



Clackamas River Water

Monthly Update

January 2023



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Purchase Order Report- December 2022

Vendor: 00124 - H D FOWLER CO INC

PO #	Description	Date	Total Amount
23-0090	WATERWORKS PARTS & MATERIALS - REDLAND RD. CIP 21-5273	12/13/2022	170,976.32

Vendor: 00165 - UNIVAR SOLUTIONS USA INC

PO #	Description	Date	Total Amount
23-0091	ASCORBIC ACID	12/13/2022	3,341.70

Vendor: 03568 - LEGGETT ASPHALT INC

PO #	Description	Date	Total Amount
23-0089	CRW ASPHALT PAVING	12/08/2022	10,000.00

Vendor: 04210 - INDUSTRIAL HEARING SERVICES

PO #	Description	Date	Total Amount
23-0088	MOBILE AUDIOGRAM TESTING	12/08/2022	575.00

Vendor: 04384 - COWLITZ CLEAN SWEEP

PO #	Description	Date	Total Amount
23-0087	SPILL CLEANUP - WTP CHLORINE STORAGE ROOM & VAULT	12/06/2022	9,864.21

Vendor: 04435 - NW CUSTOM STRUCTURES, PRO METAL BUILDINGS LLC

PO #	Description	Date	Total Amount
23-0092	LOWER YARD EQUIPMENT COVER	12/20/2022	9,837.00

Contract Log

(Executed since last board meeting December 8 2022)

Company	Product / Service	Rates	Eff. Date	Exp. Date	New/Amended/ Extended
Crystal Green Landscape Inc	Landscape Services	NTE \$65,000	1/1/23	12/31/23	Extended
Ferguson Waterworks	Waterworks supplies	NTE \$75,000	12/1/20	11/30/23	Extended
Harrang Long Gary Rudnick	General Legal Counsel	\$4,600/month retainer	1/1/23	12/31/25	New. Approved by the Board 12/8/22
HD Fowler Company Inc.	Waterworks supplies	NTE \$65,00	12/1/20	11/30/23	Extended
K & D Flagging	Flagging Services	NTE \$90,000	1/1/21	12/31/23	Extended
Team Electric	On-call electrical support	NTE \$65,000	1/1/21	12/31/23	Extended

