TUOLUMNE UTILITIES DISTRICT
18885 NUGGET BLVD ● SONORA, CA 95370
(209) 532-5536 ● Fax (209) 536-6485

DIRECTORS
Barbara Balen
David Boatright
Jeff Kerns
Lisa Murphy
Ron W. Ringen

Regular Board Meeting Agenda
Tuesday, May 25, 2021 - 9:00 a.m.
TUD Board Room
18885 Nugget Blvd., Sonora, California

In order to protect public health and the safety of our Tuolumne Utilities District ratepayers and members of the public against the COVID-19 pandemic, the TUD office and Board Meetings are physically closed to the public. Please see paragraphs below for additional information.

Notice: This meeting will be held in accordance with Executive Order N-29-20, issued by California Governor Gavin Newsom on March 17, 2020, the Ralph M. Brown Act (California Government Code Section 54950, et seq.), and the Federal Americans with Disabilities Act. No physical public meeting location will be provided for this meeting. Instead, the Board will hold this meeting telephonically using Zoom. All members of the public may observe and participate in the meeting:

- **Via video conferencing at: https://us02web.zoom.us/j/83759139298?pwd=OWJtaThrMENjTWo0Vk5Ea1lrVVFyZz09**
- **Via teleconference by calling (253) 215-8782 or (301) 715-8592**
- **US Meeting ID: 837 5913 9298**
- **Password: 683492**
- **Public may also observe and listen to this meeting through the District's website at https://tudwater.com/board-of-directors/meeting-agenda-minutes-video/**
  Or on TUD's YouTube Channel at Tuolumne Utilities District - YouTube

Call to Order

Pledge of Allegiance

I. **Public Forum** - (5 minutes per item maximum) We would like to welcome the members of the public who have taken the time to attend this meeting and provide comments on matters related to District business. Any member of the public may address the Board relating to any matter within the Board's jurisdiction. This need not be related to any item on the agenda; however, the Board cannot act on an item unless it was noticed on the agenda. Persons speaking during the Public Comment will be limited to five (5) minutes or depending on the number of persons wishing to speak, it may be reduced to allow all members of the public the opportunity to address the Board.

II. **Consent Calendar**

1. Minutes of the Regular Board Meeting of May 11, 2021 and Special Board Meetings of May 6, May 12, and May 18, 2021

III. **Regular Business**

2. Consider adopting a Resolution approving the request for variance from Water Rules and Regulations Sections 6.02 and 8.01 and Wastewater Section 3.01 Regarding Service to two Non-Adjacent Parcels – Palhegyi
3. Board to Review and Possibly Take Action to Approve the Proposed Public Outreach Video Series and Partnership with Columbia College
4. Board to Hear an Update on the Water Supply
5. Operational Update on the Water and Wastewater Departments for April 2021

IV. **Staff Reports**

V. **Directors Communication and Reports**

VI. **Closed Session**

a. Public Employee Appointment
Title: Interim General Manager

VII. **Reconvene to Open Session**

b. Closed Session Disclosure

Adjournment

Note: *Agenda Material can be inspected at the District Office located at 18885 Nugget Blvd., Sonora, CA and on our website at www.tudwater.com.*

Board Policy limits Board meetings to a duration of three (3) hours; however, the Board may consider whether to extend the meeting beyond three (3) hours by majority vote.

In accordance with the Americans with Disabilities Act, if you need special assistance (i.e. auxiliary aids or services) in order to participate in this public meeting, please contact the Clerk of the Board, Melissa McMullen, and (209) 532-5536 ext. 510. Notifications 48 hours prior to the start of the meeting will enable the Clerk to make reasonable accommodations to ensure accessibility to this public meeting.

TUOLUMNE UTILITIES DISTRICT

Agenda Item No.II.1

MEMORANDUM

Board Meeting of May 25, 2021

To:	Tuolumne Utilities District Board of Directors
From:	Melissa McMullen, Executive Secretary/Board Clerk
Agenda Section:	Consent Calendar
Subject:	Minutes of the Regular Board Meeting of May 11, 2021 and Special Board Meetings of May 6, May 12, and May 18, 2021

Summary

Recommendation:

Approve the minutes as presented.

Issue: N/A

Fiscal Impact: N/A

Previously Related Action: N/A

Committee Status: N/A

Adherence to Policy: N/A

Discussion

Attachments:

- May 11, 2021 Regular Board Meeting Minutes
- May 6, May 12, and May 18, 2021 Special Board Meeting Minutes

Board Action:	Resolution No. _____	Motion by _____ Second by _____
	Ayes: _____	Noes: _____
	Absent: _____	Abstained: _____ Recuse: _____

TUOLUMNE UTILITIES DISTRICT
SPECIAL MEETING MINUTES
MAY 6, 2021

A special meeting of the Board of Directors of Tuolumne Utilities District convened at 9:00 a.m. at the District Office, 18885 Nugget Blvd., Sonora, California.

This meeting was held in accordance with Executive Order N-29-20, issued by California Governor Gavin Newsom on March 17, 2020, the Ralph M. Brown Act (California Government Code Section 54950, et seq.), and the Federal Americans with Disabilities Act. No physical public meeting location was provided for this meeting. Instead, the Board held this meeting telephonically using Zoom. Members of the public were able to speak and provide oral comments during the meeting.

A verbal roll call was conducted by Melissa McMullen, Board Clerk.

The following Directors and staff were present:

Director Balen, President
Director Ringen, Vice President
Director Boatright
Director Kerns
Director Murphy

Erik Johnson, District Engineer
Don Perkins, Operations Director
Abby Parcon, Administrative Services Director
Melissa McMullen, Executive Secretary/Board Clerk

Call to Order

Pledge of Allegiance

I. Public Forum

No public comment was heard.

II. Regular Business

1. Board to Discuss, Identify, and Prioritize the Legislative Advocacy Multi-Benefit Objectives (Health & Safety, Culture & Enrichment, Environment, Economy) for 2021

Abby Parcon introduced Lisa Beutler, Executive Facilitator from Stantec. Lisa Beutler specializes in helping organizations and communities reach decisions and create effective public policy. After a decade as the Associate Director of the Sacramento State University Center for Collaborative Policy she moved to a global design and engineering firm. At Stantec she helps clients with strategic thinking, collaborative policy, and water resources and other planning.

Lisa Beutler presented the Workshop Format
-Prioritization Criteria
-Multi-Benefit Development
-Advocacy Priorities

Board and staff reviewed the Proposed 2021 Advocacy Priorities
-New Sonora Water Treatment Facility Consolidation Project
-PG&E Water Supply/Hydropower Project Acquisition

-Phoenix Lake Restoration Project
-Phoenix Project (FERC 1061) Relicensing
-Sierra Pines Water Treatment Facility Consolidation Project
-Solar Power Infrastructure
-Tribal Partnerships for Fire/Water Infrastructure Priorities
-USBR New Melones Contract/Agreement

Public comment was heard.

