juan Index.

(3) Should the variable cost of gas exceed $0.99 per therm, the billed rate to consumers shall not reflect the cost of gas over that amount until the rate is approved by an ordinance of the council.

Section 2. Section 40-152 of the Code of the Incorporated County of Los Alamos is amended to read, as follows:

Sec. 40-152. Gas rate schedules 7L and 7N.

(a) *Applicability.*

(1) *Schedule 7L:* Interdepartmental service—Incorporated County of Los Alamos.

(2) *Schedule 7N:* Schools service—Los Alamos public schools.

(b) *Service charge.*

(1) Per meter rated 250 CFH or less: $9.50 per month through September 30, 2022; $10.26 per month after September 30, 2022: $11.08 per month after September 30, 2023; $11.97 per month after September 30, 2024; $12.57 per month after September 30, 2025;

(2) Per meter rated more than 250 CFH: $28.50 per month through September 30, 2022; $30.78 after September 30, 2022; $33.24 per month after September 30, 2023; $35.90 per month after September 30, 2024; $37.70 per month after September 30, 2025.

(c) *Gas consumption charge.*

(1) The gas consumption charge for schedules 7L and 7N shall be made up of two components: fixed cost recovery and a variable cost of gas component. The fixed cost recovery shall be $0.20 per therm (one therm is equal to 100,000 British Thermal Units (BTU)) through September 30, 2022; $0.22 after September 30, 2022; $0.24 after September 30, 2023; $0.26 after September 30, 2024; $0.27 after September 30, 2025. The variable cost of gas rate shall be calculated each month based on the projected cost of gas for the billing month plus an adjustment for any prior over or under collection for gas purchases and/or gas transportation costs.

(2) The projected cost of gas shall be at the rate as stated on the San Juan Index or any recognized index that may replace the San Juan Index.

(3) Should the variable cost of gas exceed $0.99 per therm the billed rate to consumers shall not reflect the cost of gas over that amount until the rate is approved by an ordinance of the council.

Section 3. Section 40-171 of the Code of the Incorporated County of Los Alamos 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.*

	Service Charge Per Meter Per Month	

Water Meter Size	Through 09/30/~~2020~~ 2022	From 10/01/~~2020~~ 2022 through 09/30/~~2021~~ 2023	From 10/01/2023 through ~~After~~ 09/30/~~2021~~ 2024	From 10/01/2024 through 09/30/2025	After 9/30/2025
1¼-inch and under	~~$10.51~~ $11.40	~~$10.96~~ $11.97	~~$11.40~~ $12.57	$13.20	$13.86
1½-inch	~~$33.30~~ $36.10	~~$34.71~~ $37.91	~~$36.10~~ $39.81	$41.80	$43.89
2-inch	~~$49.70~~ $53.88	~~$51.81~~ $56.57	~~$53.88~~ $59.40	$62.37	$65.49
2½-inch, 3-inch	~~$98.07~~ $106.33	~~$102.24~~ $111.65	~~$106.33~~ $117.23	$123.09	$129.24
4-inch	~~$167.00~~ $181.06	~~$174.10~~ $190.11	~~$181.06~~ $199.62	$209.60	$220.08
6-inch	~~$352.55~~ $382.23	~~$367.53~~ $401.34	~~$382.23~~ $421.41	$442.48	$464.60
8-inch	~~$582.50~~ $631.54	~~$607.25~~ $663.12	~~$631.54~~ $696.28	$731.09	$767.64

(c) *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 October 1 through April 30 (Non-Peak Season)			
	Commodity Rate per 1,000 Gallons			
	Monthly Consumption	9,000 gal or less	over 9,000 gal to 15,000 gal	over 15,000 gal
Single family residential	Through 09/30/~~2020~~ 2022	~~$5.55~~ $6.02	~~$5.55~~ $6.02	~~$5.55~~ $6.02
	10/01/~~2020~~ 2022 to 09/30/~~2021~~ 2023	~~$5.79~~ $6.32	~~$5.79~~ $6.32	~~$5.79~~ $6.32
	~~After~~ 10/01/2023 to 09/30/~~2021~~ 2024	~~$6.02~~ $6.64	~~$6.02~~ $6.64	~~$6.02~~ $6.64
	10/01/2024 to 09/30/2025	$6.97	$6.97	$6.97
	After 09/30/2025	$7.32	$7.32	$7.32
Multi-family residential	Through 09/30/~~2020~~ 2022	~~$5.55~~ $6.02	~~$5.55~~ $6.02	~~$5.55~~ $6.02
	10/01/~~2020~~ 2022 to 09/30/~~2021~~ 2023	~~$5.79~~ $6.32	~~$5.79~~ $6.32	~~$5.79~~ $6.32

	~~After~~ 10/01/2023 to 09/30/~~2021~~ 2024	~~$6.02~~ $6.64	~~$6.02~~ $6.64	~~$6.02~~ $6.64
	10/01/2024 to 09/30/2025	$6.97	$6.97	$6.97
	After 09/30/2025	$7.32	$7.32	$7.32
Commercial	Through 09/30/~~2020~~ 2022	~~$5.55~~ $6.02	~~$5.55~~ $6.02	~~$5.55~~ $6.02
	10/01/~~2020~~ 2022 to 09/30/~~2021~~ 2023	~~$5.79~~ $6.32	~~$5.79~~ $6.32	~~$5.79~~ $6.32
	~~After~~ 10/01/2023 to 09/30/~~2021~~ 2024	~~$6.02~~ $6.64	~~$6.02~~ $6.64	~~$6.02~~ $6.64
	10/01/2024 to 09/30/2025	$6.97	$6.97	$6.97
	After 09/30/2025	$7.32	$7.32	$7.32
County/schools	Through 09/30/~~2020~~ 2022	~~$5.55~~ $6.02	~~$5.55~~ $6.02	~~$5.55~~ $6.02
	10/01/~~2020~~ 2022 to 09/30/~~2021~~ 2023	~~$5.79~~ $6.32	~~$5.79~~ $6.32	~~$5.79~~ $6.32
	~~After~~ 10/01/2023 to 09/30/~~2021~~ 2024	~~$6.02~~ $6.64	~~$6.02~~ $6.64	~~$6.02~~ $6.64
	10/01/2024 to 09/30/2025	$6.97	$6.97	$6.97
	After 09/30/2025	$7.32	$7.32	$7.32

	Consumption May 1 through September 30 (Peak Season)			
	Commodity Rate per 1,000 Gallons			
	Monthly Consumption	9,000 gal or less	over 9,000 gal to 15,000 gal	over 15,000 gal
Single family residential	Through 09/30/~~2020~~ 2022	~~$5.55~~ $6.02	~~$5.90~~ $6.40	~~$7.06~~ $7.65
	10/01/~~2020~~ 2022 to 09/30/~~2021~~ 2023	~~$5.79~~ $6.32	~~$6.15~~ $6.72	~~$7.36~~ $8.03
	~~After~~ 10/01/2023 to 09/30/~~2021~~ 2024	~~$6.02~~ $6.64	~~$6.40~~ $7.06	~~$7.65~~ $8.43
	10/01/2024 to 09/30/2025	$6.97	$7.41	$8.85
	After 09/30/2025	$7.32	$7.78	$9.29
Multi-family residential	Through 09/30/~~2020~~ 2022	~~$5.55~~ $6.02	~~$5.84~~ $6.33	~~$5.96~~ $6.47

	10/01/~~2020~~ 2022 to 09/30/~~2021~~ 2023	~~$5.79~~ $6.32	~~$6.09~~ $6.65	~~$6.22~~ $6.79
	~~After~~ 10/01/2023 to 09/30/~~2021~~ 2024	~~$6.02~~ $6.64	~~$6.33~~ $6.98	~~$6.47~~ $7.13
	10/01/2024 to 09/30/2025	$6.97	$7.33	$7.49
	After 09/30/2025	$7.32	$7.70	$7.86
Commercial	Through 09/30/~~2020~~ 2022	~~$5.55~~ $6.02	~~$5.55~~ $6.02	~~$5.55~~ $6.02
	10/01/~~2020~~ 2022 to 09/30/~~2021~~ 2023	~~$5.79~~ $6.32	~~$5.79~~ $6.32	~~$5.79~~ $6.32
	~~After~~ 10/01/2023 to 09/30/~~2021~~ 2024	~~$6.02~~ $6.64	~~$6.02~~ $6.64	~~$6.02~~ $6.64
	10/01/2024 to 09/30/2025	$6.97	$6.97	$6.97
	After 09/30/2025	$7.32	$7.32	$7.32
County/schools	Through 09/30/~~2020~~ 2022	~~$5.55~~ $6.02	~~$5.55~~ $6.02	~~$5.55~~ $6.02
	10/01/~~2020~~ 2022 to 09/30/~~2021~~ 2023	~~$5.79~~ $6.32	~~$5.79~~ $6.32	~~$5.79~~ $6.32
	~~After~~ 10/01/2023 to 09/30/~~2021~~ 2024	~~$6.02~~ $6.64	~~$6.02~~ $6.64	~~$6.02~~ $6.64
	10/01/2024 to 09/30/2025	$6.97	$6.97	$6.97
	After 09/30/2025	$7.32	$7.32	$7.32

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

Section 4. Section 40-173 of the Code of the Incorporated County of Los Alamos 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 ~~$2.79~~ $3.03 per 1,000 gallons for consumption through September 30, ~~2020~~ 2022, ~~$2.91~~ $3.18 per 1,000 gallons for consumption October 1, ~~2020~~ 2022 through September 30, ~~2021~~ 2023, $3.34 per 1,000 gallons for consumption October 1, 2023 through September 30, 2024, $3.51 per 1,000 gallons for consumption October 1, 2024 through September 30, 2025, and ~~$3.03~~ $3.69 per 1,000 gallons for consumption after September 30, ~~2021~~ 2025.

Section 5. Section 40-175 of the Code of the Incorporated County of Los Alamos 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 ~~$3.81~~ $4.13 per 1,000 gallons for consumption through September 30, ~~2020~~ 2022, ~~$3.97~~ $4.34 per 1,000 gallons for consumption October 1, ~~2020~~ 2022 through September 30, ~~2021~~ 2023, $4.56 per 1,000 gallons for consumption October 1, 2023 through September 30, 2024, $4.79 per 1,000 gallons for consumption October 1, 2024 through September 30, 2025, and ~~$4.13~~ $5.03 per 1,000 gallons for consumption after September 30, ~~2021~~ 2025.

(c) The customer service charge for water sold and delivered to bulk points of delivery shall be ~~$718.35~~ $778.84 per month per customer for service through September 30, ~~2020~~ 2022, ~~$748.88~~ $817.78 per month per customer for service October 1, ~~2020~~ 2022 through September 30, ~~2021~~ 2023, $858.67 per month per customer for service October 1, 2023 through September 30, 2024, $901.60 per month per customer for service October 1, 2024 through September 30, 2025, and ~~$778.84~~ $946.68 per month per customer for service after September 30, ~~2021~~ 2025.

Section 6. **Effective Date.** This ordinance shall become effective upon adoption with the amended water rates being applied for all billings on or after June _____, 2022.

Section 7. **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 8. **Repealer.** All ordinance 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 _____ day of June 2022.

COUNCIL OF THE INCORPORATED
COUNTY OF LOS ALAMOS

_____

Randall T. Ryti,
Council Chair

ATTEST: (SEAL)

_____

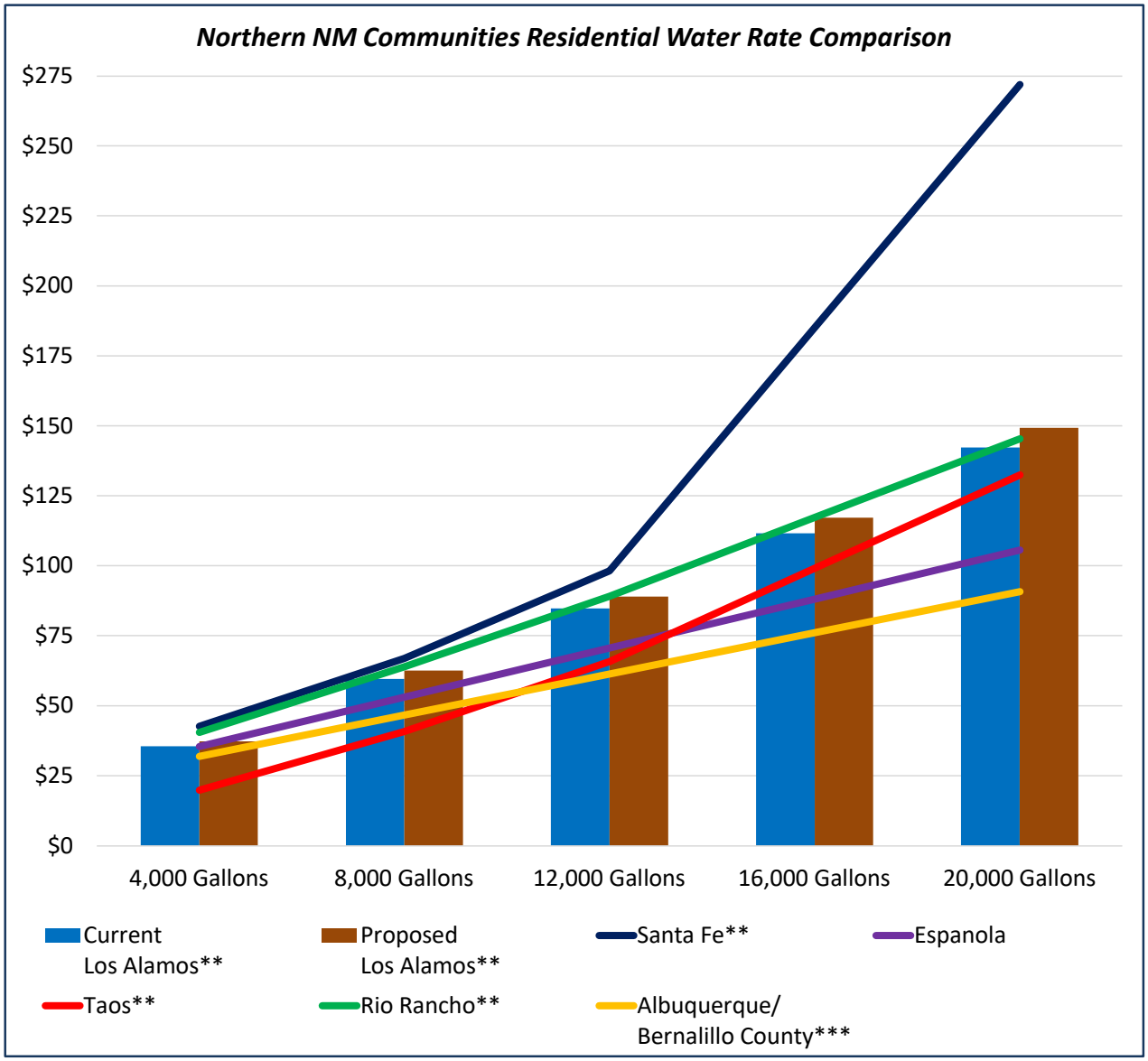
Naomi D. Maestas,
Los Alamos County Clerk

Projected Typical Bill for Residential

	ELECTRIC 500 kwh	GAS 75 therms (assumes $0.30 variable)	WATER 6,000 gal	SEWER	Total (excludes refuse)	Total % annual Increase	Total cumulative % Increase
FY2023	$73.55	$51.39	$49.91	$58.21	$233.07	4.30%	
FY2024	$76.63	$53.70	$52.41	$59.37	$242.12	3.88%	4%
FY2025	$79.86	$56.20	$55.03	$60.56	$251.65	3.94%	8%
FY2026	$81.90	$57.88	$57.78	$61.77	$259.34	3.05%	11%
FY2027	$84.70	$59.30	$60.67	$65.48	$270.14	4.17%	16%
FY2028	$86.88	$60.40	$62.49	$69.41	$279.18	3.34%	20%
FY2029	$88.37	$61.54	$64.36	$72.88	$287.16	2.86%	23%
FY2030	$89.90	$62.32	$66.29	$75.79	$294.31	2.49%	26%
FY2031	$91.46	$63.12	$68.28	$78.83	$301.68	2.51%	29%
FY2032	$93.05	$63.93	$70.33	$80.40	$307.71	2.00%	32%

Utility Expense as a Percentage of Income

	Total Bill for Average Household	Los Alamos Median Household Income	Assumed Annual Income Increase	Percentage Needed to Pay Utility Bill
FY2023	$233.07	$115,768	2.5%	2.42%
FY2024	$242.12	$118,663	2.5%	2.45%
FY2025	$251.65	$121,629	2.5%	2.48%
FY2026	$259.34	$124,670	2.5%	2.50%
FY2027	$270.14	$127,787	2.5%	2.54%
FY2028	$279.18	$130,981	2.5%	2.56%
FY2029	$287.16	$134,256	2.5%	2.57%
FY2030	$294.31	$137,612	2.5%	2.57%
FY2031	$301.68	$141,053	2.5%	2.57%
FY2032	$307.71	$144,579	2.5%	2.55%

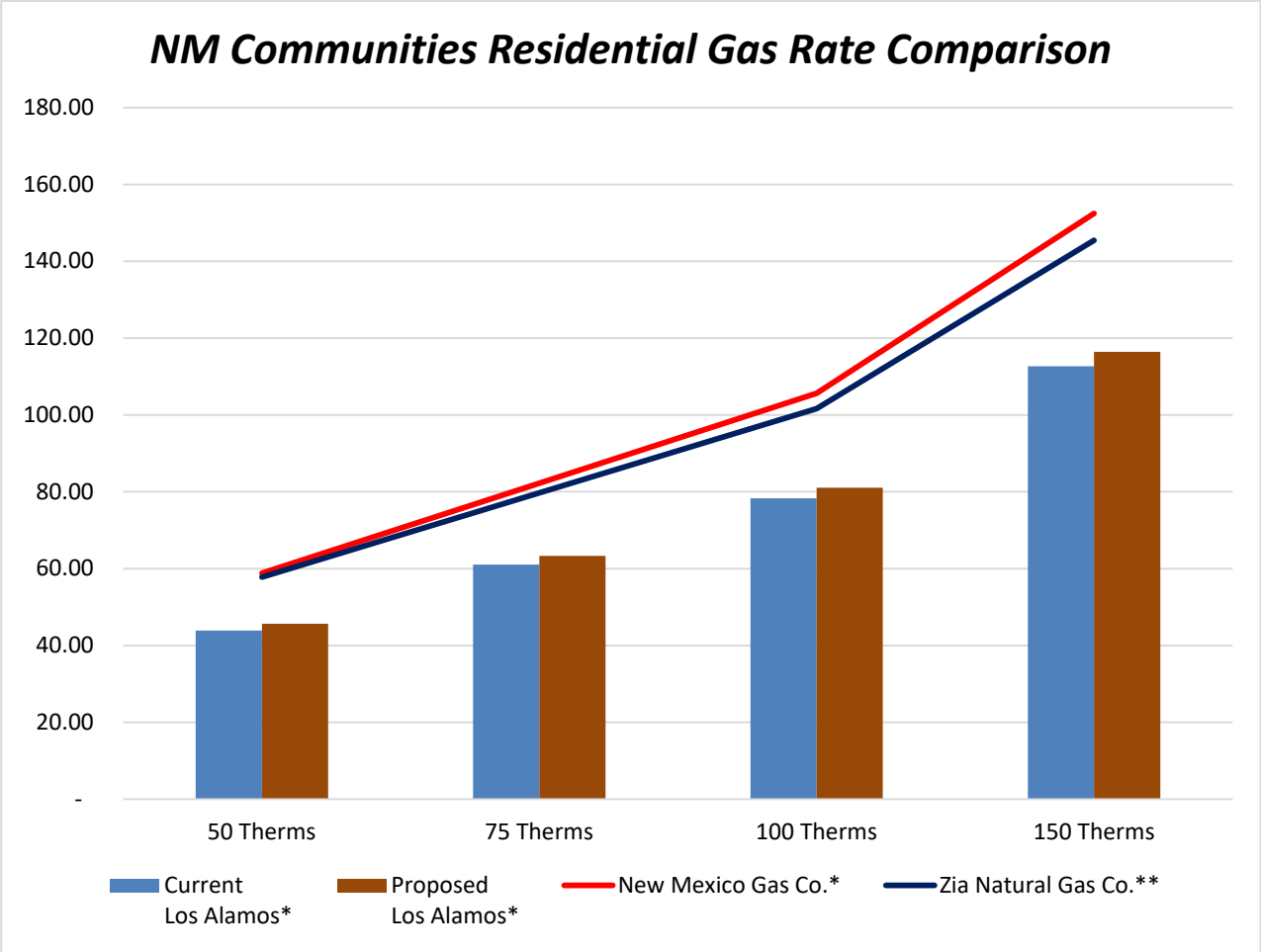


SAMPLE RESIDENTIAL BILL - Assuming 5/8" Meter & PEAK Season

Monthly Usage	Current Los Alamos**	**Proposed Los Alamos****	Santa Fe**	Espanola	Taos**	Rio Rancho**	Albuquerque/ Bernalillo County***
4,000 Gallons	35.48	**37.25**	42.66	35.49	19.88	40.55	31.91
6,000 Gallons	47.52	**49.89**	54.78	44.26	28.22	51.75	39.27
8,000 Gallons	59.56	**62.53**	66.90	53.03	40.74	63.89	46.64
12,000 Gallons	84.78	**89.01**	98.22	70.56	65.78	89.11	61.36
14,000 Gallons	97.58	**102.45**	141.66	79.33	82.46	103.19	68.73
16,000 Gallons	111.63	**117.20**	185.10	88.10	99.14	117.27	76.09
20,000 Gallons	142.23	**149.32**	271.98	105.63	132.50	145.43	90.82
30,000 Gallons	218.73	**229.62**	489.18	149.47	215.90	215.83	127.64

