



Clackamas River Water

Monthly Update

September 2022



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Purchase Order Report- July 2022

Purchase Order Report - July 2022

Vendor: 00011 - HACH COMPANY

PO #	Description	Date	Total Amount
23-0002	CHLORINE TEST REAGENTS	08/16/2022	4,700.86

Vendor: 00125 - ENCORE GRAPHIC

PO #	Description	Date	Total Amount
23-0049	ENVELOPES	08/29/2022	1,740.00

PO #	Description	Date	Total Amount
23-0050	AP CHECK STOCK	08/29/2022	385.00

Vendor: 00128 - IDEXX DISTRIBUTION CORP.

PO #	Description	Date	Total Amount
23-0038	SUPPLIES FOR COLIFORM & CHLOR	08/16/2022	20,000.00

Vendor: 00193 - ABC FIRE EXTINGUISHER INC

PO #	Description	Date	Total Amount
22-0112	2022 CRW FIRE EXTINGUISHERS ANI	08/23/2022	2,490.00

Vendor: 00215 - RELIABLE FENCE & CONSTRUCTION

PO #	Description	Date	Total Amount
23-0036	FENCE REPAIRS	08/10/2022	7,500.00

Vendor: 00304 - CANTEL SWEEPING

PO #	Description	Date	Total Amount
23-0045	LOT SWEEPING SERVICES	08/23/2022	7,140.00

Vendor: 00552 - OREGON IRRIGATION

PO #	Description	Date	Total Amount
23-0037	CRW BACK FLOW TESTER	08/11/2022	2,100.00

Vendor: 00992 - POLLARDWATER.COM

PO #	Description	Date	Total Amount
23-0042	WATER WORKS TOOLS AND MISN.	08/18/2022	4,000.00

Vendor: 01546 - CASCADE COLUMBIA DIST CO INC

PO #	Description	Date	Total Amount
23-0047	SODA ASH - DENSE - FY2023	08/25/2022	40,000.00

Vendor: 01677 - TOYOTA OF GLADSTONE

PO #	Description	Date	Total Amount
23-0040	TOYOTA TACOMA	08/17/2022	39,716.33

Vendor: 03543 - SIX ROBBLEES INC

<u>PO #</u>	<u>Description</u>	<u>Date</u>	<u>Total Amount</u>
23-0044	HEAD ACE RACK AND BOXES	08/22/2022	5,000.00
Vendor: 03701 - SHRED NORTHWEST LLC			
<u>PO #</u>	<u>Description</u>	<u>Date</u>	<u>Total Amount</u>
23-0041	ANNUAL SHREDDING SERVICES	08/18/2022	1,000.00
Vendor: 03775 - FIELD INSTRUMENTS & CONTROLS			
<u>PO #</u>	<u>Description</u>	<u>Date</u>	<u>Total Amount</u>
23-0048	RAW WATER FLOW METER	08/25/2022	16,427.00
Vendor: 03782 - PAPE MACHINERY INC.			
<u>PO #</u>	<u>Description</u>	<u>Date</u>	<u>Total Amount</u>
23-0043	EQUIPMENT MAINTENANCE	08/22/2022	10,000.00
Vendor: 03990 - CADMAN INC.			
<u>PO #</u>	<u>Description</u>	<u>Date</u>	<u>Total Amount</u>
23-0052	ROCK 3/4"	09/02/2022	32,729.00
Vendor: 04080 - GREEN GUARD			
<u>PO #</u>	<u>Description</u>	<u>Date</u>	<u>Total Amount</u>
23-0046	ONGOING SUPPLY AND RESTOCK OF	08/23/2022	3,000.00
Vendor: 04147 - CITY WIDE TREE SERVICES INC			
<u>PO #</u>	<u>Description</u>	<u>Date</u>	<u>Total Amount</u>
23-0039	CITY WIDE TREE SERVICE	08/17/2022	10,000.00
Vendor: 04391 - FORBISTER ROOFING INC			
<u>PO #</u>	<u>Description</u>	<u>Date</u>	<u>Total Amount</u>
23-0012	SYSOPS SHOP ROOF REPLACEMENT	08/10/2022	77,025.00
Vendor: 04417 - FLEXIM AMERICAS CORP			
<u>PO #</u>	<u>Description</u>	<u>Date</u>	<u>Total Amount</u>
23-0051	RAW WATER FLOW METER	08/30/2022	16,427.00

Contracts Log

(Executed since last board meeting August 11, 2022)

Company	Product / Service	Rates	Eff. Date	Exp. Date	New/Amended/ Extended
Executive Security Services	Riverside Park Security-Summer	NTE \$25,300	5/5/22	9/25/22	Extended for time and increase in NTE
PBS Engineering & Environmental Inc	Design of Redland Road WL	NTE \$44,475	7/1/21	6/30/23	Extended for time
WHA	Insurance Agent of Record	NTE \$40,000	9/1/22	9/1/23	Extended

