

CLACKAMAS RIVER WATER  
BOARD OF COMMISSIONERS  
REGULAR MEETING



Clackamas River Water

Held at 16770 SE 82<sup>nd</sup> Dr. Clackamas, OR 97015

This Meeting will have both an in person and remote option for attending  
February 16, 2023 at 6:00pm

AGENDA

**Public Comment:** If there is a member of the public that wishes to address the Board, they are encouraged to submit a request through email to [kholzgang@crwater.com](mailto:kholzgang@crwater.com) no later than 4pm the day of the meeting.

Members of the public are welcome to speak for a maximum of three minutes, citizens must state their name, address, if they are a customer or not for the record. Public comment provided at the *beginning* of the agenda will be reserved for comment on agenda items, special presentations, letters, and complaints. Public comment as listed at the *end* of the agenda will be for the purpose of “wrapping up” any remaining concerns.

Anyone who wishes to attend the meeting remotely may do so by internet at <https://us02web.zoom.us/j/81375670275> or by calling the following number 1-253-215-8782 and join meeting/ 81375670275 4#. **Passcode: 543398**

**REGULAR MEETING @ 6:00pm**

Call to Order, Pledge of Allegiance and Roll Call – *Sberry French, Board President*

- a. Approval of the Agenda

**Public Comment** (*see blue box at the top of the agenda*)

**Introduction of Budget Committee Applicants**

Introduction of Applicants for the Budget Committee Vacancies

**Action Items**

1. **Resolution 09-2023 Appointment for 4-year term to Budget Committee for the Biennium 2023-2025-** *Jason Kirkpatrick, Chief Financial Officer*

**Presentation**

**Presentation-** Audit Presentation for Fiscal Year 2022- *Julie Desimone, Moss Adams*

**Action Items**

2. **Acknowledge Receipt of the 2022 Annual Comprehensive Financial Report** – *Jason Kirkpatrick, Chief Financial Officer*

**Consent Agenda**

- CA-1: **Gross Payroll and Accounts Paid: January 2023**– *Jason Kirkpatrick, Chief Financial Officer*
- CA-2: **Cash Position and Transfers: January 2023**– *Jason Kirkpatrick, Chief Financial Officer*

**Informational Reports**

3. **Quarterly Report-2<sup>nd</sup> Quarter FY 2023-** *Jason Kirkpatrick, Chief Financial Officer*
4. **Overview of Lead and Copper Rule Revisions- Service Line Inventory Requirement** - *Adam Bjornstedt, Chief Engineer*

**NEXT PAGE**

5. Management Report – *Todd Heidgerken, General Manager*
6. Public Comment (*see blue box at the top of the agenda*)

**Commissioner Business**

7. Commissioner Reports and Reimbursements

*Adjourn regular meeting*

**CLACKAMAS RIVER WATER**

**BOARD WORK SESSION**

**February 16, 2023**

**SUBJECT** Introduction of Budget Committee Applicants

**DRAFT MOTION** N/A

**EFFECTIVE DATE**

**PRINCIPAL STAFF PERSON** CRW Board of Commissioners

**BOARD ACTION REQUESTED**

**DOCUMENTS ATTACHED** Budget Committee Applications

**Agenda Summary**

**BACKGROUND** CRW has three (3) citizen vacancies on the budget committee. The request for budget committee applicants was posted on the CRW Website, sent to the distribution list, and posted in two billing inserts. Three applications were received by the January 13 deadline. The Board will be filling the vacancies under Agenda Item #1.

**ANALYSIS**



Clackamas River Water

Karin Holzgang <kholzgang@crwater.com>

### Budget Committee Application Copy [#3]

1 message

Wufoo <no-reply@wufoo.com>

Sat, Jan 7, 2023 at 9:52 AM

Reply-To: no-reply@wufoo.com

To: kholzgang@crwater.com

Name \* Tim Fisher

Phone Number \*



Occupation \* Retired

Employer \* Retired

Years of Residence as a Clackamas River Water Ratepayer \* 21

Education Background \* BS University of Oregon 1974

Professional or Vocational Background \* 44 years of engineering and sales in forest products processing machinery focused on the veneer and plywood industry.

Prior Civic Activities \* 20 year member of Trick N Racy classic car club sponsoring 4 cruise events in Oregon City area.  
8 year volunteer coach of Oregon City area grades 3-8 football and basketball teams.

Briefly explain why you want to serve on the CRW budget committee. \* As a rate payer for 20 years I would like to assist in the continued operation of Clackamas River Water as one of the best high quality water and service providers in the state of Oregon.

By clicking below, I certify that all statements on this application are true and complete to the best of my knowledge. I understand false or incomplete statements shall be sufficient cause for disqualification or dismissal.

- Yes, I understand and agree to the terms listed above.

Do you understand and agree to the terms listed above? \*





Clackamas River Water

Karin Holzgang <kholzgang@crwater.com>

### Budget Committee Application Copy [#4]

1 message

Wufoo <no-reply@wufoo.com>

Thu, Jan 12, 2023 at 11:08 AM

Reply-To: no-reply@wufoo.com

To: kholzgang@crwater.com

Name \* Paul Leipzig

Phone Number \* (

Address \* 

Occupation \* Retired

Employer \* None

Years of Residence as a Clackamas River Water Ratepayer \* 8

Education Background \* Please see previous application

Professional or Vocational Background \* Same

Prior Civic Activities \* Same

Briefly explain why you want to serve on the CRW budget committee. \* Same

By clicking below, I certify that all statements on this application are true and complete to the best of my knowledge. I understand false or incomplete statements shall be sufficient cause for disqualification or dismissal.

- Yes, I understand and agree to the terms listed above.

Do you understand and agree to the terms listed above? \*



Clackamas River Water

Carol Bryck <cbryck@crwater.com>

## Budget Committee Application [#11]


1 message

Wufoo <no-reply@wufoo.com>  
Reply-To: no-reply@wufoo.com  
To: cbryck@crwater.com

Sun, Nov 8, 2020 at 10:59 AM

Name \* Paul Leipzig

Phone Number \*

Address \*   
United States

Email

Occupation \* Retired

Employer \* none

Years of Residence as a Clackamas River Water Ratepayer \* 6

Education Background UC Berkeley Bachelor Degree Plant Ecology

Professional or Vocational Background \*  
5yrs with the Natural Resources Conservation Service  
30yrs in Banking

Prior Civic Activities \* Participation in various community organizations including: Chamber of Commerce, Rotary, Agricultural Organizations and Homeowners Associations.

Briefly explain why you want to serve on the CRW budget committee. \* I view this as an opportunity to contribute my experience in both financial matters (including budgeting) and environmental and resource management. A chance to give back to the community.

By clicking below I certify that all statements on this application are true and complete to the best of my knowledge. I understand false or incomplete statements shall be sufficient cause for disqualification or dismissal.

Yes, I understand and agree to the terms listed above.

Do you understand and agree to the terms listed above?

# Budget Committee Application Copy

COMPLETE

#2

Applications will be received until 5pm on January 13, 2023

## CREATED



PUBLIC

Nov 29th 2022, 7:27:17 pm

## IP ADDRESS



73.11.89.58

### \* Name

David Shireman

### \* Phone Number

### \* Address

### \* Email

### \* Occupation

Senior Manager, Curriculum Production

### \* Employer

Stride, Inc.

### Employer's Address

11720 Plaza America Drive, Reston

Reston

VA

97045

United States

### Employer's Phone Number

8669687512

### \* Years of Residence as a Clackamas River Water Ratepayer

3

**\* Education Background**

Master of Education, Educational Leadership, Eastern Washington University, Cheney, WA.

Bachelor of Arts, Psychology & German, Whitman College, Walla Walla, WA.

**\* Professional or Vocational Background**

The majority of my professional background has been as a K-12th grade educator, curriculum developer and curriculum design manager. Following are specific roles:

Senior Manager, Curriculum Production, Stride, Inc (formerly K12, inc.) Private educational company, work remotely. This role has progressed from instructional designer to team leader and then senior manager from 2007 to present.

Senior Project Manager (instruction and Curriculum), HOSTS Learning, private educational company. This role progressed from curriculum specialist to senior manager from 2000 to 2007.

Classroom teacher and Administrative Intern, Milton-Freewater School District, Milton-Freewater, OR. This role included instructing at grades kindergarten through 6th grade, instruction in Spanish, and instruction of English Language Development from 1995 to 2000.

**\* Prior Civic Activities**

Legislative Intern, Office of Vice President Dan Quayle, Washington, DC, 1992. Volunteer Firefighter, College Place, WA, 1993-1996. Planning Commissioner, City of College Place, WA, 1995-1997. Meals on Wheels Weekly Volunteer, 2011-2014. Men's Lacrosse Referee and Scorekeeper, Oregon Youth Lacrosse Association/Oregon High School Lacrosse Association, 2012-present. Member, Clackamas River Water Budget committee, 2021-present.

**\* Briefly explain why you want to serve on the CRW budget committee.**

I have found my current term of service on the CRW budget committee to be both enlightening and rewarding. A community's water system is vital to its health and well-being. The manner in which that water system is managed and its impact on the greater environment is important in both the short term (will there be enough clean, usable water for the community in the immediate future?) and the long term (are the practices being used to manage the resource sustainable into the future?) I have very much enjoyed getting a view into the complexities of managing this important aspect of our community's natural resources while doing my small part to help in the process.

I am generally familiar with the complexities of running a municipal or special district agency such as this, including staffing, budgetary constraints, regulatory practices, and community interest, and I understand that such organizations need budget committee members who will review the budget proposal, provide feedback and monitor activities. I recognize that such a role is advisory and is not to manage staff or overstep into the board's role. Instead, it is to receive the proposed budget and consider, from multiple view points, if that budget will meet the organization's needs while also upholding sound fiscal practices.

I hope that I can continue my membership on the CRW budget committee and can continue to contribute to CRW as a whole.

**\* By clicking below, I certify that all statements on this application are true and complete to the best of my knowledge. I understand false or incomplete statements shall be sufficient cause for disqualification or dismissal. Do you understand and agree to the terms listed above?**

Yes, I understand and agree to the terms listed above.



CLACKAMAS RIVER WATER

REGULAR BOARD MEETING

February 16, 2023

SUBJECT Resolution 09-2023 Appointments for Four-year term to Budget Committee beginning with Biennium 2023-2025

DRAFT MOTION	I move that the CRW Board adopt resolution No. 09-2023 appointing Tim Fisher, Paul Leipzig and David Shireman as Budget Committee citizen members for four-year terms beginning with the Biennium 2023-2025.
EFFECTIVE DATE	February 16, 2023

PRINCIPAL STAFF PERSON Jason Kirkpatrick, Chief Financial Officer

BOARD ACTION REQUESTED Approve Resolution No. 09-2023 appointing citizen members of the budget committee for four-year terms beginning with the Biennium 2023-2025 budget.

DOCUMENTS ATTACHED Resolution 09-2023

Agenda Summary

BACKGROUND Oregon Local Budget Law under ORS 294.414 (2) requires each local government and special district to appoint a budget committee consisting of the governing body and an equal number of electors.

Board Policy Section 3.1 Formulation of Budget Documents states: Within the budget process the Board shall appoint the Budget Committee membership, appoint the CRW Budget Officer and adopt the budget.

Section 3.2 Budget Committee – Membership and Responsibilities states: The Budget Committee shall consist of five (5) members of the Board of Commissioners and five (5) community members. Board members shall be responsible for recommending a candidate for consideration and subsequent appointment by the Board of Commissioners, for a four (4) year term.

The District has three openings for four-year terms. Budget committee members are expected to attend the public meeting(s) to receive the budget message, receive comments and questions from interested citizens, deliberate on the budget, and when satisfied approve the budget. This could take one or more meetings.

Budget committee members (elected or appointed) cannot receive compensation for attending the budget committee meetings.

## ANALYSIS

CRW has three (3) vacant positions on the budget committee for the Biennium 2023-2025.

The vacant budget committee positions were advertised in the October and December 2022 billing statements and on the CRW website.

Three applications were received for appointment to the three vacant positions on the CRW Budget Committee.

# CLACKAMAS RIVER WATER

## RESOLUTION No. 09-2023

### APPOINTMENTS TO BUDGET COMMITTEE FOR THE BIENNIUM 2023-2025

WHEREAS, it is recommended by the Oregon Local Budget Law to have equal lay member representation to elected Board Members; and

WHEREAS, some of the Clackamas River Water citizen Budget Committee members' terms of office have expired and need to be replaced or renewed; and

WHEREAS, Clackamas River Water Board of Commissioners adopted Resolution Number 05-2015 adopting a budget period of 24 months as provided in ORS 294.323; and

WHEREAS, the Budget Committee will be appointed to four (4) year terms per ORS 294.414 (6); and

NOW, THEREFORE, BE IT RESOLVED, by the Clackamas River Water Board of Commissioners that the following named individuals shall serve on the Budget Committee:

<u>Budget Member</u>	<u>Budgets</u>	
Tim Fisher	BN 2023-25, 2025-27	4-year term
Paul Leipzig	BN 2023-25, 2025-27	4-year term
David Shireman	BN 2023-25, 2025-27	4-year term

ADOPTED by the Clackamas River Water Board of Commissioners this 16th day of February 2023.

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Sherry French, President

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Naomi Angier, Secretary

**CLACKAMAS RIVER WATER**

**BOARD WORK SESSION**

**February 16, 2023**

**SUBJECT** Presentation – Audit Presentation for Fiscal Year 2022

<b>DRAFT MOTION</b>	N/A
<b>EFFECTIVE DATE</b>	

**PRINCIPAL STAFF PERSON** Julie Desimone, Moss Adams

**BOARD ACTION REQUESTED** None. For informational purposes only.

**DOCUMENTS ATTACHED**

**Agenda Summary**

**BACKGROUND** Moss Adam will present their audit findings from the audit of our financial statements for the year ending June 30, 2022. The Oregon Secretary of State Audits division administers Municipal Audit Law to ensure local governments comply. Municipal Audit Law (Oregon Revised Statutes 297.405 to 297.990) requires Oregon’s local governments to submit annual financial reports to the Secretary of State.

**ANALYSIS** The audit was completed, and the audit opinion was issued January 12, 2023. Moss Adams issued an unmodified opinion stating the basic financial statements present fairly in all material respects, the financial position of Clackamas River Water as of June 30, 2022 and 2021, and the results of its operations and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America. The Annual Comprehensive Financial Report (ACFR) was submitted to the State Audits Division and to the Municipal Securities Rulemaking Board in compliance with continuing disclosure for our outstanding bond issues on January 27, 2023.





MOSSADAMS



# Clackamas River Water

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Communication with Those Charged with  
Governance



# Agenda

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1. Nature of Services Provided
2. Significant Audit Areas
3. Auditor Opinions / Reports
4. Required Communications
5. Best Practices
6. Upcoming Accounting Standards



# Nature of Services Provided

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1

Independent Auditors' Report on the financial statements of Clackamas River Water

2

Assistance with, and technical review of the financial statements for compliance with GAAP

3

Disclosures and Independent Auditors' Comments Required by the Minimum Standards for Audits of Oregon Municipal Corporations

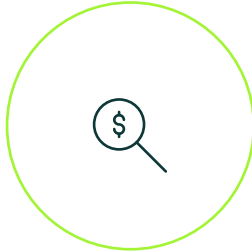
4

Communication to Those Charged with Governance



# Significant Audit Areas

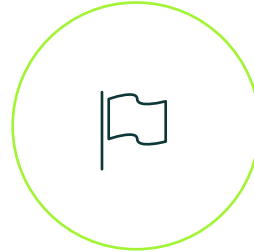
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**WORK ORDERS-  
CLASSIFICATION**



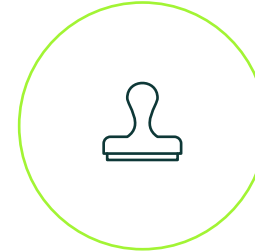
**CUSTOMER BILLINGS -  
ACCURACY**



**PENSION  
LIABILITIES -  
VALUATION**



**CONSISTENT  
APPLICATION OF  
INTERNAL  
CONTROLS**



**COMPLIANCE  
WITH FEDERAL  
LAWS AND  
REGULATIONS  
AND OREGON  
MINIMUM  
STANDARDS**







# Audit Opinion/ Reports

Financial  
Statements

Unmodified  
(clean) opinion  
on financial  
statements

Oregon  
Minimum  
Standards

No reportable  
findings

Communication  
to Those  
Charged with  
Governance

Best practice  
recommendations



# Required Communications

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- Planned scope and timing
- Significant accounting policies
- **Audit adjustments – No audit adjustments**
- Management's consultation with other accountants
- No disagreements with management
- No difficulties in performing the audit
- **New Standard Implemented – GASB 87 - Leases**





# Internal Control Communications

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- **Material Weaknesses – None**
- **Significant Control Deficiency – None to Report**



**THANK  
YOU**

Assurance, tax, and consulting offered through Moss Adams LLP. Wealth management offered through Moss Adams Wealth Advisors LLC. Investment banking offered through Moss Adams Capital LLC.