Lisa Beutler will provide meeting notes to Board and staff from the facilitated meeting. Board and staff will continue to work towards the identified priorities.

Adjournment

The meeting was adjourned at 12:06 p.m.

Date: May 25, 2021

ATTEST:

Barbara Balen, President
Board of Directors

Melissa McMullen,
Executive Secretary/Board Clerk

TUOLUMNE UTILITIES DISTRICT
REGULAR MEETING MINUTES
MAY 11, 2021

A regular meeting of the Board of Directors of Tuolumne Utilities District convened at 9:00 a.m. at the District Office, 18885 Nugget Blvd., Sonora, California.

This meeting was held in accordance with Executive Order N-29-20, issued by California Governor Gavin Newsom on March 17, 2020, the Ralph M. Brown Act (California Government Code Section 54950, et seq.), and the Federal Americans with Disabilities Act. No physical public meeting location was provided for this meeting. Instead, the Board held this meeting telephonically using Zoom. Members of the public were able to speak and provide oral comments during the meeting.

A verbal roll call was conducted by Melissa McMullen, Board Clerk.

Melissa McMullen, Board Clerk, conducted all voting by verbal roll call.

The following Directors and staff were present:

Director Balen, President
Director Ringen, Vice President
Director Boatright
Director Kerns
Director Murphy

Erik Johnson, District Engineer
Don Perkins, Operations Director
Steve Sheffield, Finance Director
Abby Parcon, Administrative Services Director
Melissa McMullen, Executive Secretary/Board Clerk

Call to Order
Pledge of Allegiance

I. Public Forum

Michael Allen addressed the Board regarding water conservation in Tuolumne County.

II. Consent Calendar

1. Minutes of the Regular Board Meeting of April 27, 2021

2. Approval of Reimbursement Claims for Directors Statement of Meetings Attended and/or Travel Expenses, Claim Summary, and General Manager Requisition Approval Report for April 2021

Director Kerns moved to approve the Consent Calendar. Director Boatright seconded the motion and it was approved unanimously.

III. Regular Business

3. Board to Discuss and Take Action to Recognize Jimmy Hockett on his retirement from Tuolumne Utilities District on May 14, 2021

Abby Parcon presented the Resolution recognizing Jimmy Hockett on this retirement from Tuolumne Utilities District on May 14, 2021.

Board and staff expressed their appreciation to Jimmy Hockett for his years of service and dedication to the District.

No public comment was heard.

Director Boatright moved to adopt Resolution No. 7-21 Recognizing Jimmy Hockett on his retirement from Tuolumne Utilities District on May 14, 2021. Director Ringen, Vice President seconded the motion and it was approved unanimously.

4. Discuss and Possibly Execute an Agreement with United Pavement Maintenance, Inc. for the 2021 Districtwide Hot Mix Asphalt Trench Paving Project

Erik Johnson presented a summarization on the request to execute an agreement with United Pavement Maintenance Ins. for the 2021 Districtwide Hot Mix Asphalt Trench Paving Project and responded to questions.

No public comment was heard.

Director Kerns moved to authorize the Board President to execute an agreement with United Paving Maintenance, Inc. in the amount of $143,579.00 for the 2021 Districtwide Hot Mix Asphalt Trench Paving Project and authorize the District Engineer to approve change orders that when added to the original contract value do not exceed the proposed FY22 budget amount of $170,000. Director Murphy seconded the motion and it was approved unanimously.

IV. Staff Reports

Don Perkins reported on following items:
-Governor Gavin Newsom declared a State of Emergency for California due to current drought conditions

Steve Sheffield reported on the following items:
-United States Department of Agriculture (USDA) June 1, 2021 Bid Opening and future process

Abby Parcon reported on the following items:
-Read emails that she received on May 5, 2021 expressing appreciation for staff regarding the main line break on May 4, 2021

V. Directors Communication and Reports

Director Kerns reported on the following items:
-May 10, 2021: ACWA JPIA Board of Directors meeting

Director Ringen reported on the following items:
-April 28, 2021: Participated in the Sierra Nevada Regional Workshop
-April 29, 2021: Mountain Counties Water Resources Association (MCWRA) Legislative Committee meeting
-April 29, 2021: Attended the Human Resources/External Relations Committee meeting as an observer

Director Boatright reported on the following items:
April 29, 2021: Attended the TUD pre-bid meeting for the Sonora Regional Wastewater Treatment Plant

Director Murphy reported on the following items:
-April 29, 2021: Attended the Human Resources/External Relations Committee meeting

Director Balen reported on the following items:
-April 29, 2021: Attended the Human Resources/External Relations Committee meeting
-April 29, 2021: Meeting with Supervisor Campbell
-May 14, 2021: Mountain Counties Water Resources Association (MCWRA) meeting

President Balen recessed the meeting to Closed Session at 10:28 a.m.

VI. Closed Session

a. Public Employee Appointment Title: Interim General Manager

VII. Reconvene to Open Session

b. Closed Session Disclosure

President Balen reconvened the meeting to Open Session at 1:10 p.m. with no reportable action taken during Closed Session.

Adjournment

The meeting was adjourned at 1:10 p.m.

Date: May 25, 2021

ATTEST:

Barbara Balen, President
Board of Directors

Melissa McMullen,
Executive Secretary/Board Clerk

TUOLUMNE UTILITIES DISTRICT
SPECIAL MEETING MINUTES
MAY 12, 2021

A special meeting of the Board of Directors of Tuolumne Utilities District convened at 1:00 p.m. at the District Office, 18885 Nugget Blvd., Sonora, California.

This meeting was held in accordance with Executive Order N-29-20, issued by California Governor Gavin Newsom on March 17, 2020, the Ralph M. Brown Act (California Government Code Section 54950, et seq.), and the Federal Americans with Disabilities Act. No physical public meeting location was provided for this meeting. Instead, the Board held this meeting telephonically using Zoom. Members of the public were able to speak and provide oral comments during the meeting.

A verbal roll call was conducted by Melissa McMullen, Board Clerk.

The following Directors and staff were present:

Director Balen, President
Director Ringen, Vice President
Director Boatright
Director Kerns
Director Murphy

Erik Johnson, District Engineer
Steve Sheffield, Finance Director
Melissa McMullen, Executive Secretary/Board Clerk
Jesse Barton, District Counsel

Call to Order

Pledge of Allegiance

I. Public Forum

No public comment was heard.

II. Closed Session

Director Kerns recused himself from Item (b) during Closed Session because his business has provided services to the party listed.