Summary of Legal

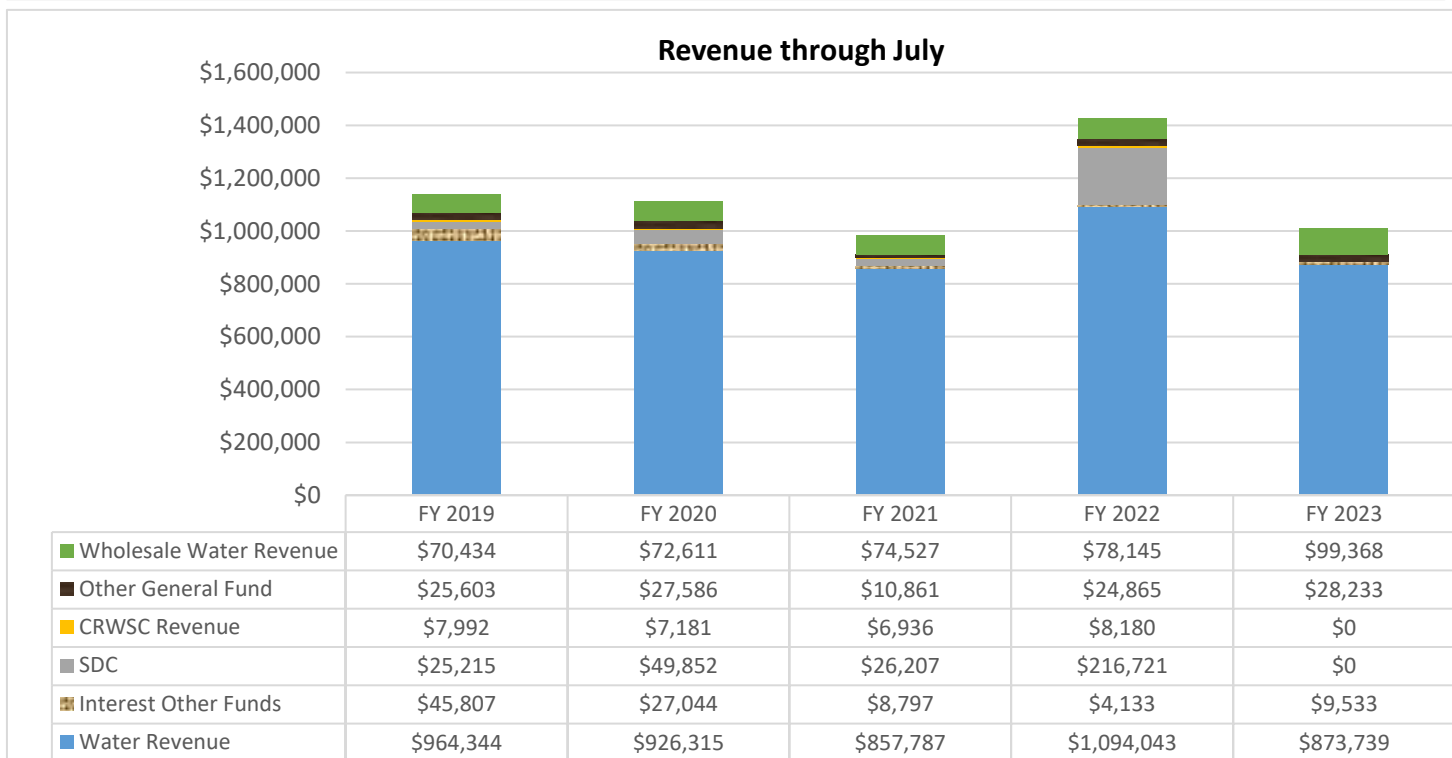
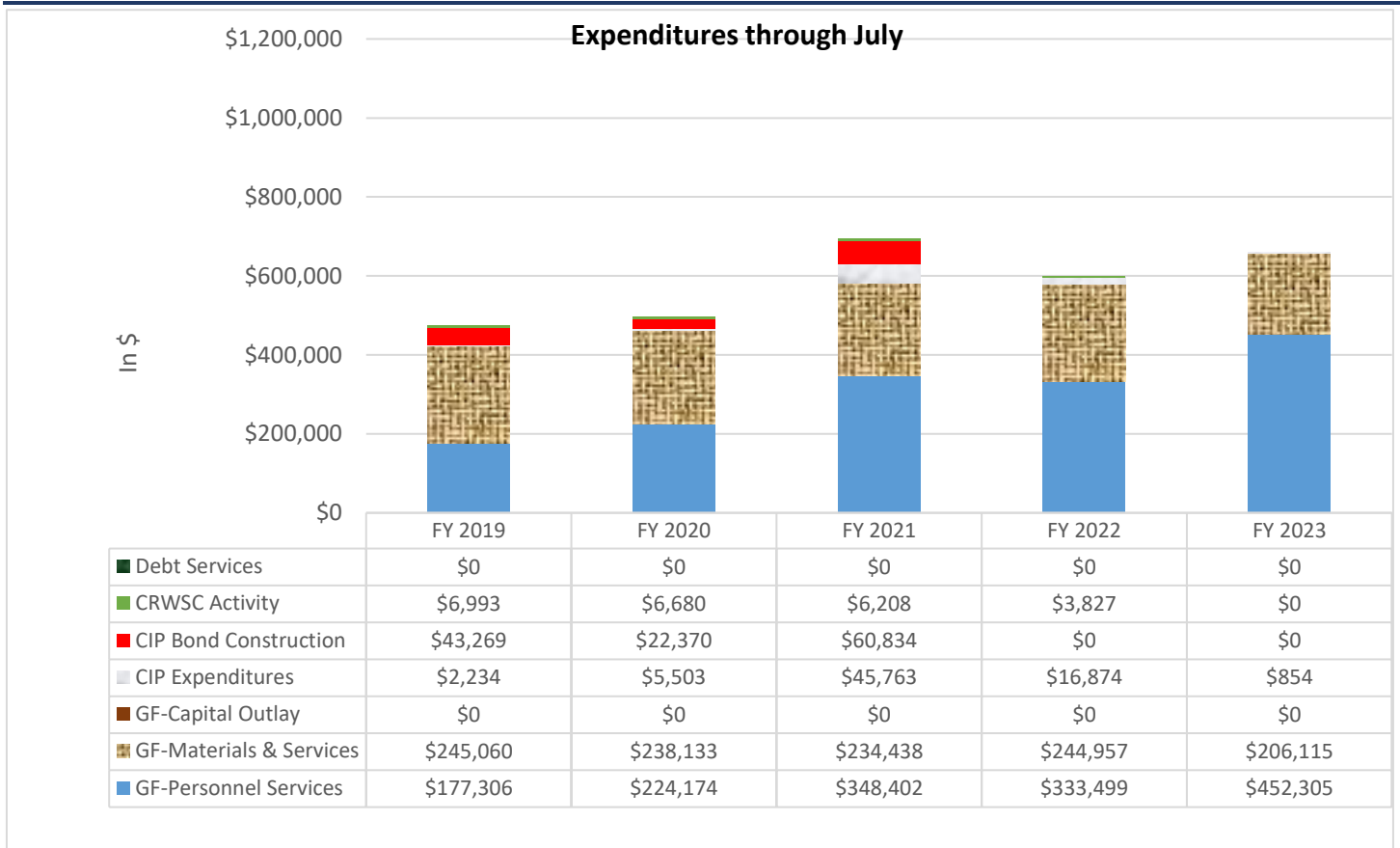
August 2022

