

**CARSON CITY CONSOLIDATED MUNICIPALITY  
NOTICE OF MEETING OF THE  
UTILITY FINANCE OVERSIGHT COMMITTEE**

**Day:** Monday  
**Date:** January 24, 2022  
**Time:** Beginning at 9:00 am  
**Location:** Community Center, Robert 'Bob' Crowell Board Room  
851 East William Street  
Carson City, Nevada

**AGENDA**

**NOTICE TO THE PUBLIC:**

The State of Nevada and Carson City are currently in a declared State of Emergency in response to the global pandemic caused by the coronavirus (COVID-19) infectious disease outbreak. In accordance with the applicable Directives issued under authority of the Governor's Declaration of Emergency, including Directive 045 and 047, and subject to any potential changes in state or federal mandates or guidelines, face coverings are required to be worn when attending this meeting in person.

The public may provide public comment in advance of a meeting by written submission to the following email address: [kleet@carson.org](mailto:kleet@carson.org). For inclusion or reference in the minutes of the meeting, your public comment must include your full name and be submitted via email by not later than 3:00 p.m. the day before the meeting.

**1. Call to Order - Utility Finance Oversight Committee**

**2. Roll Call and Determination of a Quorum.**

**3. Public Comment\*\***

The public is invited at this time to comment on and discuss any topic that is relevant to, or within the authority of the Utility Finance Oversight Committee.

**4. For Possible Action - Approval of Minutes - April 6, 2021**

4.A For Possible Action: Discussion and possible action regarding approval of the April 6, 2021 draft meeting minutes. (Darren Schulz, [dschulz@carson.org](mailto:dschulz@carson.org))

Staff Summary: Committee members will be provided the draft meeting minutes from the April 6, 2021 meeting and asked to review and approve.

[SR-Approval of Minutes.docx](#)

## **5. Public Meeting Item(s):**

5.A For Discussion Only: Presentation and discussion of Manager's report on personnel, projects and planning. (Andy Hummel, [ahummel@carson.org](mailto:ahummel@carson.org) and Eddy Quaglieri, [equaglieri@carson.org](mailto:equaglieri@carson.org))

Staff Summary: Manager's report on personnel changes, projects and planning.

[SR-Managers Report.docx](#)

[2022\\_0124-Carson City Water and Wastewater UFOC Update .anh.pptx](#)

5.B For Discussion Only: Presentation and discussion of draft 5-year Capital Improvement Plans for Water, Wastewater, and Stormwater Utilities. (Andy Hummel, [ahummel@carson.org](mailto:ahummel@carson.org) and Eddy Quaglieri, [equaglieri@carson.org](mailto:equaglieri@carson.org))

Staff Summary: Draft 5-year Capital Improvement Plans for the Water, Wastewater, and Stormwater Utilities have been prepared for the upcoming FY 2022-23 Fiscal Year Budget.

[SR-CIP Report.docx](#)

[2022\\_0124-Carson City Water Wastewater Stormwater CIP UFOC Update.pptx](#)

## **6. Non-Action Items**

Future agenda items

Status reports and comments from staff or members of the Committee

## **7. Public Comment\*\***

The public is invited at this time to comment on any matter that is not specifically included on the agenda as an action item. No action may be taken on a matter raised under this item of the agenda.

## **8. For Possible Action: To Adjourn.**

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### **\*\*Public Comment**

The Utility Finance Oversight Committee will provide at least two public comment periods in compliance with the minimum requirements of the Open Meeting Law prior to adjournment. Public comment will be taken at the beginning of the agenda before any action is taken and again at the end before adjournment. No action may be taken on a matter raised under public comment unless the item has been specifically included on the agenda as an item upon which action may be taken. The Chair may call for or allow additional individual-item public comment at the time of the body's consideration of the item when: (1) the comment will be provided from a person who is directly involved with the item, such as City staff or an applicant; or (2) it involves any

person's or entity's due process appeal or hearing rights provided by statute or the Carson City Municipal Code. Comments may be limited to three minutes per person or topic, at the discretion of the Chair in order to facilitate the meeting.

### **Agenda Management Notice**

Items on the agenda may be taken out of order; the public body may combine two or more agenda items for consideration; and the public body may remove an item from the agenda or delay discussion relating to an item on the agenda at any time.

### **Notice to Persons with Disabilities**

Members of the public who are disabled and require special assistance or accommodations at the meeting are requested to notify Carson City Public Works' staff in writing at 3505 Butti Way, Carson City, Nevada, 89701 or at [kleet@carson.org](mailto:kleet@carson.org), or by calling (775) 887-2355 at least 24 hours in advance of the meeting.

### **For Further Information**

If you desire detailed information concerning any subject matter itemized within this agenda, including copies of the supporting material regarding any of the items listed on the agenda please contact Karen Leet in writing at 3505 Butti Way, Carson City, NV 89701 or [Kleet@carson.org](mailto:Kleet@carson.org), or call (775) 887-2355. You are encouraged to attend this meeting and participate by commenting on any agenda item.