President Balen recessed the meeting to Closed Session at 1:06 p.m.

a. Conference with Real Property Negotiators
Pursuant to Government Code Section 54956.8
Property: APN # 085-050-001 et. Al
Agency Negotiators: Jesse Barton and Tom Johnson
Other Party to Negotiations: Mike Schonherr, Pacific Gas and Electric Co.
Under Negotiation: Price and Terms of Payment

b. Conference with Legal Counsel – Anticipated Litigation
Significant Exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9
One case
Facts and Circumstances: Claim Regarding the Phoenix Reservoir Restoration Project

III. Reconvene to Open Session

c. Closed Session Disclosure

President Balen reconvened the meeting to Open Session at 3:38 p.m. with no reportable action taken during Closed Session.

Adjournment

The meeting was adjourned at 3:38 p.m.

Date: May 25, 2021

ATTEST:

Barbara Balen, President
Board of Directors

Melissa McMullen,
Executive Secretary/Board Clerk

TUOLUMNE UTILITIES DISTRICT
SPECIAL MEETING MINUTES
MAY 18, 2021

A special meeting of the Board of Directors of Tuolumne Utilities District convened at 9:00 a.m. at the District Office, 18885 Nugget Blvd., Sonora, California.

The following Directors and staff were present:

Director Balen, President
Director Ringen, Vice President
Director Boatright
Director Kerns
Director Murphy

Steve Sheffield, Finance Director
Abby Parcon, Administrative Services Director
Melissa McMullen, Executive Secretary/Board Clerk

Call to Order

Pledge of Allegiance

I. **Public Forum**

No public comment was heard.

President Balen recessed the meeting to Closed Session at 9:04 a.m.

II. **Closed Session**

a. Public Employee Appointment
Title: Interim General Manager

III. **Reconvene to Open Session**

b. Closed Session Disclosure

President Balen reconvened the meeting to Open Session at 3:13 p.m. with no reportable action taken during Closed Session.

Adjournment

The meeting was adjourned at 3:13 p.m.

Date: May 25, 2021

ATTEST:

Barbara Balen, President
Board of Directors

Melissa McMullen,
Executive Secretary/Board Clerk

TUOLUMNE UTILITIES DISTRICT

Agenda Item No.III.2

MEMORANDUM

Board Meeting of May 25, 2021

To: Tuolumne Utilities District Board of Directors

From: Erik D. Johnson, District Engineer

Antonio Ramirez, Engineering Services Technician

Agenda Section: Regular Business

Subject: Consider Request for Variance for Water and Sewer Service to two Non-Adjacent Parcels – Palhegyi

Summary

Recommendation:

Consider adopting Resolution approving the request for variance from Water Rules and Regulations Sections 6.02 and 8.01 and Wastewater Section 3.01 Regarding Service to two Non-Adjacent Parcels - Palhegyi.

Issue:

The District's Water Rules and Regulations Sections 6.02 and 8.01 and Wastewater Ordinance Section 3.01 requires that in order to establish service to a private property a public water and/or sewer main must be immediately adjacent to the property. The water meter and sewer cleanout typically delineate the transition between District facilities and private facilities that are maintained by the property. The District's adjacency requirement exists to promote efficient design and construction of public infrastructure to serve the collective whole of the community in a cost-effective manner.

Fiscal Impact:

If approved, the District would receive $8,031 in water capacity fees and $5,952 in wastewater capacity fees per single-family residence(parcel).

Previously Related Action: None related to this specific variance request; however, the Board has heard previous presentations on District policies and procedures as they relate to issuance of variances.

Committee Status: n/a

Adherence to Policy:

Approval of a variance is a Board decision and therefore consistent with policy.

Discussion

Ron and Judy Palhegyi own two parcels (APN: 056-108-018 and 056-108-020) upon each they intend to construct a single-family residence. To serve their properties, the Palhegyi's are requesting a variance from Water Rules and Regulation Section 6.02 and 8.01 and Wastewater Ordinance Section 3.01 which require a public main be adjacent to the property in order to be served by the District.

Approval of the variance would allow the owners to install a public water service lateral with water meter and a public sewer service lateral with cleanout at the District's nearest existing water and sewer mains. The nearest District water and sewer mains are within the Washington St. right-of-way, approximately 50 feet and 175 feet east of the respective parcels.

Board Action:	Resolution No. _____	Motion by _____	Second by _____
	Ayes: _____	Noes: _____	
	Absent: _____	Abstained: _____	Recuse: _____

The proposed private water and sewer lines would cross an intervening parcel APN: 056-108-019. The private water and sewer lines would be constructed within the existing access easement for the Palhegyi's parcels. The District's operation and maintenance responsibilities would end at the water meter and the sewer cleanout in the public right-of-way. The Palhegyi's would be responsible for the operation and maintenance of the private waterline from the water meter to their residence and the private sewer line from the cleanout to their residence. The Palhegyi's have received a letter of support from the intervening property owner (APN: 056-108-019) authorizing them to construct water and sewer service laterals across their private property. The letter is attached to this Staff Report.

District staff see no advantage in extending the water or sewer mains to the Palhegyi's parcels and are therefore supporting the request for the following reasons:

1. No additional parcels could be served by extending a water or sewer main to the Palhegyi's parcels.
2. Extension of a public water main would not cause the water distribution system to be looped and would not increase fire flow or system reliability for the rest of the District's customers.
3. Extending a water or sewer main to serve two additional customer increases the District's operation and maintenance responsibility.

A public main participation agreement is not necessary because the staff do not reasonably foresee a water or sewer main ever being extended beyond these parcels.

Attachments:

Resolution

Exhibit Map

Street View of Location

Letter of Support from Intervening Property Owner

Resolution No. _____

TUOLUMNE UTILITIES DISTRICT
APPROVING REQUEST FOR VARIANCE FROM WATER RULES AND REGULATIONS SECTIONS 6.02 AND 8.01 AND WASTEWATER SECTION 3.01 REGARDING SERVICE TO TWO NON-ADJACENT PARCELS-PALHEGYI.

WHEREAS, Ronald and Judith Palhegyi ("Owners") are owners of those certain two parcels located in the City of Sonora, identified as Assessor's Parcel Numbers (APNs): 056-108-018 and 056-108-020 in the Tuolumne County book of parcels; and

WHEREAS, Owner's desire to develop Owner's parcels together with water and sewer services provided by the Tuolumne Utilities District ("TUD"); and

WHEREAS, Owners have requested a variance from TUD Water Rules and Regulations §6.02 and §8.01 and Wastewater Ordinance §3.01 which require that water meters and sewer cleanouts be established at the property line immediately adjacent to the District's water and sewer service mains; and

WHEREAS, it is neither convenient or desirable for TUD to extend a main onto private property (APNs 056-108-018 and 056-108-020) because it is inefficient to maintain a public water and sewer main for one or two parcels; disproportionately increases costs to District ratepayers; the current lot configuration does not provide for the ability to loop the water system in a manner desirable to long term maintenance;

WHEREAS, the Owner's agree to install private water and sewer laterals on APNs: 056-108-019 and 056-108-020 in order to extend water and sewer services to Owner's parcel; and

WHEREAS, the Owner's agree to accept liability for and maintain the private water and sewer lateral in good working order in perpetuity, or until such can be transferred to another owner through sale or easement.