*** 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.*

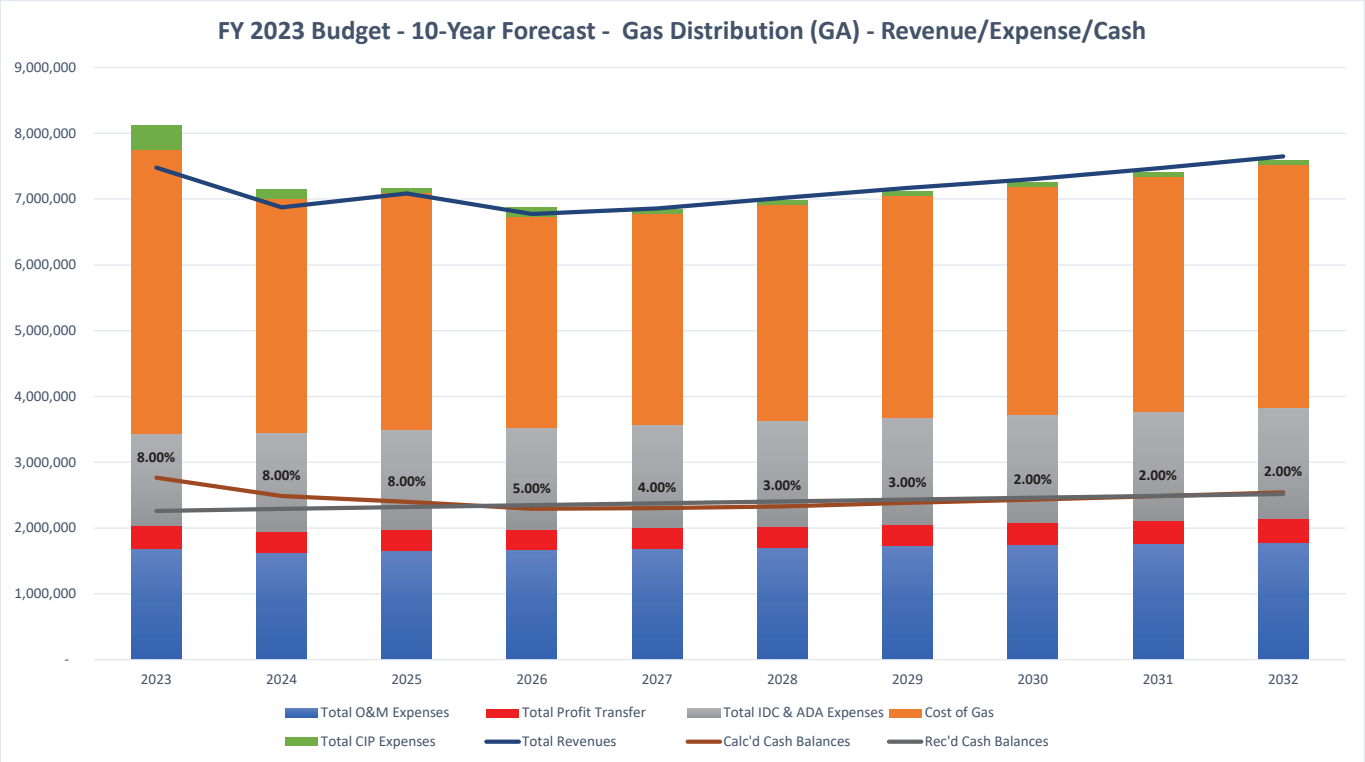


SAMPLE RESIDENTIAL BILL - Assuming Small Gas Meter

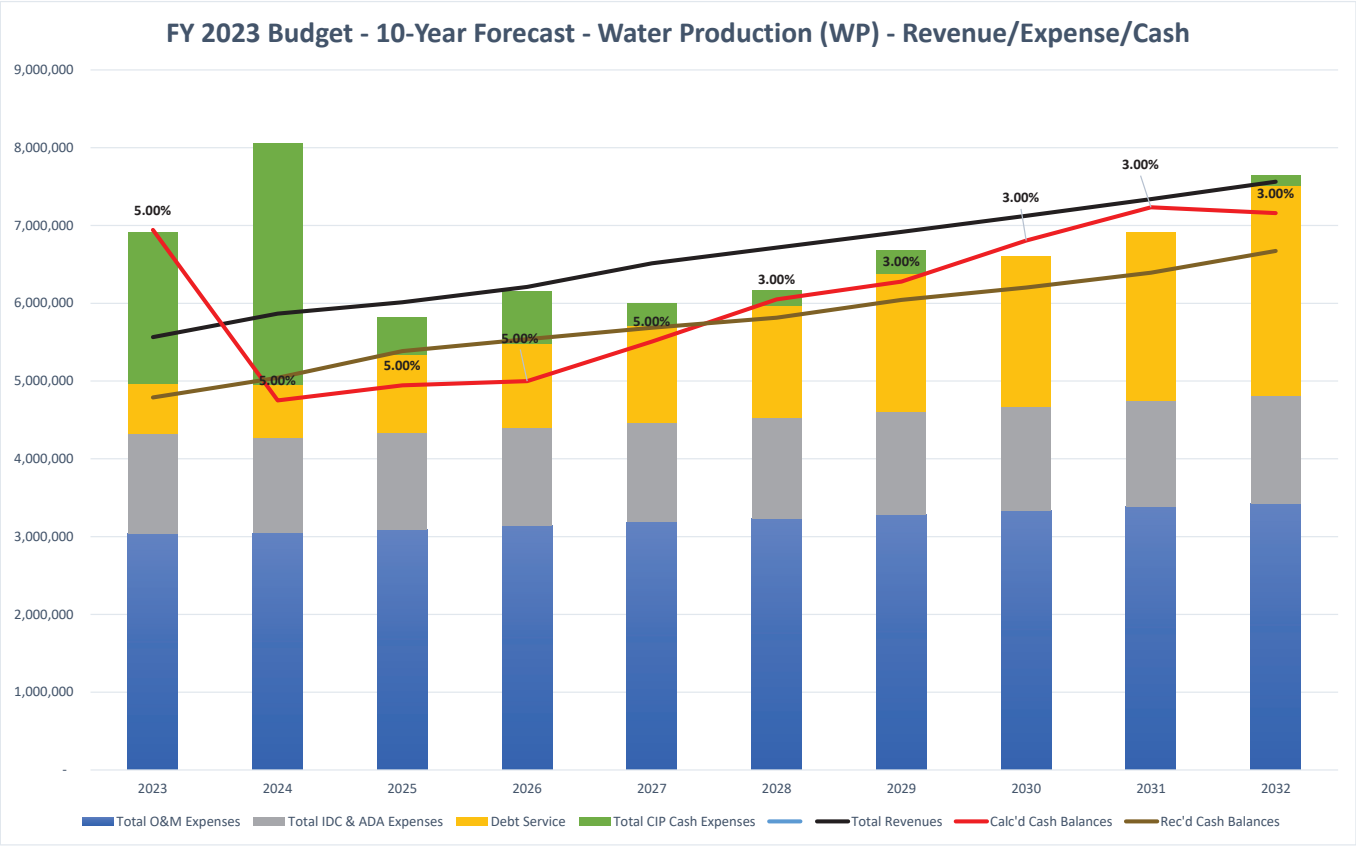
Monthly Usage	Current Los Alamos*	**Proposed Los Alamos***	New Mexico Gas Co.*	Zia Natural Gas Co.**
50 Therms	43.89	**45.65**	58.81	57.82
75 Therms	61.09	**63.35**	82.22	79.73
100 Therms	78.28	**81.04**	105.62	101.63
150 Therms	112.67	**116.43**	152.44	145.45

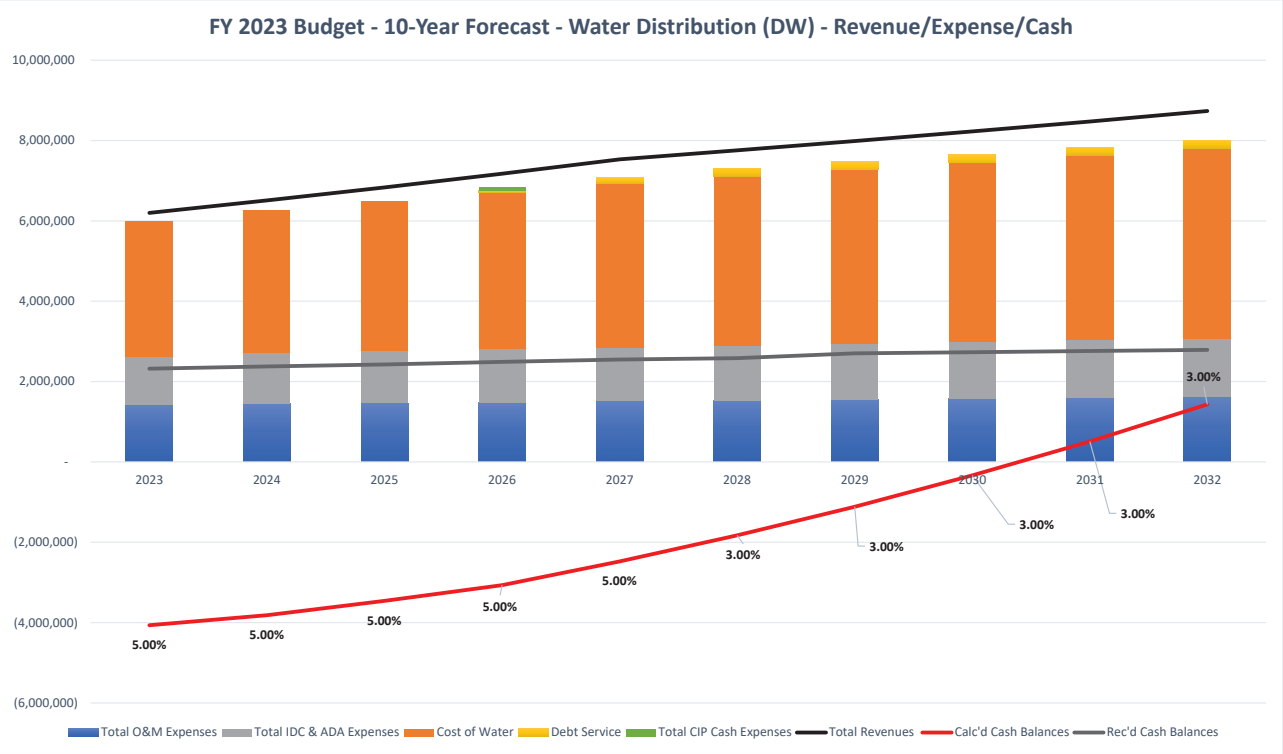
**Average of 12 months Cost of Gas Comodity Rate used.*

*** Average of all service areas used for comparison.*



ATTACHMENT D


FY 2023 Budget - 10-Year Forecast - Water Production (WP) - Revenue/Expense/Cash
9,000,000
8,000,000
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
-
5.00%
5.00%
5.00%
5.00%
5.00%
3.00%
3.00%
3.00%
3.00%
3.00%
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
Total O&M Expenses
Total IDC & ADA Expenses
Debt Service
Total CIP Cash Expenses
Total Revenues
Calc'd Cash Balances
Rec'd Cash Balances



ATTACHMENT D

County of Los Alamos

Staff Report

May 18, 2022

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: Board of Public Utilities

Legislative File: **15785-22**

Title

Approval of Board of Public Utilities Meeting Minutes

Recommended Action

I move that the Board of Public Utilities approve the meeting minutes 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.

Attachments

A - Draft BPU Work Session Minutes 4/8/22
B - Draft BPU Regular Meeting Minutes - 4/20/22
C - Utilities Manager Report - 4/20/22

County of Los Alamos

Minutes

Board of Public Utilities

1000 Central Avenue
Los Alamos, NM 87544

Cornell Wright, Chair; Steve Tobin, Vice-chair;
Stephen McLin, Eric Stromberg, and Carrie Walker, Members
Philo Shelton, Ex Officio Member
Steven Lynne, Ex Officio Member
Denise Derkacs, Council Liaison

Friday, April 8, 2022 **11:00 AM** **Remote Meeting**
https://us06web.zoom.us/j/83403002177

WORK SESSION

1. CALL TO ORDER

The first work session of the Incorporated County of Los Alamos Board of Public Utilities was held on Friday, April 8, 2022 via Zoom video conferencing platform. Board Chair Cornell Wright called the meeting to order at 11:03 am. Members of the public were notified of the ability to participate remotely and submit public comment during the meeting. The following board members were in attendance:

Present 7 - **Board Member Stromberg, Board Member Tobin, Board Member Shelton, Board Member Lynne, Board Member Wright, Board Member Walker and Board Member McLin**

2. PUBLIC COMMENT

Chair Wright opened the floor for public comment on items not otherwise included on the agenda. There were no comments.

3. APPROVAL OF AGENDA

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

Yes: 5 - **Board Member Stromberg, Board Member Tobin, Board Member Wright, Board Member Walker and Board Member McLin**

4. PRESENTATIONS

4.A. 15593-22 IRP Presentation by FTI Consulting
(Presenters will be Fengrong Li, Ken Ditzel, and Mitch DeRubis)

Steve Cummins, Deputy Utility Manager - Power Production asked board members to hold questions until the end of each section of the presentation. He then asked Jordan Garcia, Power Systems Supervisor to introduce the presenters from FTI Consulting:

* Fengrong Li, Managing Director
* Ken Dietzel, North American Managing Director
* Mitch DeRubis, Senior Director, Pittsburgh

DPU is seeking BPU discussion and feedback on the Integrated Resource Plan portfolio analysis, findings, and pivot strategies that account for actual load, market conditions, and generation resource bids in the acquisition of future electricity generation resources. The County has partnered with DOE-LANL since 1985 through the Los Alamos Power Pool (LAPP) Electric Coordination Agreement (ECA). LAPP plans for the electrical power needs of both parties by developing and maintaining a Power Supply Study, commonly referred to as an Integrated Resource Plan, or IRP. LAPP is finalizing the 2022 IRP to help guide near-term and long-term decisions for meeting the future power demands of the power pool in the most environmentally sustainable fashion while also considering the cost to the County citizens and to the Laboratory's operation. The IRP considers BPU's carbon neutral electric provider by 2040 policy, and President Biden's Executive Order directing that LANL achieve 100 percent carbon pollution-free electricity on a net annual basis by 2030. In May of 2021 BPU and County Council approved a contract with FTI for the development of an IRP. FTI is now presenting the IRP findings to BPU. The IRP final report will guide the acquisition of the County's future electricity generation resources.

A copy of FTI's presentation was included in the meeting packet and covered the following material:
1. What is an IRP?
2. Description on the structured IRP process
3. WECC and New Mexico power market assessment
4. New resource considerations
5. Capacity expansion and portfolio construction results
6. Portfolio assessments and stochastic simulations
7. Preferred portfolio and pivot strategies

Mr. Grant Stewart, Utilities and Infrastructure Project Director at LANL spoke highly of DPU staff and stated that it has been a pleasure to work with Mr. Cummins and Mr. Garcia, and FTI Consulting on this project. Ms. Li, Mr. Dietzel, Mr. DeRubis, Mr. Cummins, and Mr. Garcia responded to board member inquiries and provided clarifying information as appropriate.

RECESS, 12:55 - 1:00 pm

4.B. 15617-22 Review of LARES Budget Options

Due to the length of the IRP Presentation, Chair Wright decided to move this item to the next regular meeting on April 20, 2022.

DRAFT - These minutes have not been approved by the BPU.

5. PUBLIC COMMENT

Chair Wright opened the floor for public comment on any items; there was none.

6. ADJOURNMENT

The meeting adjourned at 2:29 p.m.

****

APPROVAL

_____

Board of Public Utilities Chair Name

_____

Board of Public Utilities Chair Signature

_____

Date Approved by the Board

County of Los Alamos

Minutes

Board of Public Utilities

1000 Central Avenue
Los Alamos, NM 87544

Cornell Wright, Chair; Steve Tobin, Vice-chair;
Stephen McLin, Eric Stromberg, and Carrie Walker, Members
Philo Shelton, Ex Officio Member
Steven Lynne, Ex Officio Member
Denise Derkacs, Council Liaison

Wednesday, April 20, 2022 **5:30 PM** **Remote Meeting: https://us06web.zoom.us/j/84205413318**

REGULAR MEETING

1. CALL TO ORDER

There were none.

The regular meeting of the Incorporated County of Los Alamos Board of Public Utilities was held on Wednesday, April 20, 2022 at 5:30 p.m. via Zoom videoconferencing platform. Board Chair Cornell Wright called the meeting to order at 5:30 p.m.

Present 7 - **Board Member Stromberg, Board Member Tobin, Board Member Shelton, Board Member Lynne, Board Member Wright, Board Member Walker and Board Member McLin**

2. PUBLIC COMMENT

Chair Wright opened the floor for public comment on items on the Consent Agenda and for those not otherwise included on the agenda. There were no members of the public in attendance.

3. APPROVAL OF AGENDA

****

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

****

Yes: 5 - **Board Member Stromberg, Board Member Tobin, Board Member Wright, Board Member Walker and Board Member McLin**

4. BOARD BUSINESS

4.A. Chair's Report

Chair Wright reported that he, Vice Chair Tobin, Mr. Shelton and Mr. Cummins met recently to discuss next steps after the IRP presentation.

4.B. Board Member Reports

There were none.

4.C. Utilities Manager's Report

Mr. Shelton reviewed his written report which is attached to the minutes. He provided summarized comments and responded to board member inquiries as appropriate.

4.D. County Manager's Report

Mr. Lynne reported that budget hearings have been underway. Two sessions have been completed and two more were scheduled for the following week. He also acknowledged DPU for coordination with the rest of the county departments and positive involvement in capital planning and integration on several levels. Mr. Lynne said that the relationship with DPU and the rest of the county is important and he commended staff for all of their work during the budget process.

4.E. Council Liaison's Report

Council Vice Chair Derkacs reported on the following items:
1). Budget sessions have been underway, two sessions have been completed and two are scheduled for the following week.
2). The DPU budget was approved by Council the previous evening in the amount of $86,561,568.00
3). Five budget options were also approved for DPU with profit transfers.

There were no questions from board members.

4.F. Environmental Sustainability Board Liaison's Report

Ms. Emerson reported on the following:
1). The ESB is focusing on food waste prevention activities.
2). ESB will have a booth at PEEC on Saturday for Earth Day Activities. It will focus on Zero Waste and there will be a solar oven display and solar baked cookies for attendees.
3). The Green Restaurant Team has been reactivated and will focus on decreasing food waste and reducing the use of plastic. The team will also assist with Green Certification for restaurants.

There were no board member questions.

4.G. General Board Business

15825-22 Future BPU Meetings Format

Chair Wright asked the board to discuss the options for future meetings. The overall consensus was that hybrid meetings were preferred where the board members would meet in person and Zoom would continue to be used for public comments and board/staff members that were unable to meet in person. This was agreed upon for regular meetings. Chair Wright also asked Ms. Casados to research the availability of meeting rooms and hybrid format for work sessions.

4.H. Approval of Board Expenses

There were none.

4.I. Preview of Upcoming Agenda Items

15355-22 Tickler Report for May - July 2022

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

1). Mr. Stromberg stated that he would be out of town on May 4 and would need to reschedule his presentation.
2). Mr. Cummins stated that he would confirm that PNM would still be available to present on May 4 as scheduled.
3). Chair Wright stated that May 18 would begin with a one-hour closed session to discuss the Utilities Manager performance evaluation. The regular meeting would then begin at 6:30 pm.

5. PUBLIC HEARING(S)

5.A. **OR0940-22a** Incorporated County of Los Alamos Ordinance No. 714, An Ordinance Authorizing Execution of Drinking Water State Revolving Loan for Repainting Barranca MesaTank II

Mr. Alarid reported that this Drinking Water State Revolving Loan (DWSRL) will partially fund the repainting of Barranca Mesa Tank No. 2. Barranca Mesa Tank No. 2 is an elevated 200,000 gallon water tank located adjacent to Barranca Elementary School. The tank was last painted in 1975, and the coating is showing signs of failure and requires lead paint removal. A detailed tank inspection was performed by a third party last year and some additional work was identified. The project will include painting the interior and exterior of the water tank, installation of a new cathodic protection system, painting the interior piping, lighting/access safety improvements and some structural repairs. The project design will take place over the summer and the project will be bid in the fall/winter of 2022, with work onsite beginning in the spring 2023 when temperatures warm-up and meet the paint manufacturer's requirements. This DWSRL will be a 25 year loan in the amount of $865,570 at an interest rate of 1.0%. If approved, the loan is scheduled to close on July 8, 2022. If the ordinance is not approved, staff will continue to pursue the project by reallocating capital funds.

Mr. Alarid also reported that on January 4, 2022 the County Council approved budget revision 2022-32 which designated $1,128,660 of American Rescue Plan Act (ARPA) funds for this project. The total cost of the project is now estimated at $1.5 million. This loan will supplement the ARPA funding. Note that this loan was applied for months before the ARPA funds existed, and we are proceeding with the loan amount of $865,570 to preserve the 1% interest rate and maintain the project schedule. There is no penalty or consequence if the full loan amount is not spent. If the ordinance is approved by Council, the projected date to close on the loan is July 8, 2022.

Mr. Alarid responded to board member inquiries and provided clarifying information as appropriate. Member McLin requested that staff provide a spreadsheet of all active loans with future approval requests (for ease of clarification). There were no members of the public in attendance.

****

Member McLin moved that the Board of Public Utilities Approve Incorporated County of Los Alamos Ordinance No. 714, An Ordinance Authorizing Execution of Drinking Water State Revolving Loan 5637 in the amount of $865,570.00 for the Barranca Mesa Tank No. 2 Repainting Project, and forward to the County Council for Approval.

****

Yes: 5 - Board Member Stromberg, Board Member Tobin, Board Member Wright, Board Member McLin, and Board Member Walker

5.B. **OR0943-22a** Incorporated County of Los Alamos Ordinance No. 717, An Ordinance Authorizing Execution of Drinking Water State Revolving Loan (DWSRL) for the Replacement of Water Production Motor Controls and Associated Electrical and Mechanical Equipment.

Mr. Alarid presented that the water production system contains 12 wells and 18 booster stations. The majority of these facilities have been in service since the 1960s. In recent years an increasing number of failures have been experienced due to motor controls and a variety of electric issues. The DPU hired a consultant with experience in design, evaluation and trouble shooting electric gear in water production facilities to evaluate the condition and prioritize required improvements to maintain reliable operation of these facilities. Given the large number of facilities and associated upgrades, the DPU has planned a large project to address as many upgrades as possible funded through a DWSRL loan. Funding these improvements through a loan is advantageous since these facilities will serve the community for decades and interest rates are at an all time low in the DWSRL program. The loan will be for $2,727,000, at an interest rate of 1%, for a term of 25 years. The project is schedule to bid for construction in the late summer of 2023 and be constructed over the winter and spring of 2023. If approved, the loan is scheduled to close on July 8, 2022. If the ordinance is not approved these improvements will be pursued as smaller projects budgeted in individual fiscal years. This project has been budgeted in fiscal year 2023 in an amount of $2,727,000, contingent of securing a DWSRL loan.

Mr. Alarid and Mr. Richardson responded to board member inquiries and provided clarifying information as appropriate. Member Stromberg requested that the language in the staff report be clarified as "Motor Control Centers." There were no members of the public present.

****

Member Tobin moved that the Board of Public Utilities Approve Incorporated County of Los Alamos Ordinance No. 717, An Ordinance Authorizing Execution of Drinking Water State Revolving Loan 5638 in the amount of $2,727,000.00 for the Replacement of Water Production Motor Controls and Associated Electrical and Mechanical Equipment Project, and forward to the County Council for Approval.

****

Yes: 5 - Board Member Stromberg, Board Member Tobin, Board Member Wright, Board Member McLin, and Board Member Walker

6. CONSENT AGENDA

****

Member Tobin moved 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.

****

Yes: 5 - Board Member Stromberg, Board Member Tobin, Board Member Wright, Board Member McLin, and Board Member Walker

6.A. 15353-22 Approval of Board of Public Utilities Meeting Minutes

I move that the Board of Public Utilities approve the meeting minutes as presented:

6.B. 15781-22 Approval of Task Order No. 1 to AGR22-67b with Souder Miller & Associates for Engineering Services to Paint Barranca Tank No. 2.

I move that the Board of Public Utilities Approve Task Order No. 1 to AGR22-67b with Souder Miller & Associates for Engineering Services to Paint Barranca Tank No. 2 in the Amount of $234,985.36, which includes Gross Receipts Tax, and a Contingency in the amount of $36,000, for a Total Project Budget of $270,985.36, and forward to Council for approval.

6.C. AGR0843-22a Approval of Services Agreement No. AGR22-71 with Southwest Fire Defense, LLC in the amount of $1,000,000.00, plus Applicable Gross Receipts Tax, for the Purpose of Electric Power Line Tree Trimming services near and around 15,000 volt energized power lines, as requested by the Department of Public Utilities.

I move that the Board of Public Utilities approve Services Agreement No. AGR22-71 with Southwest Fire Defense, LLC in the amount of $1,000,000.00 plus applicable gross receipts tax, for the purpose of Electric Power Line Tree Trimming services near and around energized power lines, as requested by the Department of Public Utilities and forward to Council for approval.

7. BUSINESS

7.A. 15342-22 Approve the expenditure of $220,000 plus applicable Gross Receipts Tax for the purchase, installation, and operation of two (2) DC Fast Chargers and approve Budget Revision 2022-41 in the Amount of $135,600.

Mr. Cummins communicated to the board that Mr. Olbrich would present since he was the lead on the project. Mr. Olbrich provided some historical information regarding this request.