This agenda is available on the City's website at [www.carson.org/agendas](http://www.carson.org/agendas) and at the office for Carson City Public Works - 3505 Butti Way, Carson City, Nevada, 89701 (775) 887-2355.

This notice has been posted at the following locations:

Carson City Public Works, 3505 Butti Way

[www.carson.org/agendas](http://www.carson.org/agendas)

<http://notice.nv.gov>



# STAFF REPORT

Item No. 1

Report To: Utility Finance Oversight Committee

Meeting Date: January 24, 2022

Staff Contact: Darren Schulz, Public Works Director

Agenda Title: For Possible Action: Discussion and possible action regarding approval of the April 6, 2021 draft meeting minutes. (Darren Schulz, dschulz@carson.org)

Staff Summary: Committee members will be provided the draft meeting minutes from the April 6, 2021 meeting and asked to review and approve.

Agenda Action: Formal Action/Motion

Time Requested: 5 minutes

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## Proposed Motion

I move to approve the April 6, 2021 draft meeting minutes of the Utility Finance Oversight Committee.

## Board's Strategic Goal

N/A

## Previous Action

N/A

## Background/Issues & Analysis

N/A

## Applicable Statute, Code, Policy, Rule or Regulation

N/A

## Financial Information

Is there a fiscal impact? ☐ Yes ☒ No

If yes, account name/number:

Is it currently budgeted? ☐ Yes ☒ No

Explanation of Fiscal Impact:

## Alternatives

**Committee Action Taken:**

Motion: \_\_\_\_\_

1) \_\_\_\_\_

2) \_\_\_\_\_

Aye/Nay

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
(Vote Recorded By)

# **CARSON CITY UTILITY FINANCE OVERSIGHT COMMITTEE**

## **Draft Minutes of the April 6, 2021 Meeting**

### **Page 1**

A regular meeting of the Carson City Utility Finance Oversight Committee was scheduled for 1:30 p.m. on Tuesday, April 6, 2021 in the Community Center Robert “Bob” Crowell Board Room, 851 East William Street, Carson City, Nevada.

**PRESENT:** Chairperson Bob Johnston  
Vice Chair Randy Bowling  
Member Cynthia Turiczek  
Member Jim Bathgate  
Member Ron Knecht

**STAFF:** Darren Schulz, Public Works Department Director  
Sheri Russell, Chief Financial Officer  
Pamala Ganger, Deputy Chief Financial Officer  
Jamie Stevenson, Accounting Manager  
Andy Hummel, Wastewater Utility Manager  
Eddy Quaglieri, Water Utility Manager  
Adam Tully, Deputy District Attorney  
Danielle Howard, Public Meetings Clerk

**NOTE:** A recording of these proceedings, the commission’s agenda materials, and any written comments or documentation provided to the recording secretary during the meeting are public record. These materials are on file in the Clerk-Recorder’s Office, and available for review during regular business hours. An audio recording of this meeting is available on [www.Carson.org/minutes](http://www.Carson.org/minutes).

### **CALL TO ORDER AND DETERMINATION OF A QUORUM**

(1:32:40) – Vice Chairperson Johnston called the meeting to order at 1:32 p.m. Roll was called, and a quorum was present.

### **PUBLIC COMMENT**

(1:35:42) – Vice Chairperson Johnston entertained public comments; however, none were forthcoming.

### **1. FOR POSSIBLE ACTION – APPROVAL OF MEETING MINUTES.**

#### **1.A FOR POSSIBLE ACTION: DISCUSSION AND POSSIBLE ACTION REGARDING APPROVAL OF THE MAY 4, 2020 DRAFT MEETING MINUTES.**

(1:33:23) – Vice Chairperson Johnston introduced the item and entertained corrections, changes, and/or a motion.

(1:34:06) – **MOTION:** Member Bowling moved to approve the May 4, 2020 meeting minutes as presented. Vice Chairperson Johnston seconded the motion. The motion carried 5-0-0.

# CARSON CITY UTILITY FINANCE OVERSIGHT COMMITTEE

## Draft Minutes of the April 6, 2021 Meeting

### Page 2

#### 2. MEETING ITEMS:

##### **2.A FOR POSSIBLE ACTION: DISCUSSION AND POSSIBLE ACTION REGARDING ELECTING A CHAIRPERSON AND VICE-CHAIRPERSON FOR THE UTILITY FINANCE OVERSIGHT COMMITTEE.**

(1:36:01) – Vice Chairperson Johnston introduced the item.