# CLACKAMAS RIVER WATER

## REGULAR BOARD MEETING

February 16, 2023

**SUBJECT** Acknowledge receipt of the Audited financial Statements for Fiscal Year 2022

<b>DRAFT MOTION</b>	I move the Board acknowledge receipt of the Fiscal Year 2022 Annual Comprehensive Financial Report ending June 30, 2022.
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<b>EFFECTIVE DATE</b>	February 16, 2023
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**PRINCIPAL STAFF PERSON** Jason Kirkpatrick, Chief Financial Officer

**BOARD ACTION REQUESTED** Acknowledgement of FY 2021-22 Annual Comprehensive Financial Report (ACFR) and Audit as presented by Moss Adams, LLC.

**DOCUMENTS ATTACHED** Audit is available at <https://crwater.com/financial-reports-documents/> (Click on “Fiscal Year 2022 Annual Financial Report”). Printed copies have been provided to the Commissioners.

### Agenda Summary

**BACKGROUND** As required by ORS 297.405 et. seq., CRW has completed the annual audit of the financial statements for fiscal year ending June 30, 2022. The audit was performed by Moss Adams LLC. Julie Desimone, Partner at Moss Adams, will present the results of the audit at the February 16, 2023, regular meeting. The FY 2022 ACFR has received an unmodified “clean” opinion, meaning the basic financial statements present fairly, in all material respects, the financial position of CRW as of June 30, 2022 and 2021.

Copies of the FY 2022 Annual Comprehensive Financial Report (ACFR) have been provided to the Board of Commissioners, and will be sent to Budget Committee members, rating agencies, and other interested parties.

**STAFF RECOMMENDATION** Acknowledge receipt of the fiscal year 2022 ACFR

# CLACKAMAS RIVER WATER

Agenda Item –  
CA-1

## REGULAR BOARD MEETING

February 16, 2023

**SUBJECT** Gross Payroll and Accounts Paid

**DRAFT MOTION** Move to approve the consent agenda items as presented

**EFFECTIVE DATE** February 16, 2023

**PRINCIPAL STAFF PERSON** Jason Kirkpatrick, Chief Financial Officer

**BOARD ACTION REQUESTED** Acknowledge receipt of information as part of the approval of the consent agenda.

**DOCUMENTS ATTACHED**

- 1) Earnings Statements for January 2023, Payrolls – 2 payrolls - \$383,687
- 2) Monthly Check History for January 2023 - \$746,778 (net)



# Earnings Statement

	First No.	Last No.	Total
Checks:	ADPCHECK	ADPCHECK	0000000000
Vouchers:	00000040001	00000040040	00000000010

SEAT 312 TOTAL DOCUMENT  
 CLACKAMAS RIVER WATE  
 LOCATION 0001

## CHECK STUFFING, RECONCILIATION

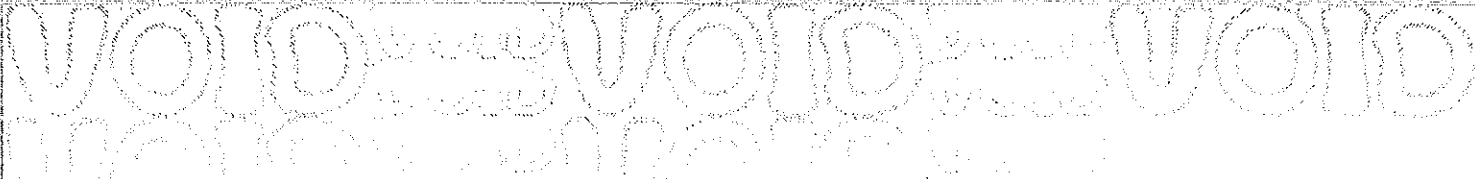
194811.65 GROSS  
 102868.45 NET PAY (INCLUDING ALL DEPOSITS)  
 19821.08 FEDERAL TAX  
 11582.21 SOCIAL SECURITY  
 2708.73 MEDICARE  
 .00 MEDICARE SURTAX  
 .00 SUI/DI/FLI/MLI TAX  
 10455.17 STATE TAX  
 .00 LOCAL TAX  
 130677.56 DEDUCTIONS  
 19566.90 NET CHECK

**SEAT COMPANY CODE 312**  
**CLACKAMAS RIVER WATE**  
**TOTAL DOCUMENT**  
**LOCATION 0001**

03/1998, 2006, ADP, Inc. All Rights Reserved.

TEAR HERE

VERIFY DOCUMENT AUTHENTICITY - COLORED AREA MUST CHANGE IN TONE GRADUALLY AND EVENLY FROM DARK AT TOP TO LIGHTER AT BOTTOM



**NON-NEGOTIABLE - VOID - NON-NEGOTIABLE**  
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**Monthly Check History Listing**  
 Clackamas River Water  
 1/1/2023 to 1/31/2023

apCkHist  
 01/31/2023 2:47PM

Bank code: apbank

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
6182	01/04/2023	00095 ING	VOLUNTARY PAYROLL DEDUCTION: DEFER COMP	PR 12/30/22	5,037.81	5,037.81
6183	01/04/2023	00336 CITISTREET - STATE OF OREGON	VOLUNTARY PAYROLL DEDUCTION: DEFER COMP	PR 12/30/22	2,496.24	2,496.24
6184	01/11/2023	00029 OREGON PERS	PERS PMT: 1514463,1515162,1515708,151605	08/06-08/20/2022	78,083.94	78,083.94
6185	01/11/2023	04390 OMEGA PROCESSING	DECEMBER 2022 PAYMENT PROCESSING (MERCHA	DECEMBER 2022	18,414.56	18,414.56
6186	01/18/2023	01959 US BANK	MERCHANT BILLING DECEMBER 2022	MB DECEMBER	178.21	178.21
6187	01/18/2023	01959 US BANK	CUSTOMER ANALYSIS - DECEMBER 2022	CAS DECEMBER	960.09	960.09
6188	01/18/2023	00095 ING	VOLUNTARY PAYROLL DEDUCTION: DEFER COMP	PR 01/13/23	28,682.62	28,682.62
6189	01/18/2023	00336 CITISTREET - STATE OF OREGON	VOLUNTARY PAYROLL DEDUCTION: DEFER COMP	PR 01/13/23	2,498.04	2,498.04
6190	01/18/2023	01959 US BANK	ALL IN ONE MOBILITY	12/26/22	1,125.00	
			NW NATURAL 8004224012	12/26/22 PAYABLEh	947.42	
			IN *FASTRAK SOFTWARES 262	12/26/22 RAYa	938.40	
			ELEPHANT'S DELICATESSEN -	12/26/22 HOLZANGm	718.50	
			LIFETECHCORPORATION	12/26/22 TRIPLETtd	653.00	
			AMZN MKTP US*HW72H7A12	12/26/22 HOLZANGb	573.85	
			LIFETECHCORPORATION	12/26/22 TRIPLETb	557.00	
			NW NATURAL 8004224012	12/26/22 PAYABLEf	547.29	
			NASPO	12/26/22 VOYLESb	334.60	
			DIALOGTECHINC	12/26/22 KEBOUNNAMb	323.68	
			AMAZON.COM*YP042CO3 AMZN	12/26/22 KEBOUNNAMd	279.98	
			SQ *CLACKAMAS FIRE DISTRI	12/26/22 MCGINNISe	260.00	
			SQ *CLACKAMAS FIRE DISTRI	12/26/22 MCGINNISf	260.00	
			SQ *CLACKAMAS FIRE DISTRI	12/26/22 MCGINNISb	260.00	
			SQ *CLACKAMAS FIRE DISTRI	12/26/22 MCGINNISc	260.00	
			EVENT* 2023 SDAO ANNUA	12/26/22 HOLZANGe	230.00	
			EVENT* 2023 SDAO ANNUA	12/26/22 HOLZANGf	230.00	
			EVENT* 2023 SDAO ANNUA	12/26/22 HOLZANGg	230.00	
			NW NATURAL 8004224012	12/26/22 PAYABLEg	223.77	
			FEDEX 95912640	12/26/22 TRIPLETa	221.16	
			THE HOME DEPOT 4017	12/26/22 OPERATIONSf	205.72	
			WATER/WASTEWATER JOBS	12/26/22 CAMPBELLd	185.00	
			CLACKAMAS COUNTY WATER EN	12/26/22 PAYABLEc	182.55	

Monthly Check History Listing

Clackamas River Water  
1/1/2023 to 1/31/2023

Bank code: apbank

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
			NW NATURAL 8004224012	12/26/22 PAYABLEe	174.71	
			BNP MEDIA SUB-ENRARNNEWS	12/26/22 BJORNSTEDT	173.00	
			CLACKAMAS COUNTY WATER EN	12/26/22 PAYABLEd	171.15	
			DEPOSITPHOTOS INC	12/26/22 HOLZGANGa	169.00	
			AMAZON.COM*JU2PP0MK3	12/26/22 KEBOUNNAMig	149.97	
			THE HOME DEPOT 4017	12/26/22 OPERATIONSg	144.85	
			AMAZON.COM*R53J15O33 AMZN	12/26/22 KEBOUNNAMe	139.99	
			FRED-MEYER #0651	12/26/22 SLEIGHT	139.96	
			CLACKAMAS COUNTY WATER EN	12/26/22 PAYABLEb	138.55	
			AMAZON.COM*RL5Y90Q43 AMZN	12/26/22 HOLZGANGk	130.16	
			AMAZON.COM*HW2RN1261	12/26/22 HEIDGERKENa	116.31	
			METRO SOUTH SW DISPOSAL	12/26/22 OPERATIONSi	107.00	
			SQ *EHSCONSULT	12/26/22 MCGINNISd	101.50	
			DNH*GODADDY.COM	12/26/22 KEBOUNNAMa	99.99	
			DNH*GODADDY.COM	12/26/22 KEBOUNNAMh	99.99	
			EVENT* 2023 SDAO ANNUA	12/26/22 HOLZGANGh	95.00	
			PAYPAL *NWOR AWWA NWOR AW	12/26/22 BJORNSTEDTa	92.00	
			PAYPAL *PNWS AWWA	12/26/22 CAMPBELLc	90.00	
			THE HOME DEPOT 4017	12/26/22 RAYe	86.30	
			THE HOME DEPOT #4017	12/26/22 OPERATIONSd	62.94	
			NORTHSIDE FORD TRUCKS	12/26/22 RAYb	62.73	
			HIRINGTHING INC	12/26/22 CAMPBELLa	62.00	
			ADOBE *800-833-6687	12/26/22 KEBOUNNAMf	54.99	
			SQ *COTTON	12/26/22 OPERATIONSa	54.00	
			THE HOME DEPOT #4017	12/26/22 OPERATIONSb	49.97	
			THE HOME DEPOT 4017	12/26/22 OPERATIONSg	49.97	
			AMAZON.COM*3K9B00K83	12/26/22 HEIDGERKENc	49.90	
			DNS MADE EASY	12/26/22 KEBOUNNAMc	49.90	
			PUNCHBOWL.COM	12/26/22 HOLZGANGc	47.88	
			PAYPAL *NWOR AWWA NWOR AW	12/26/22 TRIPLETTc	46.00	
			FRED-MEYER #0063	12/26/22 BJORNSTEDTc	44.78	
			CARVER HANGER	12/26/22 MCKEVITTB	40.75	
			NEW SEASONS MARKET	12/26/22 HOLZGANGd	39.95	
			TEXACO 0372506	12/26/22 OPERATIONSe	39.30	
			DOLLAR TREE	12/26/22 PAYABLEa	38.75	
			NW NATURAL 8004224012	12/26/22 PAYABLEi	36.66	
			THE HOME DEPOT #4017	12/26/22 OPERATIONSc	35.83	
			AMZN MKTP US*OT61C3M63	12/26/22 HOLZGANGi	33.99	



Bank code: apbank

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
			SUBWAY 42391	12/26/22 BJORNSTEDTb	31.96	
			INTERSTATE ALL BATTERY	12/26/22 RAYd	31.50	
			AMAZON.COM*007QV0503 AMZN	12/26/22 RAYg	31.19	
			AMZN MKTP US*036NC9PJ3	12/26/22 HOLZGANGj	29.99	
			HIRINGTHING INC	12/26/22 CAMPBELLb	29.60	
			OREGON DEPT OF AVIATION	12/26/22 PRESTWOOD	25.00	
			NW NATURAL 8004224012	12/26/22 PAYABLEj	20.74	
			IN *AC'CENT SIGNS, LLC	12/26/22 HOLZGANGn	19.62	
			AMZN MKTP US*HW81N0991	12/26/22 HEIDGERKENb	17.99	
			THE HOME DEPOT #4017	12/26/22 RAYf	17.84	
			HARBOR FREIGHT TOOLS 477	12/26/22 RAYc	15.99	
			AMAZON PRIME*HW6UX2112	12/26/22 VOYLESa	14.99	
			BUZZSPROUT* BUZZSPROUT	12/26/22 MCGINNISa	12.00	
			SAFEWAY #1047	12/26/22 HOLZGANGi	11.98	13,377.03
6191	01/18/2023	00095 ING	VOLUNTARY PAYROLL DEDUCTION: DEFER COMP	PR 01/17/23	29,000.00	29,000.00
6192	01/25/2023	00029 OREGON PERS	PERS PMT:1553123,1553402,1553690,1553123	12-21-01/05/23	35,464.88	35,464.88
94430	01/04/2023	00285 ARAMARK UNIFORM SERVICES INC	ACC. #934649000 - BUILDING MAINT. SUPPLI	5291147916	82.75	82.75
94431	01/04/2023	03472 CREATIVE FINANCIAL STAFFING	TEMP HR SERVICES: ISIAH LEWIS	122520165	1,008.00	1,008.00
94432	01/04/2023	00270 FERRELL GAS	PROPANE TANK HUNTER HEIGHTS	2030201179	903.07	
			PROPANE FOR BEAVERCREEK RES.	1121716681	640.33	
			PROPANE FOR REDLAND RES.	2030201232	290.50	1,833.90
94433	01/04/2023	03240 GARY RUDNIK P HARRANG LONG	LEGAL SERVICES- DECEMBER 2022	99486	4,240.00	4,240.00
94434	01/04/2023	04180 MADRONE TECHNOLOGY GROUP INC.	VOIP MAINTENANCE	2547	3,185.00	
			CONTRACT WORK	2549	1,430.00	4,615.00
94435	01/04/2023	01961 MOSS ADAMS LLP	CLIENT # 607355 - AUDITING SERVICES	102380648	30,000.00	30,000.00
94436	01/04/2023	04242 NORTHWEST MECHANICAL GROUP LLC	OPS BATHROOM FAN REPAIR	29178	978.77	978.77
94437	01/04/2023	00056 OAK LODGE WATER SERVICES DISTR	PAYMENTS FOR SVC TO CRW CUST. IN OAK LOD	01/03/2023	7,210.53	7,210.53
94438	01/04/2023	00306 OFFICE DEPOT INC	ACCT#90261180 - ID#38683228 - OFFICE SUP	284424354001	215.11	215.11
94439	01/04/2023	00373 OREGON AFSCME	UNION DUES	PR 12/30/22	1,054.62	1,054.62

Monthly Check History Listing  
Clackamas River Water  
1/1/2023 to 1/31/2023

Bank code: apbank

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
94440	01/04/2023	00048 OREGON CITY, CITY OF	PAYMENTS FOR SVC TO CRW CUST. IN OREGON	01/03/2023	13,510.47	
			ROW USAGE FEE, 4TH QTR - OREGON CITY RIG	01/01/2023	4,750.38	18,260.85
94441	01/04/2023	00229 RICOH USA, INC.	COPIER LEASE #1021276-3672089 - 12/20 TO	106818424	360.33	360.33
94442	01/11/2023	03612 AKS ENGINEERING & FORESTRY LLC	BEAVER LAKE PUMP STATION	5798-01-10	3,268.13	3,268.13
94443	01/11/2023	04430 ALL ABOUT FLAGGING LLC	9218 SE 55TH AVE	CLKRIV0002	552.00	552.00
94444	01/11/2023	03251 AMERICAN MESSAGING	ACC.#W4-102729 - PAGING SERVICE: 11/01/	W4102729WK	27.76	
			ACC.#W4-102729 - PAGING SERVICE	W4102729XA	13.52	41.28
94445	01/11/2023	00285 ARAMARK UNIFORM SERVICES INC	ACC. #934649000 - BUILDING MAINT. SUPPLI	5291152086	82.75	
			ACC. #934649000 - BUILDING MAINT. SUPPLI	5291112089	82.75	
			ACC. #934649000 - BUILDING MAINT. SUPPLI	5291120851	82.75	248.25
94446	01/11/2023	04307 BEND MAILING SERVICES, LLC	JANUARY PROCESSING & POSTAGE	80657	3,109.56	3,109.56
94447	01/11/2023	00317 CDW GOVERNMENT INC.	ABC POWER MODULE SERVER RUN	DN67409	3,062.71	
			COMPUTER PERIPHERALS & SOFTWARE	DL21592	21.90	3,084.61
94448	01/11/2023	00164 CENTURYLINK	ACC# 503-Z05-0025 691B PHONE SERVICES JA	503Z05-0025	380.17	380.17
94449	01/11/2023	00200 CLACKAMAS COUNTY	ANNUAL PAYMENT FOR ALERTS AND NOTIFICATI	01/05/23		
			ACC. #04370 - TRASH REMOVAL SERVICE - DE	20-5915	200.00	200.00
94450	01/11/2023	00227 CLACKAMAS GARBAGE CO INC	PROJECT PARTICIPATION 2ND QTR FY 2023	DECEMBER 2022	377.49	377.49
94451	01/11/2023	02127 CLACKAMAS RIVER WATERPROVIDERS	CHOP SAW CLUTCH	47	30,277.00	30,277.00
94452	01/11/2023	00188 CLARK'S LAWN & GARDEN EQ., LLC	RADIO INSTALL	6682	329.37	329.37
94453	01/11/2023	04085 COMPLETE WIRELESS SOLUTIONS	RADIO INSTALL	S95966	3,900.40	
			THIRD CONTRACTED FLAGGING VENDOR	S96324	2,068.60	5,959.00
94454	01/11/2023	01361 D & H FLAGGING INC	THIRD CONTRACTED FLAGGING VENDOR	113615	973.90	
			CUST #488054 TRUCK LEASE 01/01-01/31/202	113614	911.81	1,885.71
94455	01/11/2023	03504 ENTERPRISE FLEET MANAGEMENT	TOILET PARTS	FBN4653751	635.72	635.72
94456	01/11/2023	01844 FERGUSON ENTERPRISES INC	TWO INCH CONDUIT AND PIPE LUBE	1146815	349.67	
			DRILL BITS	0985868	150.60	
			SERVICE CHARGE	0990868	33.89	
				SC507277	2.77	536.93