DPU is supporting the replacement of petroleum-fueled motor vehicles with all-electric vehicles by purchasing, installing, and operating two (2) DC Fast Chargers, one (1) each at the Municipal Building and White Rock Visitor Center parking lots, as illustrated in Attachment B. DPU is seeking approval of the following two expenditures for this project:
1. Task Order No. 5 with Allied 360, for the installation of two (2) DC Fast Chargers as described in Attachment B, in the amount of $67,578 as detailed in Attachment C, and a contingency in the amount of $17,038, for a total of $84,616, plus applicable Gross Receipts Tax (GRT).
2. Purchase order with ChargePoint for two (2) Express 250 chargers, installation materials, shipping, and five (5) years of operations and maintenance support, in the amount of $119,009 as detailed in Attachment D, and a contingency of $2,975, for a total of $121,984, plus applicable
DPU also seeks approval of Budget Revision 2022-41 in the amount of $135,600 as detailed in Attachment A, to fund the purchase, installation, and operation of two (2) Direct Current (DC) fast chargers. This funding is required to pay for the upfront project

expenses that will later be reimbursed by a grant award from the Volkswagen Settlement Second Round Funding, in the amount of $135,600 as detailed in Attachment E. There will be a cost for utility transformer and metering installation, in the amount of $13,400, plus applicable GRT. Total project cost is $220,000 plus applicable GRT. The use of the chargers will require a ChargePoint account. Users will be charged a fee of $0.30/kWh which is the same fee established by the New Mexico General Services Department for several DC fast chargers in Santa Fe. Pricing can be adjusted as needed to achieve policy or financial goals and can be configured with different rates for County fleet use. DPU will gain access to utilization data for the two (2) charging stations; an example of the available data is detailed in Attachment F. These data will be valuable because it will allow DPU to keep ahead of EV charger demand in the County and more accurately forecast increased electric load from vehicle electrification. These will be the first level 3 DC fast chargers in Los Alamos and will help meet the growing electric vehicle charging needs of residents, commuters, and visitors.

DPU could pursue an alternative BPU-directed approach, or the EV charger project and grant funding may be abandoned. Detailed information regarding the fiscal impact was provided in the meeting packet.The staff impact would be included in normal duties.

Mr. Cummins and Mr. Olbrich responded to board member inquiries and provided clarifying information as appropriate. Mr. Cummins also responded to the board's brief discussion on DPU's role in a network of charging stations. He stated that this effort was to meet the FER adopted policy to support the replacement of petroleum fueled vehicles and that DPU needs to have a conversation about who should own the charging network going forward. It may make more sense for it to belong to Facilities and not DPU. Board members voiced their agreement.

****

Mr. Wright moved that the Board of Public Utilities approve the following:
1). The expenditure of $67,578, with a contingency of $17,038, for a total of $84,616, plus applicable Gross Receipts Tax, for Task Order No. 5 with Allied 360 for the installation of DC Fast Chargers.
2). The expenditure of $119,009, with a contingency of $2,975, for a total of $121,984, plus applicable Gross Receipts Tax, for the purchase of DC Fast Chargers and services from ChargePoint Incorporated.
3). Budget Revision 2022-41 in the amount of $135,600 as summarized in Attachment A, and that Attachment A be made part of the minutes of this meeting.
He further moved that these requests be forwarded to Council for final approval.

****

Yes: 4 - Board Members Stromberg, Tobin, Wright and Walker

No: 1 - Board Member McLin

7.B. **15217-21** Conservation Initiatives Funded by the LA Green Program

Ms. D'Anna communicated that in April 2021 the BPU was presented with options for using LA Green funds and the BPU directed staff to use the funds for green power initiatives or conservation-type programs. Subsequent to that discussion, staff is presenting a list of items they desire to purchase for use in conservation programming. The current balance in the LA Green revenue account is $19,894. Purchases are expected to use as much as $18,228 of that balance. Conservation programming will require purchase of energy-saving, electric appliances for demonstration purposes. Placing these appliances strategically where customers can see, touch, and use them will encourage adoption of like items. Additionally, DPU's Conservation Coordinator will be able to use the appliances in programming that will include demonstrations, community gatherings where participants can bring their own lunch to cook on an induction stove top, portable appliance checkout program, and so forth.

Encouraging adoption of such energy-saving appliances is an important method for DPU to reach its long-term goal of carbon neutrality and elimination of natural gas. Additionally,

for a small investment, these expenditures will achieve some of the LARES goals -- GR-8, CP-3, NG-6, NG-7, and NG-8. As an alternatives to the options presented, the BPU may decide to keep LA Green funds unused and save them for a different initiative. There is no fiscal or staff impact at this time.

Ms. D'Anna and Mr. Shelton responded to board member inquiries and provided clarifying information as appropriate. There were no members of the public in attendance.

****

Member Walker moved that the Board of Public Utilities allow spending of LA Green funds on conservation programs

****

Yes: 4 - Board Member Stromberg, Board Member Tobin, Board Member Wright and Board Member Walker

No: 1 - Board Member McLin

8. STATUS REPORTS

8.A. 15354-22 Status Reports for March 2022

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

8.B. 15802-22 Quarterly Transactional Survey Report

Ms. D'Anna reported that GreatBlue Research provided results of DPU's Transactional Survey for the first quarter. With reduced in-person operations from mid-January through most of February, we anticipated the response rate might be slim and it was. Across Customer Care, Gas Water Sewer crews, and Electric Distribution crews, we received 19 responses from January through March.

Crews and representatives have business cards asking customers to take a survey about their interactions. The cards have QR codes printed on them that take users straight to the survey. The survey was also promoted on social media and Customer Care Center representatives followed up on email interactions with the survey link. Because responses were light in spite of efforts, we have added a couple of new approaches.

1) We are sending the survey link to customers who called in to the Customer Care Center via text. The message says: "Hello from the Dept of Public Utilities. You recently interacted with our Customer Care Center. Would you please rate that interaction for us at the link below? Thank you from Los Alamos DPU (505) 662-8333. https://ladpu.com/123." An unsubscribe option is included at the end of the text. The first text broadcast took place on April 6 and went to 395 phone numbers. Of those 392 were delivered, 20 people opted out, and 20 people responded to the survey that evening.

2) Customer Care Center representatives are adding the survey link to their email signatures with a request for customers to rate their interactions. While we've added these steps to increase responses for the Customer Care Center, we are still brainstorming how to increase responses for field crews.

Highlights from the survey include:

* Most Customer Care interactions were for business as usual (moves, payments, and billing questions)
* Only one person had to make contact more than once to resolve an issue
* Scores for a variety of customer service attributes were in the "good" range for 100% of customers across all categories *

Ms. D'Anna responded to board member inquiries and provided clarifying information as appropriate. There were no members of the public in attendance.

9. PUBLIC COMMENT

Chair Wright opened the floor for public comment on any items. There were no members of the public in attendance.

10. ADJOURNMENT

The meeting adjourned at 7:27 p.m.
****

APPROVAL

_____
Board of Public Utilities Chair Name

_____
Board of Public Utilities Chair Signature

_____
Date Approved by the Board

Utility Manager's Report
April 21, 2021

1. Last night, County Council tentatively approve DPU's FY 23 budget. I would like to thank the Board and staff for all their hard work in preparing this budget.

2. Uniper has secured the New Mexico renewable resources identified in the Amendment Power Purchase Agreement and this power should be available in the first quarter of calendar year 2022 prior to the retirement of San Juan Generating Station. A coordinated press release is forthcoming.

3. NNSA is holding a public hearing regarding the planned third transmission line and the announcement with meeting details are on the last page of my report. The meeting intent is to prepare an environmental assessment (EA) to upgrade the Laboratory's electrical power capacity by constructing and operating a new 115 Kilovolt power transmission line and by upgrading LANL's existing electrical infrastructure. To date we do not have the cost breakout between the transmission line and electrical upgrades.

   LANL and Los Alamos County, currently depend upon two power transmission lines to import electrical power. Full redundancy is required for power transmission to ensure reliability during maintenance, fault events, or contingencies. In addition, LANL's peak seasonal power demand is projected to exceed the established operating limits for the existing transmission lines by 2026.

   The proposed transmission line would originate at PNM's Norton Substation located on public lands managed by the U.S. Department of Interior, Bureau of Land Management (BLM). The proposed transmission line would proceed southwesterly crossing the Caja del Rio public land managed by the SFNF, ultimately spanning White Rock Canyon onto DOE/NNSA-managed lands at LANL. The proposed transmission line would have a total length of approximately 12.5 miles, all of which are located on federally-managed lands.

   The Electrical Power Capacity Upgrade (EPCU) project will bolster LANL supercomputing capabilities into the post-Exascale era. It will upgrade the existing transmission system to provide the capacity and reliability to meet mission needs for future electrical demands. Importantly, the EPCU will increase the power coming to the Laboratory from 116 MW to 200 MW with a stretch goal of 233 or 266 MW.

   The project is being managed by LANL and based on today's cost sharing agreement as an approved resource with the Electric Coordination Agreement the County would pay their pro-rata share based on energy demand. This new line is several years out from being built

so it will be under the new terms and conditions in the post 2025 ECA. Our understanding is the design will occur over the next two years with a planned construction to occur no earlier than 2024 with completion prior to 2026 when the forecasted load increases will exceed the current import capability in 2026. With LANL's increased load the County's share of the cost would be less than the 20% we pay today for the two existing lines, however, with the associated debt service and O&M for the new third line, it would increase our transmission costs initially until additional load is brought on-line based on today's terms and conditions. Staff will be seeking a fair cost sharing arrangement in the POST 2025 ECA.

4. The DPU supervision team continue to hold weekly meetings regarding our response to COVID-19 issues. The County remains at the turquois level and there has been no new guidance that would allow for lifting additional restrictions. The Customer Care Center opened on April 5th with the counter hours from 10 AM until 4 PM.

5. The AMI Contractor has as of last Friday installed 5,287 water end points, 421 electric meters, and 144 gas end points. All the notice letters have been mailed and to date we have 131 customers who choose to opt out.

6. Yesterday, UAMPS held a project management committee meeting for the CFPP and discussed the project cost estimates and the 8-module arrangement is more cost effective. UAMPS is pursuing an operator to review the operation expenses and seeking low interest loans from DOE before running the next economic competitive test. UAMPS received a letter of intent for an additional 25 MW of subscription in the project.

7. Staff continues to work with NMED and Laboratory to cleanup an area of the soil containing the oil of approximately 1.2 cubic yards of soil located next to Otowi Well #4 at DP Los Alamos Canyons confluence. Staff is working on closeout documentation provided some sampling data results for NMED to review.

8. The Parjarito Road water supply line cured in place pipe was completed and it is now in service.

9. Attended the LANL Legacy Cleanup Technical Working Group and we discussed the additional wells to be drilled this year at the chromium plume.

10. Applications for the expiring BPU position on June 30th are due April 30th.

11. Presented BPU's new environmental goals at a PEEC evening on-line event and answered questions regarding its implementation.

From: Valteau, Margeau <margeau.valteau@nnsa.doe.gov>
Sent: Thursday, April 15, 2021 9:40 AM
To: Burgess, Harry <harry.burgess@lacnm.us>
Subject: [EXTERNAL]Environmental Assessment for the Los Alamos National Laboratory Electrical Power Capacity Upgrade Project

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Harry,

The U.S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) is announcing its intent to prepare an environmental assessment (EA) pursuant to the National Environmental Policy Act of 1969 (NEPA) to upgrade the Los Alamos National Laboratory (LANL) electrical power capacity. The proposed EA will include constructing and operating a new 115 kilovolt (kV) power transmission line and upgrading LANL's existing electrical infrastructure.

LANL and Los Alamos County, New Mexico currently depend upon two power transmission lines to import electrical power. Full redundancy is required for power transmission to ensure reliability during maintenance, fault events, or contingencies. In addition, LANL's peak seasonal power demand is projected to exceed the established operating limits for the existing transmission lines by 2026. The DOE/NNSA and the U.S. Forest Service Santa Fe National Forest (SFNF), as co-lead agencies, are initiating the public scoping process for the Electrical Power Capacity Upgrade (EPCU) project EA, and the associated project-specific amendment to the SFNF 1987 Land and Resource Management Plan. The agencies are requesting public comments regarding potential environmental impacts they should consider in preparation of the EA for the proposed project.

The notice is available in the NNSA NEPA Reading Room at: https://www.energy.gov/nnsa/nnsa-nepa-reading-room. The Draft EA, when available will also be posted on this website.

Written comments are due to the email address EPCUEA@nnsa.doe.gov or submitted online at EPCU EA Project Website no later than May 21, 2021. Comments may also be made at the virtual EA scoping meeting to be held on May 6, 2021, at https://tinyurl.com/EPCUEA from 6:00 p.m. to 8:00 p.m. MDT (Scoping Meeting Phone Number: 1-408-418-9388 Access Code: 132 576 9249).

Please let me know if you have any questions.

Sincerely,

Margeau Valteau
Intergovernmental Affairs Specialist, Office of Intergovernmental Affairs
National Nuclear Security Administration
1000 Independence Ave. SW,
Washington D.C. 20585
C: (202) 235-5396

County of Los Alamos

Staff Report

May 18, 2022

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:	
Index (Council Goals):	DPU FY2020 - 1.0 Provide Safe and Reliable Utility Services
Presenters:	James Alarid, Deputy Utilities Manager - Engineering
Legislative File:	**14161-22a**

Title

Award of Bid No. IFB 22-62 for the Purpose of the Los Alamos & White Rock Gas Border Station Metering, Overpressure Protection, SCADA Project.

Recommended Action

I move that the Board of Public Utilities approve the Award of IFB 22-62 for the Purpose of the Los Alamos & White Rock Gas Border Station Metering, Overpressure Protection, SCADA Project with DUB-L-EE, LLC in the Amount of $942,856.66 plus Applicable Gross Receipts Tax, and a contingency in the amount of $94,285.66, for a total project budget of $1,106,088.72, and forward to Council for approval.

Utilities Manager Recommendation

Utilities Manager recommends that the Board approve as presented.

Body

This project will take place at the gas border stations where gas is delivered from New Mexico Gas Company (NMGC) to Los Alamos and White Rock. There are two border stations in Los Alamos and one in White Rock. At each of the three locations new metering, overpressure protection and supervisory control and data acquisition system (SCADA) will be installed. Currently the only metering and over pressure protection at these locations is on NMGC facilities. Addition of the metering will provide a check of the quantities/billing from NMGC and provide 24hr/7day usage data. The new pressure relief valves will ensure protection of the gas systems by relieving pressure in the event that a 5 PSI overpressure is sensed. The new SCADA system will monitor real-time and archive the flow, pressure and temperature readings in 5-minute increments. The date will be hosted on a cloud server where it is available to DPU operations and engineering staff. The availability of the data and monitoring capabilities will provide alarms if there are irregularities in the supply or distribution system and provide valuable data for planning and operating the system. One bid was received for the project from DUB-L-EE. DUB-L-EE has performed quality work for DPU for over a decade and has qualified staff to perform this specialty work.

Alternatives

If the project is not approved the project will be deferred and considered in future capital planning.

Fiscal and Staff Impact/Planned Item

$600,000 is budgeted in FY22 for the project. An additional $350,679.00 from unspent AMI contingency will be applied to the project, and $155,409.72 from a planned FY24 project to install pressure monitoring on the gas system will be applied to this project.

Attachments

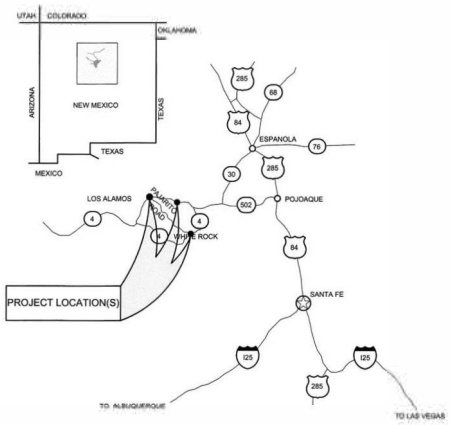
A - Project Drawings

LOS ALAMOS & WHITE ROCK *GAS* BORDER *STATION*
METERING / OVERPRESSURE PROTECTION / *SCADA* PROJECT

IFB-22-62

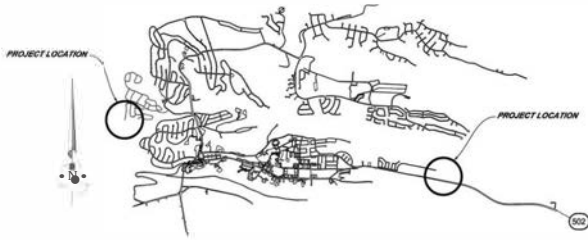
LOS ALAMOS *COUNTY* - NEW MEXICO

LOS ALAMOS



NEW MEXICO REGIONAL *MAP*

NOTTO SCALE

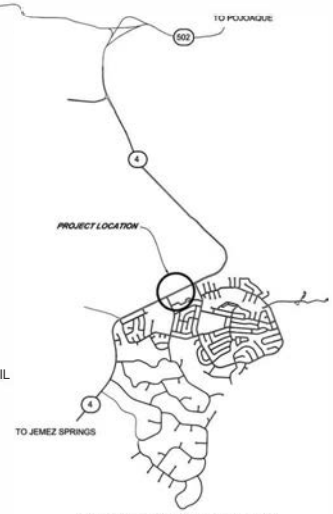


LOS ALAMOS *VICINITY* MAP

NOT TO SCALE

SHEET INDEX

C-01	TITLE SHEET
C-02	CONSTRUCTION NOTE SHEET
C-03	EAST GATE BORDER STATION/ SITE PLAN
C-04	EAST GATE BORDER STATION/ METER AND RELIEF VALVE DETAIL
C-05	WEST GATE BORDER STATION/ SITE PLAN
C-06	WEST GATE BORDER STATION/ GRADING PLAN
C-07	WEST GATE BORDER STATION/ METER AND RELIEF VALVE DETAIL
C-08	WHITE ROCK BORDER STATION/ OVERALL UTILITY PLAN
C-09	WHITE ROCK BORDER STATION/ OVERALL PIPING PLAN
C-10	WHITE ROCK BORDER STATION/ SITE & GRADING PLAN
C-11	WHITE ROCK BORDER STATION/ METER AND RELIEF VALVE DETAIL
C-12	WHITE ROCK BORDER STATION/ PRESSURE REGULATING VALVE DETAIL
C-13	SCADA EQUIPMENT DETAIL
C-14	CONSTRUCTION DETAILS
C-15	CONSTRUCTION DETAILS
C-16	EXISTING VALVE AND VAULT ADJUSTMENT



WHITE ROCK VICINITY MAP

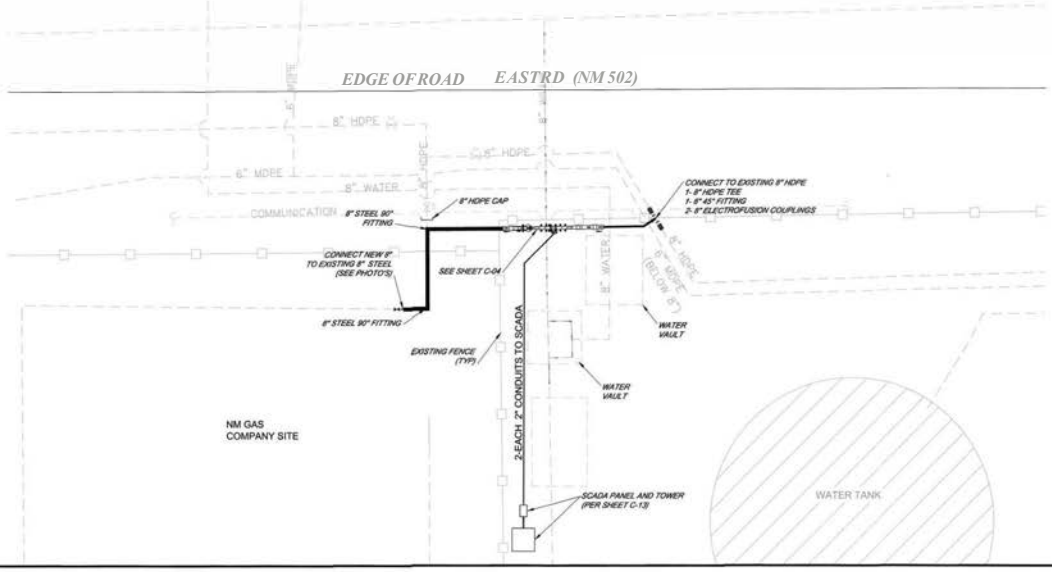
NOT TO SCALE

APPROVED *BY*, _____ DATE 4/11/22

DEPARTMEN
UTILITIES PROJECT ENGINEER

_____ DATE _____

DEPARTMENT OF PUBLIC UTILITIES
PROJECT MANAGER



NO.	REVISION DESCRIPTION
1	
2	
3	
4	
5	

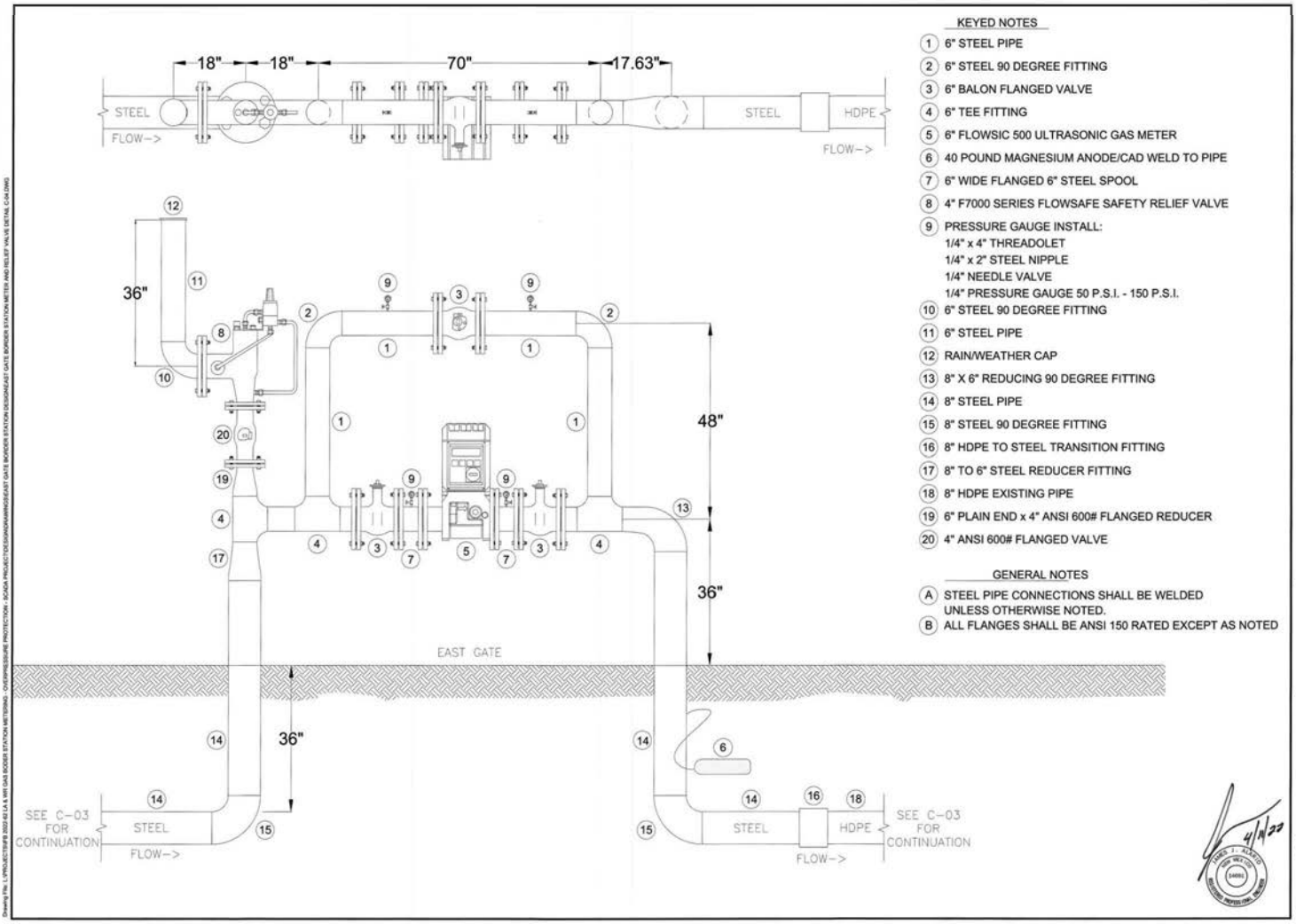
DESIGNED BY: L.A.M.
DRAWN BY: L.A.M.
APPROVED BY: J.J.A.
DATE: 12/2021
SCALE: 1:8