**(1:36:25) – Member Bowling moved to nominate Bob Johnston to the position of UFOC Chair. Member Knecht seconded the motion.** Vice Chairperson Johnston accepted the nomination and entertained Member comments. When none were forthcoming, he called for a vote. **The motion carried 5-0-0.**

**(1:38:04) – Member Knecht moved to nominate Randy Bowling to the position of UFOC Vice Chair. Member Turiczek seconded the motion.** Vice Chairperson Johnston entertained Member comments and, when none were forthcoming, called for a vote. **The motion carried 5-0-0.**

##### **2.B FOR INFORMATION ONLY: PRESENTATION ON BACKGROUND AND MISSION OF THE UTILITY FINANCE OVERSIGHT COMMITTEE IN REGARDS TO CARSON CITY WATER, WASTEWATER, AND STORMWATER UTILITIES.**

(1:38:55) – Chairperson Johnston introduced the item. Mr. Schulz, Mr. Hummel, and Mr. Quaglieri presented a PowerPoint Slideshow on the matter, which is incorporated into the record along with the Staff Report, and responded to clarifying questions.

##### **2.C FOR INFORMATION ONLY: PRESENTATION OF THE RESULTS AND OUTCOME OF THE UTILITY RATE STUDY PERFORMED IN 2020 BY FARR WEST ENGINEERING.**

(2:01:26) – Chairperson Johnston introduced the item. Farr West Engineering Principal Engineer and President Brent Farr introduced himself, referenced the Staff Report, and presented a PowerPoint Slideshow titled Water, Wastewater, and Stormwater Rate Study Refresh, which is incorporated into the record. Mr. Farr, Mr. Hummel, Ms. Russell, and Mr. Schulz also responded to clarifying questions.

##### **2.D FOR POSSIBLE ACTION: DISCUSSION AND POSSIBLE ACTION REGARDING TENTATIVE FISCAL YEAR 2020 WASTEWATER FUND BUDGET, ITS COMPLIANCE WITH ADOPTED FINANCIAL POLICIES, AND RECOMMENDING THAT THE BOARD OF SUPERVISORS APPROVE THE TENTATIVE WASTEWATER FUND BUDGET FOR FISCAL YEAR 2022.**

(2:43:36) – Chairperson Johnston introduced the item. Ms. Ganger referenced the Staff Report, and she and Ms. Stevenson presented a PowerPoint Slideshow and the accompanying documents, all of which

**CARSON CITY UTILITY FINANCE OVERSIGHT COMMITTEE**

**Draft Minutes of the April 6, 2021 Meeting**

**Page 3**

are incorporated into the record. Ms. Ganger, Mr. Schulz, and Mr. Hummel also responded to clarifying questions.

(2:56:03) – Chairperson Johnston entertained a motion.

**(2:58:55) – MOTION: Member Bowling moved to acknowledge that the tentative Wastewater Fund budget for fiscal year 2022 is in compliance with the adopted financial policies and to recommend that the Board of Supervisors approve the tentative Wastewater Fund budget for fiscal year 2022. Member Turiczek seconded the motion. Chairperson Johnston entertained Member discussion and called for a vote. The motion carried 5-0-0.**

**2.E FOR POSSIBLE ACTION: DISCUSSION AND POSSIBLE ACTION REGARDING THE TENTATIVE FISCAL YEAR 2022 WATER FUND BUDGET, ITS COMPLIANCE WITH ADOPTED FINANCIAL POLICIES, AND RECOMMENDING THAT THE BOARD OF SUPERVISORS APPROVE THE TENTATIVE WATER FUND BUDGET FOR FISCAL YEAR 2022.**

(2:59:56) – Chairperson Johnston introduced the item. Ms. Ganger referenced the Staff Report as well as presented a PowerPoint Slideshow and the accompanying documents, all of which are incorporated into the record. She and Mr. Schulz also responded to clarifying questions.

**(3:07:49) – MOTION: Member Knecht moved to acknowledge that the tentative Water Fund budget for fiscal year 2022 is in compliance with the adopted financial policies and to recommend that the Board of Supervisors approve the tentative Water Fund budget for fiscal year 2022. Member Turiczek seconded the motion. Chairperson Johnston entertained Member discussion and, when none was forthcoming, called for a vote. The motion carried 5-0-0.**

**2.F FOR POSSIBLE ACTION: DISCUSSION AND POSSIBLE ACTION REGARDING THE TENTATIVE FISCAL YEAR 2022 STORMWATER UTILITY FUND BUDGET, ITS COMPLIANCE WITH ADOPTED FINANCIAL POLICIES, AND RECOMMENDING THAT THE BOARD OF SUPERVISORS APPROVE THE TENTATIVE STORMWATER UTILITY FUND BUDGET FOR FISCAL YEAR 2022.**

(3:09:06) – Chairperson Johnston introduced the item. Ms. Ganger referenced the Staff Report as well as presented a PowerPoint Slideshow and the accompanying documents, all of which are incorporated into the record. Ms. Russell also responded to clarifying questions.