Monthly Check History Listing  
Clackamas River Water  
1/1/2023 to 1/31/2023

Bank code: apbank

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
94457	01/11/2023	02322 GENERAL PACIFIC INC	106 PCS	1453553	10,812.00	10,812.00
94458	01/11/2023	03887 DBA: NAPA AUTO PARTS GENUINE PARTS CO. INC	AUTO PARTS AND MAINTENANCE ITEMS	4462-377591	158.94	158.94
94459	01/11/2023	00124 H D FOWLER CO INC	REPAIR BAND	16284253	2,808.06	2,808.06
94460	01/11/2023	04321 KEITH MORRIS CONSTRUCTION INC	10040 SE STANLEY	2994	1,450.00	1,450.00
94461	01/11/2023	04423 L&C TRUCKS	22-100 HEADACHE RACK W/INSTALL	17662	1,215.00	1,215.00
94462	01/11/2023	02545 LAKESIDE INDUSTRIES INC	EASY STREET POLMER COLD PATCH	219974	850.00	850.00
94463	01/11/2023	04180 MADRONE TECHNOLOGY GROUP INC.	VOIP SUBSCRIPTION	2558	1,328.00	1,328.00
94464	01/11/2023	01196 METRO	CONTRACT WORK	2572	550.00	1,878.00
94465	01/11/2023	00138 MILWAUKIE, CITY OF	YARD DEBRIS AT HATTANT PUMP STATION	5248813	36.52	36.52
94466	01/11/2023	00306 OFFICE DEPOT INC	ACCOUNT# 24-3520-00 - 6201 SE LAKE RD -	24-3520 11/20-12/20	259.18	259.18
94467	01/11/2023	00048 OREGON CITY, CITY OF	ACCT#90261180 - ID#38683228 - OFFICE SUP	286042402001	80.49	80.49
94468	01/11/2023	00048 OREGON CITY, CITY OF	ACCT#90261180 - ID#38683228 - OFFICE SUP	286048558001	69.30	69.30
94469	01/11/2023	03815 PETROCARD INC	ACCT#90261180 - ID#38683228 - OFFICE SUP	286048559001	6.89	156.68
94470	01/11/2023	00215 RELIABLE FENCE & CONSTRUCTION	PAYMENTS FOR SVC TO CRW CUST. IN OREGON	01/06/2023	4,504.36	4,504.36
94471	01/11/2023	00229 RICOH USA, INC.	PUMPING CHARGES DECEMBER 2022	10/31-11/30/2022	19.14	19.14
94472	01/11/2023	03645 RITZ SAFETY LLC	15-100 WATER QUALITY, 2400 EQUIPMENT AND	C038799	2,028.75	2,028.75
94473	01/11/2023	03548 RIVER CITY ENVIRONMENTAL INC	15-100 WATER QUALITY, 2400 EQUIPMENT AND	C048986	1,922.20	3,950.95
94474	01/11/2023	00024 SOUTH FORK WATER BOARD	4 INCH GALVANIZED PIPE	17677	254.00	254.00
			COPIER LEASE #1021276-3797919 12/10-01/0	106801568	45.75	45.75
			80 PAIRS SAFETY GLASSES	6418740	587.88	587.88
			80 SAFETY VEST	6418738	469.58	1,057.46
			PETERSON CAT	312152618	2,198.21	2,198.21
			LEAK WEBSTER RD	311878665	1,341.38	1,341.38
			MONROE LEAK	313396779	1,341.38	1,341.38
			PETERSON CAT	312093468	897.90	5,778.87
			WATER PURCHASED - DECEMBER 2022	DECEMBER 2022	38,202.94	38,202.94

Monthly Check History Listing  
Clackamas River Water  
1/1/2023 to 1/31/2023

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
94475	01/11/2023	00160 TOP INDUSTRIAL SUPPLY INC	MISN. WATER WORKS SUPPLIES	121956	56.25	56.25
94476	01/11/2023	02801 TRACY TRIPLETT	WATER QUALITY TREATMENT CONFERENCE	11/22/22	746.46	746.46
94477	01/11/2023	02854 VERIZON WIRELESS	ACC.#642537089-00001 CELL PHONE CHARGES	9924278078	25.82	25.82
94478	01/11/2023	00130 WASTE MANAGEMENT OF OREGON	DECEMBER 2022 TRASH REMOVAL SERVICES -	9349387-1574-5	1,998.46	
			DECEMBER 2022 -TRASH REMOVAL SERVICES -	9349388-1574-3	519.36	2,517.82
94479	01/11/2023	02247 WHA INSURANCE AGENCY INC	MERP ADMIN FEE JANUARY 2023	01/06/2023	50.00	50.00
94480	01/18/2023	00002 AMERICAN FAMILY LIFE ASSURANCE	ACC: 0XNX3 - VOL. PAYROLL DEDUCT JANUARY	371097	1,609.60	1,609.60
94481	01/18/2023	04441 JAMES ANDERSON	UB Refund Cst #0008233	Ref000193690	8.07	8.07
94482	01/18/2023	00285 ARAMARK UNIFORM SERVICES INC	ACC. #934649000 - BUILDING MAINT. SUPPLI	5291160997	78.60	78.60
94483	01/18/2023	04438 ALAN BARKER	UB Refund Cst #004537	Ref000193687	16.44	16.44
94484	01/18/2023	04442 JUDY BRUMFIELD	UB Refund Cst #011322	Ref000193691	94.25	94.25
94485	01/18/2023	01546 CASCADE COLUMBIA DIST CO INC	SODA ASH - DENSE - FY2023	856612	6,335.00	6,335.00
94486	01/18/2023	00164 CENTURYLINK	ACC# 77563747 - PHONE SERVICES	624346030	0.03	0.03
94487	01/18/2023	04459 CLACK CO FAC MGMT-S**	UB Refund Cst #014781	Ref000193712	2,561.56	2,561.56
94488	01/18/2023	00519 COLONIAL LIFE	JANUARY 2023, VOLUNTARY PAYROLL DEDUCTIO	77938620105801	276.80	276.80
94489	01/18/2023	03472 CREATIVE FINANCIAL STAFFING	TEMP HR SERVICES: ISIAH LEWIS	123020183	1,695.75	
			TEMP HR SERVICES: ISIAH LEWIS	122510192	1,617.00	
			TEMP HR SERVICES: ISIAH LEWIS	123010185	1,344.00	
			TEMP HR SERVICES: ISIAH LEWIS	122460215	1,018.50	5,675.25
94490	01/18/2023	04436 ARON S EASTBERG	UB Refund Cst #001531	Ref000193685	18.89	18.89
94491	01/18/2023	02944 EMMERT DEVELOPMENT**	UB Refund Cst #030568	Ref000193694	154.74	154.74
94492	01/18/2023	04450 ASHLEIGH EVANS	UB Refund Cst #045205	Ref000193700	162.66	162.66
94493	01/18/2023	00167 GRAINGER INC	PORTABLE SHELTER & CHAIN HOIST	9563845511	707.20	707.20
94494	01/18/2023	04445 GREGORY & JANET GROSZ**	UB Refund Cst #031558	Ref000193695	36.75	36.75

**Monthly Check History Listing**  
Clackamas River Water  
1/1/2023 to 1/31/2023

Bank code: apbank

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
94495	01/18/2023	00124 H D FOWLER CO INC	WATERWORKS PARTS & MATERIALS - REDLAND	16290879	48,649.76	
			WATERWORKS PARTS & MATERIALS - REDLAND	16291941	32,135.48	
			WATERWORKS PARTS & MATERIALS - REDLAND	16291711	30,399.75	
			WATERWORKS PARTS & MATERIALS - REDLAND	16290887	8,108.29	
			WATERWORKS PARTS & MATERIALS - REDLAND	16294009	1,287.52	120,580.80
94496	01/18/2023	01541 HARRIS WORKSYSTEMS	ERGONOMIC FURNITURE	21-5969	1,222.93	1,222.93
94497	01/18/2023	04439 ARLENE HENRY	UB Refund Cst #004555	Ref000193688	138.22	138.22
94498	01/18/2023	00327 HR ANSWERS INC	EMPLOYEE SURVEY PROJECT	51939	420.00	420.00
94499	01/18/2023	04405 SHAOZHOU HUANG	UB Refund Cst #045724	Ref000193702	11.96	11.96
94500	01/18/2023	04448 VOLODYMYR & MARIA KAMIZOL	UB Refund Cst #038594	Ref000193698	31.78	31.78
94501	01/18/2023	04451 LYNN KIRWAN	UB Refund Cst #045646	Ref000193701	42.96	42.96
94502	01/18/2023	04440 LILY KISAMOV	UB Refund Cst #007877	Ref000193689	28.30	28.30
94503	01/18/2023	04180 MADRONE TECHNOLOGY GROUP INC.	GOOGLE EMAIL SUBSCRIPTION	2576	5,606.99	
			CONTRACT WORK	2577	179.98	5,786.97
94504	01/18/2023	04446 MT SCOTT INDUSTRIAL PARK**	UB Refund Cst #032542	Ref000193696	162.88	162.88
94505	01/18/2023	04458 MT. SCOTT INDUSTRIAL PARK**	UB Refund Cst #047009	Ref000193709	72.45	72.45
94506	01/18/2023	04452 NBP SE LUTHER LLC	UB Refund Cst #045822	Ref000193703	691.90	691.90
94507	01/18/2023	04453 NBP SE LUTHER LLC	UB Refund Cst #045824	Ref000193704	337.52	337.52
94508	01/18/2023	04454 NBP SE LUTHER LLC	UB Refund Cst #045826	Ref000193705	691.90	691.90
94509	01/18/2023	04455 NBP SE LUTHER LLC	UB Refund Cst #045828	Ref000193706	337.52	337.52
94510	01/18/2023	04456 NBP SE LUTHER LLC	UB Refund Cst #045835	Ref000193707	691.90	691.90
94511	01/18/2023	00306 OFFICE DEPOT INC	ACCT#90261180 - ID#38683228 - OFFICE SUP	287921525001	10.46	10.46
94512	01/18/2023	00373 OREGON AFSCME	UNION DUES	PR 01/13/23	1,056.10	1,056.10
94513	01/18/2023	02386 PRINCIPAL FINANCIAL GROUP	FEBRUARY LIFE, AD&D & LTD	FEBRUARY 2023	6,008.57	6,008.57
94514	01/18/2023	04437 MARK REAKSECKER	UB Refund Cst #003338	Ref000193686	99.67	99.67

Monthly Check History Listing

Clackamas River Water  
1/1/2023 to 1/31/2023

Bank code: apbank

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
94515	01/18/2023	03996 RH2 ENGINEERING INC	WTP STRUCTURAL & SEISMIC ASSESSMENT	89231	10,473.80	10,473.80
94516	01/18/2023	00229 RICOH USA, INC.	CUST. # 4197629 - ADDITIONAL COPIES 12/0	5066467894	200.53	270.81
94517	01/18/2023	00229 RICOH USA, INC.	CUST. # 4220490 - ADDITIONAL COPIES 12/0	5066467326	70.28	
94518	01/18/2023	00229 RICOH USA, INC.	CUST. # 4220490 - ADDITIONAL COPIES 12/0	5066466800	41.44	47.40
94519	01/18/2023	04447 ALICIA RIOS	COPIER LEASE #1021276-3734774	1095527109	5.96	
94520	01/18/2023	04443 MATT A SCHULTZ	UB Refund Cst #038131	Ref000193697	34.01	34.01
94521	01/18/2023	00577 SPECIAL DISTRICTS ASSOC OREGON	UB Refund Cst #012196	Ref000193692	50.92	50.92
94522	01/18/2023	04444 TESHOME TADESSE**	FEBRUARY HEALTH BENEFITS PROGRAM	FEBRUARY 2023	62,866.13	62,866.13
94523	01/18/2023	00282 TERMINIX INTERNATIONAL INC	UB Refund Cst #044317	Ref000193699	36.85	36.85
94524	01/18/2023	00165 UNIVAR SOLUTIONS USA INC	CUST.# 1703011 - JANUARY PEST CONTROL SE	428956206	124.00	230.00
94525	01/18/2023	04444 VIGOR WORKS LLC	CUST.# 1703007 - DECEMBER PEST CONTROL S	428955401	106.00	
94526	01/18/2023	02247 WHA INSURANCE AGENCY INC	ASCORBIC ACID WEISHENG BX200 USP-FCC-KO-	507822294	3,341.70	3,341.70
94527	01/26/2023	00285 ARAMARK UNIFORM SERVICES INC	UB Refund Cst #015436	Ref000193693	5.25	5.25
94528	01/26/2023	03787 AUTHORITY DOCK & DOOR INC	INS. RENEWAL-2023 - RISK MGMT. & INS. FE	01/01/2023	17,000.00	17,000.00
94529	01/26/2023	00304 CANTEL SWEEPING	UB Refund Cst #046588	Ref000193708	5.65	5.65
94530	01/26/2023	00164 CENTURYLINK	ACC. #934649000 - BUILDING MAINT. SUPPLI	5291165186	78.60	78.60
94531	01/26/2023	00200 CLACKAMAS COUNTY	REPAIR OF BAD GARAGE DOOR OPENERS, DOOR	2948	349.00	349.00
94532	01/26/2023	02555 COMCAST	LOT SWEEPING SERVICES	e22971	260.00	
94533	01/26/2023	00008 CONSOLIDATED SUPPLY CO.	JANUARY LOT SWEEPING SERVICES PROVIDED T	e22970	200.00	
			LOT SWEEPING SERVICES	e22972	183.00	643.00
			ACC# 503-723-6700 962B - PHONE SERVICES	JAN 16- FEB 16	91.02	91.02
			ONE CREW, CSW & GRAFFITI REMOVAL	20-8497	425.00	425.00
			COMCAST MONTHLY CABLE INTERNET	20299723	253.85	253.85
			WATER WORKS MATERIAL	01/14-02/13	5,665.34	
			WATER WORKS MATERIAL	S011209513.001	2,593.06	
			WATER WORKS MATERIAL	S011207804.001		