Harrang Long Gary Rudnick monthly retainer	\$ 4,240.00
Harrang Long Gary Rudnick work outside of retainer/Client Cost	\$ 204.40
Sub-contracted legal services	\$ _____
Total Legal	\$ 4,444.40

Public Records Request Received

Number of Records Requests Received in August 2022 1

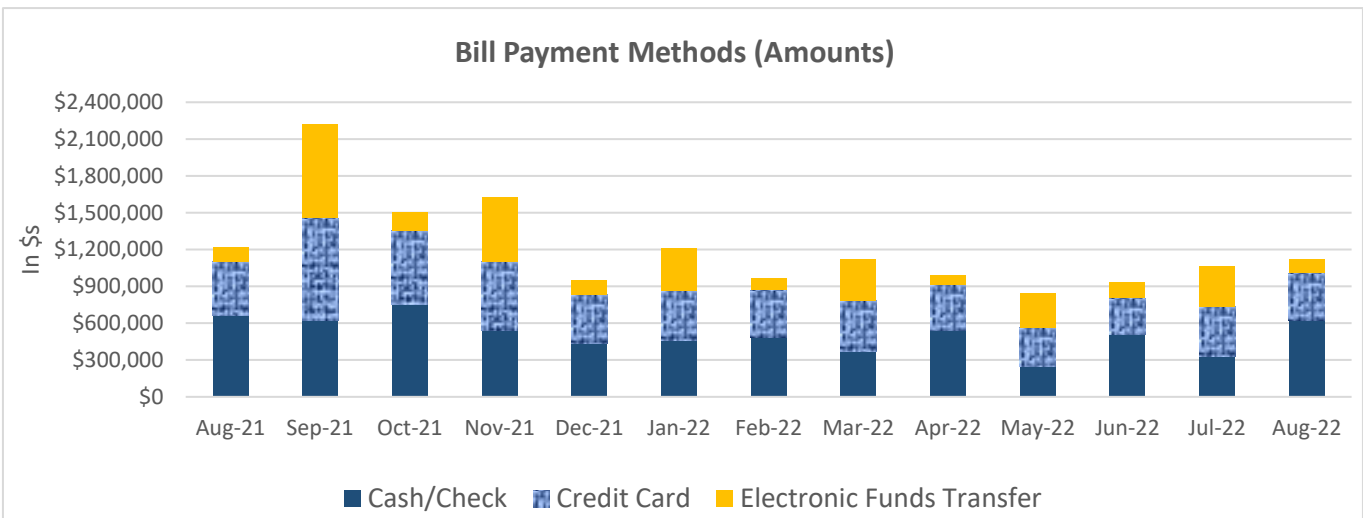
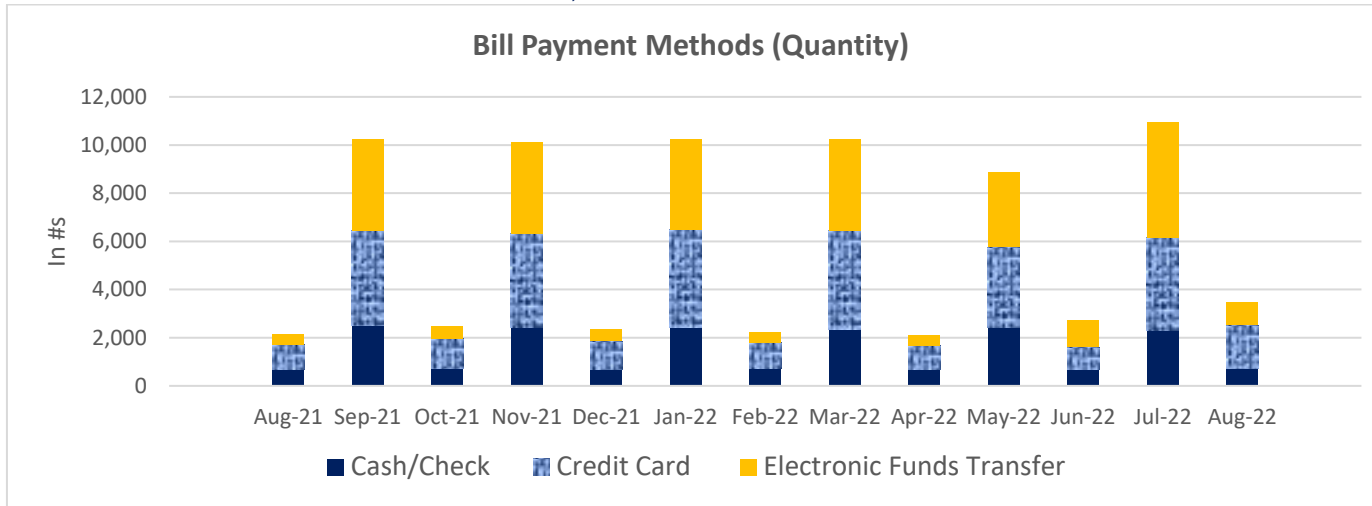
Financial Activity



1) Water revenue is lower than the prior year due to a reduction in water use. 2) Other General Fund revenue is higher primarily due to increasing interest rates. 3) There are no costs for CIP Bond as that fund was closed out in FY 2021 but will be reported in the 5-year graph until 2026. 4) Personnel Service expenses were higher than prior years but in line with budget.