BE IT RESOLVED, the Board of Directors of the Tuolumne Utilities District do hereby grant as follows:

Section 1. A variance from Water Regulations and Regulations 6.02 and 8.01 and Wastewater Ordinance Regulation 3.01 to allow service to the Owner's parcels (APN: 056-108-018 and 056-108-020) as shown on the Exhibit Map and subject to each of the provisions of this Resolution.

PASSED AND ADOPTED by the Board of Directors of Tuolumne Utilities District on May 25, 2021 by the following vote:

AYES:

NOES:

ABSENT:

RECUSE:

ABSTAINED:

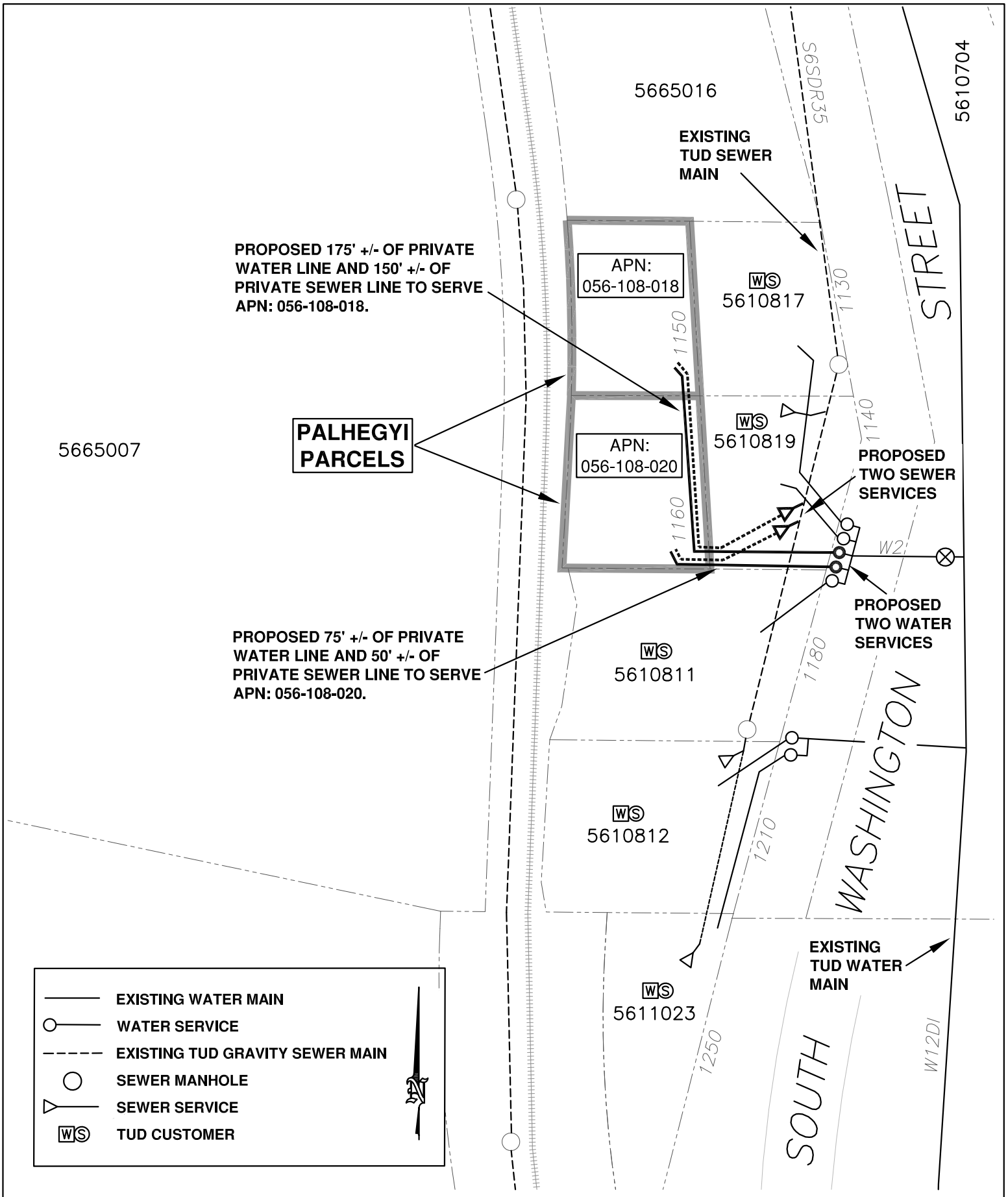
Attest:

By:_____

Barbara J. Balen
Board President
TUOLUMNE UTILITIES DISTRICT

By:_____

Melissa McMullen
Executive Secretary/Board Clerk



DATE: 5/14/2021 SCALE: NOT TO SCALE DRAWN BY: AJR	**EXHIBIT A** **PALHEGYI** VARIANCE REQUEST FROM WATER RULES AND REGULATIONS SECTION 6.02 and 8.01 AND WASTEWATER ORDINANCE SECTION 3.01	TUOLUMNE UTILITIES DISTRICT 18885 NUGGET BLVD. SONORA, CALIFORNIA 95370 (209) 532-5536

APN: 056-108-020
APN: 056-108-018
Proposed private sewer lines
Existing TUD sewer main
Proposed private water lines
Location of proposed meters
Existing TUD water main and service lateral
Google

Antonio Ramirez

Subject: FW: Palhegyi

From: Jeremy Blunt <jeremy.blunt@gmail.com>
Sent: Wednesday, May 12, 2021 10:32 PM
To: Antonio Ramirez <ARamirez@tudwater.com>
Subject: Re: Palhegyi

Hi Antonio,

I give my permission for Ron Palhegyi to run private water and sewer lines across my property at 1140 South Washington St. In addition, I am agreeable to dedicating private utility easements for the water and sewer lines.

Best,
Jeremy Blunt

TUOLUMNE UTILITIES DISTRICT

Agenda Item No. III.3

MEMORANDUM

Board Meeting of May 25, 2021

To: Board of Directors

From: Lisa Westbrook, Community Affairs Specialist

Agenda Section: Regular Business

Subject: Board to Review and Possibly Take Action to Approve the Proposed Public Outreach Video Series and Partnership with Columbia College

Summary

Recommendation:

It is recommended that the Board discuss and consider directing staff to hire a student from Columbia College to develop and produce a public outreach video series to educate and inform the public on various TUD activities.