Monthly Check History Listing  
Clackamas River Water  
1/1/2023 to 1/31/2023

Bank code: apbank

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
94534	01/26/2023	00017 CORE & MAIN LP	WATER WORKS MATERIAL	S011189562.001	1,048.73	9,307.13
94535	01/26/2023	01305 DEPT OF ENVIRONMENTAL QUALITY	MEASURE CHAMBERS	R776248	1,172.50	1,632.50
94536	01/26/2023	03218 DIRECT TRANSPORT INC	2 PCS MEASURE CHAMBERS & 2 REGISTER HEAD	S219107	460.00	159.40
94537	01/26/2023	01844 FERGUSON ENTERPRISES INC	AQCDP23-0939 LATE FEE	AQCDP23-0939A	132.20	56.15
94538	01/26/2023	04383 FORENSIC BUILDING CONSULTANTS	AQCA023-1043A LATE FEE	AQCA023-1043A	27.20	1,641.66
94539	01/26/2023	00124 H D FOWLER CO INC	DELIVERY BOARD OF PACKETS	298731	56.15	6,540.47
94540	01/26/2023	00124 H D FOWLER CO INC	5100-06 16 PCS	1161789	1,309.92	48,649.76
94541	01/26/2023	04275 ROBERT MELIUS	200FT PEX	1192793	331.74	940.90
94542	01/26/2023	04340 KURT MORRIS	FORENSIC WATER INTRUSION SPECIALIST SERV	30702	4,110.47	1,796.47
94543	01/26/2023	01961 MOSS ADAMS LLP	FORENSIC WATER INTRUSION SPECIALIST SERV	30459	2,430.00	74.63
94544	01/26/2023	04242 NORTHWEST MECHANICAL GROUP LLC	WATERWORKS PARTS & MATERIALS - REDLAND	16290635	48,649.76	4,200.00
94545	01/26/2023	00306 OFFICE DEPOT INC	10 PCS 3160-20	16294494	940.90	410.00
94546	01/26/2023	02240 PACIFIC POWER GROUP LLC	Refund receipt #: 003856	Ref000187228	1,796.47	4,200.00
94547	01/26/2023	03815 PETROCARD INC	REFUND RECEIPT #: 004109	Ref000189020	74.63	54.75
94548	01/26/2023	00018 PITNEY BOWES GLOBAL FIN SVC LL	CLIENT # 607355 - AUDITING SERVICES	102389580	4,200.00	3,331.21
94549	01/26/2023	00187 RAG MAN INC.	JANUARY HVAC MONTHLY BILL	29450	410.00	583.16
94550	01/26/2023	00229 RICOH USA, INC.	ACCT#90261180 - ID#38683228 - OFFICE SUP	284882716001	27.09	9.12
			ACCT#90261180 - ID#38683228 - OFFICE SUP	287934672001	13.83	9.12
			ACCT#90261180 - ID#38683228 - OFFICE SUP	289391216001	13.83	540.00
			BARLOW GENERAC REPAIR	505501-00	1,145.00	208.86
			ADMIN GEN SERVICE	505500-00	830.00	
			BARLOW GENERAC	505497-00	690.00	
			BARLOW GENERAC REPAIR	506351-00	666.21	
			15-100 WATER QUALITY, 2400 EQUIPMENT AND	C057005	583.16	
			POSTAGE REFILL	800-900-0718-3324 JAN	9.12	
			30 SHOP RAGS	109544	540.00	
			COPIER LEASE #1021276-3672069 - 02/05-03	106875033	208.86	

Monthly Check History Listing

Clackamas River Water  
1/1/2023 to 1/31/2023

Bank code: apbank

Check #	Date	Vendor	Description	Invoice	Amount Paid	Check Total
94551	01/26/2023	00229 RICOH USA, INC.	COPIER LEASE #1021276-3734774 01/12/23-0	106876634	208.86	417.72
94552	01/26/2023	00577 SPECIAL DISTRICTS ASSOC OREGON	COPIER LEASE #1021276-3797919 01/10-02/0	106886183	45.75	45.75
94553	01/26/2023	00160 TOP INDUSTRIAL SUPPLY INC	ANNUAL CONFERENCE BANQUET	012023-0210	60.00	60.00
			CAM-LOCKS HOSES	122190	275.06	
			HOSES- CAM LOCKS	122199	122.81	
			CAM LOCKS	122091	31.74	429.61
94554	01/26/2023	00237 USA BLUE BOOK	RIVER INTAKE LEVEL SENSOR	239187	1,335.78	1,335.78
94555	01/26/2023	02373 WORLD CUP COFFEE & TEA SERVICE	COFFEE AND TEA	0226203	425.15	425.15

apbank Total: 746,777.64

137 checks in this report

Total Checks: 746,777.64

# CLACKAMAS RIVER WATER

## REGULAR BOARD MEETING

February 16, 2023

**SUBJECT**                      **Cash Position and Transfers**

<b>DRAFT MOTION</b>	Move to approve the consent agenda
<b>EFFECTIVE DATE</b>	February 16, 2023

**PRINCIPAL STAFF PERSON**                      Jason Kirkpatrick, CFO

**BOARD ACTION REQUESTED**                      Approve the consent agenda items.

**DOCUMENTS ATTACHED**                      None

### Agenda Summary

**BACKGROUND**                      Cash and Investment Position as of January 31, 2022, is:

	General Checking	LGIP	Total
Balance as of 12/31/2022	\$ 8,771,735	\$ 15,813,936	\$ 24,585,671
Cash receipts	1,464,171	45,312	1,509,483
Payroll	(383,687)		(383,687)
A/P checks	(746,778)		(746,778)
Bond and other electronic payments			-
Transfers between accounts			-
Balance as of 1/31/2023	\$ 9,105,441	\$ 15,859,248	\$ 24,964,690

# CLACKAMAS RIVER WATER

## REGULAR BOARD MEETING

February 16, 2023

**SUBJECT** Quarterly update – 2<sup>nd</sup> Quarter FY 2023

**PRINCIPAL STAFF PERSON** Jason Kirkpatrick, Chief Financial Officer

**DOCUMENTS ATTACHED** Exhibit A - Revenue Status Report – FY 2022-2023  
Exhibit B - Expenditure Status Report – FY 2022-2023  
Exhibit C - Capital Improvements Project Fund – FY 2022-2023  
Exhibit D - System Development Charges - FY 2022-2023  
Presentation Slides

### Agenda Summary

**BACKGROUND** Quarterly the Board is provided summary data of budget to actual by line item. This report shows activity through the second quarter of fiscal year 2023, July 1, 2022, through December 31, 2022. This is 75.0% through the biennial budget.

The presentation to the Board will highlight items of interest in the following funds:

#### General Fund

- Revenue is at 86.6% of the biennial budget.
- Personnel Services is at 64.6% of the biennial budget.
- Materials & Services is at 67.8% of the biennial budget.
- Capital Outlay is at 40.4% of the biennial budget.

#### Capital Improvements Fund

- Expenditures are 15.8% of the biennial budget.

#### System Development Fund

- Revenue is at 37.2% of the biennial budget.

**Clackamas River Water  
Revenue Status Report  
Biennium 2021-2023**

<b>GENERAL FUND</b>	<b>Budget</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Remaining</b>	<b>Percent</b>
<b>Account Title</b>	<b>Appropriation BN 2022- 2023</b>	<b>FY 2021-22</b>	<b>Jul-Sept 2022</b>	<b>Oct-Dec 2022</b>	<b>Balance</b>	<b>Received</b>
<b>Operating Revenue</b>	<b>25,975,000</b>	<b>14,433,554</b>	<b>4,521,932</b>	<b>4,435,516</b>	<b>2,583,998</b>	<b>90.1%</b>
Water Sales	25,569,000	14,086,672	4,484,698	4,389,366	2,608,264	89.8%
Service Connection Fees	250,000	161,170	(2,000)	5,536	85,294	65.9%
Service Charges	136,000	97,386	30,816	26,377	(18,579)	113.7%
Miscellaneous - Operating	20,000	88,326	8,418	14,237	(90,981)	554.9%
<b>Non-Operating Revenue</b>	<b>452,500</b>	<b>256,252</b>	<b>97,269</b>	<b>105,712</b>	<b>(6,733)</b>	<b>101.5%</b>
Rental Income	246,400	125,469	30,676	48,488	41,767	83.0%
Earnings from Investments	100,000	24,102	19,258	32,643	23,997	76.0%
Miscellaneous - Non Operating	40,000	23,609	(105)	50	16,446	58.9%
Surplus Property Sales	10,000	-	309	16,945	(7,254)	172.5%
Grants - Non-Operating	8,000	59,330	42,820	-	(94,150)	1276.9%
Right of Way Fee	48,100	23,742	4,311	7,586	12,462	74.1%
<b>Transfers from Other Funds</b>						
CRWSC Activity Fund	1,850,000	650,000	-	-	1,200,000	35.1%
<b>Total Revenue</b>	<b>\$ 28,277,500</b>	<b>\$ 15,339,806</b>	<b>\$ 4,619,200</b>	<b>\$ 4,541,228</b>	<b>\$ 3,777,265</b>	<b>86.6%</b>

**Clackamas River Water**  
**Expenditure Status Report**  
 Biennium 2021-2023

<b>GENERAL FUND</b>	<b>Budget</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Year-to-Date</b>	<b>Available</b>	<b>Percent</b>
<b>Account Title</b>	<b>Appropriation</b>	<b>FY 2021-22</b>	<b>July-Sept</b>	<b>Oct-Dec</b>	<b>FY 2022-23</b>	<b>Budget</b>	<b>Used</b>
	<b>BN 2022-</b>		<b>2022</b>	<b>2022</b>		<b>Balance</b>	
	<b>2023</b>						<b>Used</b>
<b>Personnel Services</b>							
<b>Salaries and Wages</b>	<b>7,496,200</b>	<b>3,312,539</b>	<b>807,666</b>	<b>993,540</b>	<b>1,801,206</b>	<b>2,382,455</b>	<b>68.2%</b>
Commissioner Stipend	19,200	5,370	750	1,600	2,350	11,480	40.2%
Managers	1,498,800	747,759	170,581	212,224	382,805	368,235	75.4%
Professional & Technical - NR	751,400	342,556	72,669	83,411	156,080	252,764	66.4%
Professional & Technical	1,619,300	665,045	148,869	196,661	345,530	608,726	62.4%
Water Treatment Specialist	1,159,100	544,286	137,448	160,492	297,940	316,874	72.7%
Water Worker Distribution	1,434,300	732,968	186,582	226,211	412,793	288,540	79.9%
Administrative Specialist	511,400	215,457	60,714	69,853	130,567	165,376	67.7%
Overtime	178,000	39,772	14,996	14,900	29,896	108,333	39.1%
Holiday Pay	14,000	8,545	1,400	2,561	3,961	1,494	89.3%
Other Benefits	309,500	10,781	3,162	3,487	6,649	292,070	5.6%
Awards	1,200	-	-	-	-	1,200	0.0%
<b>Benefits and Taxes</b>	<b>4,577,100</b>	<b>1,798,640</b>	<b>420,486</b>	<b>464,573</b>	<b>885,059</b>	<b>1,893,401</b>	<b>58.6%</b>
FICA - Social Security	590,900	259,798	62,443	73,716	136,159	194,943	67.0%
Worker's Compensation	78,700	34,505	41,846	-	41,846	2,348	97.0%
Pension	1,743,900	724,097	157,472	203,339	360,811	658,992	62.2%
Health Insurance	1,832,300	665,278	126,886	165,923	292,809	874,213	52.3%
Dental Insurance	145,200	44,945	9,096	11,696	20,792	79,463	45.3%
Life Insurance	38,100	19,408	3,743	4,268	8,011	10,682	72.0%
HRA VEBA	87,000	37,500	19,000	-	19,000	30,500	64.9%
Tri-Met Tax	61,000	13,108	-	5,631	5,631	42,261	30.7%
<b>Total Personnel Services</b>	<b>\$ 12,073,300</b>	<b>\$ 5,111,178</b>	<b>\$ 1,228,152</b>	<b>\$ 1,458,113</b>	<b>\$ 2,686,265</b>	<b>\$ 4,275,857</b>	<b>64.6%</b>



**Clackamas River Water**  
**Expenditure Status Report**  
 Biennium 2021-2023

GENERAL FUND	Budget	Actual	Actual	Actual	Year-to-Date	Available	Percent
Account Title	Appropriation	FY 2021-22	July-Sept	Oct-Dec	FY 2022-23	Budget	Used
	BN 2022-2023		2022	2022		Balance	
<b>Materials &amp; Services</b>							
<b>Customer Services</b>	<b>478,800</b>	<b>277,076</b>	<b>83,033</b>	<b>54,035</b>	<b>137,068</b>	<b>64,656</b>	<b>86.5%</b>
Bad Debt	32,000	112	(62)	(194)	(256)	32,143	-0.4%
Credit Card Processing Fees	340,500	227,779	69,574	44,177	113,751	(1,029)	100.3%
Collection Expenses	17,200	9,437	2,591	3,482	6,073	1,690	90.2%
Customer Credit Allowance	15,800	10,640	5,000	-	5,000	160	99.0%
Customer Statement Processing	58,900	26,295	5,340	5,963	11,303	21,302	63.8%
Promotional Items	6,000	257	349	199	548	5,195	13.4%
Public Notices	8,400	2,556	241	408	649	5,195	38.2%
<b>Facilities &amp; Security</b>	<b>797,000</b>	<b>274,171</b>	<b>66,477</b>	<b>72,837</b>	<b>139,314</b>	<b>383,516</b>	<b>51.9%</b>
Assessments & Taxes	73,700	37,248	1,875	20,025	21,900	14,552	80.3%
Building & Grounds Maintenance	626,500	191,640	51,864	35,641	87,505	347,356	44.6%
Security	96,800	45,283	12,738	17,171	29,909	21,608	77.7%
<b>General Administration</b>	<b>1,046,900</b>	<b>462,190</b>	<b>193,720</b>	<b>42,965</b>	<b>236,685</b>	<b>348,025</b>	<b>66.8%</b>
Bank Charges	110,000	50,727	9,371	6,438	15,809	43,464	60.5%
Dues & Memberships	354,900	173,388	71,526	36,527	108,053	73,459	79.3%
Insurance	542,000	238,074	112,823	-	112,823	191,103	64.7%
Insurance Deductible	40,000	-	-	-	-	40,000	0.0%
<b>Materials</b>	<b>423,000</b>	<b>60,211</b>	<b>31,414</b>	<b>13,165</b>	<b>44,579</b>	<b>318,210</b>	<b>24.8%</b>
Inventory	300,000	16,870	-	-	-	283,130	5.6%
Maintenance Supplies	123,000	43,341	31,414	13,165	44,579	35,080	71.5%
<b>Office</b>	<b>171,700</b>	<b>59,746</b>	<b>11,418</b>	<b>14,195</b>	<b>25,613</b>	<b>86,342</b>	<b>49.7%</b>
Office Supplies	22,300	7,850	747	2,528	3,275	11,175	49.9%
Postage	96,700	45,903	9,873	6,600	16,473	34,324	64.5%
Printing	37,400	5,133	485	4,813	5,298	26,969	27.9%
Miscellaneous	15,300	861	313	254	567	13,872	9.3%
<b>Other Support Costs</b>	<b>350,600</b>	<b>87,031</b>	<b>20,778</b>	<b>26,549</b>	<b>47,327</b>	<b>216,241</b>	<b>38.3%</b>
Books & Publications	4,000	1,054	63	335	398	2,548	36.3%
Certifications	11,200	5,858	594	1,574	2,168	3,175	71.7%
Employee Relations	43,500	14,173	2,003	4,063	6,066	23,261	46.5%
Medical Exams	8,500	1,498	502	1,107	1,609	5,393	36.6%
Payroll Processing Fees	36,600	13,289	5,983	5,752	11,735	11,576	68.4%
Protective Clothing	43,400	6,414	469	3,347	3,816	33,170	23.6%
Safety & Health	28,000	16,685	3,035	1,921	4,956	6,359	77.3%
Training	172,400	26,902	8,031	8,129	16,160	129,338	25.0%
Travel - Local	3,000	1,157	99	321	420	1,423	52.6%