(3:13:17) – Ms. Russell clarified that the internal service charges were a product of the functions of the City that help the Stormwater Utility Fund, with the general City fund paying for many Public Works Staff.

(3:15:51) – Member Knecht commented that Los Angeles, California and the Los Angeles Department



## CARSON CITY UTILITY FINANCE OVERSIGHT COMMITTEE

### Draft Minutes of the April 6, 2021 Meeting

#### Page 4

of Water and Power use the same sort of charges as the internal service charges to “milk the enterprise for the benefit of the general fund so that the city could claim that they were holding down taxes, ... but what came in one pocket went out the other essentially, so people are naturally always skeptical that we can audit and verify those charges.”

(3:17:53) – Chairperson Johnston entertained a motion.

**(3:17:58) – MOTION: Member Turiczek moved to acknowledge that the tentative Stormwater Utility Fund budget for fiscal year 2022 is in compliance with the adopted financial policies and to recommend that the Board of Supervisors approve the tentative Stormwater Utility Fund budget for fiscal year 2022. Member Knecht seconded the motion.** Chairperson Johnston entertained Member discussion. Vice Chairperson Bowling pointed out that there have been many challenges over the years for Staff and the Committee to try to get money to meet the financial policy goals due to having been underfunded for years and commented that “it is an absolute thrill to sit here with a motion like that on the table where it beats all the policy goals.” **The motion carried 5-0-0.**

#### **2.G FOR INFORMATION ONLY: PRESENTATION AND DISCUSSION OF MANAGER’S REPORT ON PERSONNEL, PROJECTS AND PLANNING.**

(3:19:27) – Chairperson Johnston introduced the item. Mr. Quaglieri presented his report, which included that Well 3B had been redrilled, the Quill [Water Treatment Plant Rehabilitation] Project was in progress, and the Transmission Main Project was recently completed, with the last piece being known as the East-West Transmission Main. He announced the following future projects:

- The Prison Hill Booster Pump Station, replacing two existing underground booster pump stations in the southeast portion of the City along the South Edmonds Drive area
- A major tank coding project for the Goni Canyon Tank
- Well rehabs for Wells 44 and 24B during the next fiscal year
- Development of a Well Maintenance Program to evaluate the age of the wells and when they were last rehabbed to place them on a schedule

Mr. Quaglieri informed the Committee that the Production Crew has replaced all of the pumps and motors in all of the booster pump stations over the last couple of years, and there had been preventative maintenance done at the Quill [Water Treatment Plant] that involved dredging out the raw intake water ponds, which has greatly improved the water quality being treated. He noted that there was a future study on the Timberline and Lakeview areas on building and redundancy to those pump stations as well as future waterline replacements for Long Street, Curry Street, Fifth Street, and Colorado Street.

(3:24:32) – Mr. Hummel referenced the organizational charts for the Carson City Public Works Water Division and the Carson City Public Works Wastewater Division, both of which are incorporated into the record. He stated that the third year for the closed-caption television (CCTV) inspection of the sewer

# **CARSON CITY UTILITY FINANCE OVERSIGHT COMMITTEE**

## **Draft Minutes of the April 6, 2021 Meeting**

### **Page 5**

lines had been recently completed, and he noted that the Riverview Lift Station on Fifth Street was rebuilt. He announced the following future projects:

- An initial analysis for the dewatering system at the Treatment Plant involving drying the solids in the water using a centrifuge process and disposing the remnants
- Preparing to bid for some electrical upgrades at the Treatment Plant for some of the feeder lines and some of the original circuit breakers

Mr. Hummel noted that “we’re in a pretty good state right now” in terms of staffing with one potential retirement in the upcoming fiscal year, and there have been new staff members that have joined over the last year. He also responded to clarifying questions.

### **3. FOR INFORMATION ONLY: FUTURE AGENDA ITEMS**

(3:32:50) – Chairperson Johnston entertained suggestions for future agenda items; however, none were forthcoming. Mr. Schulz noted that a calendar had not been put together for the rest of the year for UFOC meeting dates because he did not believe that there was a reason to call for a meeting unless there was additional information to present. He suggested contacting via email if there is a need for a meeting or if the Members have an item they would like to discuss.

(3:37:00) – Member Knecht congratulated and thanked Staff and consultants, and he complimented them for a “really good job today.”

(3:37:23) – Vice Chairperson Bowling pointed out that former Members Michael Bennett and Bruce Scott were “outstanding resources,” having served on the Committee for “a long, long time,” and he commented that they “added so much to the success of the program.” Chairperson Johnston noted that he was very impressed during his time on the Committee by Mr. Bennett and Mr. Scott.

### **4. PUBLIC COMMENTS**

(3:38:58) – Chairperson Johnston entertained public comments; however, none were forthcoming.