Issue:

The public may be interested in a wide range of District topics. Some topics of interest include: Conserving Water, My Water Bill Seems High, Overview of the Watershed, History of TUD, etc. (For all the proposed topics, see the attached Proposed 2021 TUD Public Outreach Video Series Summary list). To better inform the public on these topics, District staff proposes producing educational and informational 2–5 minute short video segments. After the video segments are completed, the public can access the videos on social media, the TUD YouTube channel, and the TUD website.

Fiscal Impact:

Staff proposes hiring a Columbia College student for $500 per video topic project to film, produce, and edit the video segments under close TUD staff guidance. TUD staff will provide the informational content and direct the narrative, avail appropriate staff persons to participate or be filmed, and have overall authority over the final product. District staff will evaluate the quality of the first video segment prior to hiring the student to create subsequent video segments.

Previously Related Action: N/A

Committee Status:

At the April 29, 2021, Human Resources/External Relations Committee meeting, the committee recommended enlisting a Columbia College student to produce educational and informational video segments on TUD topics of interest.

Adherence to Policy: Not applicable.

Discussion:

District staff would like to hire a student, recommend by Professor Kath Christensen of Columbia College's Media and Design department, to partner with the District to produce video segments that would tell a story of various topics of interest to the public. Staff proposes the first video segment to be produced, "Where Does Your Water Come From" to illustrate the importance of the watershed and how the snowpack melts and eventually fills the reservoirs for the District's water supply. If approved by the Board, the District would initiate this project in June.

Attachments: Proposed 2021 Public Outreach Video Series Summary

Board Action:	Resolution No. _____	Motion by _____ Second by _____
	Ayes: _____	Noes: _____
	Absent: _____	Abstained: _____ Recuse: _____

TUOLUMNE UTILITIES DISTRICT

Board of Directors
Barbara Balen
David Boatright
Jeff Kerns
Lisa Murphy
Ron W. Ringen

Proposed 2021 TUD Public Outreach Video Series Summary

The focus of the videos is to cover each topic of interest in a 2-5 minute segment. The completed videos will be posted on social media, the TUD website and YouTube Channel.

1. Conserving water: When, Why, How?
    a. What are the factors that create our need to conserve water in Tuolumne County/ for the TUD system?
    b. What time of year is it most important to conserve water if you are a TUD customer? Why?
2. My Water Bill Seems High – Do I have a Leak? How to Read Your Meter.
3. Overview of the watershed –
    a. Map of the topography of the watershed (outline the watershed, follow it down slope)
    b. How water gets to each of the reservoirs?
    c. Where is hydro power produced along the way?
    d. Where does TUD infrastructure start?
    e. What are the components of proposed acquisition from PG&E?
4. History of TUD –
    a. The two original water systems (1850's history of the mining days)
    b. How did PGE end up w/ the water rights?
    c. Why was TUD formed?
    d. Why are water rights important for TUD?
5. Sonora Water Treatment Plant Virtual Tour
    a. Ariel view or map showing all the components. (identify the structures)
    b. Short video from the ditch showing the facility.
    c. How the water is treated - the process of the raw water – to treated water (short video clip, explanation by TUD employee)
    d. Explanation of where the raw water is coming from and how it is delivered to the site.
    e. Map of where the treated water goes from there.
6. Stormwater issues
    a. For release in late fall – before the rain season begins.
7. Wastewater
    a. Current plant - overview - show map w/ labeled functions (voice over operator explaining functions) / when was it built / what does it do well
    b. New regulations and needs.
    c. Why is a new plant needed/ what are the improvements?

8. How does TUD ensure your water safe to drink?
    d. Filtration
    e. Purification
    f. Testing
    g. Maintaining delivery system (pipes, flushing, etc.)
9. How does my household water work?
    a. How does my drinking water get to my tap?
    b. What happens after I flush my toilet, or water goes down my sink?
    c. How do we ensure the water used in these two functions never touch?

TUOLUMNE UTILITIES DISTRICT

Agenda Item No.III.4

MEMORANDUM

Board Meeting of May 25, 2021

To: Tuolumne Utilities District Board of Directors

From: Glen Nunnelley, Senior Engineer

Agenda Section: Regular Business

Subject: Board to Hear an Update on the Water Supply

Summary

Recommendation: Informational Item Only

Issue: Each Spring the District monitors closely the snow melt and runoff pattern for Herring Creek and the South Fork Stanislaus River to project the date in which Lyons Reservoir will stop spilling. The "end of spill" date, as it is commonly known, is significant because it represents the day in which the District's water supply transitions to being entirely reliant upon water storage contained in Lyons and Pinecrest Reservoirs. The earlier the "end of spill" the more days and hence, the more water, TUD will need to draw from storage. The "end of spill" date is also a driving factor in the lake level for Pinecrest at Labor Day.

Fiscal Impact: Not Applicable

Previously Related Action: The TUD Board recently expressed interest in agendizing this item for regular business at a regularly scheduled Board Meeting.

Committee Status: Not Applicable

Adherence to Policy: Not Applicable

Discussion

Staff will present the current water supply outlook including projections for "end of spill" and proposed drawdown of Pinecrest through Labor Day.

Attachments

None

Board Action:	Resolution No. _____	Motion by _____ Second by _____
	Ayes: _____	Noes: _____
	Absent: _____	Abstained: _____ Recuse: _____

TUOLUMNE UTILITIES DISTRICT

Agenda Item No. III.5

MEMORANDUM

Board Meeting of May 25, 2021

To: Board of Directors

From: Don Perkins, Operations Director

Agenda Section: Regular Business

Subject: Operational Update on the Water and Wastewater Departments – April 2021

Summary

Recommendation: For review only.

Issue: Operational Update review of activities and events for April 2021.

Fiscal Impact: Not available.

Previously Related Action: Monthly update.

Committee Status: Not applicable.

Adherence to Policy: Not applicable.

Discussion:

Operations Director Don Perkins will provide the Board of Directors a report on the Operations department activities and events for the month of April 2021.

Attachments: Operations Report

Board Action:	Resolution No. _____	Motion by _____ Second by _____
	Ayes: _____	Noes: _____
	Absent: _____	Abstained: _____ Recuse: _____

Tuolumne Utilities District Operations Report

Month of Review: April 2021

Information Provided by:

- Don Perkins, Operations Director
- Rich Pitcher, Collections Superintendent
- Eric Hall, Water Master
- Matt Nolte, Distribution Superintendent
- Trevor Cowden, Water Superintendent
- Doug Everhart, Construction/Maintenance Superintendent
- Glen Nunnelley, Senior Engineer
- Antonio Ramirez, Engineering Services Technician
- Michelle Perkins, Safety Compliance Coordinator

TUD CONTINUES PROVIDING ESSENTIAL SERVICES DURING COVID-19

All field operations are continuing to provide full service under enhanced safety conditions, with employees wearing face coverings, adhering to good hygiene, personal protective equipment and social distancing guidelines as the District remains committed to the health and safety of its employees, customers, and the community.