Summary of Legal

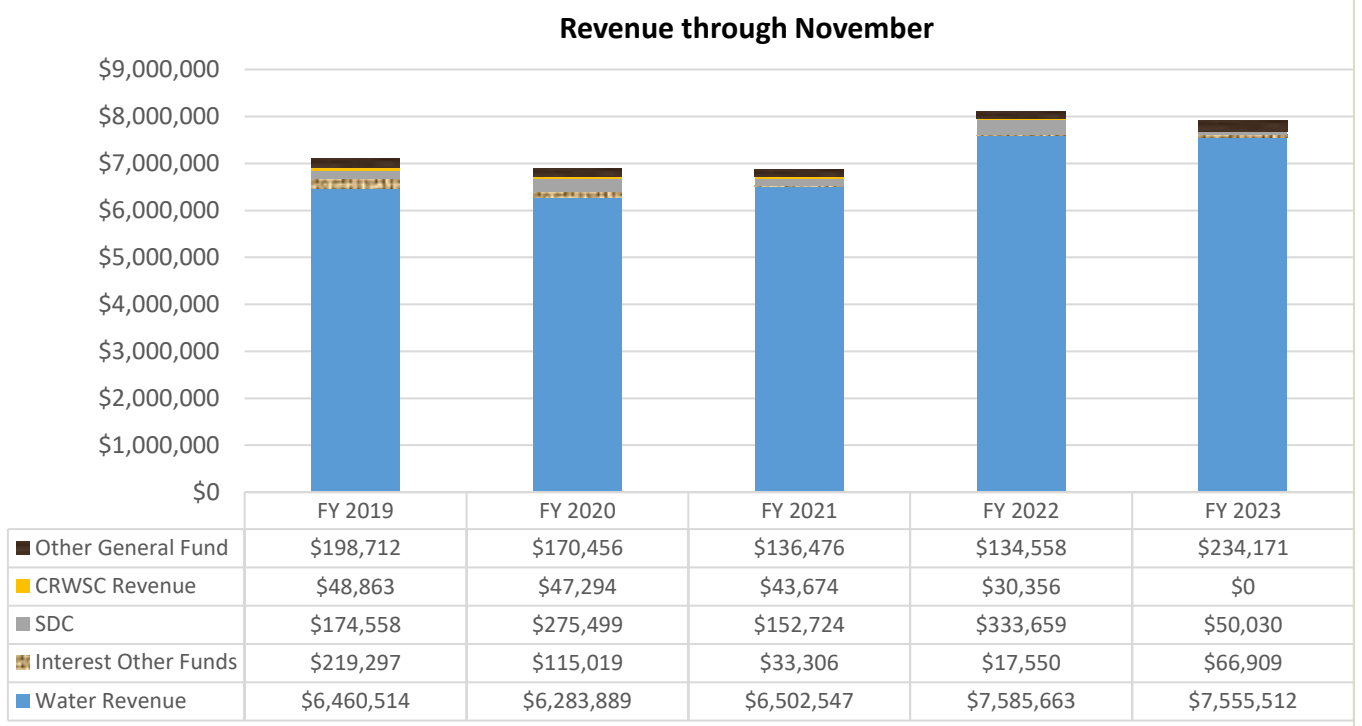
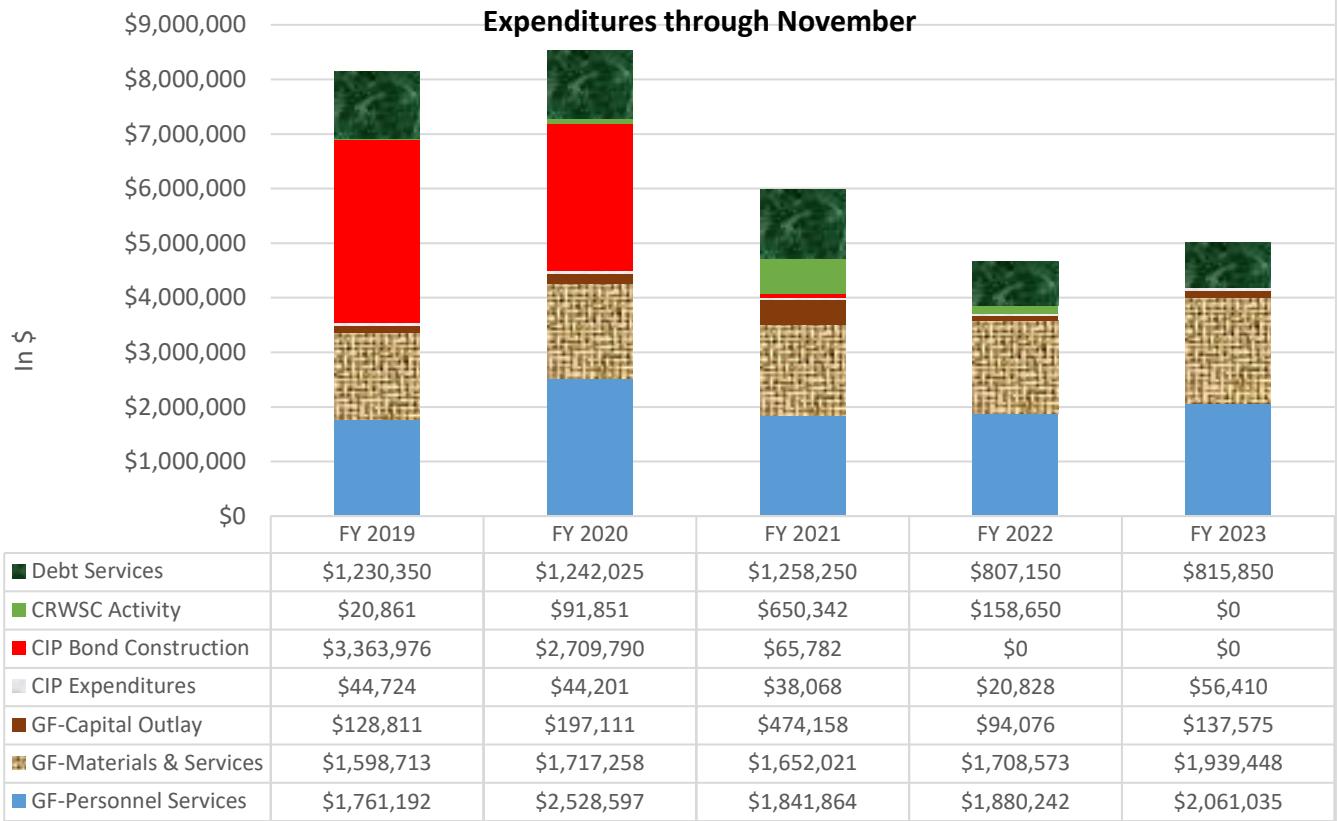
December 2022