INCORPORATED COUNTY OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE. SUITE 130
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8333 FAX: (505) 662-8605

LOS ALAMOS

SHEET
C-03

ATTACHMENT A



KEYED NOTES

1. 6" STEEL PIPE
2. 6" STEEL 90 DEGREE FITTING
3. 6" BALON FLANGED VALVE
4. 6" TEE FITTING
5. 6" FLOWSIC 500 ULTRASONIC GAS METER
6. 40 POUND MAGNESIUM ANODE/CAD WELD TO PIPE
7. 6" WIDE FLANGED 6" STEEL SPOOL
8. 4" F7000 SERIES FLOWSAFE SAFETY RELIEF VALVE
9. PRESSURE GAUGE INSTALL:
   1/4" x 4" THREADOLET
   1/4" x 2" STEEL NIPPLE
   1/4" NEEDLE VALVE
   1/4" PRESSURE GAUGE 50 P.S.I. - 150 P.S.I.
10. 6" STEEL 90 DEGREE FITTING
11. 6" STEEL PIPE
12. RAIN/WEATHER CAP
13. 8" X 6" REDUCING 90 DEGREE FITTING
14. 8" STEEL PIPE
15. 8" STEEL 90 DEGREE FITTING
16. 8" HDPE TO STEEL TRANSITION FITTING
17. 8" TO 6" STEEL REDUCER FITTING
18. 8" HDPE EXISTING PIPE
19. 6" PLAIN END x 4" ANSI 600# FLANGED REDUCER
20. 4" ANSI 600# FLANGED VALVE

GENERAL NOTES

A. STEEL PIPE CONNECTIONS SHALL BE WELDED UNLESS OTHERWISE NOTED.
B. ALL FLANGES SHALL BE ANSI 150 RATED EXCEPT AS NOTED

NO.	REVISION DESCRIPTION
1	
2	
3	
4	
5	

DESIGNED BY: L.A.M.
DRAWN BY: L.A.M.
APPROVED BY: J.J.A.
DATE: 04/2022
SCALE: 1:10

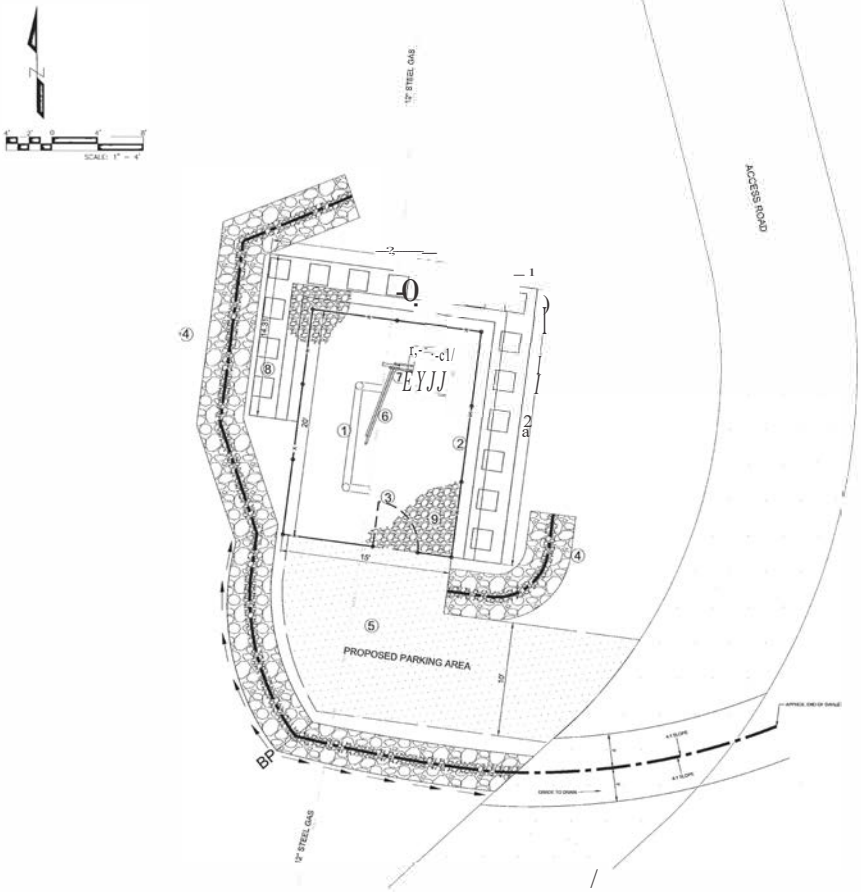
IFB 22-62
LOS ALAMOS & WHITE ROCK GAS BORDER STATION METERING/OVERPRESSURE PROTECTION/SCADA PROJECT
EAST GATE BORDER STATION METER & RELIEF VALVE DETAIL

LOS ALAMOS

INCORPORATED COUNTY OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 150
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8333 FAX: (505) 662-8005

SHEET
C-04

ATTACHMENT A



KEY NOTES

(D METER AND RELIEF VALVE PER C-07

® 6' CHAIN LINK FENCE PER DETAIL G-15.

4' SWINGING CHAIN LIN K GATE WITH PAD-LOCK ASSEMBLY

PER DETAIL BIG.-14

(4) : ; p : : : : : : S : ◆ :

@) 2-EACH 2" PVC CONDi◆IT PANEL

@ TO NEW METER CO FOR POWER SUPPLY AND CONDUIT FOR PRESSURE AND TEMPERATURE INSTRUMETER WIRES CONNECT TO SCADA PANEL AND N WATER TJGHT MANNER PER NEC REQUIREMENTS

(J) SCADA PANEL, TOWER AND FOUNDATION PER DETAIL G-13.

@) RETAINI:a WAMEEER SHEET C-06.

@ INSTALL 4 G 3" THICK (34 SY)

NO.	REVISION DESCRIPTION
1	
2	
3	
4	
5	

DESIGNED BY: L.A.M.
DRAWN BY: L.A.M.
APPROVED BY: J.J.A.
DATE: 11/2021
SCALE: 1/4

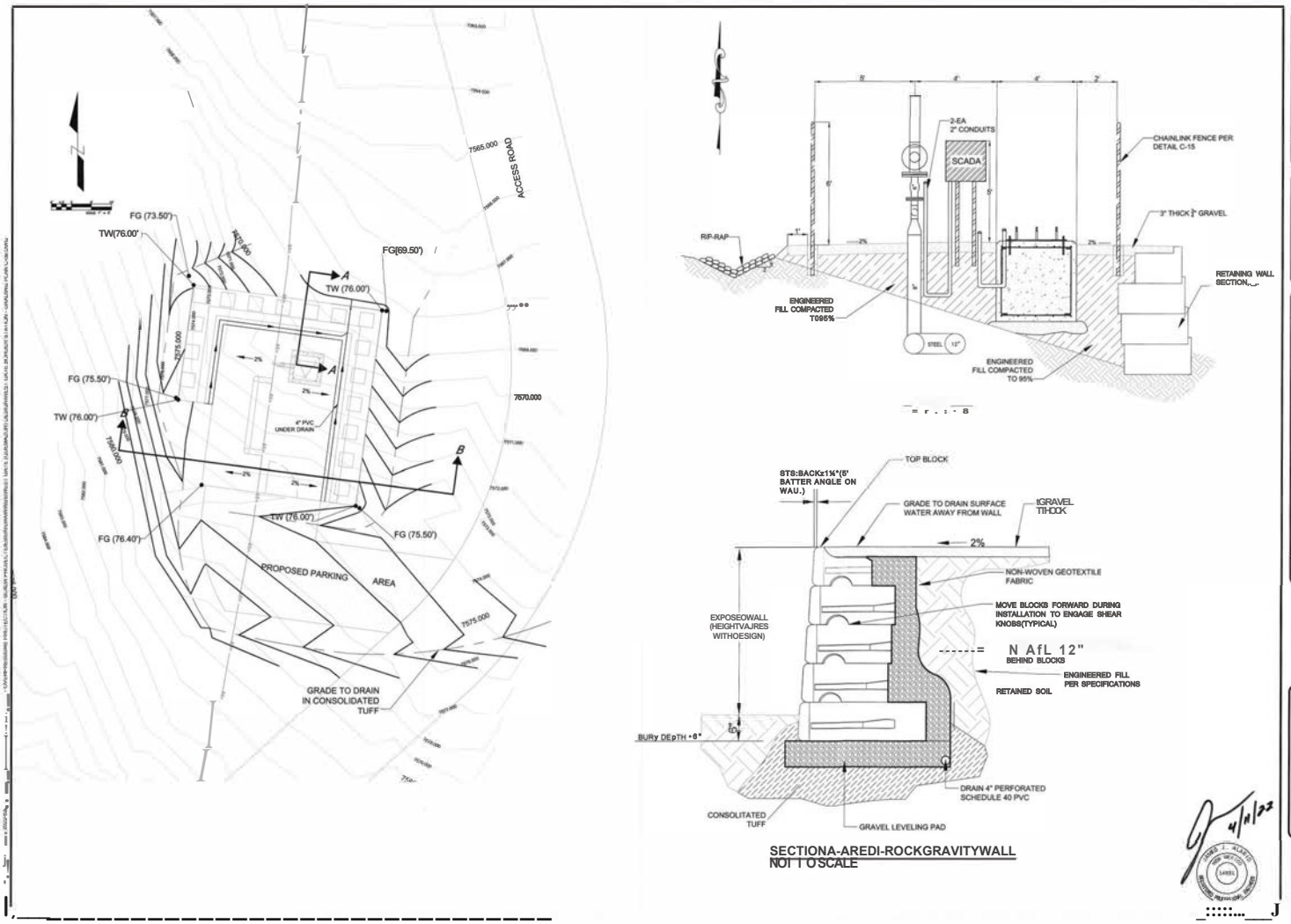
IFB 2022-62
LOS ALAMOS & WHITE ROCK GAS BORDER STATION METERING/OVERPRESSURE PROTECTION/SCADA PROJECT
WEST GATE BORDER STATION SITE PLAN

INCORPORATED COUNTY OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE., STE. 120
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8333 FAX: (505) 662-8005

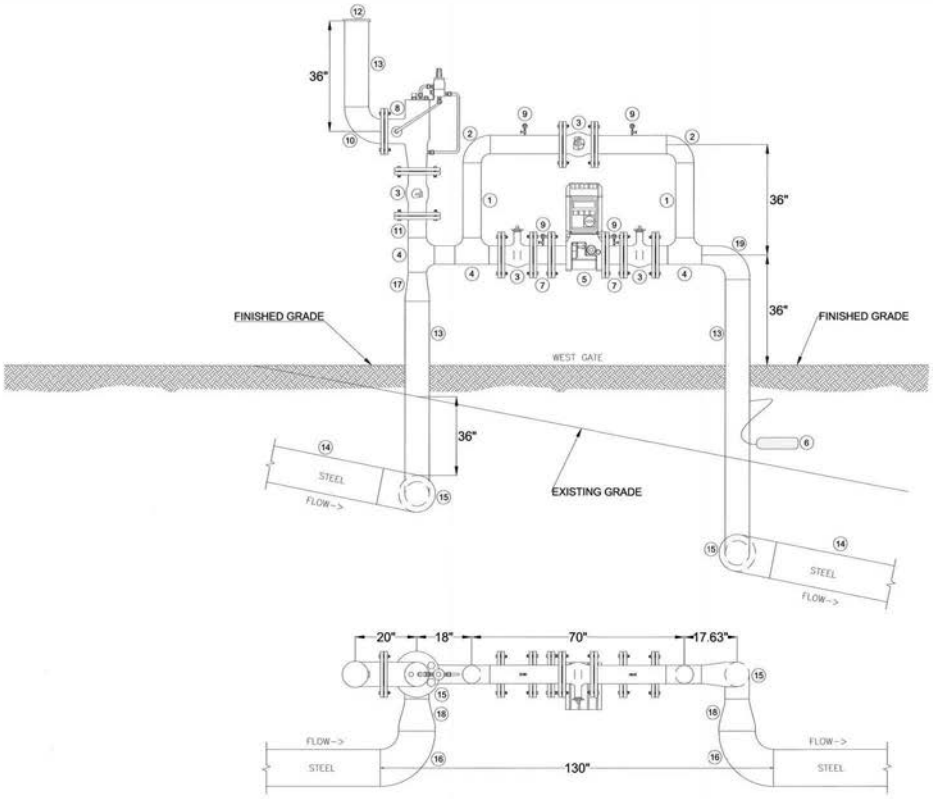
LOS ALAMOS

SHEET
C-05

ATTACHMENT A



ATTACHMENT A



KEYED NOTES

(D 6" STEEL PIPE
6' STEEL 90 DEGREE FITTING
6' ANSI 600# BALON FLANGED VALVE
6' TEE FITTING
6' FLOWSIC 500 ULTRASONIC GAS METER
40 POUND MAGNESIUM ANODE
6' WIDE FLANGED 6' STEEL SPOOL
6' F700J SERIES FLOWSAFE SAFETY RELIEF VALVE
PRESSURE GAUGE INSTALL:
1/4" x 4" THREADOLET
1/4" x 2" STEEL NIPPLE
1/4" NEEDLE VALVE
1/4" PRESSURE GAUGE 0 P.S.1.-150 P.S.I.
8' STEEL 90 DEGREE FITTING FLANGE X PLAIN END
6' STEEL ANSI 600# FLANGE BY PLAIN END SPOOL
RAIN/WEATHER CAP
8' STEEL PIPE
12' STEEL PIPE - EXISTING
8' STEEL 90 DEGREE FITTING
12' STEEL 90 DEGREE FITTING
8' TO 6' STEEL REDUCER FITTING
12' TO 8' STEEL REDUCER FITTING
8' TO 6' REDUCING 90 DEGREE FITTING

GENERAL NOTES

1. STEEL PIPE CONNECTIONS SHALL BE WELDED UNLESS OTHERWISE NOTED.
2. ALL FLANGES SHALL BE ANSI 150 RATED

4/11/22

NO.	REVISION DESCRIPTION
1	
2	
3	
4	
5	

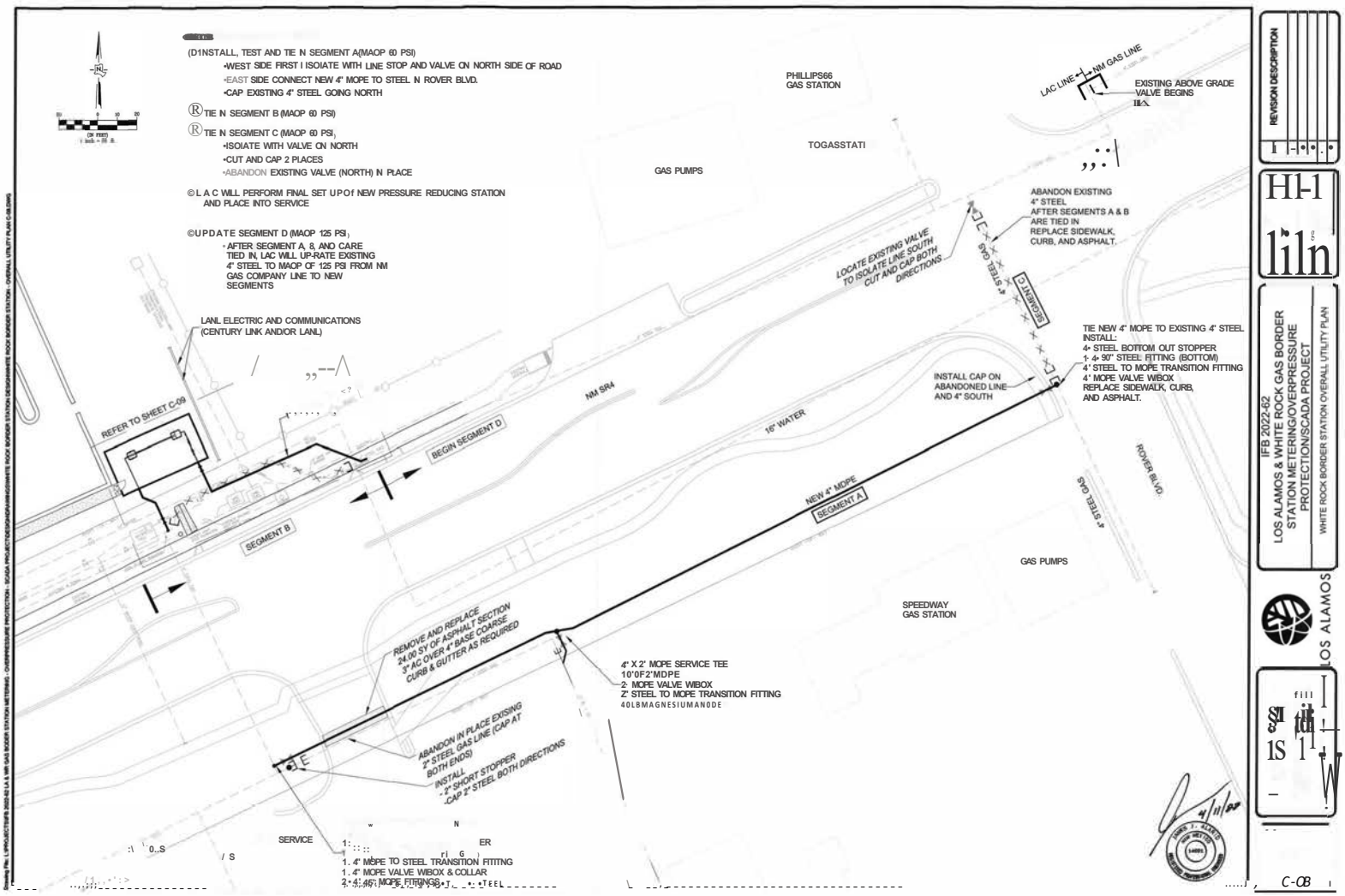
DESIGNED BY: L.A.M.
DRAWN BY: L.A.M.
APPROVED BY: J.J.A.
DATE: 04/2022
SCALE: 1:15

LOS ALAMOS

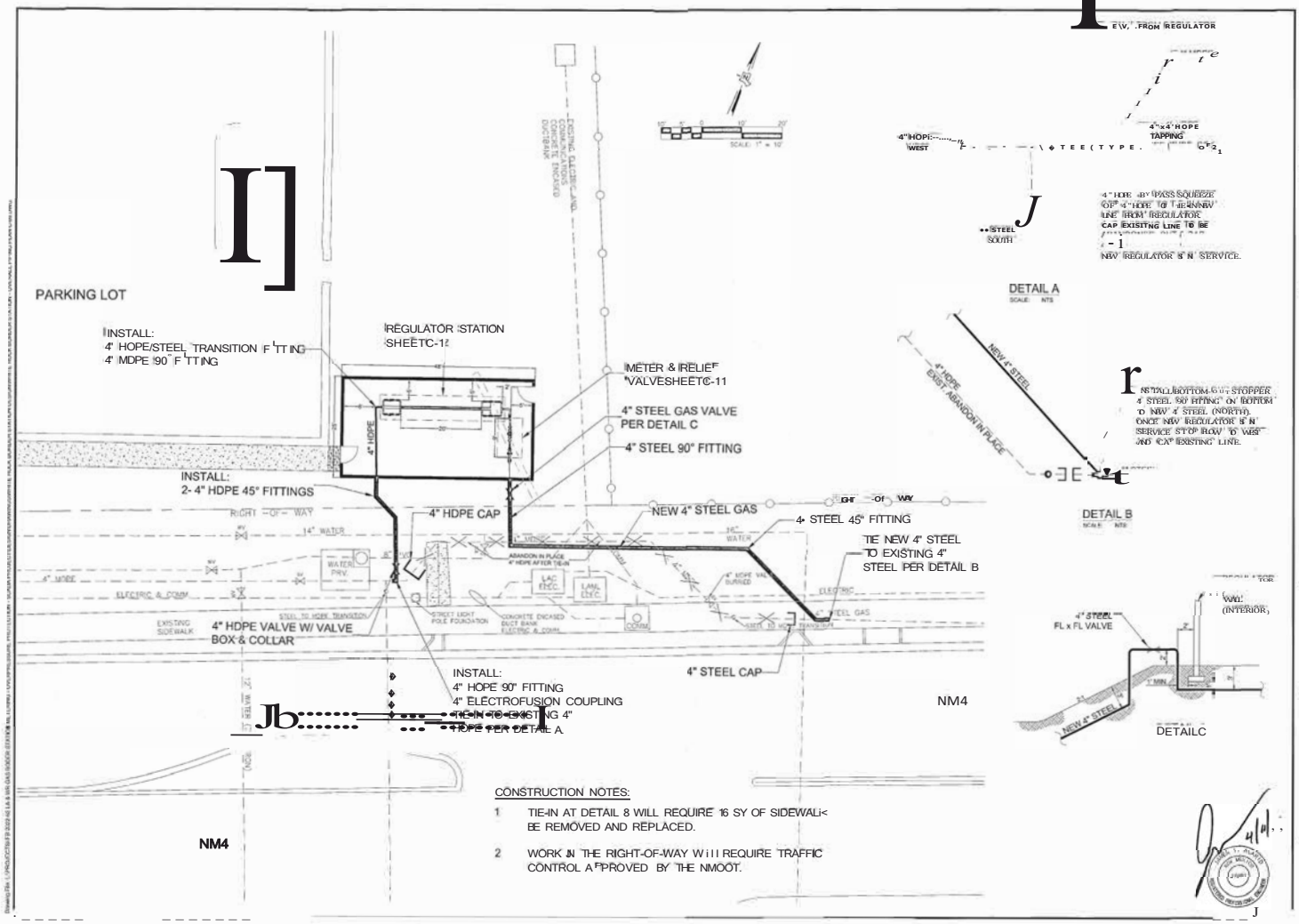
INCORPORATED COUNTY OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1200 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8333 FAX: (505) 662-8005