Sonora Regional Wastewater Treatment Facility

Wastewater Treatment Facility Flows
MG=Million Gallons

Influent Totals from Plant: April	
Total	36.935 MG
High	1.343 MG
Low	1.047 MG
Average	1.231 MG

Septic Haulers Log	
Number of Loads	218
Gallons Received	540,800

Totals from Twain Harte WWTP:	
Influent	3.651 MG

Effluent from Jamestown Sanitary to Quartz Reservoir	
Effluent	4.693 MG

Rainfall Totals at the Regional Plant 1749' elevation Month of April		Quartz Reservoir Totals Quartz Capacity – 1600 Acre-Feet Month of April	
Year	**Total Rainfall - inches**	**Quartz Reservoir Levels**	**Quartz Reservoir in Acre-Feet**
2021	.37	48.60	772.20
2020	3.27	57.40	1083.60
2019	.51	57.90	1102.90
2018	3.13	58.00	1106.70
2017	6.71	68.10	1532.40
Annual, monthly average	2.94		

Quartz/Reclamation System, Quartz Capacity 1600 AF	
Quartz Reservoir: 48% of Capacity	
Upper Zone	7.657 MG
Lower Zone	37.324 MG
Total Use	44.981 MG

Wastewater Treatment CIP Projects in Progress

- New Sonora Regional Wastewater Treatment Facility, Design and Title 22 Permit

Wastewater Collections Department

- High-Velocity Cleaning (HVC): 18,758 lineal feet of sewer mains were cleaned. 25,500 gallons of water was used. 450 lineal feet (2.3%) of QAQC video inspection was completed to comply with best management practices. All the footage passed, and no follow-up cleaning or retraining was needed.

HVC Areas for April:

High-Velocity Cleaning (HVC) performed in the following areas:

- Sonora: Washington Street, Barretta Street, Stewart Street, Greenley Road, Knowles Hill Road, Southgate Drive, Hillcrest Street, Shepherd Street, Rose Street, Lytton Street, High Street, Terrace Avenue, Fir Road, and Mono Way.
- Mi Wuk Village: Highway 108 area.

Collections CIP Projects in Progress

- Upper College Sewer Lift Station (SLS) rehabilitation – **completed**
- Apple Valley SLS rehabilitation – **completed**
- Phoenix Lake SLS rehabilitation – in progress
- Crossroads SLS consolidation – in design
- Mono Village SLS consolidation – in design
- Columbia Interceptor Lining Project – **completed**
- Willow Springs SLS improvements – planning
- Mill Villa SLS – in design
- Parrotts Ferry SLS – in design

Other Activities

- Mi Wuk Pre Tank was cleaned.
- Gold Springs Sewer Lift Station (SLS): The pumps were pulled and cleaned as preventive maintenance.
- Sky 1 SLS: The pumps were cleaned for preventive maintenance.
- Pipe Patching Installation: Seven (7) pipe patches were installed on Barretta Street on a 6-inch VCP line that was in the pavement, approximately 14 lineal feet deep near a retaining wall. The cost of the patches was approximately $2,800.
- Weekly Sewer Lift Station Checks: Six (6) days spent at Sewer Lift Stations (SLS).
- Sewer connections: 6,120
- Closed 150 Underground Service Alert (USA) tags.

The Collections staff responded to six (6) reports of Sanitary Sewer Overflow (SSO) in the month of April, with none being reportable. Two (2) of the SSO's were after hours, and four (4) were during normal hours at the following locations:

1. 20345 West Walnut, Gibbs Subdivision. Occurred on 4-6-2021. Spill cause was debris in lateral.
2. 100 Elk Drive, Sonora. Occurred on 4-11-2021. Cause was root intrusion.
3. 81 South Washington, Sonora. Occurred 4-11-2021. Spill cause was debris in pipe.
4. 11126 Racetrack Road, Gibbs Subdivision. Occurred on 4-12-2021. Spill cause was root intrusion from a defective liner reinstatement.
5. 204 Theall Street, Sonora. Occurred on 4-14-2021. Spill cause was root intrusion.
6. 130 Sky Park, Columbia. Occurred on 4-14-2021. Spill cause was root intrusion.

SSO – TUD Performance Goals

Year	Max. # of SSO's Per Year	Number of SSO's
2017	10	3
2018	8	5
2019	7	4
2020	7	5
2021	5	2

Note: Consent Decree ends June 1, 2021.

There were five (5) after hours service calls during the month of April.

Work Orders

There were two (2) work orders created in the month of April.

1. Fairview Lane. Install four (4) pipe patches.
2. Installation of a new manhole at the intersection of Lyons Street and Shepherd Street.

There were three (3) work orders closed in the month of April.

1. Repaired manhole at 22826 Bigler Street, Sonora
2. Installed four (4) pipe patches on Fairview Lane, Sonora.
3. Installed seven (7) pipe patches on Barretta Street, Sonora.

Water Supply Update as of 5/12/2021

Pinecrest Lake and Lyons Reservoir are nearly full and should begin spilling within a week of this report date. There is enough water to fulfill the water supply-demand through the end of the calendar year under normal conditions. However, conditions are dry, and a drought emergency has been declared for most regions in the State. Snow readings for the watershed above Pinecrest Lake indicate both reservoirs will fill. Still, we anticipate a relatively early end of spill (early June) which means that Lyons Reservoir and Pinecrest Lake may fall below desired target storage levels before Labor Day. Weather forecasts are trending dry and warm for at least the next two weeks.

Reservoir Storage

Pinecrest Lake (Maximum Storage Capacity 18,313 acre-feet)
16,717 Storage, acre-feet
91% Capacity
101% Average
5,612 Current Lake Elevation, feet

Lyons Reservoir (Maximum Storage Capacity 5,466 acre-feet)[1]
3,851 Storage, acre-feet
70% Capacity
84% Average

Snow

The snow readings at the Gianelli and Lower Relief snow stations are approximately **3 i**nches of Snow Water Equivalent (SWE). This is approximately 13% of the average snowpack accumulations at this time of year of approximately **24** inches. The California Central regional SWE shows 8% or average for this date.

Snow Survey – DWR Bulletin 120 for Stanislaus River

The Bulletin 120 is a publication issued four times a year, in the second week of February, March, April, and May by the California Department of Water Resources. It contains forecasts of the volume of seasonal runoff from the State's major watersheds, summaries of precipitation, snowpack, reservoir storage, and runoff in various State regions. The current water year forecast for the Stanislaus River is **388,000**. This is classified as a **Dry** water year.