**Clackamas River Water**  
**Expenditure Status Report**  
 Biennium 2021-2023

<b>GENERAL FUND</b>	<b>Budget</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Year-to-Date</b>	<b>Available</b>	<b>Percent</b>
<b>Account Title</b>	<b>Appropriation</b>	<b>FY 2021-22</b>	<b>July-Sept</b>	<b>Oct-Dec</b>	<b>FY 2022-23</b>	<b>Budget</b>	<b>Used</b>
	<b>BN 2022-</b>		<b>2022</b>	<b>2022</b>		<b>Balance</b>	
	<b>2023</b>						<b>Percent</b>
<b>Professional &amp; Contracted Servic</b>	<b>1,821,600</b>	<b>827,290</b>	<b>148,335</b>	<b>182,464</b>	<b>330,799</b>	<b>663,511</b>	<b>63.6%</b>
Audit	69,400	45,155	-	-	-	24,245	65.1%
Contract Work	1,209,200	601,864	131,442	166,849	298,291	309,045	74.4%
Engineer Service	343,000	122,497	3,969	7,135	11,104	209,399	39.0%
Legal	200,000	57,774	12,924	8,480	21,404	120,822	39.6%
<b>Equipment</b>	<b>972,100</b>	<b>363,924</b>	<b>125,896</b>	<b>114,468</b>	<b>240,364</b>	<b>367,812</b>	<b>62.2%</b>
Computers, Peripherals & Software	56,200	30,388	2,873	5,258	8,131	17,681	68.5%
Equipment Maintenance	179,900	52,072	7,662	20,732	28,394	99,434	44.7%
Equipment Rental	64,800	21,656	10,241	4,879	15,120	28,024	56.8%
Maintenance Agreements	432,800	175,910	81,385	67,183	148,568	108,322	75.0%
Small Tools & Equipment	101,600	39,019	13,089	8,334	21,423	41,159	59.5%
Vehicle Maintenance	136,800	44,879	10,646	8,082	18,728	73,193	46.5%
<b>Utilities</b>	<b>1,857,400</b>	<b>826,390</b>	<b>202,584</b>	<b>236,599</b>	<b>439,183</b>	<b>591,827</b>	<b>68.1%</b>
Telecommunications	141,600	34,419	21,617	16,938	38,555	68,626	51.5%
Utilities	1,715,800	791,971	180,967	219,661	400,628	523,201	69.5%
<b>Water Purchases &amp; Treatment</b>	<b>2,215,300</b>	<b>1,039,606</b>	<b>321,477</b>	<b>296,785</b>	<b>618,262</b>	<b>557,432</b>	<b>74.8%</b>
Permits	56,600	18,019	277	4,212	4,489	34,092	39.8%
Telemetry	20,000	3,026	-	-	-	16,974	15.1%
Water Purchases	1,534,800	760,897	246,509	203,939	450,448	323,455	78.9%
Watershed Management	119,700	42,142	1,148	7,585	8,733	68,825	42.5%
Water Treatment & Analysis	484,200	215,522	73,543	81,049	154,592	114,086	76.4%
<b>Materials &amp; Services - Subtotal</b>	<b>10,134,400</b>	<b>4,277,634</b>	<b>1,205,132</b>	<b>1,054,062</b>	<b>2,259,194</b>	<b>3,597,572</b>	<b>64.5%</b>
Overhead, Labor & Equip	(643,700)	(84,446)	(8,002)	(7,998)	(16,000)	(543,254)	15.6%
<b>Materials &amp; Services - TOTAL</b>	<b>\$ 9,490,700</b>	<b>\$ 4,193,188</b>	<b>\$ 1,197,130</b>	<b>\$ 1,046,064</b>	<b>\$ 2,243,194</b>	<b>\$ 3,054,318</b>	<b>67.8%</b>
<b>Capital Outlay</b>	<b>1,799,300</b>	<b>425,268</b>	<b>120,629</b>	<b>181,134</b>	<b>301,763</b>	<b>1,072,269</b>	<b>40.4%</b>
Land	-	-	-	-	-	-	-
Improvements	950,000	102,809	80,912	16,946	97,858	749,333	21.1%
Vehicles	288,500	129,413	39,716	-	39,716	119,370	58.6%
General Equipment & Tools	328,000	113,412	-	164,188	164,188	50,400	84.6%
Computer Equipment	82,800	57,838	-	-	-	24,962	69.9%
Other	150,000	21,796	-	-	-	128,204	14.5%
<b>Capital Outlay - TOTAL</b>	<b>\$ 1,799,300</b>	<b>\$ 425,268</b>	<b>\$ 120,629</b>	<b>\$ 181,134</b>	<b>\$ 301,763</b>	<b>\$ 1,072,269</b>	<b>40.4%</b>
<b>InterFund Transfers</b>	<b>6,477,000</b>	<b>2,238,000</b>	<b>-</b>	<b>815,850</b>	<b>815,850</b>	<b>3,423,150</b>	<b>34.6%</b>
<b>Operating Contingency</b>	<b>750,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>750,000</b>	<b>0.0%</b>
<b>General Fund - TOTAL</b>	<b>\$ 30,590,300</b>	<b>\$ 11,967,635</b>	<b>\$ 2,545,911</b>	<b>\$ 3,501,161</b>	<b>\$ 6,047,072</b>	<b>\$ 12,575,593</b>	<b>58.9%</b>



## Clackamas River Water Expenditure Status Report Biennium 2021-2023

**CAPITAL IMPROVEMENT PROJECTS FUND**

Account Title	Budget	Actual	Actual	Actual	Biennial	Balance	Percent
	Appropriation						
	BN 2022-2023	FY 2021-22	Jul - Sept 2022	Oct - Dec 2022			
Manager	-	2,418	73	367	2,857	(2,857)	
Engineering Manager	-	104,065	15,035	9,968	129,068	(129,068)	
Professional & Technical	-	28,980	7,377	5,884	42,241	(42,241)	
Water Worker Distribution	-	6,898	-	848	7,746	(7,746)	
Contract Work	-	623,168	-	9,700	632,868	(632,868)	
Engineer Services	-	61,433	-	9,730	71,163	(71,163)	
Legal	-	221	29	226	476	(476)	
Materials Inventoried	-	106	-	-	106	(106)	
Miscellaneous	-	2,278	790	669	3,737	(3,737)	
Overhead, Labor & Equip Ca	-	84,395	8,059	7,999	100,453	(100,453)	
Capital Outlay	6,288,000	-			-	6,288,000	
<b>Total Expenditures</b>	<b>\$ 6,288,000</b>	<b>\$ 913,962</b>	<b>\$ 31,362</b>	<b>\$ 45,391</b>	<b>\$ 990,715</b>	<b>\$ 5,297,285</b>	<b>15.8%</b>

## Clackamas River Water

### Revenue Status Report

Biennium 2021-2023

**SYSTEM DEVELOPMENT  
CHARGES RESERVE  
FUND**

Account Title	Budget Appropriation BN 2022- 2023	Actual FY 2021-22	Actual Jul-Sept 2022	Actual Oct-Dec 2022	Biennial Total	Remaining Balance	Percent Received
<b>Revenue</b>	<b>1,763,900</b>	<b>605,142</b>	<b>25,585</b>	<b>6,397</b>	<b>637,124</b>	<b>1,126,776</b>	<b>36.1%</b>
SDC Reimbursement	838,400	249,467	10,372	2,594	262,433	575,967	31.3%
SDC Improvements	925,500	355,675	15,213	3,803	374,691	550,809	40.5%
<b>Non-Operating Revenue</b>	<b>25,500</b>	<b>9,938</b>	<b>8,925</b>	<b>9,123</b>	<b>27,986</b>	<b>(2,486)</b>	<b>109.8%</b>
Earnings from Investments	25,500	9,938	8,925	9,123	27,986	(2,486)	109.8%
<b>Total Revenue</b>	<b>\$ 1,789,400</b>	<b>\$ 615,080</b>	<b>\$ 34,510</b>	<b>\$ 15,520</b>	<b>\$ 665,110</b>	<b>\$ 1,124,290</b>	<b>37.2%</b>



# Clackamas River Water

## 2<sup>nd</sup> Quarter Update – Fiscal Year 2023

Board Meeting – February 16, 2023  
Jason Kirkpatrick, CFO



1

## 2<sup>nd</sup> Quarter Update – FY 2023

- 2<sup>nd</sup> Quarter of the second year of Biennium
- July 1, 2022, through December 31, 2022
- Showing costs through 18 of 24 periods (July 1, 2021, through December 31, 2022) for the Biennium – 75.0%

2

2

## 2<sup>nd</sup> Quarter Update – FY 2023 Revenue

### General Fund Revenues

- Total General Fund Revenue is 86.6% of the biennial budget.
- Water sales budget is \$25,569,000 for the biennium and we have recorded \$22,960,736 through December. Water sales are 89.8% of the biennial budget.

3

3

## 2<sup>nd</sup> Quarter Update – FY 2023

### General Fund Expenses

- Personnel Services
  - 64.6 % of biennial budget
    - Total biennial costs through the 2<sup>nd</sup> Quarter FY 2023 - \$7.8 million
- Includes:
  - Annual Workers Compensation Insurance payment
  - HRA VEBA contributions
  - Retirement payouts
  - Quarterly transit tax
- Excludes:
  - Vacant positions in System Operations, Water Resources, FACS, and Administration

4

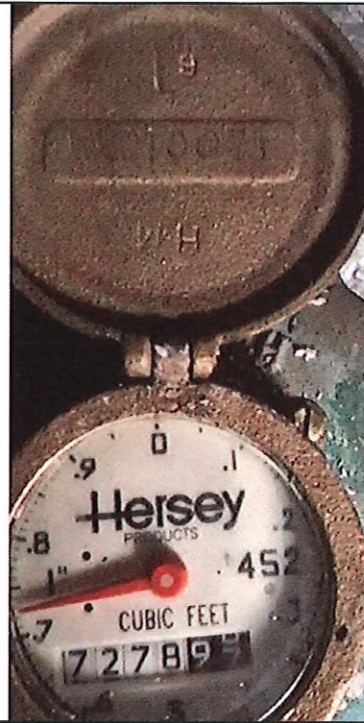
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## 2nd Quarter Update FY 2023

### General Fund Expenses

- Materials & Services – 67.8%
  - Analysis of categories that are greater than 75.0%
    - Credit Card processing fees, collection expense, health & safety, computer equipment, and annual payments
- Capital Outlay – 40.4%
  - Over this past year, CRW is experiencing longer than normal lead times for capital items. There is some uncertainty as to when capital items will be recorded as expenditures.
  - Capital Outlay items are larger projects and do not occur evenly throughout the year.



5

## Other Funds

SDC Revenue and CIP expenditures

6



## 2<sup>nd</sup> Quarter Update – FY 2023

### SDC Revenues

- Biennial Budget - \$1,789,400
- Actual to Date - \$665,110 – 37.2%



New Construction

7

7

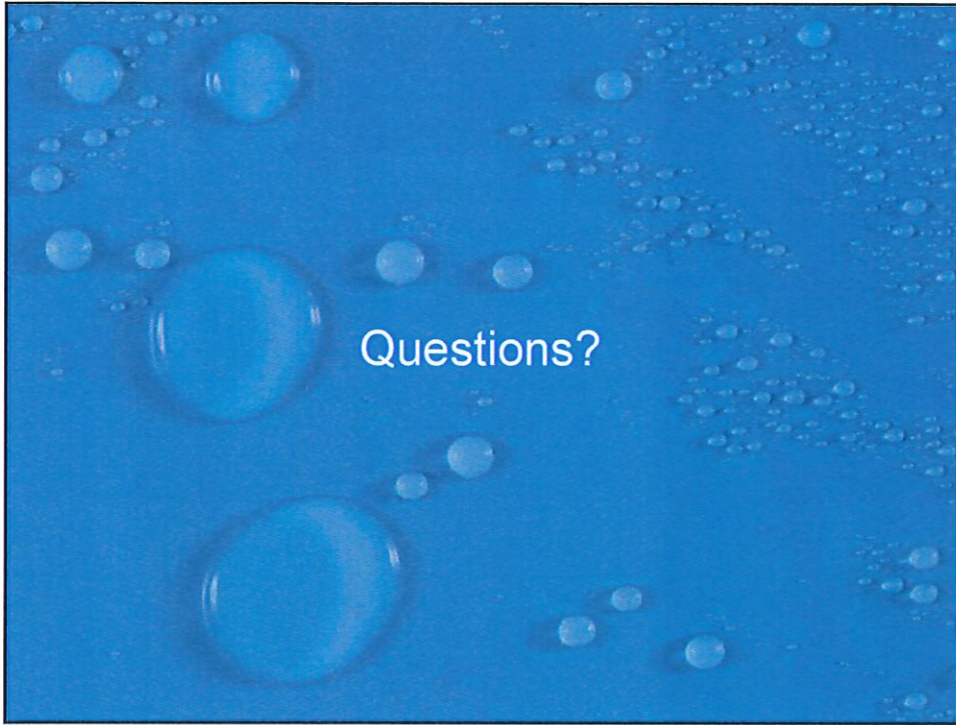
## 2<sup>nd</sup> Quarter Update – FY 2023

### Capital Improvements Project Fund

Project #	Description	BN 21-23 Budget	FY 2022 Actual	Remaining Budget	% of Budget
5274	ODOT/City/County DTD Adj	\$ 250,000	\$ 13,947	\$ 236,053	5.6%
5275	Athens Dr Waterline Replacement	641,000	516,373	\$ 124,627	80.6%
5276	Fawn Dr Waterline Replacement	277,000	-	\$ 277,000	0.0%
5277	Leland Rd Waterline & Master Meter	493,000	1,850	\$ 491,150	0.4%
5273	Redland Rd Waterline - Phase 1	1,080,000	31,270	\$ 1,048,730	2.9%
5270	Linwood Rd Improvements	328,000	203,965	\$ 124,035	62.2%
5278	Monroe St Improvements	940,000	6,232	\$ 933,768	0.7%
5279	Maplelane Rd Waterline	846,000	62,201	\$ 783,799	7.4%
5280	Pump Station Supplemental Chlorine	168,000	12,978	\$ 155,022	7.7%
5281	WTP Polymer Feed System Replacement	476,000	3,560	\$ 472,440	0.7%
5282	WTP Filter Valve Replacement	692,000	15,770	\$ 676,230	2.3%
5253	82nd Dr Waterline - Phase 1 (carryover)	97,000	46,974	\$ 50,026	48.4%
5287	Easement Maint 90th St Pump Station	-	73,703	\$ (73,703)	
5291	I-205 Crossing	-	752	\$ (752)	
6292	Johnson Creek Blvd. Improvements	-	1,140	\$ (1,140)	
		<u>\$6,288,000</u>	<u>\$ 990,715</u>	<u>\$ 5,297,285</u>	<u>15.8%</u>

8

8



9

# CLACKAMAS RIVER WATER

## REGULAR BOARD MEETING

February 16, 2023

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**SUBJECT** Overview of Lead and Copper Rule Revisions- Service Line Inventory Requirement

**PRINCIPAL STAFF PERSON** Adam Bjornstedt, PE – Chief Engineer

**DOCUMENTS ATTACHED** None

### Agenda Summary

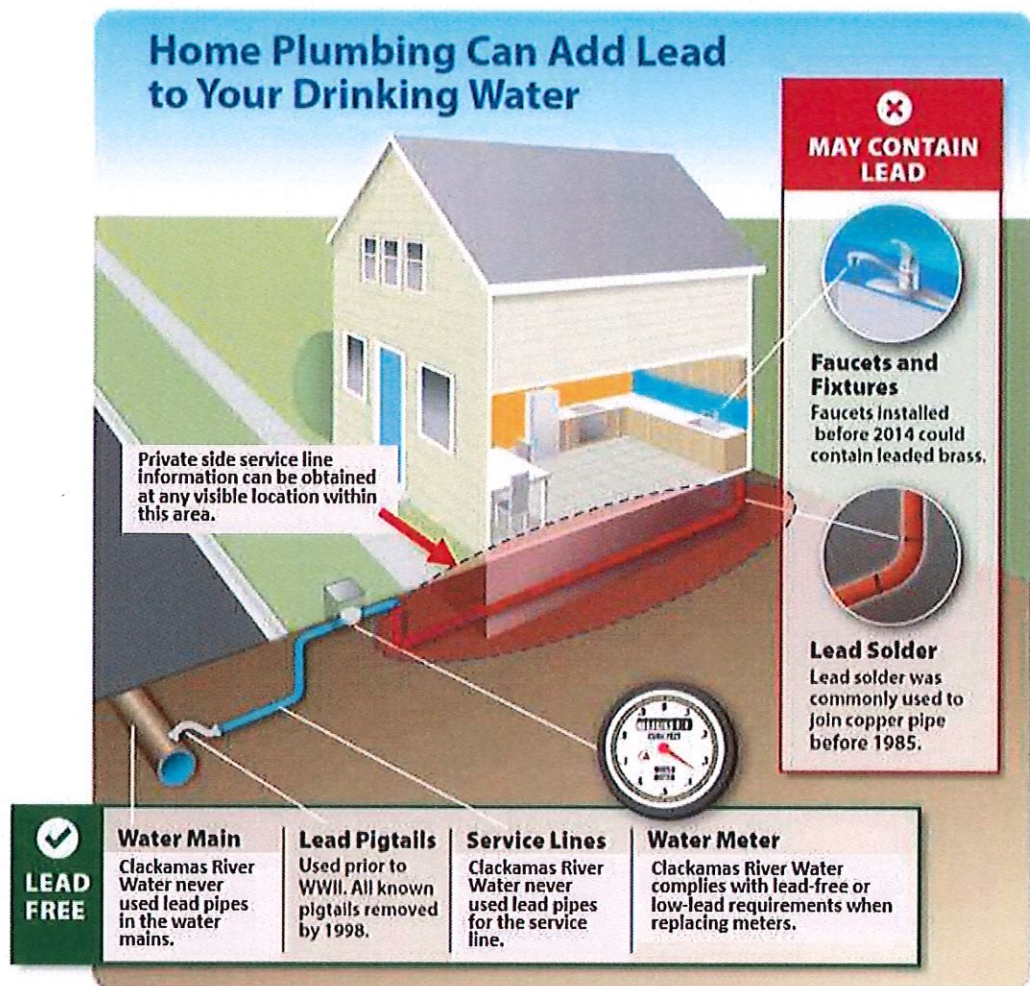
**BACKGROUND** In 2021, the US EPA issued revisions to the Lead and Copper Rule requiring water providers to create an inventory of all water service lines verifying whether they are “lead” or “non-lead”. Water providers nationwide, including CRW, are required to submit this information to the EPA (in our case through the Oregon Health Authority (OHA)) by October 2024. While CRW has no history of installing lead service lines, and it was not a common practice for water providers in this area, we still must verify and report this information under the new rule. The revisions make it a requirement that public water providers research and supply information for all water service lines (from water main to meter, and from meter to house), regardless of where the water provider’s jurisdiction and ownership ends. (See graphic on page 2).

While this requirement places a distinct burden on the District, Staff developed an approach and initiated first steps last year. Required data for the inventory includes location, service line material type (for both CRW and customer sides), and method of identification/determination.