SHEET
C-07

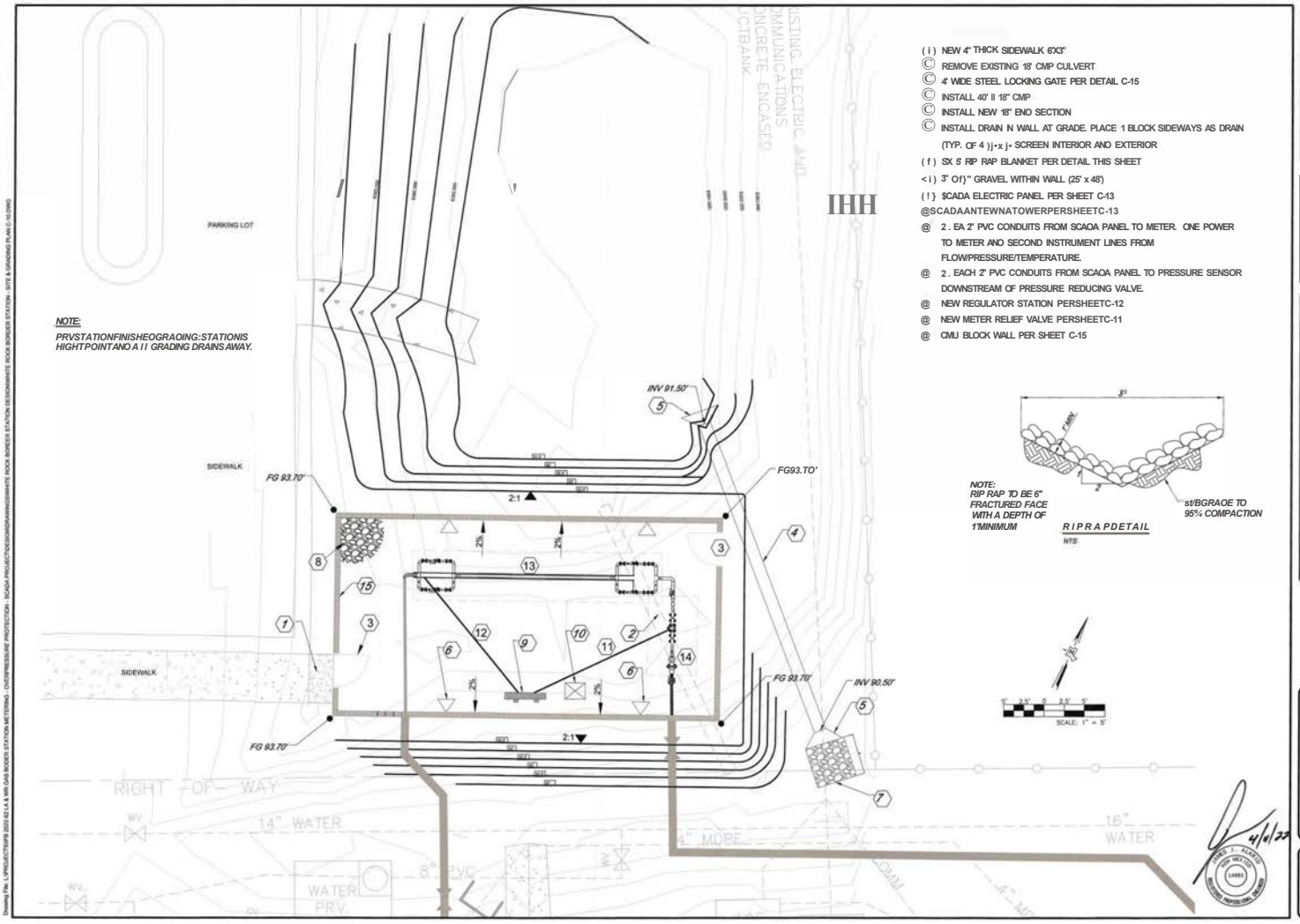
ATTACHMENT A



ATTACHMENT A



ATTACHMENT A



(i) NEW 4" THICK SIDEWALK 6'X3"
© REMOVE EXISTING 18' CMP CULVERT
© 4' WIDE STEEL LOCKING GATE PER DETAIL C-15
© INSTALL 40' II 18" CMP
© INSTALL NEW 18" ENO SECTION
© INSTALL DRAIN N WALL AT GRADE. PLACE 1 BLOCK SIDEWAYS AS DRAIN (TYP. OF 4)j•x j• SCREEN INTERIOR AND EXTERIOR
(f) SX 5 RIP RAP BLANKET PER DETAIL THIS SHEET
< i) 3" Of}" GRAVEL WITHIN WALL (25' x 48')
(! } $CADA ELECTRIC PANEL PER SHEET C-13
@SCADAANTEWNATOWERPERSHEETC-13
@ 2 . EA 2" PVC CONDUITS FROM SCAOA PANEL TO METER. ONE POWER TO METER AND SECOND INSTRUMENT LINES FROM FLOW/PRESSURE/TEMPERATURE.
@ 2 . EACH 2" PVC CONDUITS FROM SCAOA PANEL TO PRESSURE SENSOR DOWNSTREAM OF PRESSURE REDUCING VALVE.
@ NEW REGULATOR STATION PERSHEETC-12
@ NEW METER RELIEF VALVE PERSHEETC-11
@ CMU BLOCK WALL PER SHEET C-15

NO.	REVISION DESCRIPTION
1	
2	
3	
4	
5	

DESIGNED BY: L.A.M.
DRAWN BY: L.A.M.
APPROVED BY: J.J.A.
DATE: 12/2021
SCALE: 1:5

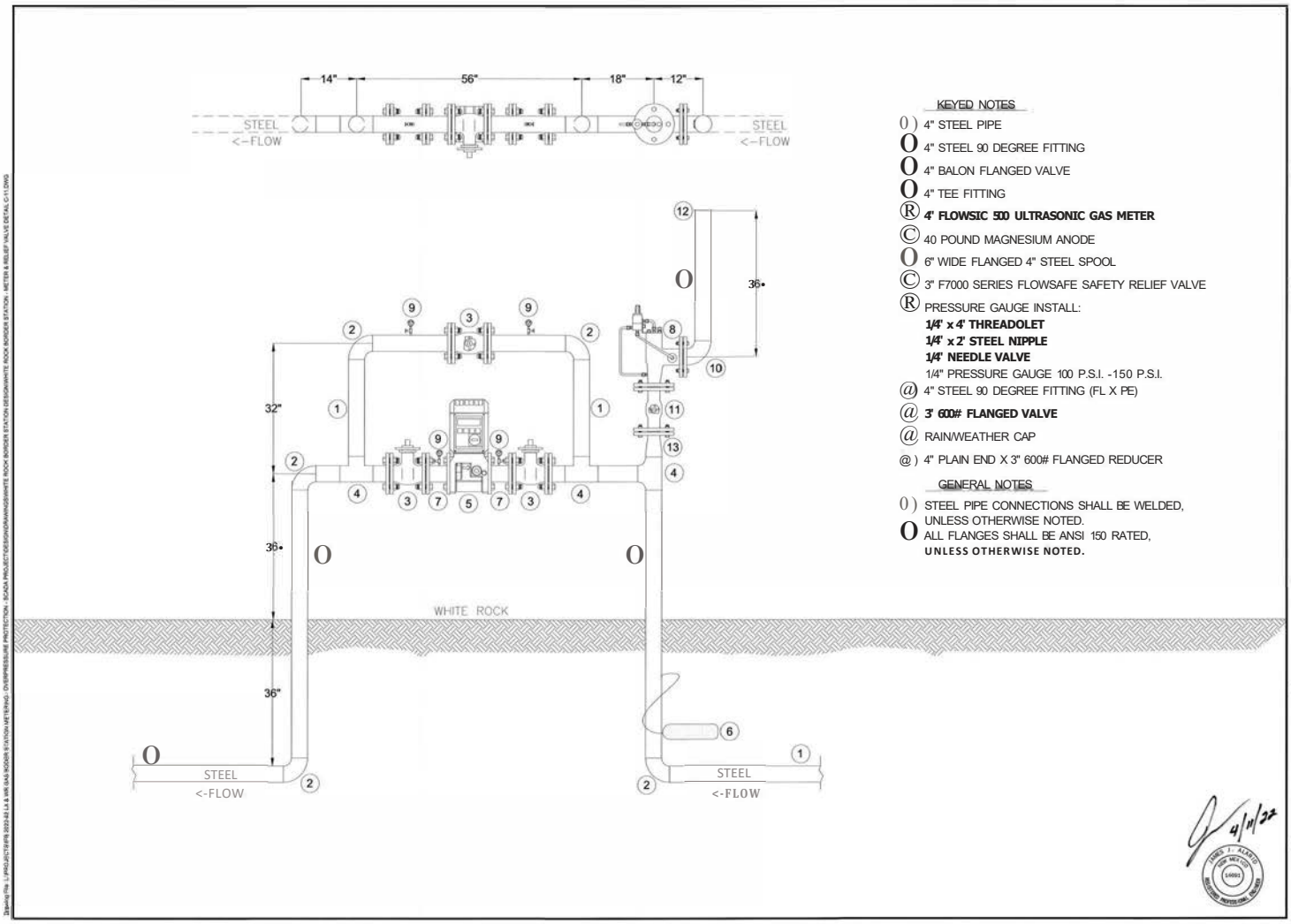
NISc)

LOS ALAMOS

INCORPORATED COUNTY OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVENUE, SUITE 150
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8333 FAX: (505) 662-8005

SHEET
C-10

ATTACHMENT A



KEYED NOTES

0) 4" STEEL PIPE
O 4" STEEL 90 DEGREE FITTING
O 4" BALON FLANGED VALVE
O 4" TEE FITTING
® **4' FLOWSIC 500 ULTRASONIC GAS METER**
© 40 POUND MAGNESIUM ANODE
O 6" WIDE FLANGED 4" STEEL SPOOL
© 3" F7000 SERIES FLOWSAFE SAFETY RELIEF VALVE
® PRESSURE GAUGE INSTALL:
1/4' x 4' THREADOLET
1/4' x 2' STEEL NIPPLE
1/4' NEEDLE VALVE
1/4" PRESSURE GAUGE 100 P.S.I. -150 P.S.I.
@ 4" STEEL 90 DEGREE FITTING (FL X PE)
@ **3' 600# FLANGED VALVE**
@ RAIN/WEATHER CAP
@) 4" PLAIN END X 3" 600# FLANGED REDUCER

GENERAL NOTES

0) STEEL PIPE CONNECTIONS SHALL BE WELDED, UNLESS OTHERWISE NOTED.
O ALL FLANGES SHALL BE ANSI 150 RATED, **UNLESS OTHERWISE NOTED.**

REVISION DESCRIPTION

DESIGNED BY: L.A.M.
DRAWN BY: L.A.M.
APPROVED BY: J.J.A.
DATE: 04/2022
SCALE: 1:10

DETAIL

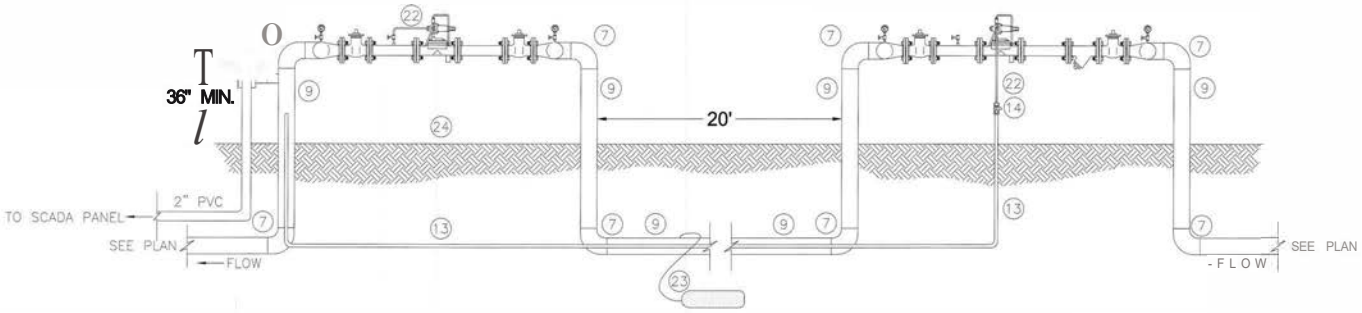
LOS ALAMOS

INCORPORATED COUNTY OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8333 FAX: (505) 662-8005

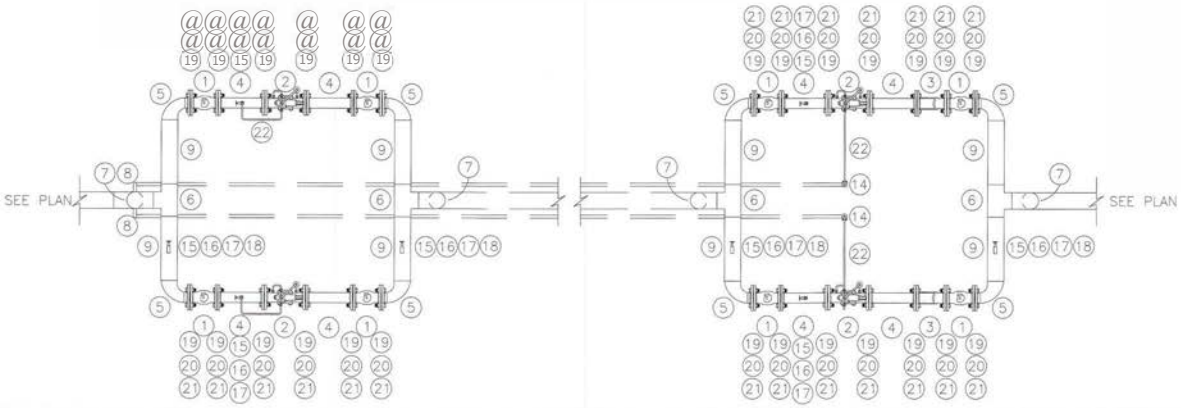
SHEET
C-11

ATTACHMENT A

NOTE
MATERIALS FOR TIE IN WILL VARY ACCORDING TO EXISTING CONDITIONS AT EACH LOCATION.



Item#	Qty	Description
1.	8	2" Balon Ball Valve Flanged 150 ANSI
2.	4	Mooney 2" Flanged Flowgrid Regulator 150 ANSI with Series 20S Pilot and pilot filter. (FG 29-100-75/FP-27/J0SD/24S/C)
3.	2	Mueller 2" Strainer Flanged 150 ANSI
4.	8 ft	2" bare Steel Pipe .154" wall thickness Grade B or X42
5.	8	4" X 2" Std Weld Reducing 90" Elbow
6.	4	4" Std Weld Tee
7.	8	4" Std Weld 90° Elbow
8.	2	¾ X ¾ Mueller Autoperf Service Tee
9.	85 ft	4" Bare Steel Pipe .237" wall thickness Grade B or X42
10	1	1/2"Thrcadolet, 1/2"NeedkValve,PressureSensor
13.	90 ft	¾" Coated Steel Pipe .113" wall thickness Grade B
14.	2	½" Mueller Gas Locking Meter Valve 175 psig WP
15.	8	½" X 4" thrcadolet
16.	8	¼"X4"steelnipp\e
17.	8	¼" needle valve
18.	4	¼" Pressure gauges Oto 100 psig
19	24	2"WeldNeckFlange 150ANSI
20.	26	2" Flange Gasket 150 ANSI
21.	104	518" X 3 ¼" threaded bolt with 2 nuts
22.	10 ft	¼" Seamless Stainless steel Tubing .035" wall thickness
23.	1	17 lb. Prepack, ed Magnesium Anode
24.	4.7 cu.yd.	¾" Gravel 2" Thick Throughout Fenced Enclosure



NO.	REVISION DESCRIPTION
-	-
-	-
-	-
-	-

DESIGNED BY: L.A.M.
DRAWN BY: L.A.M.
APPROVED BY: J.J.A.
DATE: 04/2022
SCALE: 1:10

IFB 22-62
LOS ALAMOS & WHITE ROCK GAS BORDER STATION METERING/OVERPRESSURE PROTECTION/SCADA PROJECT
WHITE ROCK PRESSURE REGULATING VALVE DETAIL

LOS ALAMOS

INCORPORATED COUNTY OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE, STE 220
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8333 FAX: (505) 662-8005

SHEET
C-12

County of Los Alamos

Staff Report

May 18, 2022

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals): * 2022 Council Goal - Investing in Infrastructure; DPU FY2020 - 1.0 Provide Safe and Reliable Utility Services; DPU FY2020 - 2.0 Achieve and Maintain Excellence in Financial Performance

Presenters: James Alarid, Deputy Utilities Manager - Engineering

Legislative File: **15586-22a**

Title

Award of Bid No. IFB 22-56 for the Purpose of the Los Alamos Wastewater Treatment Plant Tertiary Treatment Building Project.

Recommended Action

I move that the Board of Public Utilities approve the Award of Bid No. IFB 22-56 for the Purpose of the Los Alamos Wastewater Treatment Plant Tertiary Treatment Building Project with RMCI, Inc in the Amount of $3,016,609.00, plus Applicable Gross Receipts Tax, and a Contingency in the amount of $301,660.00, for a total project budget of $3,538,858.53, and forward to Council for approval. I further move that the Board of Public Utilities approve Budget Revision 2022-60 and forward to Council for approval.

Utilities Manager Recommendation

The Utilities Manager recommends that the Board approve as presented.

Body

The project will construct a new filtration building and filtration treatment process at the Los Alamos Wastewater Treatment Plant. The new filtration process will improve the water quality of the effluent to achieve Class A effluent which will allow Los Alamos County to expand the use of effluent water and conserve potable water. The higher quality water can be used in closer proximity to populated areas and with less restrictions on the times when irrigation can occur. The filtration improvements have been planned for a number of years in the capital improvement plan prepared as part of the Non-Potable Water Master Plan in 2013. The Los Alamos Wastewater Treatment Plant currently produces effluent water quality classified as Class B.

Los Alamos County was awarded $2,500,000 in the 2021 legislative session from the Water Trust Board to construct a filtration treatment process at the Los Alamos Wastewater Treatment Plant. The award is a combination grant / loan, where grant component is $1,200,000 and the loan is $1,300,000 at 0% interest with a 0.25% annual fee on the balance. In addition, the DPU must contribute $210,000 in matching funds. The project was estimated in 2020 at the time DPU applied to the Water Trust Board. In the two years since then, we have experienced construction cost escalation of 70% - 100%. We received two bids for the project which were $3,016,609

(less NMGRT) and $3,965,987 (less NMGRT). As expected the bids were significantly higher than the WTB award. We are proposing to reallocate funds from DPU's American Rescue Plant Act (ARPA) funds and from another budgeted project which received no bids.

Alternatives

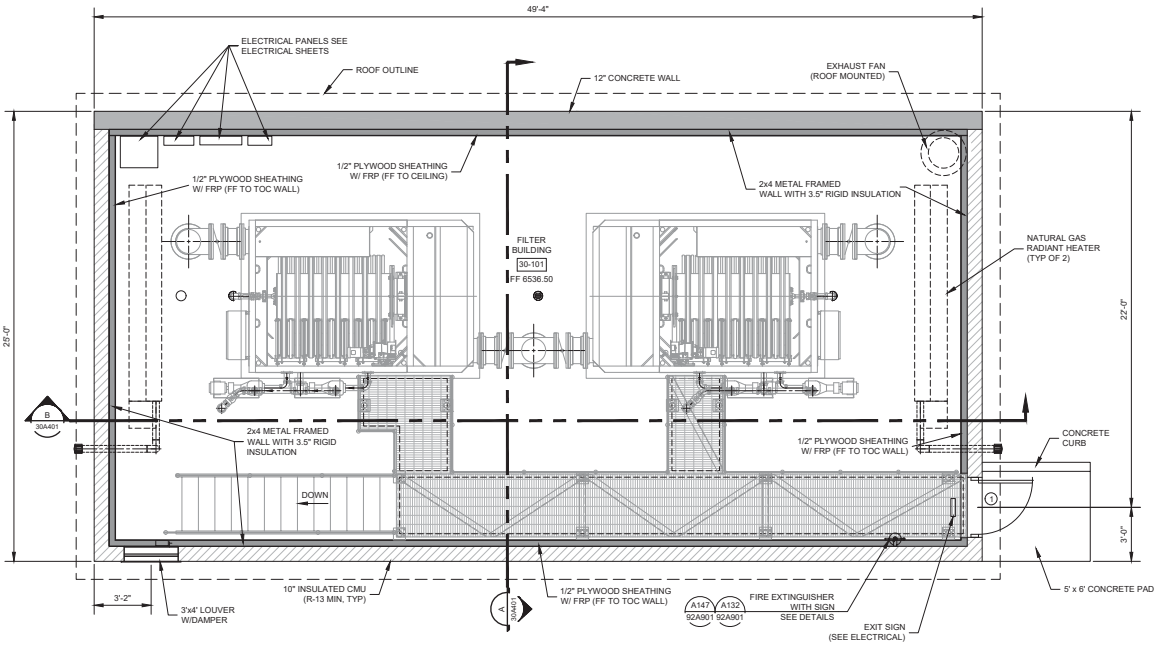
If the project is not approved the award from the Water Trust Board will be lost and the project will be deferred.

Fiscal and Staff Impact/Planned Item

$2,710,000 has been budgeted for this project in fiscal year 2022. The required project budget to cover the construction, NMGRT, and contingency is $828,858.53 above the budget. This overrun will be funded by diverting FY22 budgeted wastewater capital as follows; $352,000 from the 33rd & 34th Street project, $152,770.95 from Canyon Road project and diverting $324,087.58 from DPU's ARPA allocation. Budget Revision 2022-60 will transfer the ARPA funds from the water fund to the wastewater fund.

Attachments

A - Project Drawings
B - Budget Revision 2022-60



NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

NOTES:

1- SEE MECHANICAL, STRUCTURAL, CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK REQUIREMENTS.

2- SEE SHEET 82A801 FOR DOOR AND FINISH SCHEDULES.

ARCHITECTURAL - PLAN

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet

AQUA ENGINEERING
CIVIL • WATER • SURFACE • STRUCTURAL • ENVIRONMENTAL • LAND DEVELOPMENT
PHONE: (801) 1 (844) 1 (877) 1 (800) 1 (888) 1 (833)

Bohannan Huston
www.bhinc.com 800.877.5332

LOS ALAMOS COUNTY
LAWWTP TERTIARY TREATMENT BUILDING
TERTIARY FILTER
ARCHITECTURAL PLAN

BH PROJECT NO. 202200024
DWG NO. 30A201
SHEET 16 OF 54

DESIGN
DESIGNED BY BP
CHECKED BY JRL
DRAWN BY AQUA

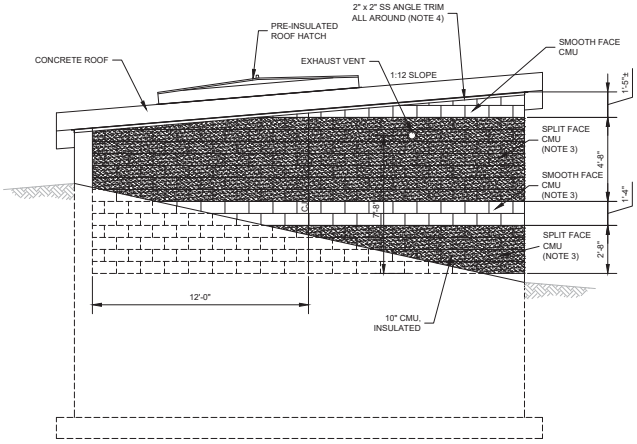
REVISIONS
NO. DATE BY

AS-BUILT INFORMATION
CONTRACTOR DATE
WORK COMPLETED DATE
REDLINES ACCURATE BY DATE
REDLINES VERIFIED BY DATE
DRAWINGS CORRECT BY DATE

ENGINEER'S SEAL

BENCH MARKS

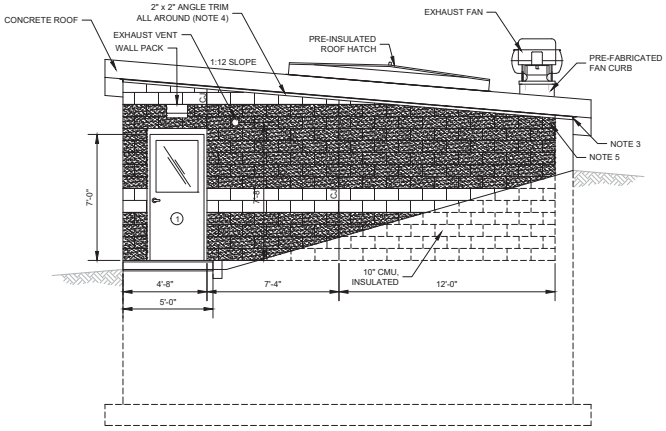
ATTACHMENT A



WEST ELEVATION

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet



EAST ELEVATION

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

NOTES:

1- SEE MECHANICAL, STRUCTURAL, CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK REQUIREMENTS.

2- FOR ROOF HATCH REQUIREMENTS REFER TO TECHNICAL SPECIFICATION SECTION 077200 AND STRUCTURAL DRAWINGS.

3- CONTRACTOR SHALL MATCH CMU BLOCK COLOR WITH EXISTING BUILDINGS.

4- CONTRACTOR TO PROVIDE AN AIR TIGHT/WATERPROOF SEAL AT WALL AND CEILING CONNECTION.