(as of the end of August 2022)

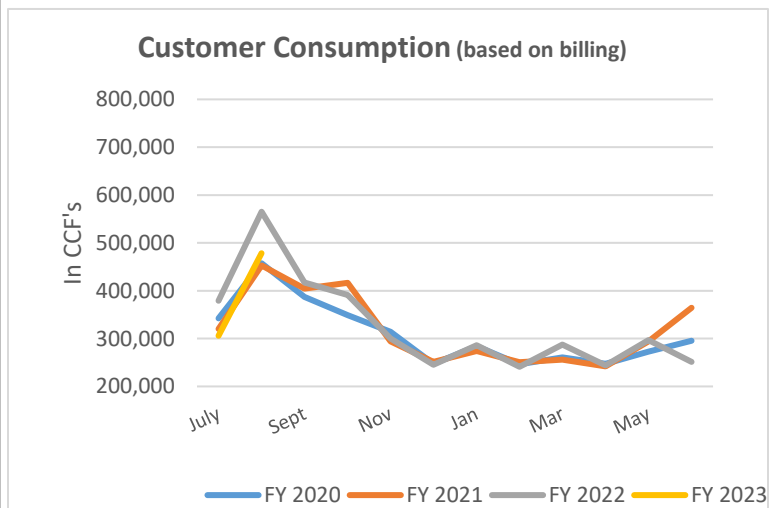
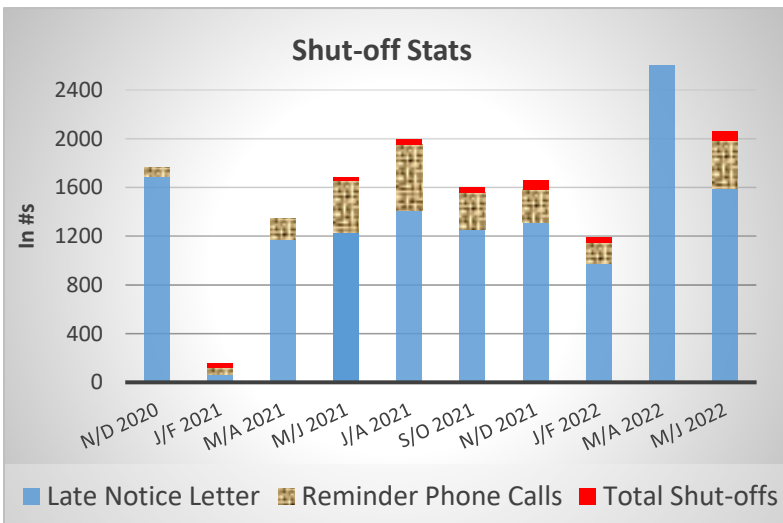
Residential Customers are billed on even months, Commercial Customers are billed on odd months.



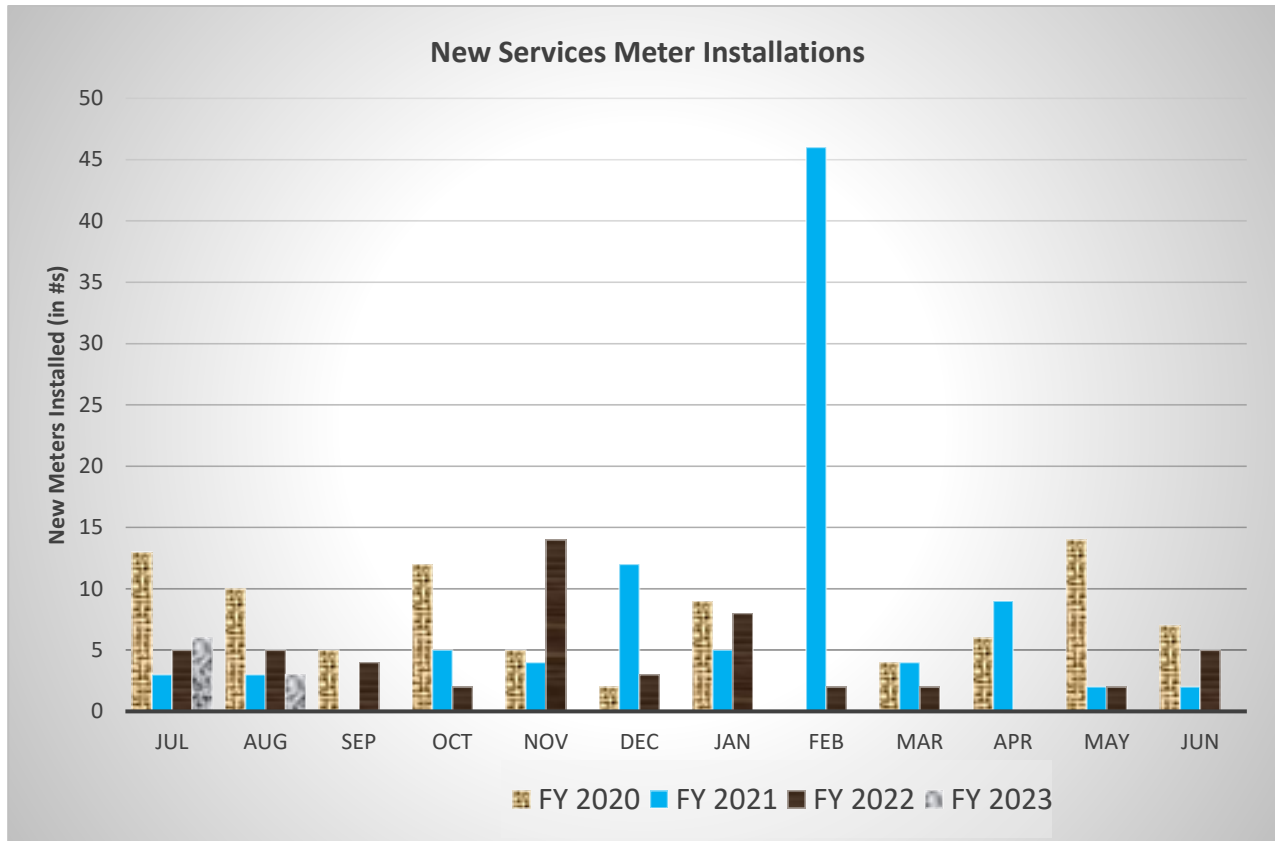
Cash/Check – Received via Lockbox, Counter