**Initial work** to start data collection for building the service line inventory (SLI) has included:

1. Research of available records, including as-built drawings, installation records, standards, specifications, and codes. Service lines built after 1986, when the State of Oregon banned lead plumbing, can be easily filtered and designated “non-lead” (which is permitted by OHA). Other filters, such as historical CRW specifications and Oregon Plumbing Code (where documentation exists to further eliminate service lines built under those standards), are being applied.
2. Field observation, including recording type of piping that may be visible on either side of the meter when conducting routine meter maintenance or replacements.





Further work to obtain required data for the inventory will include:

- Customer outreach- We will be providing language in an upcoming bill insert of CRW's need to acquire customer-side service line information, and how customers can assist with this effort. Our website will be updated in the next few weeks to include additional information on our "Lead in Drinking Water" webpage regarding the SLI, with a link to a form that customers can fill out to help us gather data.
- Field investigation, including excavation of service lines at select locations. While every service line has to be identified for the inventory, the State is allowing a "statistical" approach wherein a sampling of service lines in a specific area with common construction history (such as a subdivision built in the same time period) can be used to make an accurate determination of all service lines for that area.
- Populate the inventory spreadsheet with all required information and submit it to the State by October 2024.

Additionally, we are in discussion with neighboring water providers to compare and learn from different approaches. Some providers are utilizing consultant services to assist with the inventory; CRW will be conducting this work independently at this time as our Geographic Information System (GIS), staff knowledge and expertise, and existing records are likely sufficient for completing this task.

Once complete, it is required to publish the SLI to our website for public access. Depending on how the initial inventory turns out, Staff anticipates annual updates beyond the October 2024 timeframe, as service line materials that may have been initially determined as “unknown” will be further clarified. (This is anticipated and allowed under the revised rule.)

Staff will provide additional updates in upcoming months as further progress is made on the service line inventory.



# Lead and Copper Rule Revisions & the Service Line Inventory

Regular Board Meeting  
February 16, 2023

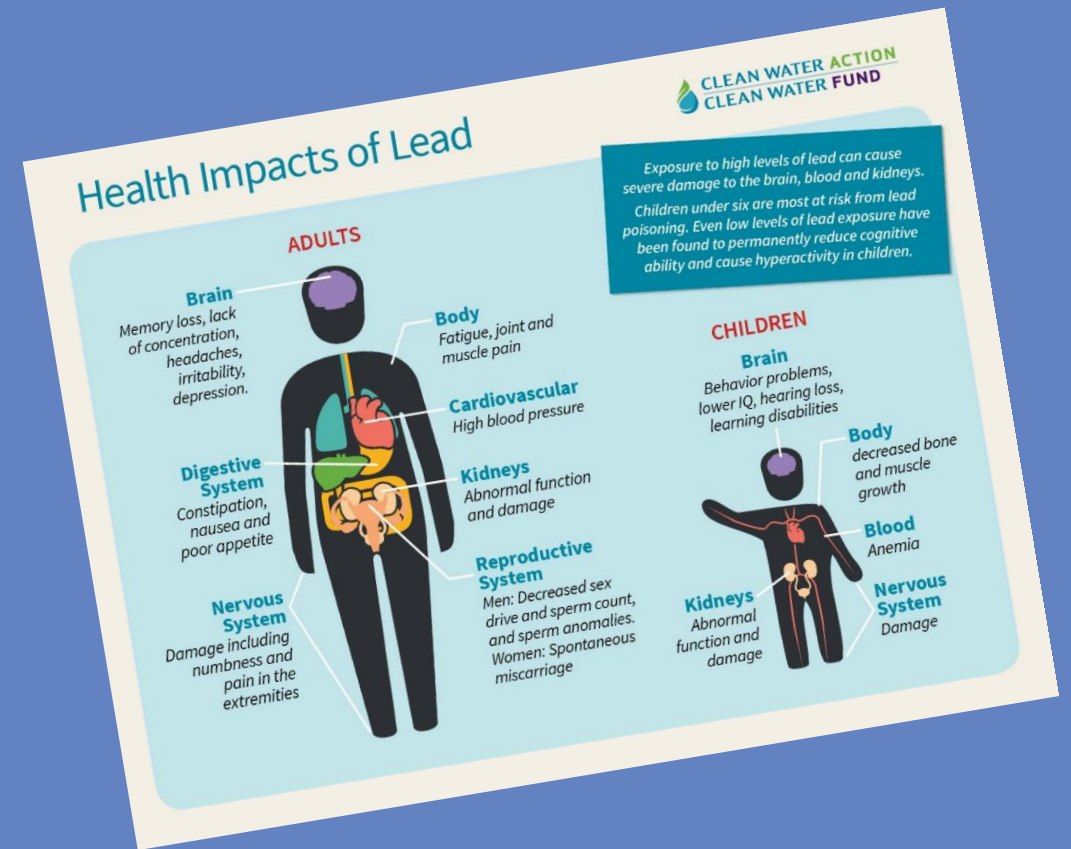
Adam Bjornstedt *Chief Engineer*

# LEAD AND COPPER RULE REVISIONS



- The 2021 Lead and Copper Rule Revisions aim to:

- Identify areas most impacted
- Strengthen treatment requirements
- Replace lead service lines
- Increase sampling reliability
- Improve risk communication
- Protect children in schools

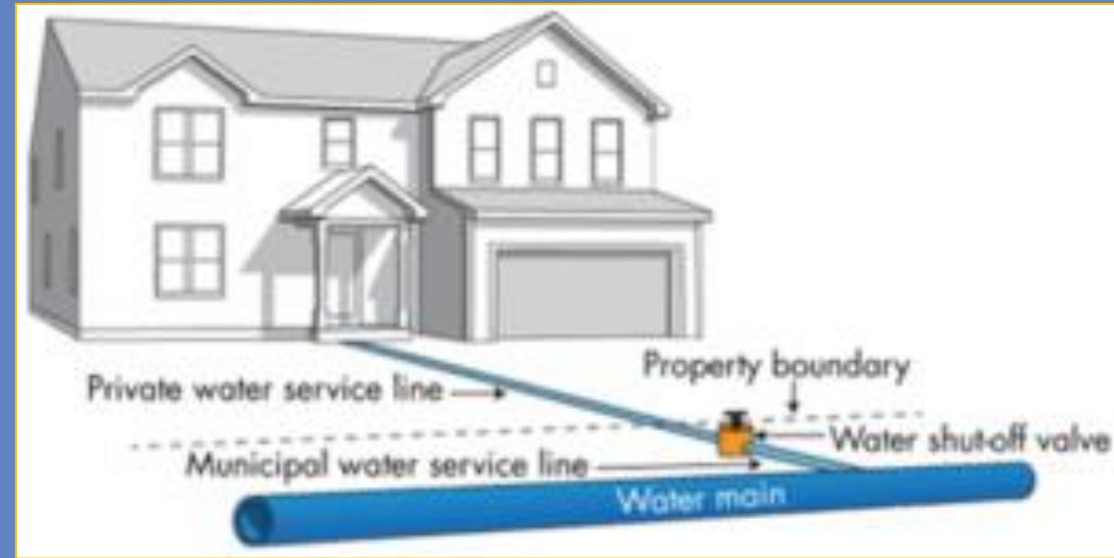
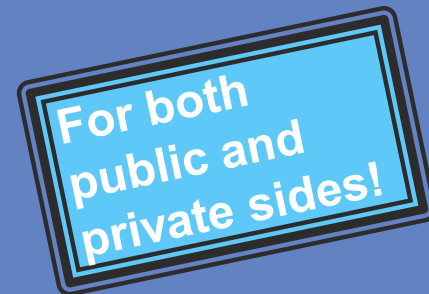


# SERVICE LINE INVENTORY



- To help accomplish these goals, water providers are required to conduct an inventory of their service lines
- Service line information we must gather and report by October 16, 2024 includes:

- Location
- Material type
- Method of identification



*Note- Lead service line installation was not common practice in our region, and CRW has no history of installing them- but we are still required to complete the inventory.*



# SERVICE LINE INVENTORY- HOW WILL WE DO THIS?



## What we're currently doing:

1. Research of available records
2. Field observations

## What we're planning to do:

3. Customer outreach
4. Field investigations
5. Populate the inventory spreadsheet and submit



# PRIVATE SERVICE LINE INFORMATION- CUSTOMER OUTREACH

In the next several weeks, we'll be reaching out to customers to ask them to help us acquire their service line information:

- Bill insert- intro pointing to website
- Website- updated lead information and form
- Contact information for questions- [ServiceLineInventory@crwater.com](mailto:ServiceLineInventory@crwater.com)

**Home Plumbing Can Add Lead to Your Drinking Water**

Private side service line information can be obtained at any visible location within this area.

**MAY CONTAIN LEAD**

- Faucets and Fixtures**  
Faucets installed before 2014 could contain leaded brass.
- Lead Solder**  
Lead solder was commonly used to join copper pipe before 1985.

<b>LEAD FREE</b>	<b>Water Main</b> Clackamas River Water never used lead pipes in the water mains.	<b>Lead Pigtails</b> Used prior to WWII. All known pigtails removed by 1998.	<b>Service Lines</b> Clackamas River Water never used lead pipes for the service line.	<b>Water Meter</b> Clackamas River Water complies with lead-free or low-lead requirements when replacing meters.
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**CLACKAMAS RIVER WATER**

**REGULAR BOARD MEETING**

**February 16, 2023**

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**SUBJECT** Management Report

**PRINCIPAL STAFF** Todd Heidgerken

**PERSON**

**DOCUMENTS**

**ATTACHED**

**Table of Contents**

The Management Report will have two sections: (A) an overview of GM and Staff activity during the month; (B) informational articles (when available)

**A. Management Report**

**B. Informational articles or Materials**

**B.1 Clackamas River Water Providers (CRWP) Newsletter**



additional emergency management support. This support would be provided by the CRW Emergency Manager. This assistance has been included in the proposed CRWP budget. The addition of this program does have a budget impact, so member dues are anticipated to increase. For CRW, the dues are anticipated to increase from \$121,108 to \$137,006. That said, CRW would anticipate being reimburse approximately \$50,000 for providing these services. The CRWP members wanted to further review the budget documents with the intention of adopting the budget during their April meeting.

Don't forget to check out the most recent edition of the CRWP newsletter. It includes updates on rebates, conservation, and weatherization tips, and includes a spotlight article on CRW's Emergency Manager, Beth McGinnis!

Regional Water Providers Consortium (RWPC) Board Meeting – The RWPC Board met on February 1. One of the primary tasks was to consider the FY 2023-2024 Budget and Work Plan. The RWPC unanimously approved the proposed budget for FY 2023-2024. The overall RWPC budget will increase by 7%. For CRW, our dues will decrease \$882 to \$31,224 annually. The dues are distributed among members using a formula that is based on the number of connections and amount of retail water sales. Although there are no new major initiatives being included in the work plan, the RWPC will continue to implement its efforts to further public knowledge of water conservation, water needs, and emergency preparedness messaging.

In addition to the budget adoption, the RWPC Board also officially endorsed the Consortium's Equity Commitment. The remainder of the meeting included small group discussions regarding suggested changes to the RWPC strategic planning documents. The small groups also worked to identify priorities to address that were identified in a previously completed SWOT (Strengths, Weaknesses, Opportunities, and Threats) exercise. The work of the small groups will be used to help inform the development of strategic initiatives that will be discussed during the June meeting.

Special Districts Association of Oregon (SDAO) – In preparation for the start of the Oregon Legislative Session, SDAO held its "Legislative Day" in Salem. The program included presentations from legislators, agency staff, and SDAO governmental affairs team on what to expect during the 2023 session. Speaking of the start of the Oregon Legislative Session, the biennial "long" session has already resulted in over 2000 bills being introduced. The expectation is for the number to grow to over 3000 in the coming weeks.

CRW coordinates with SDAO Governmental Affairs staff who track items of interest to Special Districts. SDAO Legislative and water/wastewater committees meet to review bills and gather input from CRW and other special districts. CRW will continue to work with the SDAO Governmental Affairs staff as the session progresses.

4. **No Recordable Injuries for 2022** – Maintaining a safe working environment is important. We are pleased to share that this past year 2022, CRW had no recordable injuries!! Congratulations to staff on a job well done and, for the wonderful job by our Safety & Health Committee in doing their part. In addition to being something to be proud about, this will help favorably impact our future workers compensation rates (rates average prior 3-years).
5. **Looking Ahead:**
  - The CRW office will be closed on Monday, February 20 to observe the President's Day Holiday
  - The agenda setting meeting for the March Board meeting will be held on February 23 at 9am
  - The CRW Regular March Board Meeting will be held on Thursday, March 9 at 6pm





facebook@CRWP



B.1

WINTER 2023 News

# New \$100 Rebate. Leak Detection - Water Monitoring Devices

Repairing water damage caused by leaks can cost thousands of dollars for a typical homeowner. Thanks to smart leak detectors, you can now prevent or mitigate water damage at your home using a leak detector that sends information to your computer and your smartphone. Some of these devices also allow you to create water budgets to understand your water use indoors and out. Some devices require tapping into the existing plumbing system and may require a licensed plumber for installation, while others simply attach to your water meter.

## Receive a \$100 Rebate for these Qualifying Products:

- **FLO BY MOEN: Whole Home Water Damage Prevention System** (Smart Water Shutoff)  
Reduce your risk of water leaks and damage with the Flo Smart Water Monitor and Shutoff. Flo monitors the temperature and pressure of your home's water and tracks your water usage, allowing the intelligent system to detect leaks as small as a drop a minute—

anywhere in your home. Plus, it can automatically shut off the water before a catastrophic leak occurs, when professionally installed, and spliced into the main water line.

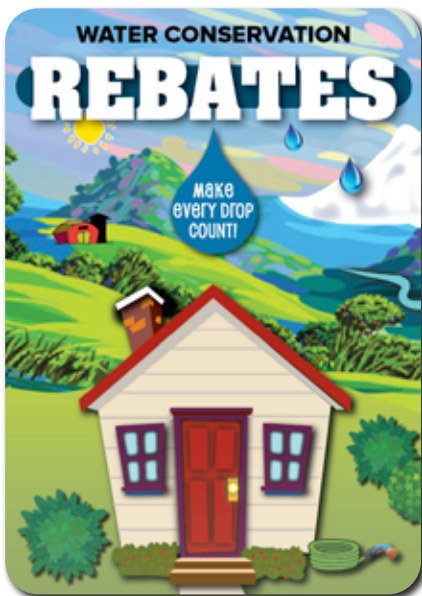
- **FLUME: Whole Home Water Monitor + Leak Detector**  
Flume, a first-of-its-kind, easily installed household device that puts the power of water monitoring into the hands of homeowners. No need for a professional installation.

- a) Detect small leaks before they cost money and cause damage.
  - b) Gain real-time information on your household water consumption.
  - c) Set water usage goals and budgets for your household.
  - d) Smart technology sends notifications straight to your phone.
  - e) Receive push notifications on suspicious water activities while you're away.
- **PHYN: Phyn Smart Water Assistant and Phyn Plus Smart Water Assistant + Shutoff**  
Phyn Plus uses patented, high-definition pressure wave analysis to alert you the second a leak is detected, mitigate costly damage through automatic water shutoff, as well as teach you about your water use. It is recommended to use a plumbing professional for installation.

(Continued on page 2)

## What's Inside:

New Rebates	P1
Winter Tips	P2
How Systems Work	P3
Value of Water	P4
Winter Quiz	P4
Indoor Conservation	P5
From Forest to Tap	P6
League of OR Cities	P7
Water Vocabulary	P8
Faces Interview	P9
Public Alerts	P10



# Rebate Monitors *continued*

- **STREAMLABS: Home Water Monitor**

Smart water leak detectors that track water usage and alert you to leaking pipes or appliances allowing you to take action so your home is protected 24/7. For installation, it's recommend to use a Streamlabs Pro Installer.

If you believe a qualifying product has been overlooked, please call **(503) 723-3511** or email [christine@clackamasproviders.org](mailto:christine@clackamasproviders.org). Please contact the retailer for more information.

**Important notice for homes with automatic residential fire sprinklers:**



Improperly installing a leak detector device could hinder operation of fire sprinklers. Always ensure plumbed leak detection devices are installed only on the domestic water line after it diverts from the fire sprinkler system. Never install a leak detection device into your home's main water service line upstream of the fire sprinkler system. Consult a licensed plumber

## Winter Water Conservation Tips



### How to Protect Outside Plumbing

- Caulk around pipes where they enter the home.
- Close all foundation vents and fill vent openings with wood or Styrofoam™ blocks.
- Turn off and drain all outdoor faucets/hose bibs and irrigation systems.

- Wrap all outside faucets/hose bibs with insulation. Use molded foam-insulating covers which are available at hardware stores. Newspaper or rags (covered with plastic wrap) are another option.

### How to Protect Inside Plumbing

- Insulate pipes in unheated areas, such as attics, crawl spaces and basements.
- When below-freezing weather is forecasted, open cupboard doors in the kitchen and bathrooms. This allows these pipes to get more heat from inside your home.
- If you leave home for several days, put your furnace on a low setting (50 degrees). This may not prevent freezing pipes but it can help.
- Let a slight **drip** of water run when temperatures dip below freezing.