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

Public Records Request Received

Number of Records Requests Received in December 2022

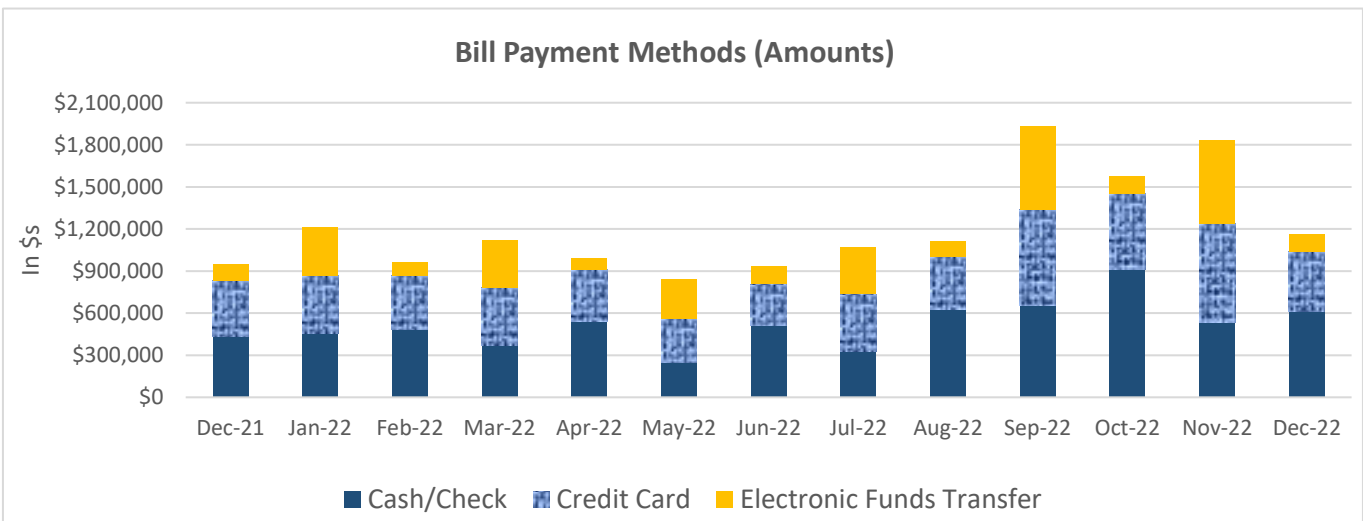
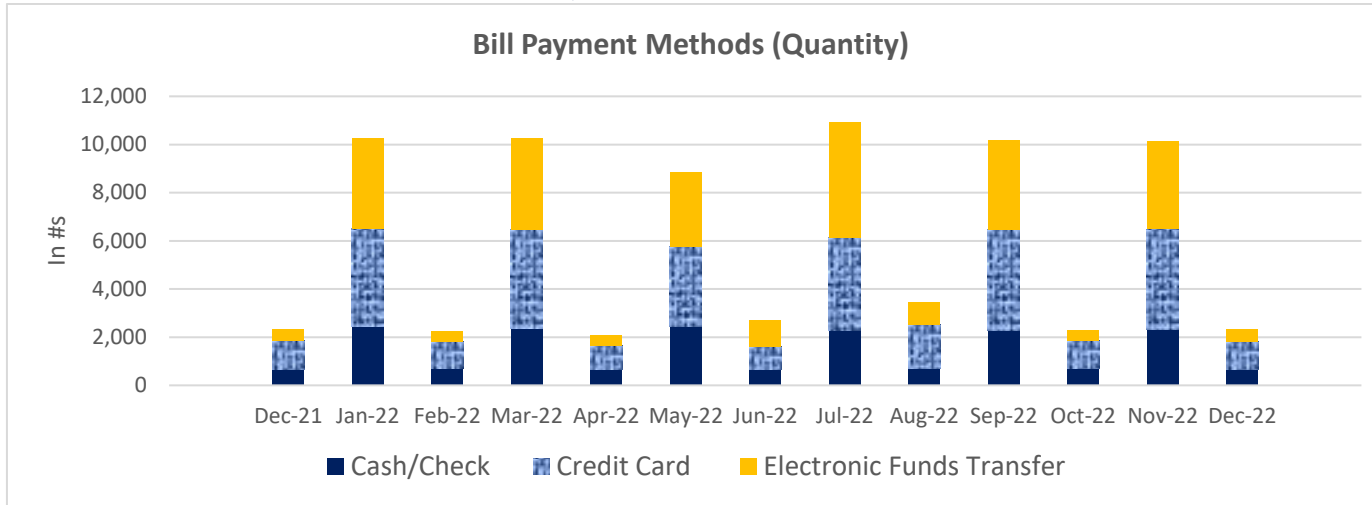
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1) SDC revenue is lower than the prior year due to a reduction in new construction projects in the district. 2) Other General Fund revenue is higher primarily due to increasing interest rates. 3) There are no costs for CIP Bond or CRWSC as those funds have been closed out but will be reported in the 5-year graph. 4) GF-Capital Outlay is higher than prior years due to purchased equipment but is in line with budget.