TUD Water Supply Summary WY 2021

May 12, 2021

Reservoir Storage	Sta.	Units	Cap.	Avg.	2019	2020	2021	Hist. Avg.	Max.	Min.
Pinecrest, 18,313 AF	S5	AF	91%	101%	**17,956**	**18,391**	**16,717**	**16,620**	**18,348**	**3,856**
Pinecrest Elevation, Ft.	S5	feet			**5616**	**5618**	**5612**	**5611**	**5618**	**5552**
Lyons, 5,466 AF	S16	AF	70%	84%	**4,712**	**4,985**	**3,851**	**4,574**	**5,507**	**3,993**

Raw Water/Ditches

- Ditch/Repairs Maintenance: Continued cleaning the Algerine for the irrigation season. Water was turned on April 12th. Cleaned the Kincade ditch and filled the Kincade Reservoir.
- Phoenix Lake: Installed new log boom. The old log boom was twenty years old and was deteriorating. This month flash boards were installed. The lake will be filled in time for the May Tuolumne Main Canal outage.
- Lakewood Pond: Installed flash boards at the dam inlet. The pond will be filled in case water is needed in Upper Basin system during Spring in May Tuolumne Main Canal outage.
- Road repairs: Started road repairs on the Eureka and Section 4 ditches. This is annual maintenance need for access around the ditch system.
- Ditch Flows: Increased flows on the Tuolumne Main Canal, Section 4 and Upper Columbia making sure storage is full for the Spring in May Tuolumne Main Canal outage. Reservoirs to fill include Lakewood Pond, Shady Brook, Matelot, Ponderosa Hills lower pond, Westside, Phoenix and Monte Grande.
- PG&E: Worked with PG&E on timing of the Main Canal outage their proposed work areas and when the water will be turned back on.
- Raw water customers: 593

Raw Water CIP Projects in Progress

- Phoenix Lake Preservation/Restoration - Under construction
- Upper Columbia Ditch Spill 1 - **Completed**
- Matelot Ditch Turbidity Monitoring Station - Under construction
- Algerine Ditch- Slum Dam Repair- Environmental Review

Customer Service Requests – Monthly Activity

Description	Service Tags Issued
Ditch Turn Off	2
Ditch Turn On	38
No Water Reported	13
Ditch Leak	9
Other, Misc. Call	10
TOTAL	**72**

New Melones

The TUD Pump intakes are located at about **870** feet elevation. The current New Melones Reservoir water elevation is about **996** feet elevation or about 60% of capacity.

Phoenix Lake

- Meter Leaks Repaired: 2
- Completed Service Lateral Repair: 1
- Meter Change Outs Completed: 141
- New Meters Set Completed: 4
- Data Log Completed: 4
- Backflow Device Inspections: 2
- Hydrant Repair: 1 at Wal Mart
- Completed Annual Flushing at the following locations: Cuesta Serena, Mill Villa, Volponi Acres, and Jamestown.
- Started Annual PRV Maintenance Program
- Valve box repairs on Yellow Pine Road in Sugar Pine (Box was damaged by snowplow).
- Service Requests Completed: 402
- Underground Service Alert (USA). Increasing USAS and many requiring multiple pot-hole locations. Completed: 391
- Treated Water Accounts: 13,694

Row Labels	Count of Meter Type	Count of Meter Type Percentage
MANUAL	5758	40.49%
RADIO	8464	59.51%
Grand Total	**14222**	**100.00%**

Distribution CIP Projects in Progress

Cuesta Heights Water Storage and Distribution Improvements - Under construction

- Zelinsky Tank and Pump Station Consolidation - Under construction
- Riddle Tank and Pump Station Consolidation - **Completed**
- Cinder Block Tank and Pump Station Consolidation - **Completed**
- Crystal Falls Phase 1 of the Techite Pipeline Replacement – **Completed**
- Crystal Falls Phase 2 of the Techite Pipeline Replacement – Out to Bid

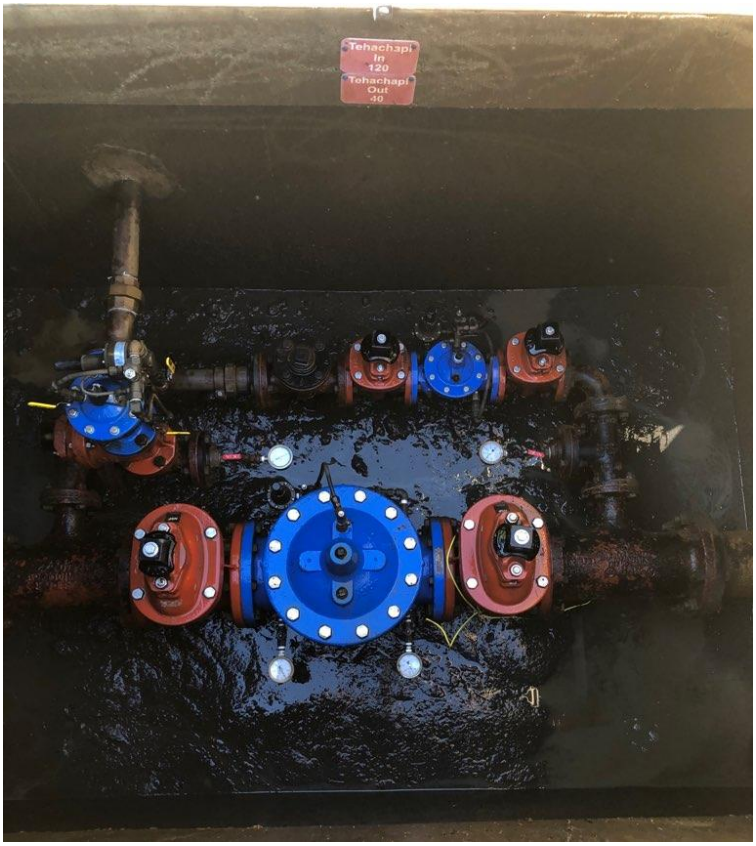
Customer Service Requests – Monthly Activity

Description	Service Tags Issued
Change Out Meter	143
High Read/Check for Leak	41
Manual Turn On – Customer Paid	4
Meter Issue	10
No Water Reported	4
Occupant Change	119
Other	18
Pressure Test	5
Set Meter	4
Sewer Leak Reported	10
Turn Off – No Charge	10
Water Leak Reported	0
Water Quality	2
Water Billing Re-Read	20
TOTAL	**390**