### **5. FOR POSSIBLE ACTION: TO ADJOURN**

**(3:39:08) – Chairperson Johnston adjourned the meeting at 3:39 p.m.**

The Minutes of the April 6, 2021 Carson City Utility Finance Oversight Committee meeting are so approved this 24 day of January 2022.



# STAFF REPORT

Item No. 2a

Report To: Utility Finance Oversight Committee

Meeting Date: January 24, 2022

Staff Contact: Andy Hummel, Wastewater Utility Manager

Agenda Title: For Information Only: Presentation and discussion of Manager's report on personnel, projects and planning. (Andy Hummel, ahummel@carson.org and Eddy Quaglieri, equaglieri@carson.org)

Staff Summary: Manager's report on personnel changes, projects and planning.

Agenda Action: Other/Presentation

Time Requested: 15 minutes

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## Proposed Motion

For information only.

## Board's Strategic Goal

N/A

## Previous Action

N/A

## Background/Issues & Analysis

N/A

## Applicable Statute, Code, Policy, Rule or Regulation

N/A

## Financial Information

Is there a fiscal impact? ☐ Yes ☒ No

If yes, account name/number:

Is it currently budgeted? ☐ Yes ☒ No

Explanation of Fiscal Impact:

## Alternatives

**Committee Action Taken:**

Motion: \_\_\_\_\_

1) \_\_\_\_\_

2) \_\_\_\_\_

Aye/Nay

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
(Vote Recorded By)





# Carson City

## Water, Wastewater, and Stormwater Update

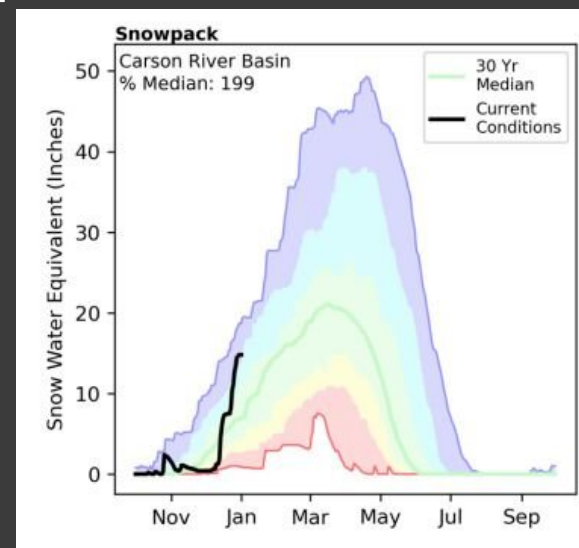
UFOC  
January 24, 2022



# Water Resources Update



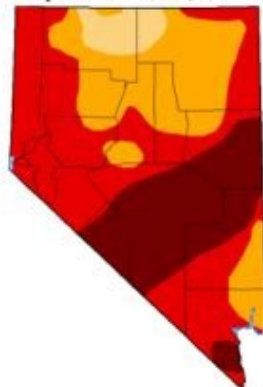
- Jan 4, 2022 Snow Water Equivalent Update (199% of median)



- Drought Monitor
  - Jan 4, 2022

## U.S. Drought Monitor - Nevada

September 28, 2021



Intensity:

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

January 4, 2022



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	68.07	24.21	7.50
Last Week 12-28-2021	0.00	100.00	100.00	89.27	28.13	7.50
3 Months Ago 10-05-2021	0.00	100.00	100.00	95.18	67.60	25.02
Start of Calendar Year 01-04-2022	0.00	100.00	100.00	68.07	24.21	7.50
Start of Water Year 09-28-2021	0.00	100.00	100.00	95.18	67.60	25.02
One Year Ago 01-05-2021	0.00	100.00	99.71	91.18	72.49	23.68



# Overview Water Production

## ● 2020

- Summer Peak Demand (MGD) 17.65
- Yearly Demand (AF) 11,295

## ● 2021

- Summer Peak Demand (MGD) 17.89
- Yearly Demand (AF) 11,387



# Water Projects/Studies Updates

## Water Capital Projects

- Permanent Generators at Well 55, 24, 41, 3
- Rehabilitating Well 44 and 24B
- Water line replacement
  - Long St. Replace 100-year-old steel main
  - 10<sup>TH</sup> and Curry (Looping and Redundancy)
- Water Tank Rehab
  - Goni Canyon Tank Starting March 2022
- Quill WTP Upgrade Update
  - Process Selection Done Conventional Packaged Treatment 6 MGD
  - 15% Design Done working toward 30%