Credit Card – Received via CRW Initiated Automatic Payment, Walk-ins/Phone Calls, and Website

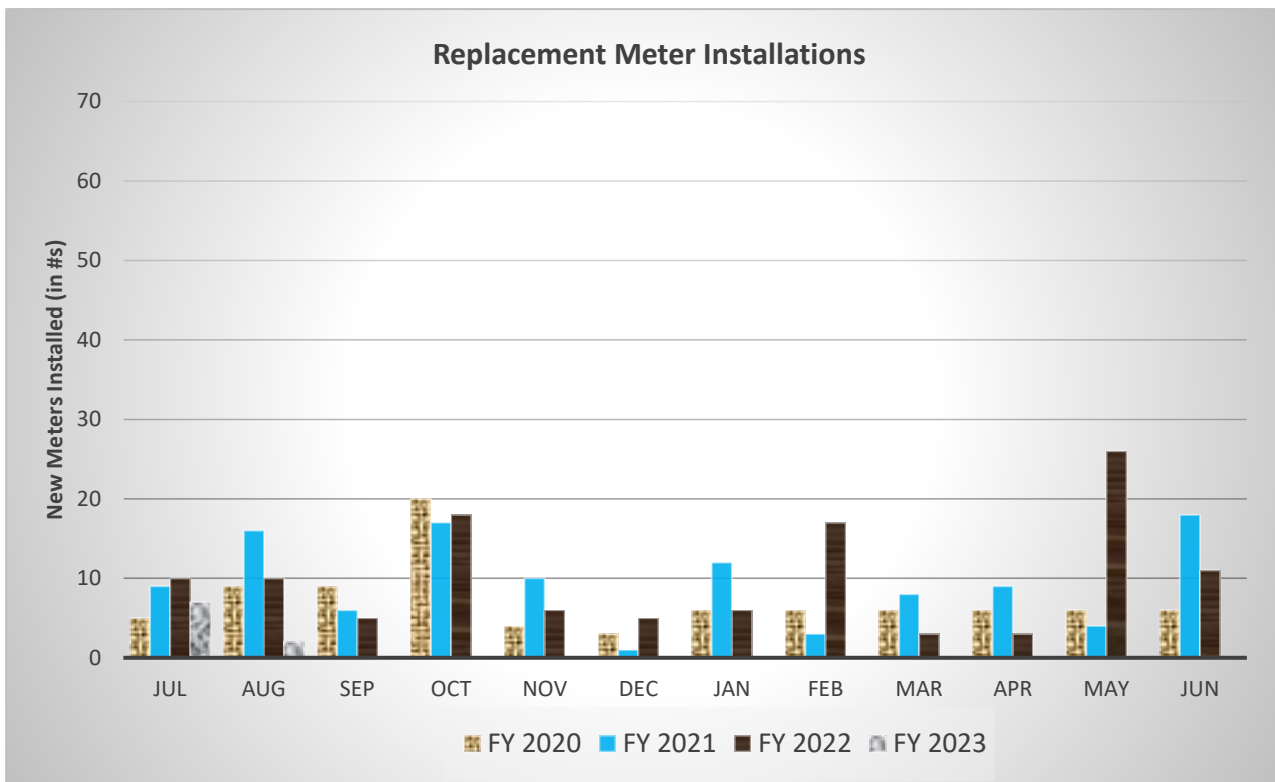
Electronic Funds Transfer – Received via Bank-to-Bank Transfer, Automatic Checking Withdrawal (RapidPay)



*Reminder Phone Calls are made during the even months. Shut offs occur the following month. **Jan/Feb late notice number is an estimate *No late notices Sept-Dec. '20; reinstated February and sent in May 2021



No new services for Feb. FY20, Sept. FY21, April F22



Annual 2022 Goal for Meter Replacement is 350- Year to date is 75

Operation Statistics

	Leak Repairs Made (all pipe sizes)	Leak Detection Completed (miles)	Hydrant Maintenance	Locate Requests	Valve Maintenance & Mapping	After-hours Callouts	Meter Maintenance Tasks	Cross Connection Inspections
Aug. 2021	0	3.7	160	472	4	0	100	0
Sep. 2021	2	10.82	156	524	0	8	74	1
Oct. 2021	1	17	12	398	18	4	25	14
Nov. 2021	3	0	0	331	0	5	64	1
Dec. 2021	2	0	98	285	6	8	2	0
Jan. 2022	1	0.0	14	370	1	19	63	0
Feb. 2022	3	0.0	50	387	19	2	23	7
Mar. 2022	3	0.0	20	516	1	7	24	1
April 2022	0	0.0	35	410	20	5	20	0
May 2022	1	0.0	93	437	49	4	43	1
June 2022	5	3.4	63	429	54	4	3	2
July 2022	3	9.0	50	385	39	9	108	1
Aug 2022	0	6.7	76	397	1	7	42	5
Total 2022 year to Date	16	19.1	401	3331	184	57	326	17
2022 Annual Goal	N/A	120.0	1,120	N/A	500	N/A	N/A	96

Note - Annual maintenance goals are established based on several criteria including; AWWA Best Management Practices, identified system priority maintenance and repair focus needs, and internal/external project forecasts.