# How Water Systems Work

## About the Clackamas River Water Providers

The Clackamas River Water Providers is a coalition of the municipal water providers that get their drinking water from the Clackamas River. The purpose of the organization is to fund and coordinate efforts regarding source water protection and public outreach and education around watershed issues, drinking water, and water conservation, so that we can preserve the Clackamas River as a high-quality drinking water source and minimize future drinking water treatment costs, while being good stewards of the river.



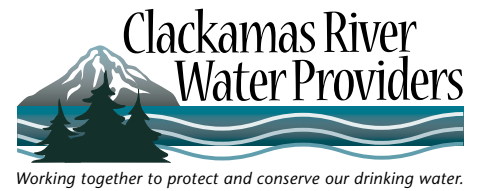
By working together, we are able to jointly fund projects and studies that benefit all the providers but which would be too expensive to do individually. It allows us to foster

closer relationships with each other as intra-basin water suppliers, and to speak in one voice when working with other stakeholders in the basin such as PGE. It also allows us to realize the economies of scale and save money by sharing in the costs of staff people to manage and coordinate programs that benefit all our agencies.

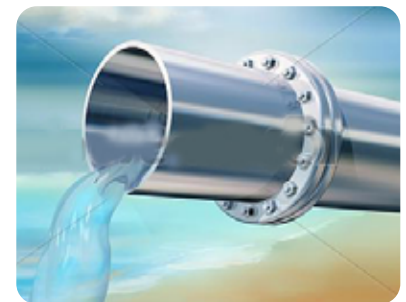
### DID YOU KNOW?

- We meet some of the world's most stringent water quality standards.
- From foods and beverages to toothpastes and perfumes, water is the primary ingredient in hundreds of thousands of everyday products.
- In Clackamas and Washington Counties water remains relatively inexpensive, delivered to you at under a penny per gallon.
- Most of the over 300,000 people that get their drinking water from the Clackamas River do not live in the watershed.
- It is not possible to tell if water is safe to drink by visual examination.

- Without water treatment, preventable waterborne disease such as cholera and dysentery would be part of everyday life.



- Tap water undergoes far more frequent testing than bottled water does.
- The standards set under the Safe Drinking Water Act are some of the most stringent in the world.
- A typical water tower can hold 50 times the amount of water as found in a normal in-ground swimming pool in someone's backyard (around 25,000 gallons x 50).
- It is a federal offence to tamper with a public water tank, tower, or reservoir.
- During a fire, water reservoirs and towers guarantee that there will be enough pressure to keep water flowing through the fire hydrants.
- In the US, there are almost one million miles of distribution systems representing the vast majority of physical infrastructure needed to get safe water from the source to the consumer's tap.
- Most of our water distribution systems are old and are in need of repair and replacement.
- Whether inside or outside your home, a leak can waste hundreds of gallons of water per year.
- Some leaks are easy to see or hear. Others are small. However, big or small, any leak costs money and should be repaired as soon as possible.
- In Clackamas County dry barrel fire hydrants are used which makes it nearly impossible for a car to run over a fire hydrant and cause it to gush water like they do in the movies.



# The Value of Water

## How often do you think about your tap water?

Probably not often. Out of sight, out of mind, service on demand, 24/7/365 days per year and it is as easy as turning on your tap. But did you know that this service is at risk?

Much of today's public water systems were built more than 50 years ago and little has been done to rebuild or replace this aging infrastructure. Because we've 'kicked that can down the road' for so many years, we now face a large problem of financing and rebuilding those systems before they fail.

The money for operating and maintaining your water system largely comes from rates. Unfortunately, those rates have not included the full cost of replacing the existing infrastructure. This is why the cost of water is rising. In our region water remains relatively inexpensive. Delivered to you at under a penny per gallon, tap water is one of the best values in today's market.

## Tap water is an intricate part of our lives

It is hard to imagine a day without using water. You only have to go without it for a short period to be reminded of its importance. Without water our lives are not only inconveniently interrupted but our public health is also threatened. The future of water requires us to think smart, use water wisely, and recognize the limits of this valuable resource.

## Protecting Public Health

The first obligation of the Clackamas River Water Provider (CRWP) members is to provide water that is safe for consumption. In a world where 3 million people die each year from preventable waterborne diseases, our water systems allow you to drink from any public tap with a high assurance of safety.

## A safe water supply is critical to protecting our public health

Our community water supplies are tested every day. Tap water

undergoes far more frequent testing than bottled water. Clackamas River Water Provider members monitor for more than 100 contaminants and must meet close to 90 regulations for water safety and quality. The water standards that we must meet are among the world's most stringent. Without our modern water systems, diseases such as cholera and dysentery would be part of everyday life.



## Supporting Our Economy

A safe, reliable water supply is central to the economic success of our communities. Public drinking water is critical to the day-to-day operations of businesses and to the viability of new commercial enterprises or residential developments. Businesses take into consideration the availability and quality of water when determining where to locate their offices or manufacturing facilities. A scarcity of water resources can hold up developments – commercial or residential – placing a strain on our local economies.

## Quality of Life

Tap water is more than a convenience; it is central to our everyday lives. Any measure of a successful society is in some way related to the access of clean safe water. Otherwise... How would we shower or flush our toilets? How would we rinse our produce, clean dishes, wash clothes, water plants and landscapes, or wash our cars?

## Fire Protection

Well-maintained water systems are critical in protecting our communities from the threat of fire. In our communities, water flowing to fire hydrants and home faucets comes

*(Continued on page 5)*

## Winter Quiz:

**1. CRWP Members monitor water for how many contaminants?**

- A. Around 50
- B. Close to 5,000
- C. Over 100
- D. They do not monitor

**2. The Clackamas River flows for 82.7 miles from the elevation of:**

- A. 2,000' to 1000' feet
- B. 6,000' to 12' feet
- C. 4,000' to 1500' feet
- D. 10,000' with little elevation change

**3. Oregon's water infrastructure is in significant need of repair, upgrade, and investment.**

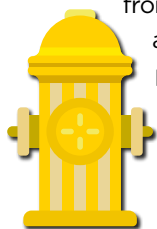
- A. True
- B. False

**4. Winterizing your water pipes include:**

- A. Disconnecting hoses
- B. Turning off irrigation water
- C. Protecting outside faucets and pipes
- D. All of the Above

*Answers - Can be found on page 7*

## Value of Water continued



from the same system of water mains, pumps, and storage tanks. A water system that provides reliable water at a high pressure and volume can be the difference between a manageable fire and an urban inferno. Firefighters are the primary users of fire hydrants, but your public water provider is responsible for maintaining the hydrants. Hydrant maintenance is supported by the money generated through your water bills.

When you consider the critical needs addressed by water service, public drinking water will always be a tremendous value. In fact, it will be a bargain. You simply cannot put a price on a service that delivers public health, quality of life, fire protection, and economic development.

### Want to learn more?

*Check these short videos or visit the following websites.*

Watch the Water Environment Federation's two and half minute video, [Water: What it is Worth to You?](#) which describes how water and wastewater systems are important but undervalued, and how the public must take action to support the upgrades that our water infrastructure needs, or watch the EPA's Video, [Be aware, Be prepared, Protect Critical Water Infrastructure.](#)

Watch the Alliance for Water Efficiency's three-minute video, [Water: What You Pay For](#) to find out what a typical residential water bill covers, and the costs of delivering a consistent, reliable flow of safe and affordable drinking water to your faucet.

Check out [The United State\(s\) of Water](#) info graphic to learn more about our dependence on water and the infrastructure that connects, protects, and supports it.

## Indoor Water Conservation

It's easy and inexpensive to make changes in your house that can save you money each time you turn on the water, flush your toilet, and wash dishes – all year round.

### Start with your bathroom

If you're like most people, you probably use the most water in your bathroom, so it makes sense to make your first changes there:



1. **Switch your bathroom [faucet aerator](#) and [showerhead](#) to [WaterSense-labeled](#) models** – they use 20% less water without compromising performance. The CRWP provides our member customers with free bathroom and kitchen faucet aerators and shower heads. To request your free water conservation devices email Christine at [christine@clackamasproviders.org](mailto:christine@clackamasproviders.org).

2. **Reduce the amount of water flowing through your [toilet](#)**

by regularly checking for and fixing leaks, and retrofitting older toilets. Contact [christine@clackamasproviders.org](mailto:christine@clackamasproviders.org) for your free toilet leak detection tablets/strips and information about EPA Water Sense High Efficiency Toilet rebates.

3. **Take shorter showers.** Each minute you shave off your shower time saves up to 2.5 gallons of water.

### Beyond the bathroom.

Check other parts of your house for water savings:

1. **[Look for leaks](#)** – Many leaks are inexpensive and easy to fix. Contact the CRWP for your FREE Indoor Home Water Audit Kit.

2. **Consider upgrading your [clothes washer](#).** The CRWP provides rebates for Energy Star Certified Clothes washers. Visit the [rebate page](#) on our website for more information.

3. **Turn the sink faucet on only to rinse** or use a large container filled with rinse water when washing dishes by hand. You will save about 2.5 gallons of water for every minute your faucet does not run.

4. **Scrape instead of pre-rinsing.** Save yourself up to 20 gallons of water by scraping food off your dishes instead of pre-rinsing them. Energy Star certified dishwashers and today's detergents are designed to do the cleaning so you don't have to. If your dirty dishes sit overnight, use your dishwasher's rinse feature. It uses a fraction of the water needed to hand rinse.

5. **Wash only full loads.** Dishwashers use about the same amount of energy and water regardless of the number of dishes inside, so run full loads whenever possible.

6. **Know where your master shutoff valve is located.** This could save water and prevent damage to your home. [Click here](#) for more information and images of master shut off valves.



# From the Forest to the Tap

The Clackamas River provides high-quality drinking water to over 300,000 people in Clackamas and Washington Counties. We often take our water supply for granted until it is threatened, either by drought, water main breaks, or some other event. Because water flows instantly from our faucets, most people never think of how the water gets from the forest to our taps.

The Clackamas River watershed is made up of 16 sub watersheds and can roughly be divided in half with the upper portion being forested areas and rugged terrain, while in contrast, the lower portion of the watershed being primarily agricultural and densely populated areas. The Clackamas River begins on the slopes of [Olallie Butte](#) and flows 82.7 miles from its headwaters (elevation 6,000 ft) to its confluence with the Willamette River near Gladstone and Oregon City (elevation 12 ft).

Water is taken out of the river and then treated for human consumption. Once the water is treated it moves through a complex system of pipes, valves, and pumps to storage tanks or reservoirs. There it is stored until it is needed by homes and business in our communities.

## The Costs of bringing water to your tap

Everyone pays a water bill, either directly, or it is figured into rental costs. Most people have no idea what they are paying for.

- **Intake structures** – The Clackamas River Water Providers have five intake structures on the Clackamas River where water is taken out of the river. These facilities must be maintained to function properly.
- **Treatment process** – We have several different treatment processes – conventional treatment, direct filtration, slow sand, and membrane filtration. Treating and disinfecting water have costs associated with chemical use and electricity. There is also ongoing maintenance cost to make sure that these facilities continue to meet drinking water requirements. Both chemical and electrical costs continue to increase.
- **Testing** – State and federal drinking water regulations require water providers to meeting over 100 different water quality standards. This includes testing done during the water treatment process as well as finished water within the distribution system. Sampling and testing can be very expensive.



- **Moving Water** – Electricity is used to power pumps which move water from the river through the treatment process and into the distribution systems.
- **Distribution Systems** – This is the network of pipes, reservoirs, valves, and pumping stations that move water around. Much of this infrastructure is very old and needs ongoing maintenance, repair and/or replacement which cost money.
- **Water Management** – Water providers implement several programs to manage public drinking water systems. Two of these are Water Conservation and Source Water Protection programs. Both aim to ensure we have plenty of high-quality water for years to come.

All these things cost money, but we are still able to provide water at a cost of under a penny per gallon. When you compare that to buying a bottle of water you will realize what an amazing service our public water systems provide. So next time, you take a drink of water remember what it takes to get that water to your faucet and the dedicated people behind the sense that make it all happen.

The region's water needs are constantly changing population growth, cities' configurations change, and ever-tightening State and Federal water quality standards must be met. But the Clackamas River Water Providers stays alert and flexible. Our long history of success allows us to face the future with confidence, secure in its ability to meet the challenges that lie ahead while keeping the cost of water as low as possible.

*(Continued on page 7)*

# League of Oregon Cities 2021 Water Infrastructure Survey

## Excerpts taken from the 2021 Summary Report:

It has been well-documented and long understood that Oregon's water infrastructure is in significant need of repair, upgrade, and investment. Our water infrastructure



plays a critical role in supporting community public health, livability, economic development, environmental protection, housing, and a growing population.

Not only is Oregon's existing infrastructure in serious need of repair, but local water and wastewater providers are also facing new and emerging challenges that will require additional investment and add additional costs. These challenges include:

- Seismic upgrades to better ensure that some of the critical components of water systems will be able to withstand a Cascadia earthquake (e.g., system backbone; lines to hospitals; reservoirs/storage);
- Additional system capacity to support needed housing, including affordable housing;
- Additional water supply storage to combat persistent drought and declining snowpack; and
- New and more stringent water quality challenges/permit requirements, including for stormwater.

In late 2020, the League of Oregon Cities (LOC) sent out an updated survey to its membership to, once again, identify water-related infrastructure needs across the state. The LOC contracted with Portland State University's (PSU) Center for Public Service to conduct the survey. The survey was sent out in November of 2020, with questions that sought to differentiate between medium-term (within the next 10 years) and long-term (within the next 20 years) needs. The updated survey (previous survey was in 2016) also included questions

designed to gain a better understanding seismic resilience needs for water systems and issues related to water/sewer rate affordability.

Of the 100 cities that responded to the survey (out of 241 total cities in Oregon), it identified \$9.7 billion in water infrastructure needs, including both water quality-related needs and drinking water/water supply needs. With this data, PSU was able to estimate approximately \$23 billion in statewide water infrastructure costs in the coming 20 years.

CRWP members include both cities and water districts and this survey does not include information for the hundreds of water districts in the state and therefore undercounts the actual infrastructure cost needs in the state. To read the full report go to:

[https://www.orcities.org/application/files/3816/2196/3174/Infrastructure\\_Survey\\_Summary\\_Report\\_5-25-21.pdf](https://www.orcities.org/application/files/3816/2196/3174/Infrastructure_Survey_Summary_Report_5-25-21.pdf)

## Forest to Tap *continued*

### Get Involved

- **Visit our website** at [www.clackamasproviders.org](http://www.clackamasproviders.org) to find out more about the CRWP.
- **Attend** a Clackamas River Water Providers, city council or water board meeting.
- **Conserve water**, especially in the summer months when river flows are at their lowest. The more water we save during the summer months the more water we can keep in the river for fish.
- **Protect our watershed** by not dumping oil and other hazardous waste where it can enter storm drains.

## Winter Quiz:

### Answers

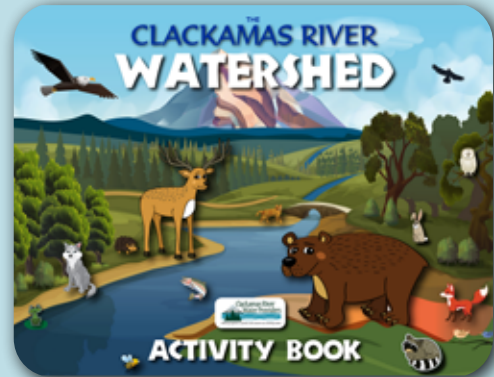
**Question 1** - Answer is C  
**Question 2** - Answer is B

**Question 3** - Answer is A  
**Question 4** - Answer is D

# Water System Vocabulary

CRWP offers an **Activity Book** that teachers can use to help inform students about the importance and value of clean water, and how to protect this precious resource. It includes many cool games, puzzles, and activities to become more familiar with the Clackamas River Watershed where we get our high quality drinking water.

The **Word Search** game is one of many activities found in the book. Easy, yet challenging, take a look below, and see how many words you can find.