## Water Studies

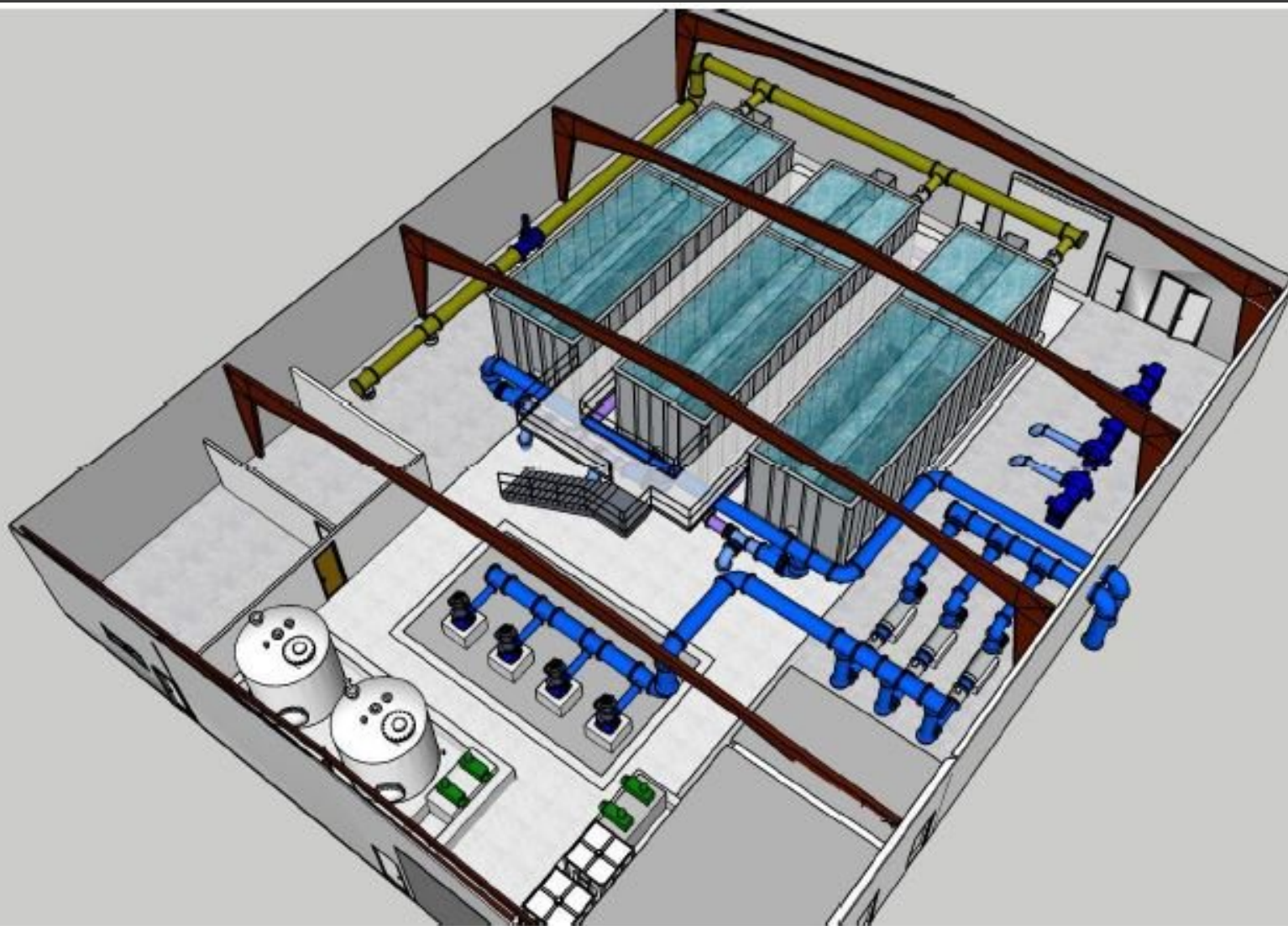
- Lakeview Timberline Pump Station Study
- Iron and Manganese Treatment Study
- Rehabilitation programs for Wells and Tanks

## Staffing is Status Quo





# Quill WTP Upgrade



# Quill Upgrade 15% Costs Comparison



## Alternative Opinion of Cost

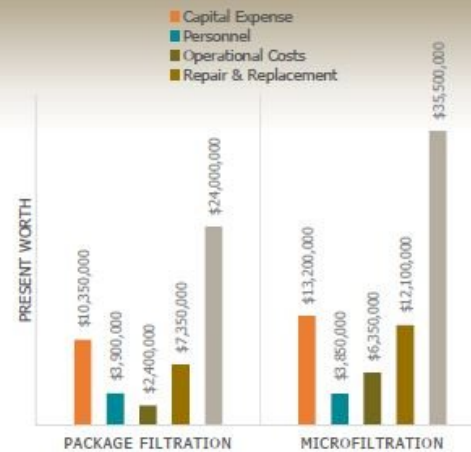
Component	Package Filtration	Microfiltration
Influent Storage	\$5,450,000	\$5,450,000
Rapid Mix	\$490,000	\$400,000
Influent Pumping	\$0	\$0 <sup>1</sup>
Filtration System	\$7,350,000	\$10,700,000 <sup>2</sup>
Chemical Feed System	\$610,000	\$380,000
UV <sup>3</sup>	\$1,000,000	\$1,000,000
Effluent Pumping	\$1,050,000	\$0
Backwash Basins	\$1,050,000	\$1,050,000
Backwash to Sewer	\$1,100,000	\$1,100,000
Backwash Recovery	\$900,000	\$900,000
Office	\$0	\$300,000
<b>Total</b>	<b>\$12,450,000</b>	<b>\$15,850,000</b>
Estimated Useful Life	30	29