Project Updates

Private Development Projects

Private Project Tracking – August 2022

Project No.	Name	Description	Phase	Status
16-5205 Private	Glen Oak Master Meter	8" Master Meter to Oregon City	Const.	Punch list underway.
19-5240 Private	Home2 Suites	12" main for 101-unit hotel, 4" meter	Const.	Complete
19-5254 Private	D St. Improvements	Road Extension with utilities (at Fuller P&R)	Const.	Complete
19-5255 Private	Fuller Station Affordable Housing	100-unit Multi-family housing, 4" meter	Const.	Punch list underway. As-builts in progress.
19-5256 Private	Residence Inn by Marriot	117-unit Hotel at Clackamas Town Center, 4" meter	Const.	Complete
20-5262 Private	Bonaventure Senior Living	6" fire service and 3" meter	Const.	No activity.
20-5272 Private	Elite Motors	8" Main and 1" Meter	Design	No activity.
21-5283 Private	NCSD Facility	1 - 6" Fire Service 3 - domestic meters	Const.	Punch list underway.
21-5284 Private	Quail Park	15 lot subdivision in Milwaukie	Const.	Waterline complete. Punch list in progress.
14-5169 Private	Church of Portland	6" Fire Service and 2" domestic meter	Const.	Punch list underway.
21-5285 Private	130 th Industrial Park	3-fire services 3-commercial services	Const.	Construction scheduled for late summer.
18-5288 Private	Copper Heights	Residential 30 lot subdivision	Const.	Construction beginning this month.
21-5289 Private	224 Logistics Center	Unified Grocer site; 4 fire & 4 Domestic Services	Design	Preparing Developer Agreement

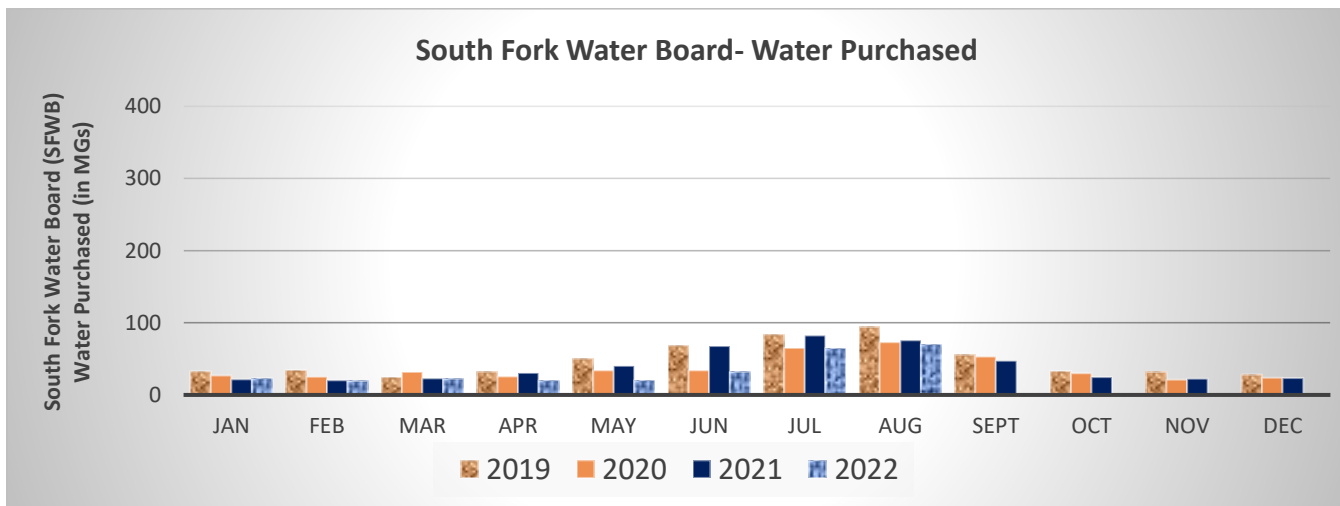
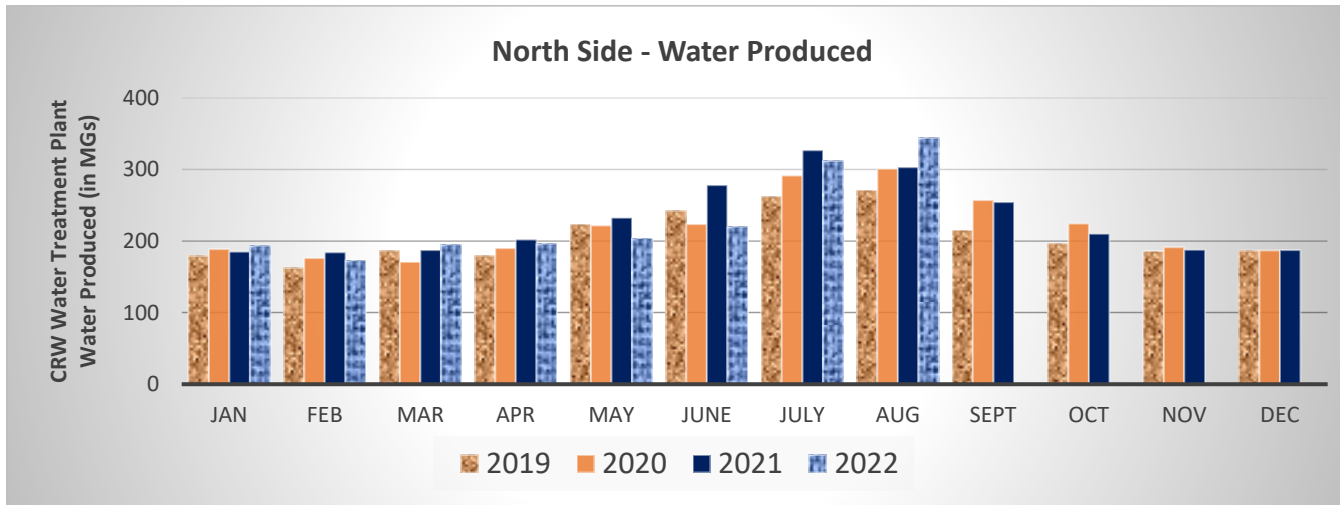
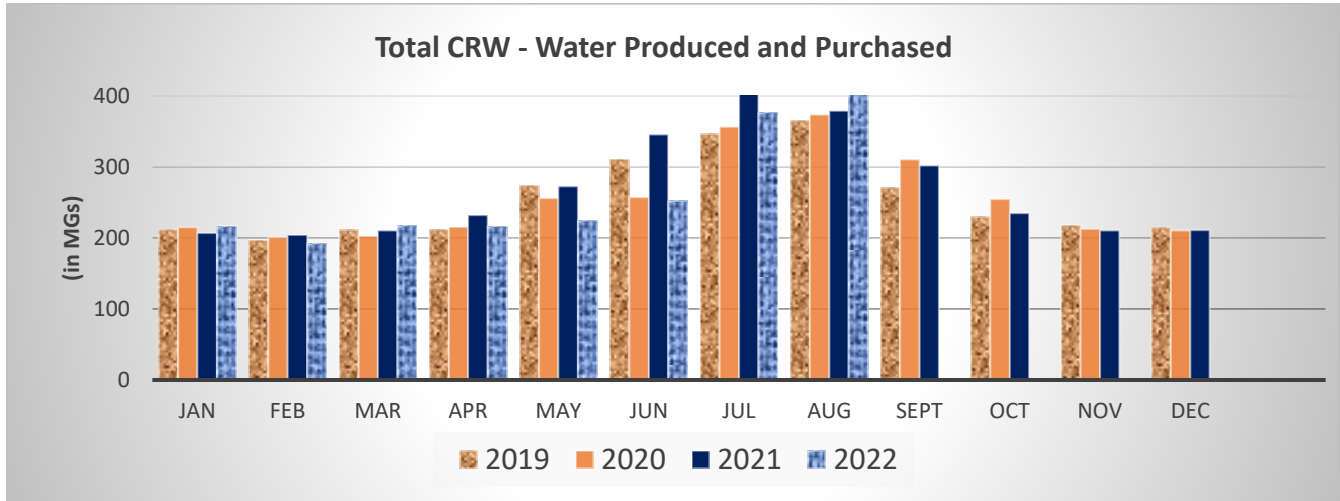
Project Updates