Meter Change Out - Jamestown

Meter Re-Plumb- Sonora

PRV – Annual Maintenance



Water Operations Report April 2021						
SURFACE WATER PLANTS	**PROD TOTAL IN MG**		**PEAK RAW NTU**	**RAW TOTAL MPN**	**AVG TREATED NTU**	**Cl2**
YEAR	**2021**	**2020**	**2021**	**2021**	**2021**	**2021**
SONORA	56.69	47.63	14	170	0.04	1.8
PONDEROSA	5.83	4.17	6.2	300	0.05	1.6
TUOLUMNE	6.24	4.27	2.7	80	0.04	1.6
CRYSTAL FALLS	11.93	10.43	9	8	0.05	1.7
LAKEWOOD	9.05	8.98	7	23	0.05	1.8
MONTE GRANDE	5.94	5.12	5.9	130	0.03	1.7
COLUMBIA	13.50	9.05	25.5	130	0.03	1.7
BIG HILL	2.23	1.82	15.7	50	0.05	1.8
CEDAR RIDGE	2.54	2.62	10	33	0.05	1.5
SCENIC VIEW	1.06	1.13	9	130	0.06	1.5
TOTAL	**114.99**	**95.21**				
GROUNDWATER SYSTEMS	**PROD TOTAL IN MG**		**AVE STATIC LEVEL**	**AVE STATIC LEVEL**		
YEAR	**2021**	**2020**	**2021**	**2020**		
APPLE VALLEY #1	0.02	0.09	38	35		
APPLE VALLEY #2	0.02	0.12	22	20		
APPLE VALLEY #3	2.15	1.14	29	20		
CEDAR RIDGE SPRINGS WELL	0.03	0.00	0	0		
PEACEFUL PINES	0.11	0.07	142	135		
PHOENIX LAKE	0.47	0.42	125	24		
SCENIC VIEW	0.00	0.08	57	56		
WARDS FERRY #1	0.55	0.32	32	42		
TOTAL	**3.35**	**2.24**				
Total Surface WTP Production	**114.99**	**95.21**				
Total Well Production	**3.35**	**2.24**				
TOTAL	**118.34**	**97.45**				
Groundwater Represents %	**2.83**	**2.30**				

NOTEABLE MONTHLY ACTIVITIES/FACTS

Sampling

- Regulatory Bacteriological -Source water - 19, Distribution - 96, Special - 8
- Regulatory Monthly: Total Organic Carbon - 14, Alkalinity - 7, Iron & Manganese – 2
- Sullivan Creek Sampling Project- 5 Sample Sites, twice a month

Reports

- Monthly Reports - Production - 11, Surface Water Treatment Plant - 11, Water Quality Process - 11, Well Operation-7. Bacteriological - Raw/Source - 11, Distribution – 11
- Quarterly Reports - Disinfection by Product Compliance – 7, Total Organic Carbon Compliance – 7, Chlorine Residual Compliance – 11.

Other Activities

- Columbia Water Treatment Plant (WTP): Improvements were made throughout the plant's interior that included installation of a new safety catwalk to access filter units, new influent-pneumatic actuator and valve replacement as well as re-organization of analytical instrumentation.
- Ridgewood Pumping Facilities: The maintenance/construction crews replaced siding, painted the facility and constructed a generator house.

Columbia WTP – New catwalks installed

Ridgewood Pump Station Facility Upgrades

Construction/Maintenance Department

Description of Activity	Water	Sewer
Water main line leaks	3	0
Water main line break	2	0
Service leaks repaired	5	0
Service breaks	0	0
New service/install	2	2
Work orders completed	3	2
Hot taps installed	2	0
Sewer lateral replaced	0	0
Locates prior to project starting	0	0
Totals Per Service	**17**	**4**

Water Projects

- Began work on the Clear Water Reservoir Bypass Project at the Sonora WTP. Installed 120 feet of 14" C-900 PVC pipe
- Installed two new water services on Main Street, Jamestown
- Installed new generator dog houses for pump stations in Ridgewood
- Rebuilt pump building Ridgewood tank site

Sewer Projects

- Began work on Phoenix Lake Sewer Lift Station. Installed new sump and tie-ins
- Installed new 4-inch sewer service Racetrack Road
- Installed new 4-inch sewer service Suez Canal, Crystal Falls

After Hours Calls.

Responded to 14 after-hour calls

Total Operations Departments: Overtime for April

Total hours: 338.5
After-hours call outs: 58

Employee Development, Safety and Security Training and Activities

Education/Testing **Regulatory Compliance Specialist** Angel Tarango passed the Water Treatment, Grade 4 examination.

COVID-19 Activities April 2021:

Safe Practices: District employees continue to work hard under continually changing and enhanced safety conditions in accordance with federal, State, and local COVID-19 safety guidelines including, but not limited to, daily COVID-19 employee screening, personal protective equipment (PPE), physical distancing, increased disinfection, personal hygiene, COVID-19 Vaccine education and COVID-19 safety inspections.

Weekly CDC Updates, Safety & Preventions, Supply Survey, Distribution, Vaccine Education, and Inspection: Staff perform weekly CDC regulation review, COVID safety and prevention evaluations including staff surveys of supplies such as face masks, disinfection supplies, COVID screening forms, and to ensure COVID educational flyers are up to date. Staff also conduct site inspections and evaluate procedures ensuring a COVID-compliant safe work environment for employees. CDC's COVID-19 Vaccine FAQ sheet was distributed to all staff on February 10, 2021. Staff is prepared for anticipated Cal-OSHA COVID Emergency Temporary Standards revisions.

COVID-19 Employee Vaccine Assistance: Staff continues to work with TUD Employees and Tuolumne County Department of Public Health on COVID-19 vaccination planning, scheduling, and education.

Monthly Safety Topic April 2021: The safety topic of the month was "ACWA JPIA Hot Work Precaution" for field staff and "Allergies Safety Talk" for office staff.

Insect Preparedness & Prevention April 1, 2021: District Superintendents were advised to prepare and prevent exposure to potentially harmful insects at District facilities, for the safety of our employees.

Industrial Scientific Guide to Gas Detection in Confined Space April 5, 2021: Superintendents were provided with Industrial Scientific's "The Complete Guide to Gas Detection in Confined Spaces".

Safety Center Traffic Control & Flagging Training & Certification April 6, 2021: Staff Participated in a virtual Traffic Control & Flagging training and certification.

Protecting Workers from the Effects of Heat April 13, 2021: Superintendents and Foreman participated in an OSHA "Protecting Workers from the Effects of Heat" training for supervisors.

Heat Illness Awareness April 14, 2021: Annual heat illness prevention training and awareness flyers and posters were posted throughout the District.

ECSI First Aid/CPR/AED Training & Certification April 14 & 21, 2021: The Wastewater and Collection departments participated in ECSI First Aid, CPR, and AED skills testing, training, and certification.

Water Treatment Plant Safety Inspections April 20 & 27, 2021: ACWA JPIA trained staff performed annual safety site inspections on water treatment plant facilities.

Distribution 1/2 & 3/4 Examination Preparation Class April 21 & 29, 2021: The District provided a distribution examination preparation class for certifying staff.

Crane Inspections April 29, 2021: Aerial and Crane experts performed the District's annual crane safety inspections.

TUD works diligently to provide a safe and supportive work environment for all employees!