<sup>1</sup> Influent pumping included in membrane filtration cost  
<sup>2</sup> CIP equipment included in membrane filtration cost  
<sup>3</sup> UV/disinfection requirements from NDEP are still unknown

Add a footer

Jacobs  LUMOS  
ASSOCIATES

## Alternative Life Cycle Cost



Item Cost	Package Filtration	Microfiltration
Capital Expense	\$ 816,086	\$ 1,039,280
Personnel	\$ 229,600	\$ 226,800
O&M	\$ 139,700	\$ 373,500
Repair & Replacement	\$ 432,500	\$ 709,800
<b>Total</b>	<b>\$ 1,617,900</b>	<b>\$ 2,349,400</b>

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WATERS



# Overview Wastewater Treatment

## 2020

- Average Daily Flow (MGD) 4.89
- Peak Daily Flow (MGD) 5.91 June 21<sup>st</sup>
- Total Volume Treated (AF) 506

## 2021

- Average Daily Flow (MGD) 4.80
- Peak Daily Flow (MGD) 7.39 October 25<sup>th</sup>
- Total Volume Treated (AF) 486



# Wastewater Updates

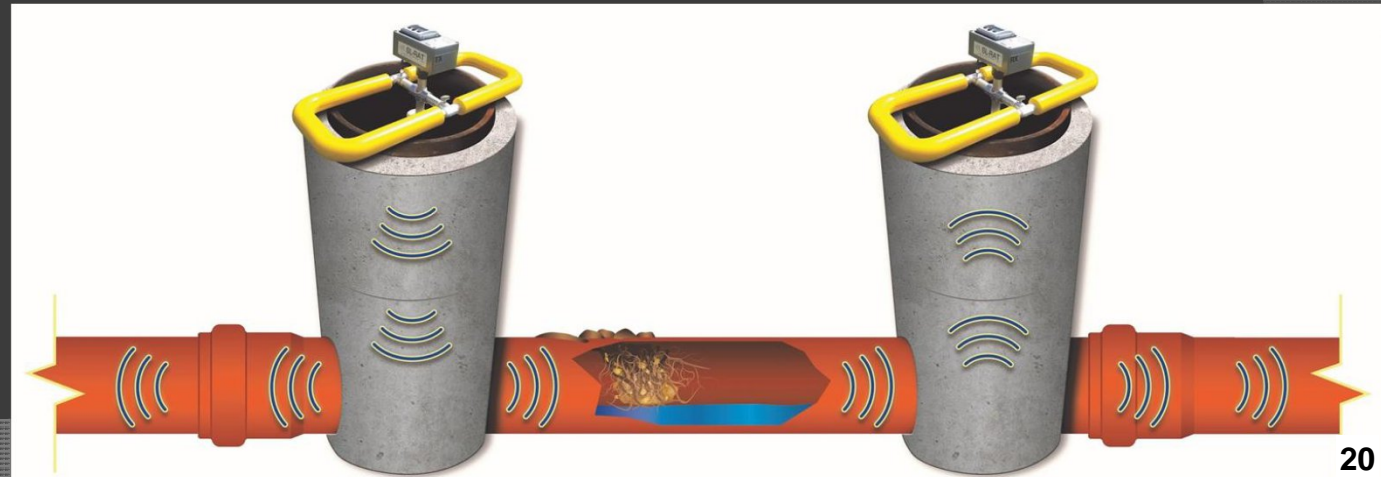
## Wastewater Capital Projects

- WRRF Electrical Upgrades
- Pipeline replacement
  - Long Street
  - Robinson area
- South Carson Septic Conversion

## Wastewater Studies

- Solids Handling Dewatering Technologies
- Pipeline Assessment Program

## Staffing





# Overview Stormwater Program

- Annual Report Completed
  - NDEP Permit Compliance
- October Storm Event
- Stormwater Projects
- Staffing





# STAFF REPORT

Item No. 2b

Report To: Utility Finance Oversight Committee

Meeting Date: January 24, 2022

Staff Contact: Andy Hummel, Wastewater Utility Manager

Agenda Title: For Information Only: Presentation and discussion of draft 5-year Capital Improvement Plans for Water, Wastewater, and Stormwater Utilities. (Andy Hummel, ahummel@carson.org and Eddy Quaglieri, equaglieri@carson.org)

Staff Summary: Draft 5-year Capital Improvement Plans for the Water, Wastewater, and Stormwater Utilities have been prepared for the upcoming FY 2022-23 Fiscal Year Budget.