AQUA ENGINEERING
CIVIL/WATER & SUBSURFACE ENGINEERING, LAND SURVEYING
PHONE: (801) 1-(866-0247) FAX: (801) 1-(866-0247)

Bohannan Huston
www.bhinc.com 800.877.5332

LOS ALAMOS COUNTY
LAWWTP TERTIARY TREATMENT BUILDING
TERTIARY FILTER
ARCHITECTURAL ELEVATION

BH PROJECT NO.	DWG NO.	SHEET
202200024	30A301	17 OF 54

DESIGN
DESIGNED BY: BP
CHECKED BY: JRL
DRAWN BY: AQUA

REVISIONS

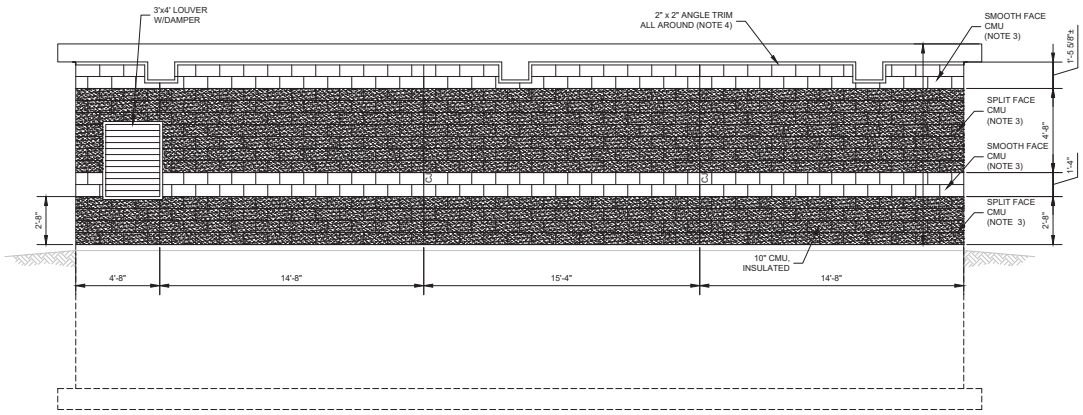
NO.	DATE		BY

AS-BUILT INFORMATION

CONTRACTOR	DATE	
WORK STAKED BY	DATE	
ASBUILTS BY	DATE	
REC'D AS-BUILTS BY	DATE	
DRAWING CHECKED BY	DATE	

BENCH MARKS

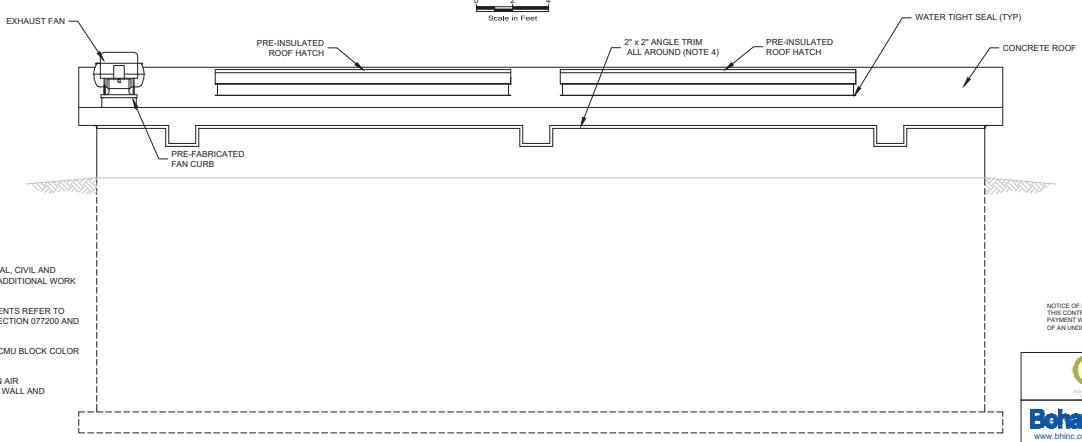
ENGINEER'S SEAL



SOUTH ELEVATION

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet



NOTES:

1- SEE MECHANICAL, STRUCTURAL, CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK REQUIREMENTS.

2- FOR ROOF HATCH REQUIREMENTS REFER TO TECHNICAL SPECIFICATION SECTION 077200 AND STRUCTURAL DRAWINGS.

3- CONTRACTOR SHALL MATCH CMU BLOCK COLOR WITH EXISTING BUILDINGS.

4- CONTRACTOR TO PROVIDE AN AIR TIGHT/WATERPROOF SEAL AT WALL AND CEILING CONNECTION.

NORTH ELEVATION

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

AQUA ENGINEERING
5575 DE SOTO AVE. SUITE 215, WOODLAND HILLS, CA 91367
PHONE: 818.712.9941 FAX: 818.712.9944 EXT.23

Bohannan Huston
www.bhinc.com 800.877.5332

LOS ALAMOS COUNTY
LAWWTP TERTIARY TREATMENT BUILDING
TERTIARY FILTER
ARCHITECTURAL ELEVATION

BH PROJECT NO.	DWG NO.	SHEET
202200024	30A302	18 OF 54

DESIGN
DESIGNED BY: BP
CHECKED BY: JRL
DRAWN BY: AQUA

REVISIONS

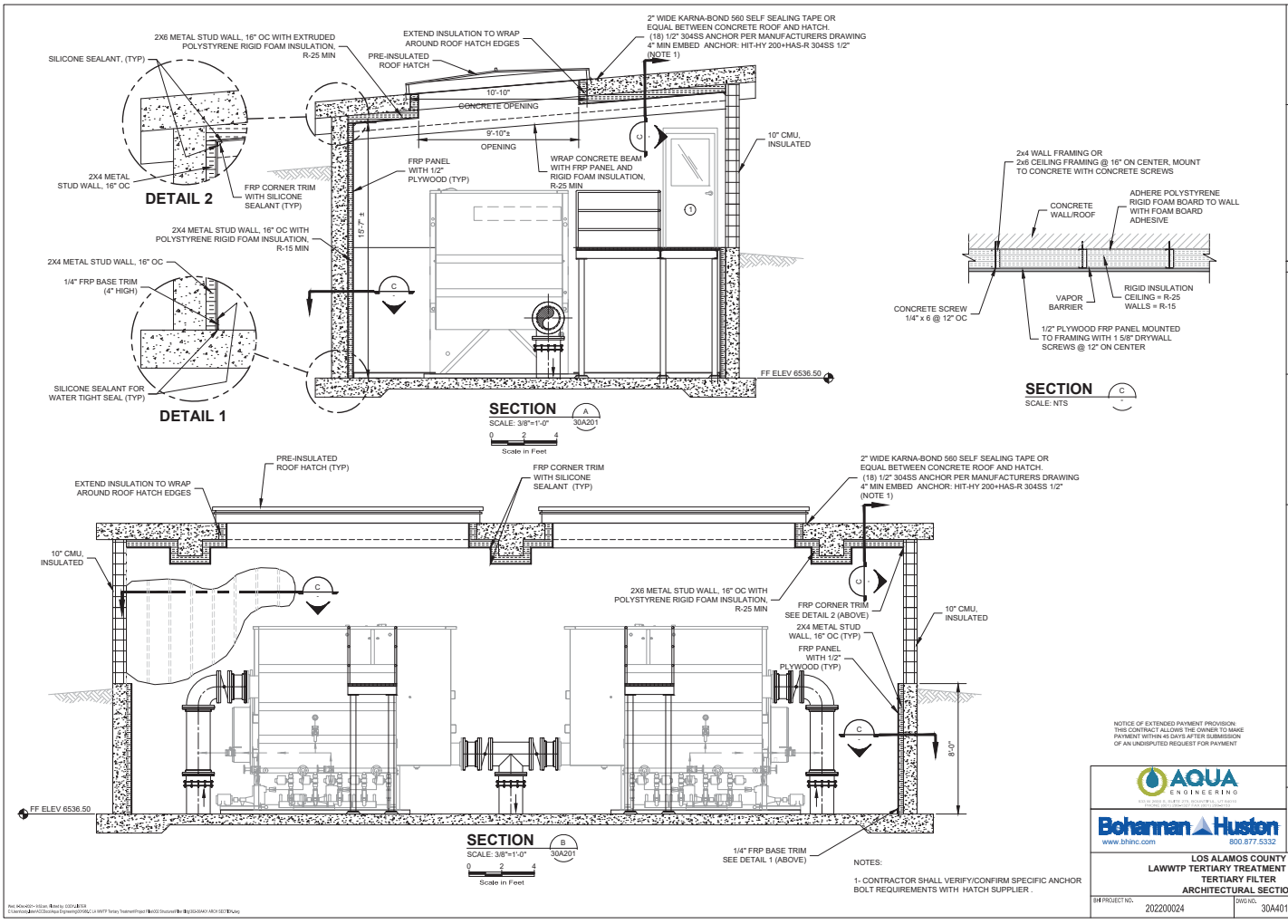
NO.	DATE	BY

AS-BUILT INFORMATION

CONTRACTOR	DATE	
WORK STAKED BY	DATE	
ASBUILTS BY	DATE	
REV. AFTER ASBUILT	DATE	
DRAWING CHANGES BY	DATE	

BENCH MARKS

ENGINEER'S SEAL



NOTES:

1- CONTRACTOR SHALL VERIFY/CONFIRM SPECIFIC ANCHOR BOLT REQUIREMENTS WITH HATCH SUPPLIER .

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

AQUA ENGINEERING
5575 NE 2000 St. PUBLIC SITE, BOONSBORO, CT 06070
PHONE: 860.423.9766 FAX: 860.423.9768 CELL

Bohannan Huston
www.bhinc.com 800.877.5332

LOS ALAMOS COUNTY
LAWWTP TERTIARY TREATMENT BUILDING
TERTIARY FILTER
ARCHITECTURAL SECTION

BH PROJECT NO. 202200024
DWG NO. 30A401
SHEET 19 OF 54

DESIGN
DESIGNED BY BP
CHECKED BY JRL
DRAWN BY AQUA

REVISIONS

NO.	DATE	BY

AS-BUILT INFORMATION

CONTRACTOR	DATE	
WORK COMPLETED	DATE	
ASSISTANCE BY	DATE	
REC'D FOR REVIEW	DATE	
DRAWING BY	DATE	

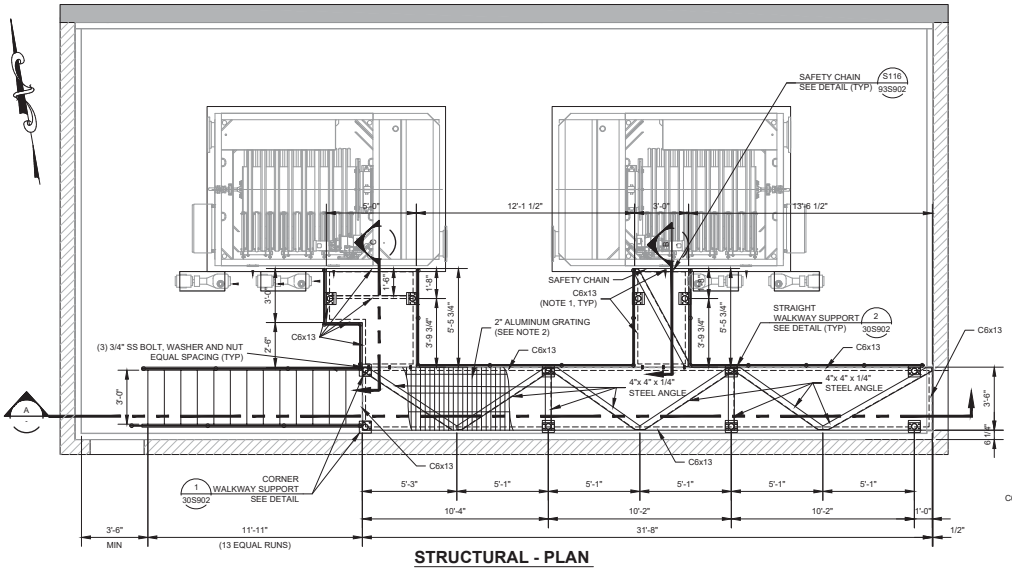
BENCH MARKS

ENGINEER'S SEAL

NOTES:

1- ALL STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIP GALVANIZED.

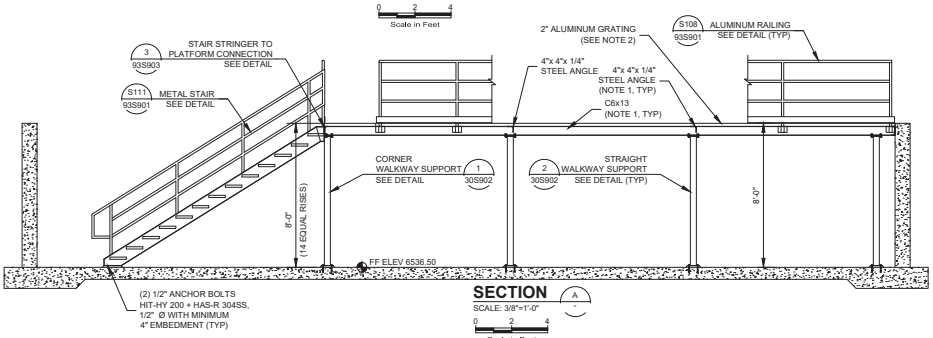
2- CONTRACTOR TO INSTALL GRATING USING MCMASTER-CARR FASTENER OR METAL BAR GRATING, PART NUMBER 6228S61 OR EQUAL.



STRUCTURAL - PLAN

SCALE: 3/8"=1'-0"

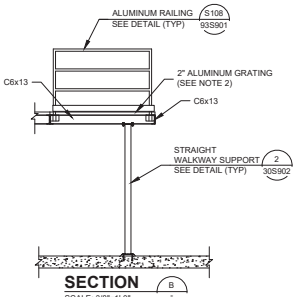
0 2 4
Scale in Feet



SECTION A

SCALE: 3/8"=1'-0"

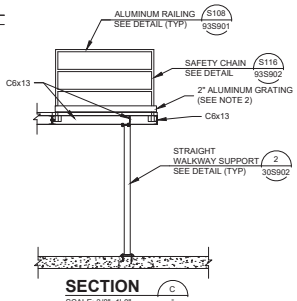
0 2 4
Scale in Feet



SECTION B

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet



SECTION C

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

AQUA ENGINEERING
5310 NE 82ND St. PLATTE 275, VANCOUVER, WA 98662
PHONE: 877-1-TEAM-2U (877-132-6428)

Bohannan Huston
www.bhinc.com 800.877.5332

LOS ALAMOS COUNTY
LAWWTP TERTIARY TREATMENT BUILDING
TERTIARY FILTER
STRUCTURAL PLATFORM PLAN

BH PROJECT NO.	DWG NO.	SHEET
202200024	30S901	24 OF 54

DESIGN
DESIGNED BY BP
CHECKED BY JRL
DRAWN BY AQUA

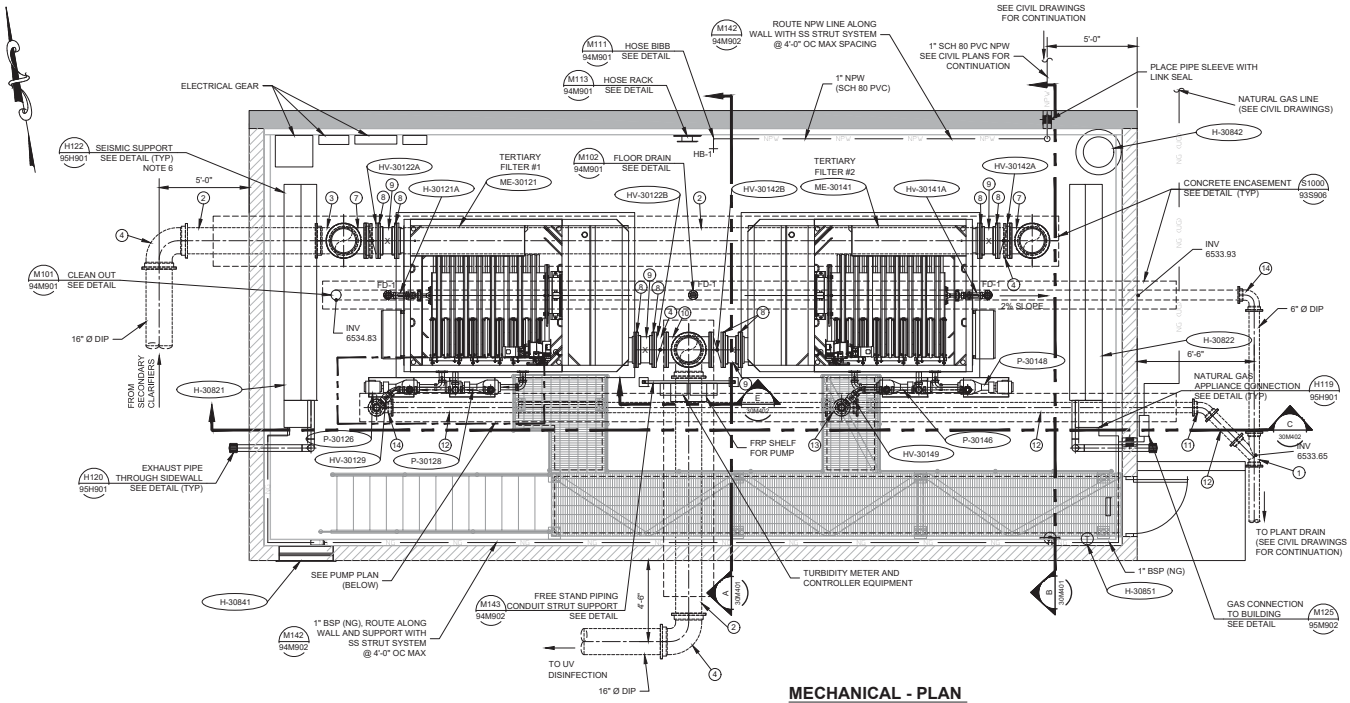
REVISIONS

NO.	DATE	BY

AS-BUILT INFORMATION
CONTRACTOR DATE
WORK COMPLETED DATE
ASSISTANCE BY DATE
REC'D FOR REVIEW DATE
COMMENTS BY DATE

BENCH MARKS

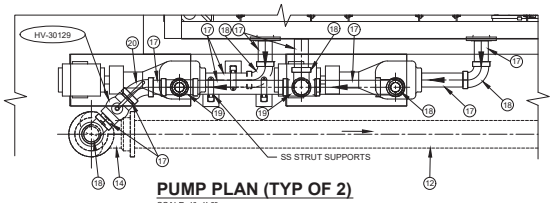
ENGINEER'S SEAL



MECHANICAL - PLAN

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet



PUMP PLAN (TYP OF 2)

SCALE: 1"=1'-0"

0 1 2
Scale in Feet

NOTES:

1- FOR MECHANICAL, PUMP, AND VALVE SCHEDULES REFER TO DRAWING 84M801.

2- INSTALL AND ANCHOR ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. VERIFY DIMENSIONS, SUPPORTS, WEIGHTS, AND DETAILS.

3- SEE ELECTRICAL DRAWINGS FOR LIGHTING AND INSTRUMENTATION REQUIREMENTS.

4- REFER TO PROTECTIVE COATING SCHEDULE IN DRAWING 82A801 AND TECHNICAL SPECIFICATIONS 098000, FOR STRUCTURE, PIPING, EQUIPMENT, AND MISCELLANEOUS COATING REQUIREMENTS.

5- FOR PIPING SCHEDULE, REFER TO DRAWING 30M401.

6- SUPPORT RADIANT HEATER PER MANUFACTURER'S REQUIREMENTS.

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

AQUA ENGINEERING
5151 W. GRAND BLVD. SUITE 270, ROCKWELL, UT 84119
PHONE: (801) 599-0027 FAX: (801) 599-0029

Bohannan Huston
www.bhinc.com 800.877.5332

LOS ALAMOS COUNTY
LAWWTP TERTIARY TREATMENT BUILDING
TERTIARY FILTER
MECHANICAL PLAN

BH PROJECT NO. 202200024 | DWG NO. 30M201 | SHEET 27 OF 54

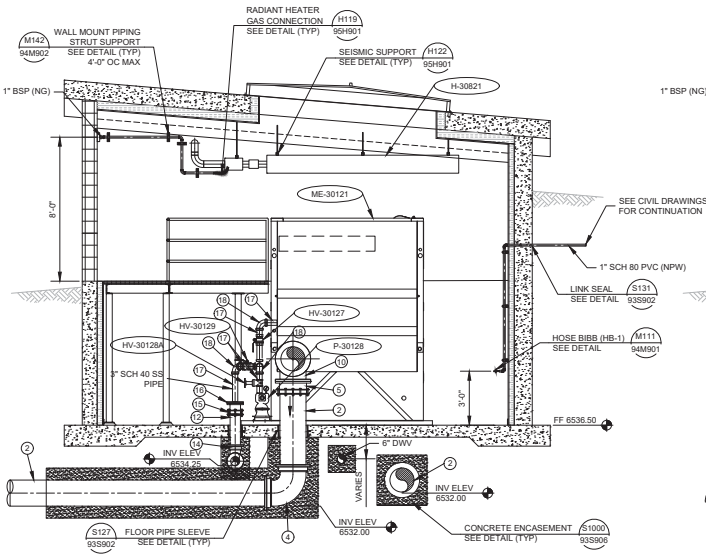
DESIGN: DESIGNED BY BP; CHECKED BY JRL; DRAWN BY AQUA

REVISIONS: NO. | DATE | BY

AS-BUILT INFORMATION: CONTRACTOR DATE; RPR DATE; CONSULTANT DATE; REC'D CITY/COUNTY DATE; SWMD REC'D DATE

ENGINEER'S SEAL

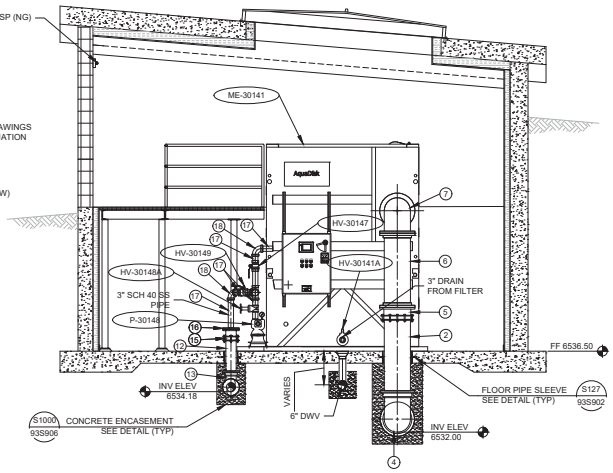
BENCH MARKS



SECTION A 30M201

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet



SECTION B 30M201

SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet

PIPE SCHEDULE				
NO.	DESCRIPTION	SIZE	JOINT	MATERIAL
1	WYE	6"	MJ	DIP
2	SPOOL	16"	PE	DIP
3	TEE	16"	MJ	DIP
4	90° BEND	16"	MJ	DIP
5	FLANGE COUPLING ADAPTER	16"	FLGxMJ	DIP
6	SPOOL	16"	FLG	DIP
7	90° BEND	16"	FLG	DIP
8	VICTAULIC FLANGE	16"	FLG	DIP
9	VICTAULIC SPOOL	16"	VIC	DIP
10	TEE	16"	FLG	DIP
11	45° BEND	6"	MJ	DIP
12	SPOOL	6"	PE	DIP
13	TEE	6"	MJ	DIP
14	90° BEND	6"	MJ	DIP
15	FLANGE COUPLING ADAPTER	6"	FLGxMJ	DIP
16	COMPANION FLANGE W/3" TAP	6"	FLG	DIP
17	SPOOL	3"	THD	SS
18	90° BEND	3"	THD	SS
19	TEE	3"	THD	SS
20	45° BEND	3"	THD	SS

NOTES:

1- FOR MECHANICAL, PUMP, AND VALVE SCHEDULES REFER TO DRAWING 84M801.