**Clackamas  
Public  
Water  
Systems  
provide  
water at  
all hours,  
365 days  
a year!**

## Word Search

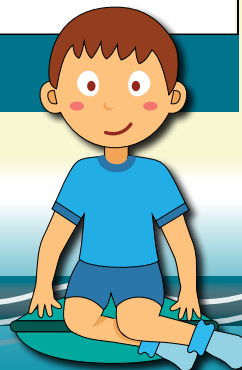
Find the words listed on the right, and circle them in the box below:



I	S	C	Y	M	Q	S	T	N	A	R	D	Y	H	E	R	I	F	Y	G
I	M	L	X	L	T	S	U	X	D	U	E	O	I	S	O	P	W	W	D
Z	E	A	A	E	Y	E	T	Q	U	P	Q	Z	I	Z	L	U	A	A	R
H	T	C	T	S	A	N	X	E	T	J	H	O	J	L	Z	M	T	T	C
E	S	K	P	T	Y	O	C	G	I	H	G	U	D	O	N	P	E	E	Q
N	Y	A	C	A	U	Z	Y	D	L	E	O	G	G	D	R	S	R	R	Q
N	S	M	D	C	G	E	T	O	I	V	N	J	S	A	E	T	C	Q	C
I	N	A	V	A	L	R	I	L	T	C	O	S	R	M	T	A	O	U	L
L	O	S	O	D	A	U	C	K	Y	B	I	R	I	A	A	T	N	A	A
T	T	R	G	A	D	S	N	A	B	M	T	E	O	S	W	I	S	L	C
S	U	I	E	S	S	S	O	O	I	G	C	T	V	C	G	O	E	I	K
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T	T	W	E	J	E	G	O	K	E	U	D	E	E	Q	N	T	T	E	S
I	S	A	K	T	D	W	I	P	K	I	K	T	R	S	I	Q	I	S	R
G	I	T	A	D	D	Z	I	L	N	C	A	A	L	M	R	S	O	T	I
A	D	E	L	L	B	P	I	F	A	R	E	W	U	H	D	Z	N	I	V
R	S	R	E	V	Y	Y	N	F	Y	I	L	Y	U	U	R	H	S	N	E
D	S	T	R	E	A	T	M	E	N	T	P	L	A	N	T	X	D	G	R

## Words:

- Clackamas River
- Drinking Water
- Treatment Plant
- Water Quality Testing
- Pump Stations
- Pressure Zones
- Fire Hydrants
- Reservoirs
- Water Meters
- Pipes
- Distribution Systems
- Water Conservation
- Leak Detection
- Utility Bill
- Estacada
- Lake Oswego
- Tigard
- Oregon City
- West Linn
- Happy Valley
- Damascus
- Clackamas River Water
- Oak Lodge Water Services
- Gladstone





# Faces of Drinking Water *by Christine Hollenbeck*

**Beth McGinnis**  
Emergency Manager  
Clackamas River Water

For our **Winter 2023** interview article we interviewed Beth McGinnis, the semi-new Emergency Manager for **Clackamas River Water**.

**CRWP: Beth, how long have you been working for Clackamas River Water (or CRW)?**

**Beth:** I have been at CRW for 16 months.

**CRWP: What is your position at CRW?**

**Beth:** I am the Emergency Manager, but my job portfolio covers safety and security programs as well.

**CRWP: How did you acquire your position at CRW?**

**Beth:** I came to CRW after a layoff at a local hospital where I was employed.

**CRWP: What was your background prior to working in drinking water?**

**Beth:** I have a background in public health and health/medical emergency management. My Masters is in Public Health from Oregon State and I spent my first 7 years working in the administration and planning of HIV prevention and care programs in Western Washington state (11 counties).

During that time, I was able to take some Incident Command System courses that were required and I really enjoyed it. I worked on public messaging planning for pandemic responses, responded to norovirus outbreaks in senior living homes, raw milk e. Coli outbreaks are some examples of the initial work I did in public health emergency response.

In 2009, I made the jump to the public health/medical emergency management arena and worked in various roles through Multnomah County and the Oregon Health Authority.

**CRWP: What is your favorite/least favorite part of your job?**

**Beth:** My favorite part is to breakdown complex and sometimes intimidating concepts and make them relate-able to all. I am a trainer at heart, so building these "light bulb" moments and seeing it payoff is super rewarding. I tend to prefer roles that support direct workers.

**CRWP: Do you plan on retiring from Clackamas River Water?**

**Beth:** Retirement is at least 20 years out for me. I have a lot rolling around in my mind about the journey between water utilities and the emergency management enterprise. Some of which will be worked out in our upcoming grant project.

**CRWP: : What accomplishments are you most proud of in your career?**

**Beth:** My most meaningful role was with the NW Oregon Healthcare Preparedness Organization, a coalition of 6 counties in NW Oregon's hospitals and allied health providers to respond to disasters (medical, like COVID, and other emergencies (wildfires) where health is a component of the response).

I helped create processes and guidance for the healthcare system to navigate major issues in providing care in extraordinary circumstances where the demand for care far exceeds the capacity of the healthcare community. Tough decisions about resources, population prioritizations, and changing care delivery systems were in my wheelhouse. Much of the work I have done in healthcare has been used to guide the response to COVID-19 and our current pediatric respiratory illness, triple-demic (RSV, COVID-19, Influenza).



**CRWP: What advice would you give to someone starting out in the field of public drinking water (What do you wish you knew your first week working at CRW)?**

**Beth:** This is hard because I am still a water newbie but if I had to give advice to an emergency manager coming to water for the first time, I would help them understand that there is a distinct difference between the infrastructure (pipes/valves) that move water and the water itself, as a commodity.

The average person doesn't know that the water in their pipes may not have been made by the utility they pay their bill to. Wholesale water purchases are dependent on a working water treatment system. If the ability to make water is impacted, some water agencies will struggle as they don't have their own water treatment capacity in house. I learned the interdependence issues with drinking water in my first week and it has been invaluable to my work with CRW and the CRWP.

**CRWP: How has the industry changed since you began working in the water industry?**

**Beth:** Well, I have only been in water

*(Continued on page 10)*

## Faces continued

for 16 months, but I can tell you that the area of emergency management in water utilities is only growing. The EPA's mandate for emergency response plans and related risk assessments has pushed water utilities to look at this capacity from within and determine how to meet the regulatory challenges while existing in partnership with the emergency management agencies at their county and municipal levels, as required.

Since water is a community life safety "lifeline" being able to work in partnership with the government on our worst days will make our response stronger. My hope is that the grant we have obtained will start building that cooperative infrastructure for the CRWP and Clackamas County.

### **CRWP: What do you think is most important about your position?**

**Beth:** I think I am a facilitator and advocate for resilience, safety, security, and strategic investment. I have no problems bringing up challenges, but I also want to help solve the issues.

### **CRWP: What would you like the public to know about their drinking water?**

**Beth:** I think the public should know that re-establishing water service after an incident is a big priority for us, but we must balance customer service restoration with our broader "community good" role as water is something we can't exist without and in those first two weeks after an earthquake, it will be important to work with us to help everyone survive while we get parts of the system up and running.

### **CRWP: What can the public do to help make your job easier?**

**Beth:** The public can support my role by storing water (1gal/person/day, for at least 2 weeks) to help get over the initial response period. Emergency water storage is going to be critical for the survival of us all and many of the animals that we have in our lives.

### **CRWP: What is the one thing you can't live without at work?**

**Beth:** I can't live without art at work. My office is an explosion of color and inspirational figures, quotes, and my personal art projects. My kids' art is tucked in here too.

### **CRWP: What would you say water is to you?**

**Beth:** Life, energy, opportunity, resilience.

### **CRWP: What do you do for fun outside of work?**

**Beth:** I spend time with my family (spouse, 11-year-old twins, a gaggle of animals) - I craft, draw daily, paint, and my major skill is needlework. I have a multiple year cross stitch tapestry that I work on most evenings for at least a half hour.

Beth is a native Virginian and hails from a small community on the VA/NC border. She came west after her undergrad to attend OSU for her master's degree and ended up staying in Oregon. It has been 22 years since she left Virginia. This year was her break-even year with the amount of time she was in Virginia and here in Oregon. We think we can call her an Oregonian now.

CRW and the CRWP have been awarded the State Homeland Security Program grant which we applied for last spring. The purpose of this grant is to create opportunities for interagency collaboration and problem solving between water providers and Clackamas County Disaster Management and Clackamas County Public Health Division to determine the resources needed and the procurement process to meet the objective of providing emergency, life sustaining drinking water for the first 2 weeks post catastrophic event.

We are happy to have Beth and her expertise on board and look forward to working with her to help build a more resilient Clackamas River Water Providers group.

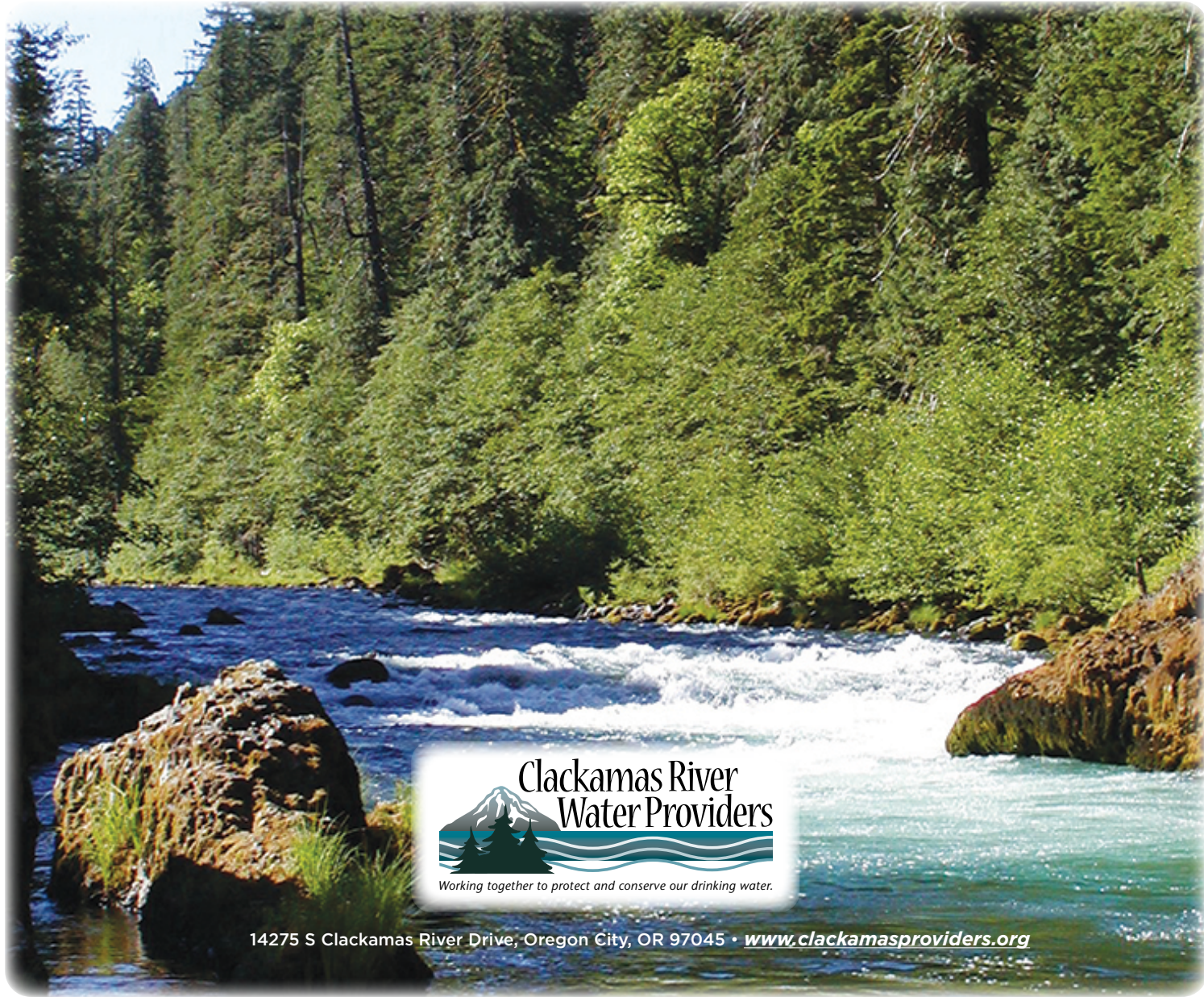
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## Sign-up for Public Alerts

#ClackCo   
PublicAlerts

By providing your contact information as a county resident, you can opt-in to receive critical emergency messaging via email, phone call and text during times of disasters. Important messages that could be relayed include notices to evacuate, shelter-in-place, shelter locations and other extremely important information. To learn more and sign-up [CLICK HERE](#).





**Clackamas River  
Water Providers**



*Working together to protect and conserve our drinking water.*

14275 S Clackamas River Drive, Oregon City, OR 97045 • [www.clackamasproviders.org](http://www.clackamasproviders.org)

**Our Members:**



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[www.cityofestacada.org](http://www.cityofestacada.org)



[www.ci.gladstone.or.us](http://www.ci.gladstone.or.us)



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[www.tigard-or.gov](http://www.tigard-or.gov)

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**CLACKAMAS RIVER WATER**

**REGULAR BOARD MEETING**

**February 16, 2023**

**SUBJECT** Commissioner Reports and Reimbursement Requests

**DRAFT MOTION** NO MOTION REQUIRED

**EFFECTIVE DATE**

**PRINCIPAL STAFF PERSON** Board of Commissioners

**BOARD ACTION REQUESTED** Commissioner Communications

**DOCUMENTS ATTACHED**

- Commissioner Reimbursement Requests
- Committee Liaison Meeting Minutes

**Agenda Summary**

**BACKGROUND**







**NCCWC Meeting report** to CRW Board and CRW GM. Thu Jan 26, 2023 at 5:30 PM (hybrid-lbg on line)

**Regular meeting** Convened meeting; approved agenda; requested public comment; approved minutes of 22 Sep 2022 meeting; adopted consent agenda: checks for Sep, Oct, Nov, and Dec 2022.

**Appointed Gail Stevens Budget officer** for FY 2023-24

**Adopted Budget Calendar**

**Adopted Resolution waiving true-up for FY 2021-22** (~\$186K to remain in the General Fund for 2023-24)

**Received YTD production and financial statements**, Gail Stevens, finance Director

Aug 558 MG produced/purchased; includes 99MG purchased from CRW

Sep 482 MG produced/purchased; includes 86 MG purchased from CRW

Oct 342 MG produced/purchased; includes 60 MG purchased from CRW

Nov 234 MG produced/purchased; includes 71 MG purchased from CRW

Total 2,073 MG produced/purchased, Sales \$1.37M (A/S/O/N), +15% over 2021-22

**Received Operations Report**, Joe Rogers, Plant Supervisor

(N.B.: Finance Director and Plant Super production figures did not agree for Aug/Sep/Oct.)

I report Finance Director's figures only.

**Received General Manager Report**, Wade Hathhorn

Reported snowpack got off to a good start and remains around historical medians, with the reminder that the critical time for snowpack "storage" comes later in the Spring, around mid-May.

**Discussed the apprenticeship program**, with many insights gained in the first year of the program.

First comment, repeated in kind more than once, was, " . . . *quite a bit of administrative reporting that comes with that.*"

There were 2 apprentices initially in the program, but noted that there is the same reporting whether there are 2 or 30 apprentices. Both apprentices left the program at the end of the first year.

Details of the program, under Bureau Of Labor and Industries (BOLI) include that it requires 2 years of On-the Job-Training (OJT), or 4160 hours, including in the office and in the plant, plus formal coursework on top of those hours.

However, after some initial training and coursework an employee can sit for the 1st level exam and gain certification, as did one of the apprentices. She then resigned the apprenticeship program at the end of the first year, and the next day, landed a better-paying position with the City of Lake Oswego. The other apprentice became interested in a different line of work.

It was remarked that, "We would be better off with our own OJT program under our own rules."

In that vein, one local program discussed was Clackamas Community College's (CCC) Water & Environmental Technology (WET) **Associate in Applied Sciences degree** (AAS), a 2- year program. The consideration was that CCC would do the coursework, and NCCWC would do the OJT (training), all outside of BOLI. Another program discussed was a consortium on the west side of town, (i.e., City of Hillsboro, et. al.), which does not involve BOLI, but it is their own program. Some details of this program were discussed.

The recommendation, going forward, was to get back in good stead with BOLI, go along (complete the required reporting) with them, but then develop their own program (at NCCWC/SFWB).

One element of such a program would be to set a Journeyman wage, and then pay apprentices 70% of that wage the first year, and 77% of the wage the second year, culminating in a wage of 100% upon successful completion of the program.

Further, it was noted that the program on the west side is open to a coalition of WTP operators, whereby it can move people around in their training among plants and service providers to gain broad experience. The hiring of successful trainees then becomes catch-as-catch-can, of course; it was noted that this approach mirrors training of fire department personnel in our region. So, if there are six service providers, training a dozen apprentices, one provider would expect to garner a couple of the successful candidates, aiming to get the best ones they can.

CRW Commissioner Garrison was asked if CRW might be open to being part of such a coalition, and replied that they should certainly inquire, with the note that, while not speaking for the group, certainly encouraged the inquiry.

#### **Last Item, Local Contract Review Board**

Sand replacement for the four slow sand filters beds at NCCWC is due. The plan is to replace two beds this Spring, and the other two this Fall. The RFP was for two beds. The renewal calls for 4K cu. yards of new material (for 2 beds), and 4K cubic yards of waste disposal, about 330 twelve-yard truckloads each way.

3 bids were received, 2 at about \$1.73M, and one at \$1.85M. All bids sourced the new sand from Knife River. The sand itself is a finely ground sand with a particular particle size, without fines, (*fines would restrict the flow of water being treated*). Sand cost from Knife River is \$250/yard delivered, making the material cost alone \$1M.

Budgeted amount was \$1.5M, so all bids were over this. Engineer's estimate was \$1.3M; Bid was awarded to Tapani, Inc., Battle Ground, WA (\$1.73M?).

The meeting was adjourned at 6:10 PM.

R/s, Rusty Garrison CRW Commissioner