Agenda Action: Other/Presentation

Time Requested: 20 minutes

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## Proposed Motion

For information only.

## Board's Strategic Goal

N/A

## Previous Action

N/A

## Background/Issues & Analysis

N/A

## Applicable Statute, Code, Policy, Rule or Regulation

N/A

## Financial Information

Is there a fiscal impact? ☐ Yes ☒ No

If yes, account name/number:

Is it currently budgeted? ☐ Yes ☒ No

Explanation of Fiscal Impact:

## Alternatives

**Committee Action Taken:**

Motion: \_\_\_\_\_

1) \_\_\_\_\_

2) \_\_\_\_\_

Aye/Nay

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
(Vote Recorded By)



# Carson City Utilities

## Capital Improvement Plan Update

UFOC  
January 24, 2022





# Water Draft CIP



Description					
	2023	2024	2025	2026	2027
Well Rehabilitation/Replacement Program	200,000	400,000	200,000	200,000	200,000
Water Line Replacement/Rehabilitation Program			2,100,000	2,100,000	2,100,000
East William Complete Street Project	1,040,000	1,560,000			
Tank Maintenance Program		300,000		300,000	350,000
Emergency Generator Program			250,000		
Replacement Pumps Motor Program	150,000	150,000	150,000	150,000	150,000
Fleet Replacement Program	265,000	265,000	250,000	250,000	400,000
Equipment Repair and Maintenance Program	100,000	100,000	100,000	100,000	
Communications-Fiber-SCADA	75,000		70,000	70,000	
Facility Improvements	175,000	175,000	125,000	125,000	125,000
Quill Treatment Plant Rehabilitation	9,000,000				
Pressure Reducing Stations	125,000		75,000	75,000	300,000
Arsenic Treatment Plant			225,000		
Booster Stations			640,000		
Total Capital Projects	11,130,000	2,950,000	4,185,000	3,370,000	3,625,000

# Wastewater Draft CIP



Description					
	2023	2024	2025	2026	2027
Wastewater Line Replacement/Rehabilitation Program	1,663,685	1,304,528	2,500,000	2,500,000	2,500,000
Communications-Fiber/SCADA	40,000	40,000	40,000	40,000	40,000
Lift Station Reconstruction/Expansion		500,000			
Equipment Repair and Maintenance WRRF/Lines	360,000	300,000	360,000	360,000	360,000
Facility Repair and Maintenance WRRF/Lines	175,000	175,000	175,000	175,000	175,000
Fleet Replacement Program	235,000	65,000	100,000	225,000	1,000,000
Groundwater Protection-Wastewater Maintenance	50,000	50,000	50,000	50,000	50,000
Reuse-Distribution System Rehabilitation Program	250,000	650,000	1,108,000		
Williams Street Sewer Rehabilitation	826,315	1,239,472			
Headworks-Screw Pump Rehabilitation	182,000				
Dewatering System Upgrades and Rehabilitation		126,000			
Primary Clarifier #2 Rehabilitation			792,000		
Odor Control Upgrades				500,000	500,000
Facility Plan Update		250,000			
Warehousing and bathroom upgrades WRRF	800,000				
Septic Conversion Program	1,000,000			1,500,000	
Total Capital Projects	5,582,000	4,700,000	5,125,000	5,350,000	4,625,000

# Stormwater Draft CIP



Description	5-Year CIP				
	2023	2024	2025	2026	2027
City-Wide Small Stormwater Improvements	250,000	250,000	250,000	250,000	250,000
Flood Emergency Equipment	150,000	150,000	150,000		
Stormwater Fleet	510,000	305,000	160,000	154,000	
Goni Wash Drainage Basin, Channels, and System	100,000				
Vicee Watershed Access Management	150,000				
Northwest Drainage Improvements	700,000				
East William Street Complete Street Project	196,000	294,000			
Saliman and Mills Park Drainage Improvements		1,000,000			
Carmine Street Drainage Improvements		1,100,000			
Panamint and Merrimac Drainage Improvements		150,000			
Sean Drive (Baker to Gillis) Drainage Improvements		120,000			
Downtown System Replacement and Rehabilitation			600,000		
A & B Drainage Basins, Channels, and System			1,500,000		
N Carson Street Drainage Improvements			450,000		
Empire System Drainage Improvements			300,000	800,000	
Airport Road West Area Drainage Improvements				350,000	
Rand Avenue Drainage Improvements				600,000	
Voltaire Canyon Channel and System Improvements				1,000,000	1,500,000
Goni Drainage Basin					1,800,000
Total Capital Projects	2,056,000	3,369,000	3,410,000	3,154,000	3,550,000