2- INSTALL AND ANCHOR ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. VERIFY DIMENSIONS, SUPPORTS, WEIGHTS, AND DETAILS.

3- SEE ELECTRICAL DRAWINGS FOR LIGHTING AND INSTRUMENTATION REQUIREMENTS.

4- REFER TO PROTECTIVE COATING SCHEDULE IN DRAWING 82A801 AND TECHNICAL SPECIFICATIONS 098000, FOR STRUCTURE, PIPING, EQUIPMENT, AND MISCELLANEOUS COATING REQUIREMENTS.

5- SUPPORT RADIANT HEATER PER MANUFACTURER'S REQUIREMENTS.

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

AQUA ENGINEERING
15114 JOHN S. TURNER CTR. ROUNDROCK, UT 84010
PHONE (801) 1-(844-TEST-ACE (801) 1-(844-TEST-223)

Bohannan Huston
www.bhinc.com 800.877.5332

LOS ALAMOS COUNTY
LAWWTP TERTIARY TREATMENT BUILDING
TERTIARY FILTER
MECHANICAL SECTION

BH PROJECT NO. 202200024
DWG NO. 30M401
SHEET 28 OF 54

DESIGN
DESIGNED BY BP
CHECKED BY JRL
DRAWN BY AQUA

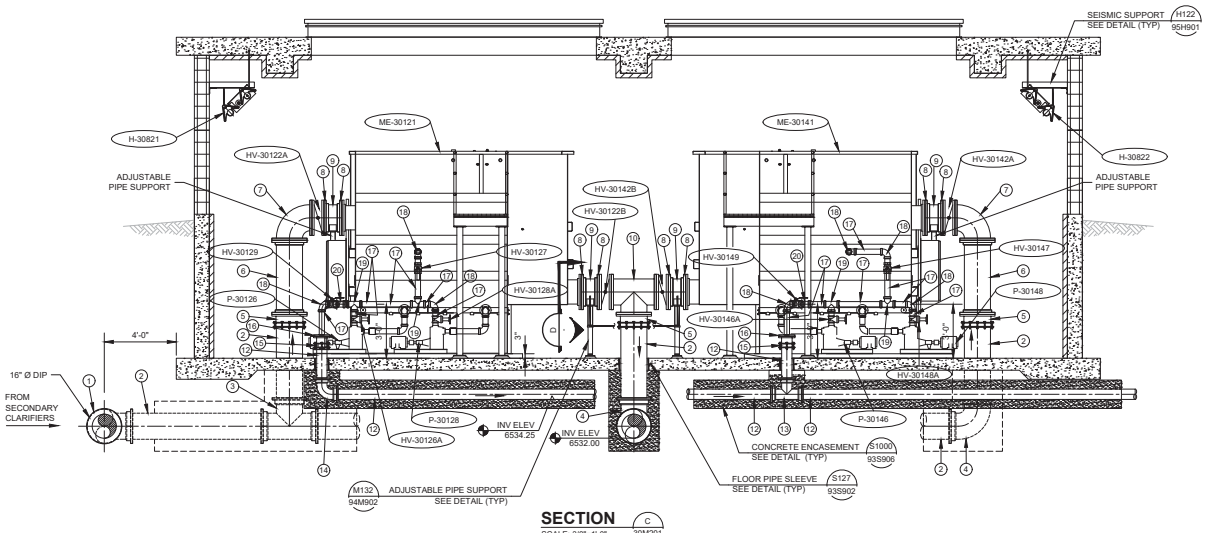
REVISIONS
NO. DATE BY

AS-BUILT INFORMATION
CONTRACTOR DATE
NPW DATE
CONSTRUCTION MANAGER DATE
REC'D AFTER NPW DATE
DRAWING CHANGE DATE

BENCH MARKS

ENGINEER'S SEAL

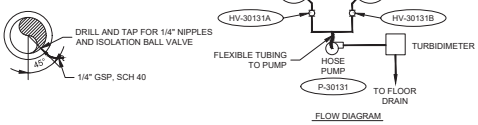
ATTACHMENT A



SECTION C 30M201

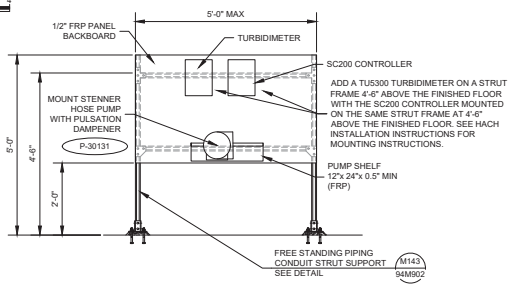
SCALE: 3/8"=1'-0"

0 2 4
Scale in Feet



SECTION D 30M201

SCALE: NTS



SECTION E 30M201

SCALE: NTS

NOTES:

1- FOR MECHANICAL, PUMP, AND VALVE SCHEDULES REFER TO DRAWING 84M801.

2- INSTALL AND ANCHOR ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. VERIFY DIMENSIONS, SUPPORTS, WEIGHTS, AND DETAILS.

3- SEE ELECTRICAL DRAWINGS FOR LIGHTING AND INSTRUMENTATION REQUIREMENTS.

4- REFER TO PROTECTIVE COATING SCHEDULE IN DRAWING 82A801 AND TECHNICAL SPECIFICATIONS 098000, FOR STRUCTURE, PIPING, EQUIPMENT, AND MISCELLANEOUS COATING REQUIREMENTS.

5- FOR PIPING SCHEDULE, REFER TO DRAWING 30M401.

6- SUPPORT RADIANT HEATER PER MANUFACTURER'S REQUIREMENTS.

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

BENCH MARKS

ENGINEER'S SEAL

AS-BUILT INFORMATION

CONTRACTOR	DATE	
WORK STARTED	DATE	
WORK ACCEPTED	DATE	
REC'D LTR FR OWNR	DATE	
DWG REC'D	DATE	

REVISIONS

NO.	DATE		BY

DESIGN

DESIGNED BY	BP	
CHECKED BY	JRL	
DRAWN BY	AQUA	

AQUA ENGINEERING
5775 W. GOOD EE TURFIC CTR, BOULDER, CO 80301
PHONE (877) 1-TRM-TEST FAX (877) 1-TRM-FEST

Bohannan Huston
www.bhinc.com 800.877.5332

LOS ALAMOS COUNTY
LAWWTP TERTIARY TREATMENT BUILDING
TERTIARY FILTER
MECHANICAL SECTION

BH PROJECT NO. 202200024 | DWG NO. 30M402 | SHEET 29 OF 54

Budget Revision 2022-60

DPU Board meeting **Council Meeting Date: May 24, 2022**

	Fund/Dept	Munis Org	Object	Revenue (decrease)	Expenditures (decrease)	Transfers In(Out)	Fund Balance (decrease)
	Utilities - Water Production Capital	54285699	8369		$ (324,088)		$ 324,088
	Utilities - WasteWater Capital	55185599	8369		$ 324,088		$ (324,088)

Description: The purpose of this budget revision is to reallocate ARPA funds previously allocated to Water Production giving spending authority to Wastewater, Filtration Building Project.

Fiscal Impact: No fiscal impact to Utilities Fund.

Yvette Atencio 5/10/2022

Preparer **Date**

Budget & Performance Manager

ATTACHMENT B

County of Los Alamos

Staff Report

May 18, 2022

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals): * 2022 Council Goal - Investing in Infrastructure; DPU FY2022 - 1.0 Provide Safe and Reliable Utility Services

Presenters: James Alarid, Deputy Utilities Manager - Engineering

Legislative File: **15588-22a**

Title

Award of theUtility Portion of Bid No. IFB22-59 for the Purpose of the Canyon Road Roadway and Utility Upgrades Project

Recommended Action

I move that the Board of Public Utilities approve the Utilities Portion of Bid No. 22-59 for the Purpose of Canyon Road Roadway and Utility Upgrades Project with TLC Plumbing and Heating in the Amount of $768,633.00, plus Applicable Gross Receipts Tax, and a contingency in the amount of $115,300.71, for a total project budget of $940,140.00, and forward to Council for Approval.

Utilities Manager Recommendation

The Utilities Manager recommends that the Board approve as presented.

Body

The project is a joint roadway and utilities project which will re-pave Canyon Road from Diamond Drive to Oppenheimer Drive. A total of 1,100 feet of 1950's waterline will be replaced, three electric conduit crossings will be installed and 700 feet of sewer mains below and adjacent to the road will be replaced. The waterlines are cast iron with lead joints which are vulnerable to the vibratory road compaction associated with the new road construction and are at the end of their service life. The sewers were video inspected and found to be cracked, have offset joints and severe root intrusion. These vitrified clay sewer lines will be replaced with new PVC pipes. New electric PVC conduit crossings will be installed in preparation for upcoming upgrades to the electric system in the area. TLC Plumbing and Heating was the only bidder on the project. These utility upgrades in Canyon Road are the planned Council profit share improvements for fiscal year 2022.

Alternatives

If the project is not approved the project will not be awarded. The project will be bid next year since there is not enough time re-bid this year and complete the work before winter.

Fiscal and Staff Impact/Planned Item

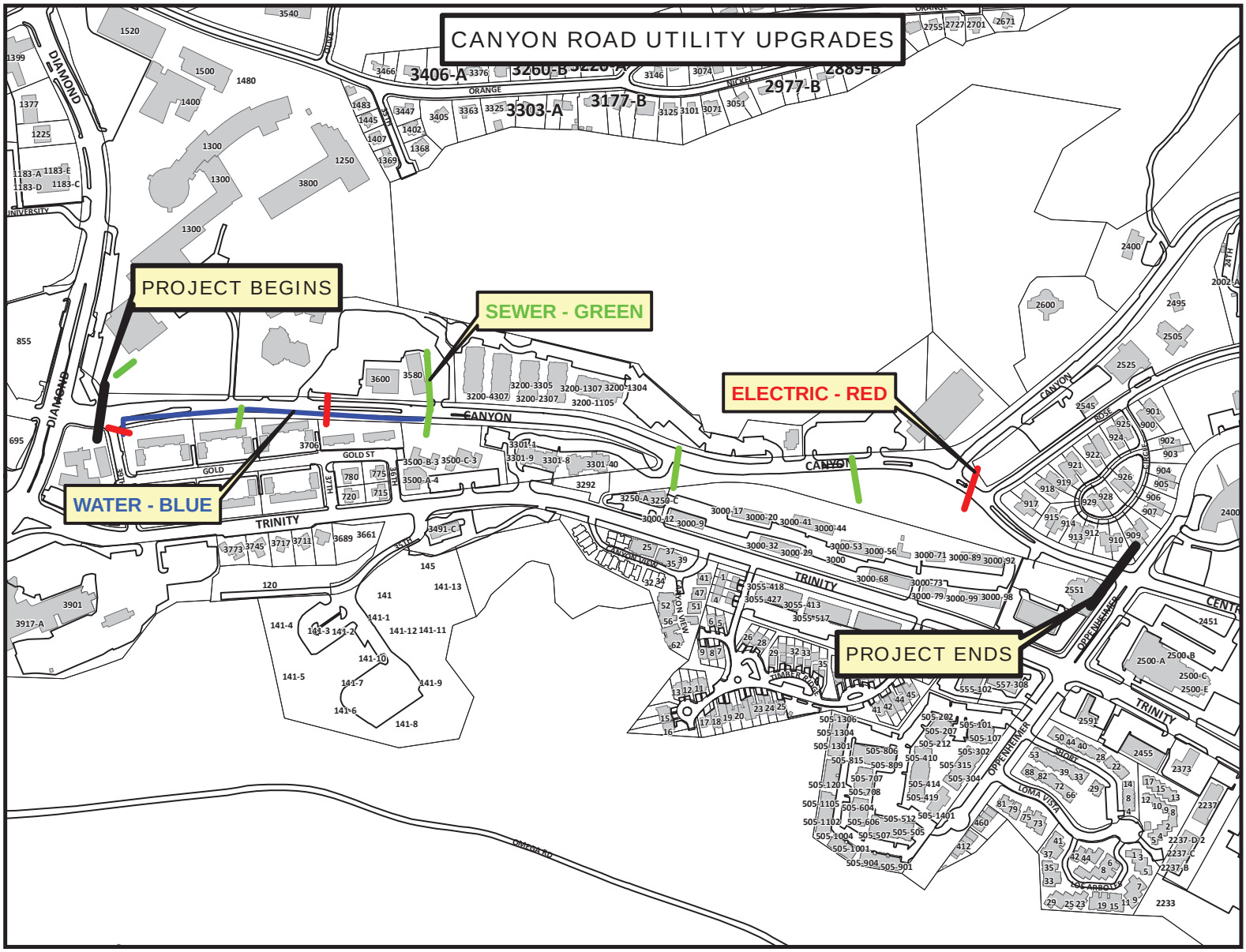
The project will be budgeted from approved capital funds and profit share funds as shown below.

Wastewater $470,070 - FY 2022 CIP $91,229.05 Canyon Road; FY 2022 Profit Share $378,840.95
Electric Distribution $75,211.20 - FY 2022 Profit Share
Water Distribution $394,858.80 - FY 2022 Profit Share

Note that the FY2022 profit share provided by Council to DPU was $848,910.95

Attachments

A - Canyon Road Vicinity Map



ATTACHMENT A

County of Los Alamos

Staff Report

May 18, 2022

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:	
Index (Council Goals):	DPU FY2020 - 4.0 Sustain a Capable, Satisfied, Engaged, Ethical and Safe Workforce Focused on Customer Service
Presenters:	Philo Shelton, Utilities Manager
Legislative File:	**15930-22**

Title

Discussion and Approval of Inflation and COVID Pay

Recommended Action

I move that the Board of Public Utilities approve the proposal as presented and forward to Council for final approval.

Utilities Manager Recommendation

The Utilities Manager recommends approval of the motion as presented.

Body

Background

The County's current work environment and our employees' compensation are currently being negatively impacted by both inflation and the ongoing impacts associated with the COVID pandemic. During the past few months, inflation has more than doubled and now has surpassed 8%. As part of this, fuel prices have almost doubled. COVID is still with us and continues to impact our work. In order to partially recognize and address these current impacts, we are proposing a one-time lump-sum Inflation and COVID payment. Because these factors tend to have a larger impact on lower paid employees as well as employees that commute from out of the County, the proposal recommends two tiers of payments, with the higher dollar amount provided to the tier more greatly impacted. In addition, there would be a third tier for temp and casual employees.

County Council gave Staff tentative approval of this proposal for non-union staff and direction for management to discuss with the exclusive representatives all 4 of our collective bargaining units about this concept and asked to return on May 24th to seek final approval from County Council. For DPU, both the International Brotherhood of Electrical Workers and the Plumbers and Pipefitters Unions have agreed to this proposal.

Proposal

Eligibility: Employees (regular, limited-term, temporary , and casual) that are active as of May 29th and remain active, and working or on approved leave, from May 29th through June 25th. The payments below are subject to tax withholding.

Tier 1 - $2,000
Non-Exempt Employees, and Exempt Employees with base salaries under $80,000.

Tier 2 - $1,000
Exempt Employees with base salaries of $80,000 or higher

Tier 3 - $250
Temporary and Casual

Alternatives
The BPU could choose to modify the suggested action or not move ahead with this item.

Fiscal and Staff Impact/Unplanned Item
There would be a small amount of staff time needed to process this as an additional pay. The estimated total cost as currently outlined is approximately $1,150,000 ($~570K General Fund, ~$280K Fire, ~$180K Utilities, ~$120K other funds). If approved by County Council on May 24th, the Utilities salary vacancy savings will cover the $180,000 required to implement this proposal and no budget revision would be required.

County of Los Alamos

Staff Report

May 18, 2022

Los Alamos, NM 87544
www.losalamosnm.us

Agenda No.:

Index (Council Goals):

Presenters: Philo Shelton, Utilities Manager

Legislative File: **15789-22**

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

Los Alamos County
Department of Public Utilities

Electric Distribution

Reliability

May 18, 2022

Stephen Marez
Electrical Engineering Manager

Twelve Month History	APRIL 2022	-
Total # Accounts	9045	-
Total # Interruptions	43	-
Sum Customer Interruption Durations	26057:06:00	hours:min
# Customers Interrupted	19342	
SAIFI (APPA AVG. = 1.0)	2.14	int./cust.
SAIDI (APPA AVG. = 1:00)	2:52	hours:min
CAIDI	1.20	hours:min/INT
ASAI	99.9986%	% available

- **SAIFI - System Average Interruption Frequency Index**
  A measure of interruptions per customer (Per Year)

  SAIFI= (Total number of customer interruptions) / (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)

  SAIDI= (Sum of all customer outage durations) / (Total number of customers served)

- **CAIDI – Customer Average Interruption Duration Index**
  A measure of the average outage duration per customer (hours per interruption)

  CAIDI= (Sum of all customer outage durations) / (Total number of customer interruptions) = SAIDI / SAIFI

- **ASAI – Average System Availability Index**
  A measure of the average service availability (Per unit)

  ASAI= (Service hours available) / (Customer demand hours) = 8760-SAIDI / 8760

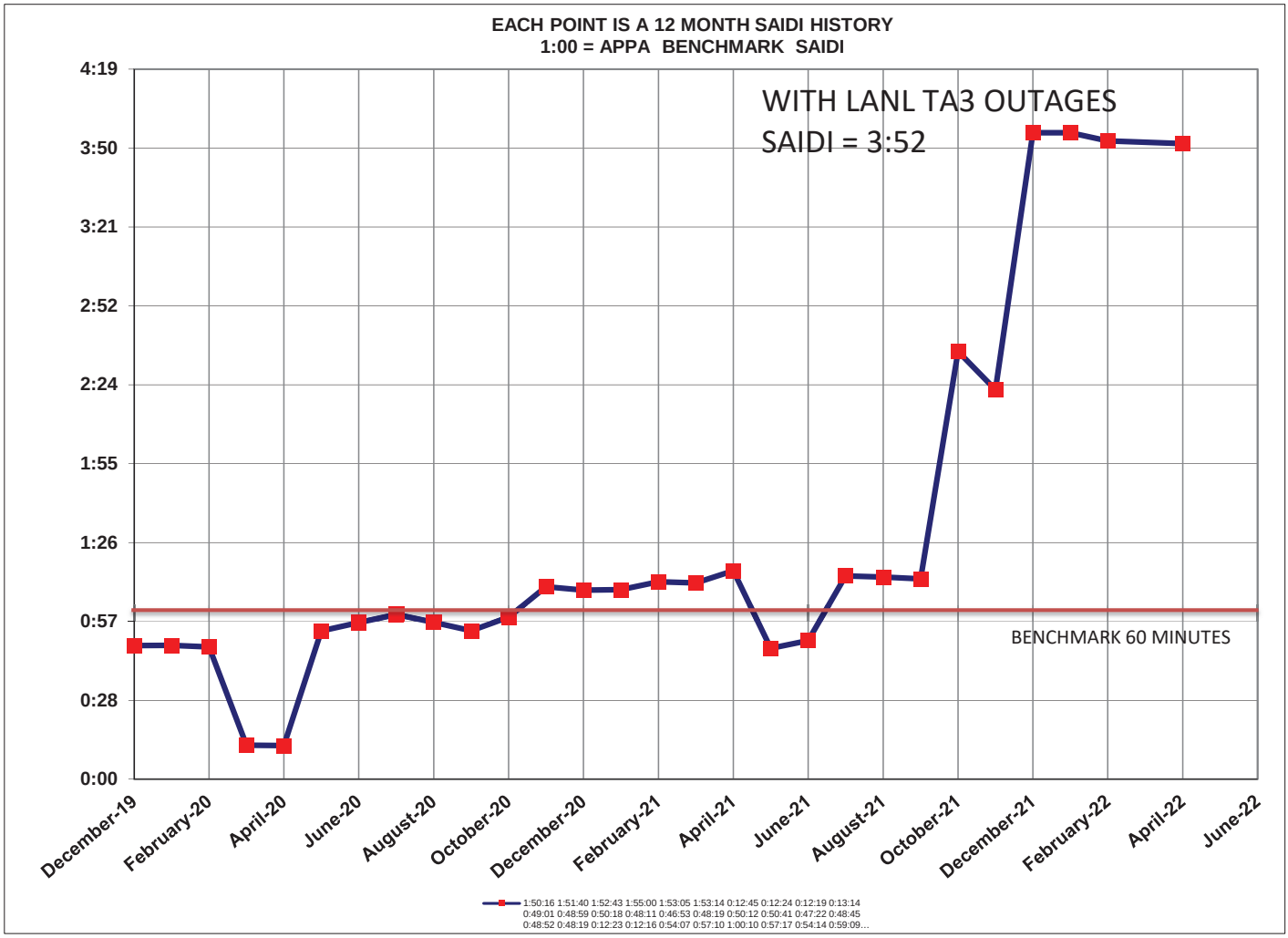
Electric Distribution Reliability Study
Twelve Month Outage History

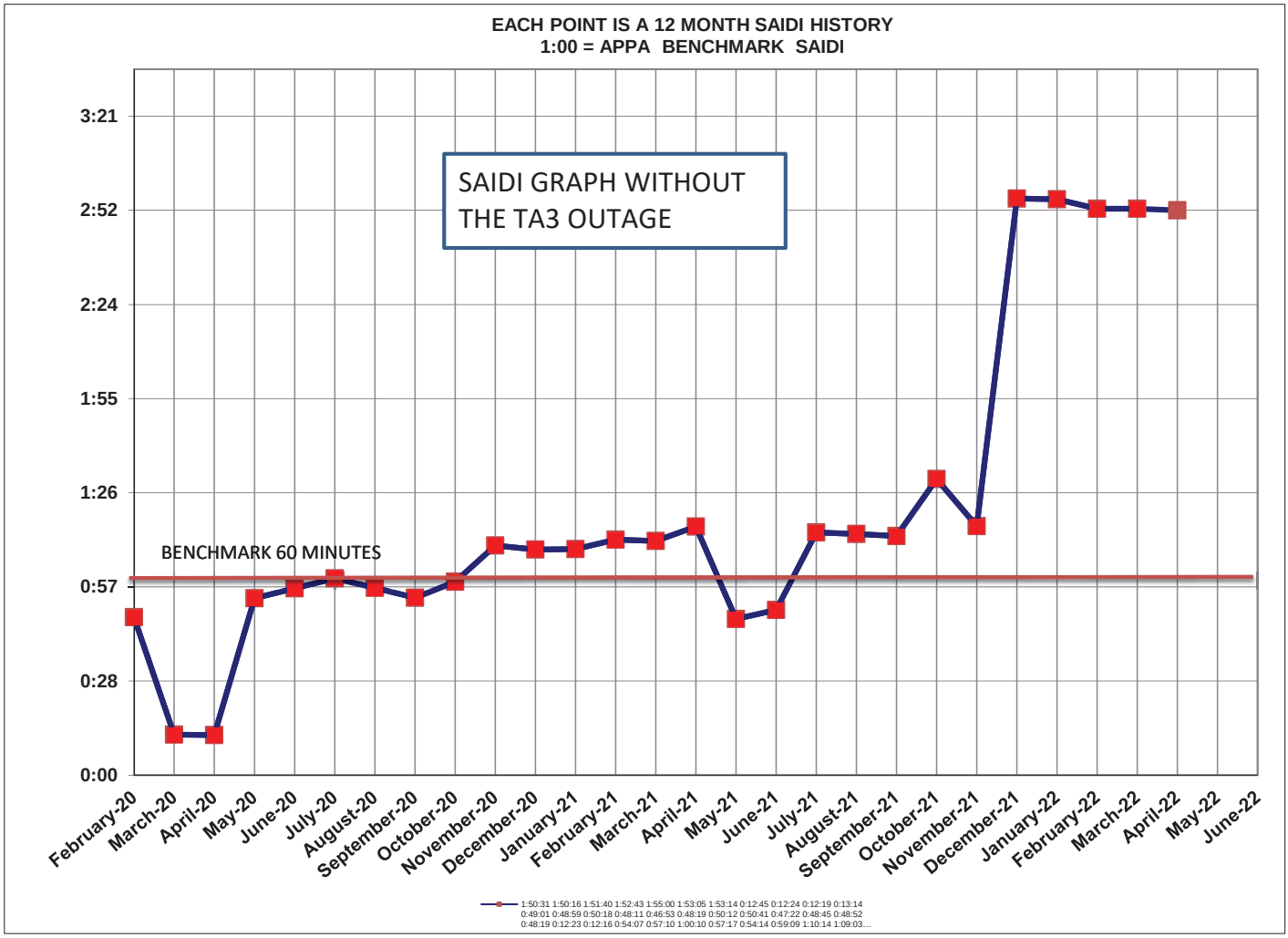
Prepared by Stephen Marez
Electrical Engineering Manager