(as of the end of December 2022)

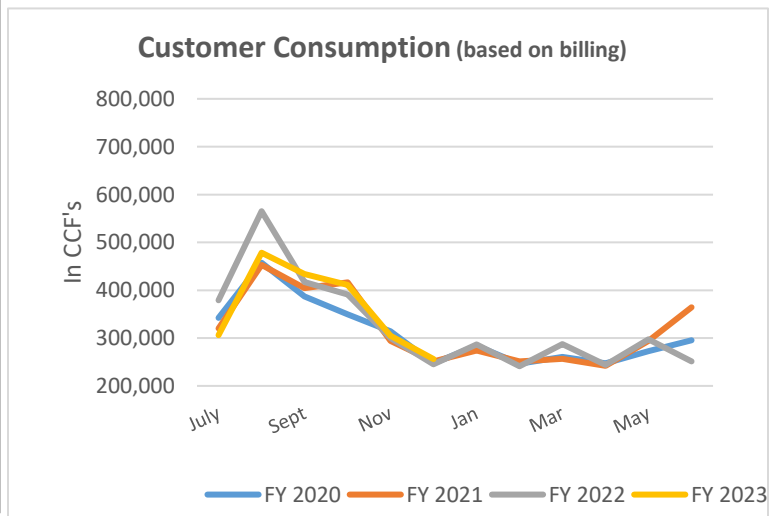
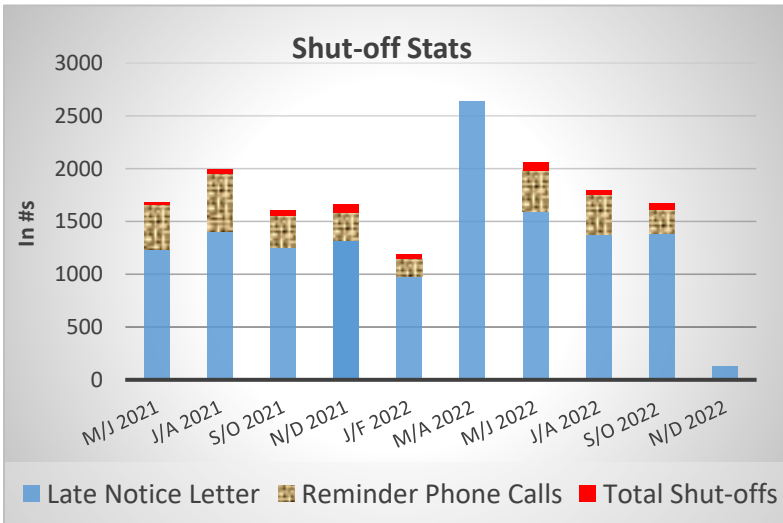
Residential Customers are billed on even months, Commercial Customers are billed on odd months.