Capital Project Tracking

Capital Project Tracking - July 2022

Project No.	Name	Total Budget BN 2021-23	Total to Date* (thru last month)	Remaining Budget	Status
5274	ODOT/City/Clackamas County DTD	\$250,000	\$7,344	\$242,656	
Utility coordination and adjustments at: Johnson Cr. Blvd at 79th Place Signals; WES force mains, ODOT 82nd Ave. improvements.					
5275	Athens Drive Waterline	\$641,000	\$516,030	\$124,970	Complete
5276	Fawn Ct. Waterline	\$277,000	\$0	\$277,000	No Activity.
Fawn Ct is a waterline replacement in a short cul-de-sac. The project is tentatively scheduled for design and construction later in the biennium; however, staff is keeping an eye on increasing costs of other projects.					
5277	Leland Road Master Meter	\$493,000	\$1,850	\$491,150	
Discussing with Oregon City logistics and impact of meter transfers.					
5273	Redland Rd. Waterline Phase 1	\$1,080,000	\$5,046	\$1,074,954	Design 60% complete
County is acquiring Right-of-Way. Scheduled for construction in 2023, however, new County schedule now shows construction possibly in 2024. CRW is considering impact of constructing prior to County project.					
5270	Linwood Road Improvements	\$328,000	\$199,478	\$128,522	
County is acquiring Right-of-Way. Scheduled for bid opening in January 2023.					
5278	Monroe Street Improvements	\$940,000	\$3,213	\$936,787	Gathering data
County road improvement schedule has construction in 2024. Staff is collecting data and researching project for design and construction in 2023 prior to County project.					
5279	Maplelane Road Waterline	\$846,000	\$58,544	\$787,456	
Project has been bid, a contractor selected, and contracts signed. Ductile iron pipe delivery is estimated in early December. Easement is being negotiated.					
5280	Pump Station Chlorine	\$168,000	\$6,932	\$161,068	Study Phase.
Researching chlorine systems and designing spaces to house the equipment.					
5281	WTP Polymer Feed System	\$476,000	\$307	\$475,693	Study/design phase
Researching feed systems and designing location on first floor within WTP.					
5282	WTP Filter Valve Replacement	\$692,000	\$12,081	\$679,919	
Valve procurement quotes due Sept. 9 Delivery is estimated at approximately 30 weeks after signed contract. An installation contract is being prepared and will be advertised for contractors.					
5253	82nd Dr. Waterline - Phase 1 (Carryover)	\$97,000	\$46,974	\$50,026	Complete.
5287	90th St PS Electrical		\$55,825	(\$55,825)	Complete.
5291	I-205 Crossing		\$1,107	(\$1,107)	
5292	Johnson Creek Blvd. Improv.		\$1,140	(1,140)	
5243	CRC Mobility Improvements		\$42,235	(\$452,235)	Complete
Totals		\$6,288,000	\$957,752	\$5,330,248	

Notes: 1) Includes all costs through all project phases (planning, design, construction) spanning multiple fiscal periods as applicable.