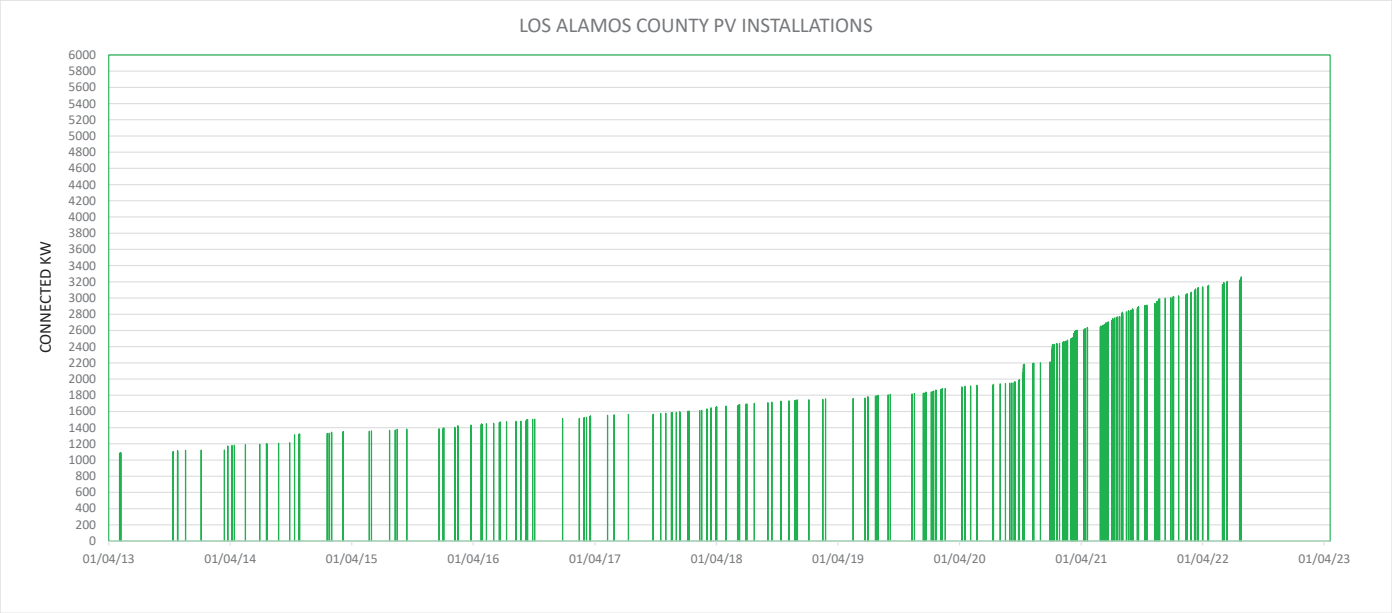
Date	Call Rcd.	Circuit	Cause	Start Time	End Time	Duration	Customers Affected (Meters)	Combined Customer Outage Durations	Total Outage H:M:S	Running SAIDI
5/16/2021	Utilites	WR1	UNKNOWN	10:30	12:00	1:30	5	7:30:00	7:30:00	0:00:03
5/18/2021	Utilites	14	URD Failure	16:00	19:00	3:00	2	6:00:00	13:30:00	0:00:05
5/22/2021	Utilites	EA-4	Weather	19:30	20:30	1:00	30	30:00:00	43:30:00	0:00:17
5/26/2021	Utilites	16	URD Failure	16:45	22:20	5:35	100	558:20:00	601:50:00	0:04:00
5/27/2021	Utilites	WR1	Weather	14:15	15:38	1:23	1586	2193:58:00	2795:48:00	0:18:33
6/5/2021	Utilites	15	ANIMAL	23:30	0:00	0:30	270	135:00:00	2930:48:00	0:19:26
6/5/2021	Utilites	15	ANIMAL	0:00	0:30	0:30	270	135:00:00	3065:48:00	0:20:20
6/17/2021	Utilites	16	URD Failure	18:35	21:30	2:55	3	8:45:00	3074:33:00	0:20:24
6/17/2021	Utilites	WR1	URD Failure	23:45	0:00	0:15	50	12:30:00	3087:03:00	0:20:29
6/17/2021	Utilites	WR1	URD Failure	0:00	2:30	2:30	50	125:00:00	3212:03:00	0:21:18
7/6/2021	Utilites	WR2	Unknown	10:45	11:45	1:00	25	25:00:00	3237:03:00	0:21:28
7/10/2021	Utilites	WR1	TREE	22:30	0:00	1:30	10	15:00:00	3252:03:00	0:21:34
7/10/2021	Utilites	14	Unknown	11:30	15:00	14:30	3	43:30:00	3295:33:00	0:21:52
7/17/2021	Utilites	WR2	Unknown	12:30	14:30	2:00	16	32:00:00	3327:33:00	0:22:04
7/18/2021	Utilites	13	URD Failure	22:30	0:00	1:30	13	19:30:00	3347:03:00	0:22:12
7/19/2021	Utilites	13	URD Failure	0:00	5:00	5:00	13	65:00:00	3412:03:00	0:22:38
7/22/2021	Utilites	13	URD Failure	18:30	19:10	0:40	5	3:20:00	3415:23:00	0:22:39
7/30/2021	Utilites	WR1	OH Failure	16:50	19:15	2:25	1586	3832:50:00	7248:13:00	0:48:05
8/25/2021	Utilites	WR1	URD Failure	16:30	18:30	2:00	20	40:00:00	7288:13:00	0:48:21
9/26/2021	Utilites	14	URD Failure	4:45	11:00	6:15	5	31:15:00	7319:28:00	0:48:33
9/29/2021	Utilites	16	TREE	19:45	23:40	3:55	5	19:35:00	7339:03:00	0:48:41
10/2/2021	Utilites	14	UNKNOWN	23:30	0:00	0:30	539	269:30:00	7608:33:00	0:50:28
10/2/2021	Utilities	14	UNKNOWN	0:00	1:00	1:00	539	539:00:00	8147:33:00	0:54:03
10/6/2021	Utilites	16	URD Failure	9:00	12:30	3:30	41	143:30:00	8291:03:00	0:55:00
10/13/2021	Utilites	16	URD Failure	17:00	21:00	4:00	50	200:00:00	8491:03:00	0:56:20
10/18/2021	Utilites	16	URD Failure	10:20	11:20	1:00	55	55:00:00	8546:03:00	0:56:41
10/19/2021	Utilites	14	URD Failure	2:23	6:00	3:37	19	68:43:00	8614:46:00	0:57:09
10/25/2021	Utilites	15	URD Failure	2:50	3:50	1:00	1564	1564:00:00	10178:46:00	1:07:31
10/25/2021	Utilites	15	URD Failure	2:50	3:50	1:00	47	47:00:00	10225:46:00	1:07:50
11/29/2021	Utilites	16	OH Failure	3:59	4:55	0:56	17	15:52:00	10241:38:00	1:07:56
12/15/2021	Utilites	14,17,18	WEATHER	6:30	8:30	2:00	2594	5188:00:00	15429:38:00	1:42:21
12/15/2021	Utilites	13	WEATHER	6:30	9:20	2:50	1655	4689:10:00	20118:48:00	2:13:27
12/15/2021	Utilites	TOWNSITE	WEATHER	15:23	15:32	0:09	4249	637:21:00	20756:09:00	2:17:41
12/15/2021	Utilites	13,SKI HILL	WEATHER	6:30	16:43	10:13	35	357:35:00	21113:44:00	2:20:03
12/22/2021	Utilites	13	URD Failure	6:30	8:40	2:10	1655	3585:50:00	24699:34:00	2:43:51
12/28/2021	Utilites	17	URD Failure	1:30	2:45	1:15	57	71:15:00	24770:49:00	2:44:19
1/1/2022	Utilites	16	WEATHER	16:50	17:10	0:20	1842	614:00:00	25384:49:00	2:48:23
2/14/2022	Utilites	18	HUMAN	9:34	9:49	0:15	213	53:15:00	25438:04:00	2:48:45
2/24/2022	Utilites	16	OH Failure	4:34	4:55	0:21	22	7:42:00	25445:46:00	2:48:48
3/22/2022	Utilites	16	TREE	21:30	0:00	2:30	6	15:00:00	25460:46:00	2:48:54
3/22/2022	Utilites	16	TREE	0:00	8:00	8:00	6	48:00:00	25508:46:00	2:49:13
3/22/2022	Utilites	13,SKI HILL	TREE	20:00	0:00	4:00	35	140:00:00	25648:46:00	2:50:08
3/22/2022	Utilites	13,SKI HILL	TREE	0:00	11:40	11:40	35	408:20:00	26057:06:00	2:52:51

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	Running SAIDI Circuit EA4 & Royal Crest	Running SAIDI Circuit WR1	Running SAIDI Circuit WR2	Monthly SAIDI		Monthly Customer Minutes out of service	WEATHER SAIDI
							0:00:17					
	0:00:40											
						0:10:55						0:00:12
			0:18:11						MAY	0:18:33	2795:48:00	
							1:23:00					0:14:33
		0:04:19										
		0:04:19										
			0:00:17									
							0:00:28					
							0:04:44		JUN	0:02:46	416:15:00	
								0:01:34				
							0:00:34					
	0:04:51											
							0:02:00					
0:00:42												
0:02:21												
0:00:07												
							3:59:18		JUL	0:26:46	4036:10:00	
							0:02:30		AUG	0:00:16	40:00:00	
	0:03:29											
			0:00:38						SEP	0:00:20	50:50:00	
	0:30:00											
	1:00:00											
			0:04:40									
			0:06:31									
	0:07:39											
		0:50:03										
		0:01:30							OCT	0:19:09	2886:43:00	
			0:00:31						NOV	0:00:06	15:52:00	
	9:37:31			24:49:23	24:21:25				DEC	0:34:25		
2:50:00										0:31:06		
0:23:06	1:10:57	0:20:24	0:20:46	3:02:58	2:59:32					0:04:14		
0:12:58										0:02:22		
2:10:00										0:23:47		
					0:20:27					0:00:28		
			0:20:00						JAN	0:04:04	15143:11:00	1:16:12
					0:15:00					0:00:21		
			0:00:15						FEB	0:00:03	60:57:00	
			0:00:29						APRIL	0:00:06		
			0:01:34							0:00:19		
0:05:05										0:00:56		
0:14:48										0:02:43	611:20:00	0:04:03
5:59:08	**12:35:06**	**1:20:35**	**1:13:53**	**3:52:21**	**3:56:24**	**0:10:55**	**5:32:51**	**0:01:34**	**Total**	**2:52:51**		**1:35:00**
1655	**539**	**1875**	**1842**	**209**	**213**	**165**	**1586**	**961**	**9045**			


EACH POINT IS A 12 MONTH SAIDI HISTORY
1:00 = APPA BENCHMARK SAIDI
WITH LANL TA3 OUTAGES
SAIDI = 3:52
BENCHMARK 60 MINUTES
4:19
3:50
3:21
2:52
2:24
1:55
1:26
0:57
0:28
0:00
December-19
February-20
April-20
June-20
August-20
October-20
December-20
February-21
April-21
June-21
August-21
October-21
December-21
February-22
April-22
June-22
1:50:16 1:51:40 1:52:43 1:55:00 1:53:05 1:53:14 0:12:45 0:12:24 0:12:19 0:13:14
0:49:01 0:48:59 0:50:18 0:48:11 0:46:53 0:48:19 0:50:12 0:50:41 0:47:22 0:48:45
0:48:52 0:48:19 0:12:23 0:12:16 0:54:07 0:57:10 1:00:10 0:57:17 0:54:14 0:59:09...


EACH POINT IS A 12 MONTH SAIDI HISTORY
1:00 = APPA BENCHMARK SAIDI
SAIDI GRAPH WITHOUT THE TA3 OUTAGE
BENCHMARK 60 MINUTES
3:21
2:52
2:24
1:55
1:26
0:57
0:28
0:00
February-20
March-20
April-20
May-20
June-20
July-20
August-20
September-20
October-20
November-20
December-20
January-21
February-21
March-21
April-21
May-21
June-21
July-21
August-21
September-21
October-21
November-21
December-21
January-22
February-22
March-22
April-22
May-22
June-22
1:50:31 1:50:16 1:51:40 1:52:43 1:55:00 1:53:05 1:53:14 0:12:45 0:12:24 0:12:19 0:13:14
0:49:01 0:48:59 0:50:18 0:48:11 0:46:53 0:48:19 0:50:12 0:50:41 0:47:22 0:48:45 0:48:52
0:48:19 0:12:23 0:12:16 0:54:07 0:57:10 1:00:10 0:57:17 0:54:14 0:59:09 1:10:14 1:09:03...


LOS ALAMOS COUNTY PV INSTALLATIONS
CONNECTED KW
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
01/04/13
01/04/14
01/04/15
01/04/16
01/04/17
01/04/18
01/04/19
01/04/20
01/04/21
01/04/22
01/04/23

STATUS REPORTS

ACCOUNTS RECEIVABLES

PREPARED BY

Joann Gentry
Senior Management Analyst

Los Alamos County Utilities Department
Active Receivables Over 90 Days Past Due
May 2, 2022

Account	Customer ID	Acct Type	Comments	90 - 119	120 +
3007352	2200195	RS	Paid $375.79 on 5/6/022	$ -	$ 135.71
3002911	2030608	RS	Payment arrangement of file	$ 205.08	$ -
3006524	2020475	RS	Lien on file with County Clerks	$ 217.14	$ -
3001510	2136448	CM	Payment arrangement of file	$ 79.32	$ 153.83
3005884	2132528	RS	Previous balance account went active 4/30/22	$ -	$ 234.19
3007256	2022141	RS	Lien on file with County Clerks	$ -	$ 330.75
3006873	2026060	RS	Paid $1,145.75 5/10/22	$ -	$ 431.77
3004103	2215201	RS	Payment arrangement of file	$ 335.04	$ 115.02
3006217	2215655	RS	Paid $817.11 on 5/6/22	$ -	$ 716.62
3006513	2036208	RS	Payment arrangement of file	$ 373.62	$ 506.94
3200214	2029758	RS	Unable to secure payment arrangment, working with customer to pay	$ -	$ 908.61
3200220	2127698	RS	Paid account in full 5/2/22	$ -	$ 959.70
3002801	2112548	RS	Disconnection issued on 5/11/22	$ 298.23	$ 809.62
				$ 1,508.43	**$ 5,302.76**
13 Accounts					**$ 6,811.19**

Los Alamos County Utilities Department
Receivables More than 60 Days Inactive Accounts
May 2, 2022

YEAR	OUTSTANDING 5/2	# OF ACCOUNTS	OUTSTANDING 4/1	# OF ACCOUNTS
FY18	$ 15,733.21	80	$ 16,387.18	84
FY19	$ 40,756.28	151	$ 46,735.39	160
FY20	$ 32,774.77	127	$ 35,843.09	135
FY21	$ 33,995.58	233	$ 39,826.21	250
FY22	$ 10,380.38	236	$ 12,175.05	199
TOTAL	**$ 133,640.22**	**827**	**$ 150,966.92**	**828**

YEAR	Account Type	OUTSTANDING 5/2	# OF ACCOUNTS	OUTSTANDING 4/1	# OF ACCOUNTS
FY18	Residential	$ 11,151.47	74	$ 11,805.44	78
	Commercial	$ 4,581.74	6	$ 4,581.74	6
FY19	Residential	$ 38,175.94	133	$ 44,155.05	142
	Commercial	$ 2,580.34	18	$ 2,580.34	18
FY20	Residential	$ 26,307.08	121	$ 28,127.05	126
	Commercial	$ 6,467.69	6	$ 7,716.04	9
FY21	Residential	$ 27,087.47	216	$ 30,076.45	241
	Commercial	$ 6,908.11	17	$ 9,749.76	9
FY22	Residential	$ 10,885.43	229	$ 11,710.79	193
	Commercial	$ (505.05)	7	$ 464.26	6
TOTAL		**$ 133,640.22**	**827**	**$ 150,966.92**	**828**

STATUS REPORTS

Risk & Safety

PREPARED BY

Steve Klepeis
Risk Manager

LOS ALAMOS COUNTY - RISK MANAGEMENT

MONTH	ADMIN	EL DIST	EL PROD	GWS	WA PROD	WWTP
	Hours Worked	Hours Worked	Hours Worked	Hours Worked	Hours Worked	Hours Worked
Jan - 2022	2832.0	1385.0	1957.0	3124.0	966.0	1242.0
Feb - 2022	3618.0	1799.0	2117.0	2958.0	1124.0	1304.0
Mar - 2022	3501.0	1631.0	1952.0	3245.0	1208.0	1343.0
Apr - 2021	3722.0	1886.0	1922.0	4009.0	1313.0	1380.0
May - 2021	3653.0	1914.0	1944.0	4286.0	1268.0	1326.0
June - 2021	3638.0	1732.0	1823.0	3818.0	1299.0	1378.0
July - 2021	5803.0	2757.0	2901.0	5429.0	1924.0	2039.0
Aug - 2021	3801.0	1938.0	1850.0	4033.0	1351.0	1346.0
Sept - 2021	3474.0	1714.0	1784.0	3766.0	1281.0	1368.0
Oct - 2021	3502.0	1846.0	1896.0	3996.0	1322.0	1394.0
Nov - 2021	3220.0	1612.0	1764.0	3704.0	1192.0	1333.0
Dec - 2021	4336.0	2131.0	2935.0	5393.0	1630.0	1862.0
Total Hrs Worked ->	**45100.0**	**22345.0**	**24845.0**	**47761.0**	**15878.0**	**17315.0**
Number of Recordable Injury and Illness Cases*	0	1	0	0	0	0
OSHA Recordable Injury & Illness Incidence Rate	0.00	8.95	0.00	0.00	0.00	0.00
Number of OSHA Days Away Days Restricted (DART) cases	0	1	0	0	0	0
OSHA Days Away Days Restricted (DART) Rate	0.00	8.95	0.00	0.00	0.00	0.00

THE ONE INJURY WAS A SLIP AND FALL ON ICE. EMPLOYEE IS WORKING WITH MILD RESTRICTIONS.

INJURIES REQUIRING MEDICAL ATTENTION BEYOND FIRST AID ARE REQUIRED TO BE CONSIDERED OSHA RECORDABLE INJURIES , RETAINED IN THIS RECORD FOR 1 YEAR, REGARDLESS OF HOW MINOR THEY MAY BE.

DEPARTMENT OF PUBLIC UTILITIES CLAIMS

Information Provided by the County Risk Manager

YEAR	REPORT MONTH	BPU MTG DATE	TORT CLAIMS	WORKERS COMP	PROPERTY DAMAGE
2022	APR	5/18/2022	NONE	NONE	NONE
2022	MAR	4/20/2022	NONE	NONE	1. WP employee accidentally broke window of truck. 2. GWS Backhoe front bucket apparatus came loose, damaged hood of machine.
2022	FEB	3/16/2022	Claimant alleges property damage due to water line leak. Minor.	NONE	NONE
2022	JAN	2/16/2022	There were no Utilities related tort claims filed with regard to any January incidents.	An Electrical Distribution employee slipped and fell on parking lot ice; currently working with restrictions.	A GWS employee backing into space lost control of his personal vehicle, struck NE corner of Bldg. 5, causing significant damage. Employee provided insurance information. Risk will recover damages for the County.
2021	DEC	1/19/2022	NONE	NONE	NONE
2021	NOV	12/15/2021	NONE	NONE	NONE
2021	OCT	11/17/21	Claimant alleges furnace dame as result of replacement of gas meter.	NONE	NONE
2021	SEP	10/20/21	1. Claimant states damage to various fixtures in building new filtration system was installed 2. Claimant states gas leak to regulator caused damage to GLR-04	NONE	NONE
2021	AUG	09/15/21	NONE	NONE	NONE
2021	JUL	08/18/21	NONE	NONE	NONE
2021	JUN	07/21/21	NONE	NONE	NONE
2021	MAY	06/16/21	NONE	NONE	NONE
2021	APR	05/19/21	NONE	NONE	NONE
2021	MAR	04/21/21	NONE	NONE	NONE
2021	FEB	03/17/21	1. GWS employee backed into parked unoccupied motorist's vehicle. 2. GWS snowplow slid into motorist under icy conditions.	An ED employee slipped and fell on ice; injured right wrist/hand; able to return to work with no lost days.	A GWS employee backed into a shed at the Aquatic Center. GWS is repairing damage.

DEPARTMENT OF PUBLIC UTILITIES CLAIMS

Information Provided by the County Risk Manager

YEAR	REPORT MONTH	BPU MTG DATE	TORT CLAIMS	WORKERS COMP	PROPERTY DAMAGE
2021	JAN	02/24/21	NONE	NONE	1. A GWS employee misjudged backing clearance and backed vehicle 1113 into 1202, with minor damage. 2. A Utilities EP Hydro employee misjudged backing clearance and backed vehicle 1242 into a parked snow plow, resulting only in a small hole in 1242 tailgate. Winter weather conditions
2020	DEC	01/20/21	On DP Road, GWS driver making turn misjudged clearance and struck a support leg of a flagging machine owned by Southwest Safety; $3800+- damage claimed.	NONE	NONE
2020	NOV	12/16/20	Claimant alleges that lightning struck a County utility pole causing a voltage surge that damaged his computer. Recommended for denial.	NONE	Claim in which a Utilities employee reported that the toolbox slid in the truck he was driving, and it broke the truck's rear window.
2020	OCT	11/18/20	Claim involving Electrical Distribution: a claimant alleges that home appliances were damaged due to a failure of their neutral conductor, causing voltage overload in part of their electrical panel. ED has responded that the County has no way of knowing or predicting that a house service conductor will fail. Claim has been recommended for denial.	NONE	NONE
2020	SEP	10/21/20	NONE	A lineman fractured/lacerated his right middle finger when removing a heavy manhole cover; returned to duty same day.	NONE
2020	AUG	09/16/20	Resident and her insurer claim sewer back-up damage due to County main problem	GWS worker using high pressure wand; wand slipped, causing contact and skin abrasion to wrist.	NONE
2020	JUL	08/19/20	Water main repair caused debris to enter residence plumbing, clogging house facilities; plumber's bill claimed.	NONE	Break-in reported at El Vado. Damage and theft of federally owned property being stored on premises; no damage or theft to County.
2020	JUN	07/15/20	A claimant experienced water damage to his residence due to a County water line leak.	Lineman lacerated his hand using a knife to splice cable (6/8/2020)	NONE
2020	MAY	06/17/20	NONE	NONE	NONE
2020	APR	05/20/20	NONE	NONE	NONE

DEPARTMENT OF PUBLIC UTILITIES CLAIMS

Information Provided by the County Risk Manager

YEAR	REPORT MONTH	BPU MTG DATE	TORT CLAIMS	WORKERS COMP	PROPERTY DAMAGE
2020	MAR	04/15/20	NONE	NONE	NONE
2020	FEB	03/18/20	NONE	NONE	NONE
2020	JAN	02/19/20	Resident incurred plumber bill; didn't know outage was due to main break.	NONE	NONE