Regulatory

All 73 samples collected and analyzed for the August monitoring period showed no presence of coliform/*E. coli* bacteria.

Cyanotoxin Testing

Microcystin and Cylindrospermopsin sampling of our raw water began in May and occurs every two weeks for compliance.

No cyanotoxins have been detected in our raw water.

Non-Regulatory

General water quality parameters (pH, temperature, chlorine, TDS, hardness, alkalinity) were collected throughout the distribution system at 16 locations in the North and South systems.

Monthly watershed sampling was conducted at 4 long-term sampling locations for total organic carbon, nutrients (nitrate/nitrite, total phosphorus, orthophosphate, etc.), coliform density, pH, dissolved oxygen, TDS, and temperature.

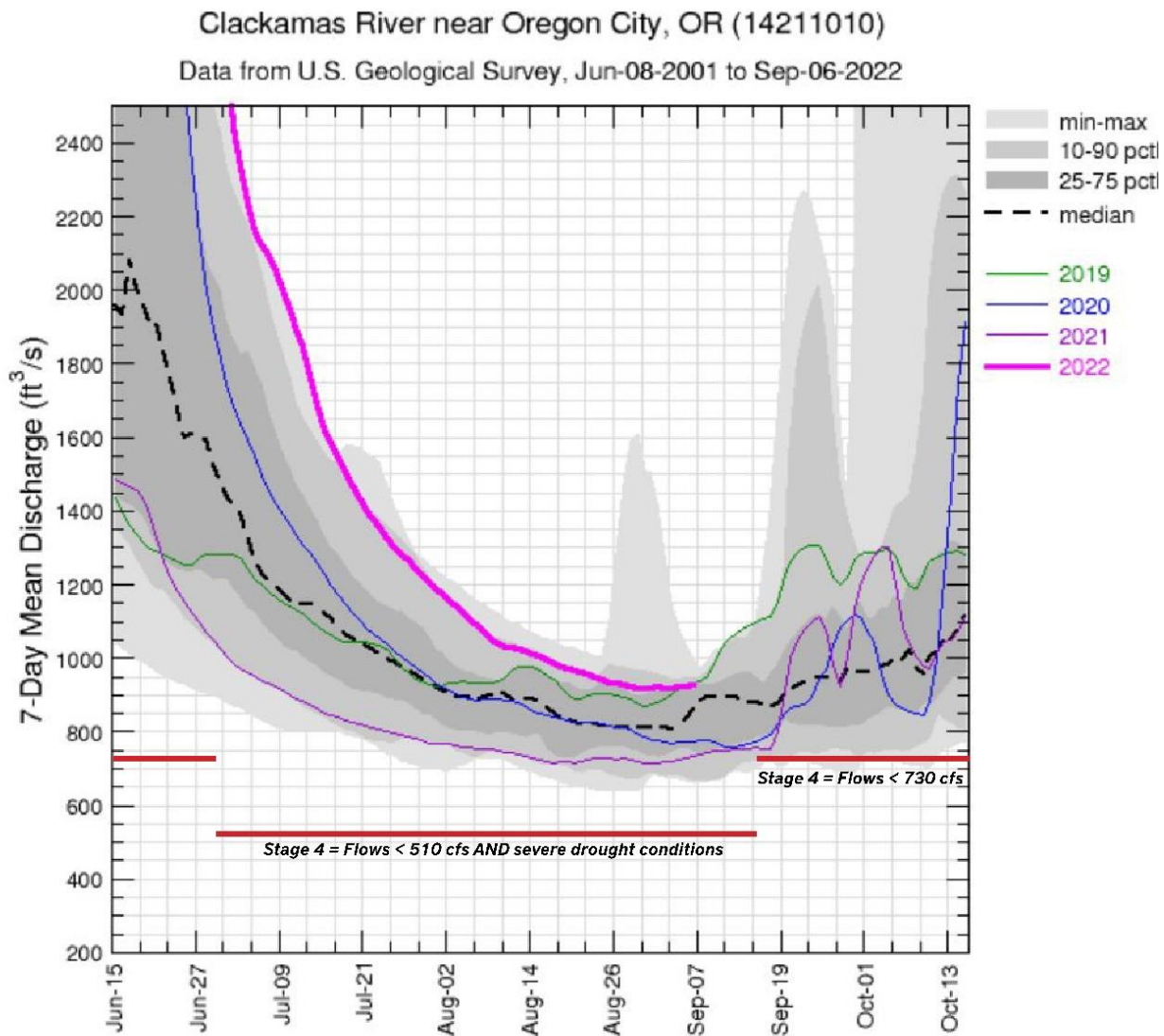
Quarterly sampling was conducted in raw water at the treatment plant intakes for inorganic compounds including metals, volatile organic compounds (VOCs, 21 regulated for drinking water, 36 unregulated), synthetic inorganic chemicals (SIOCs, 29 regulated for drinking water, 5 unregulated), and synthetic organic chemicals (SOCs, 29 regulated, 14 unregulated).

Weekly algae monitoring is occurring at 3 locations in the North Fork Reservoir and CRW's intakes. This work includes species monitoring with the FlowCAM and nutrient analysis.

Raw water at our intakes was tested for giardia and cryptosporidium.

River Conditions Reports

- As of September 5th, the **7-day average discharge** of the Clackamas River near Oregon City is around **111% of the median**.
- The **three-month climate outlook** (Sep. – Nov.) indicates probabilities favoring near **average precipitation** and **above-average temperatures** statewide.
- The **8-14-day outlook** favors **above-average precipitation** and **below-average temperatures** throughout the state.



Tue Sep 6 13:48:53 2022