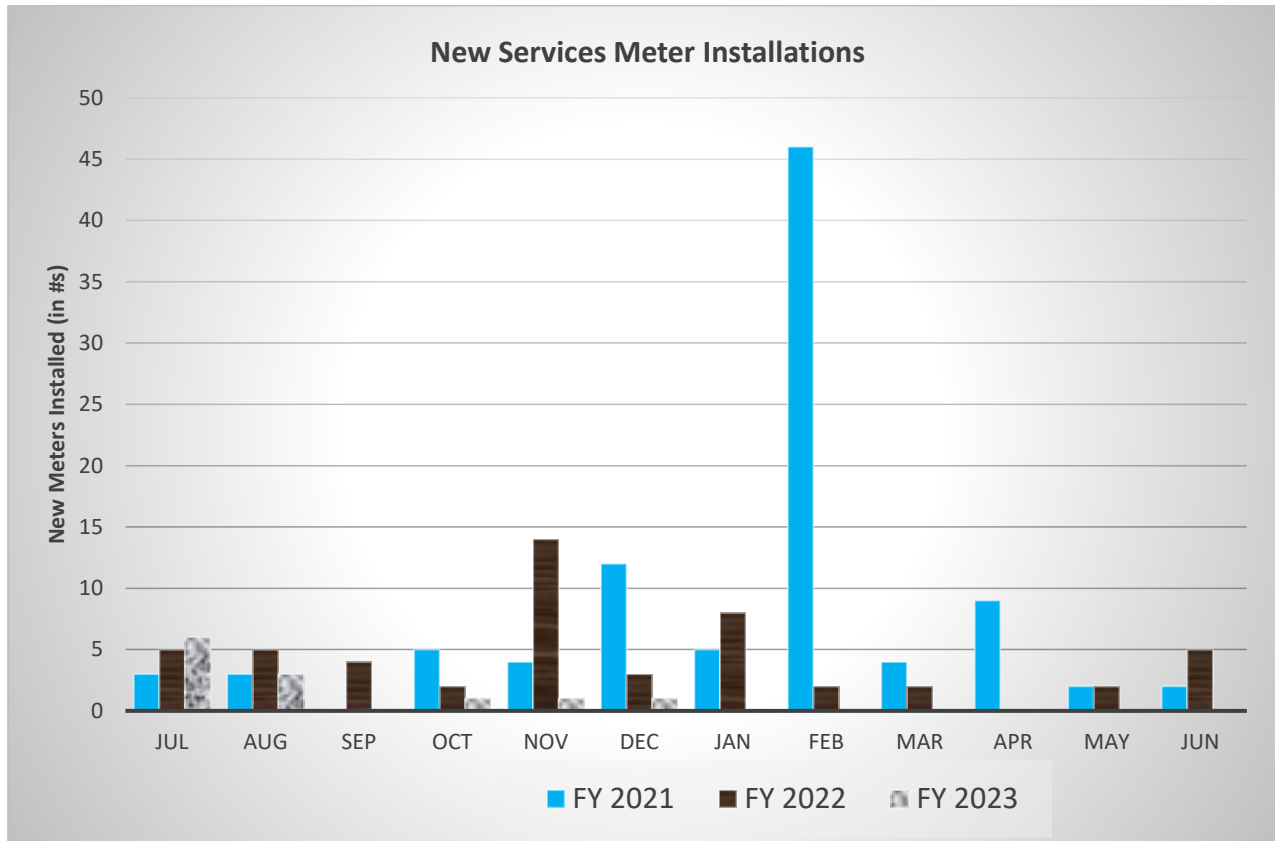
Cash/Check – Received via Lockbox, Counter

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

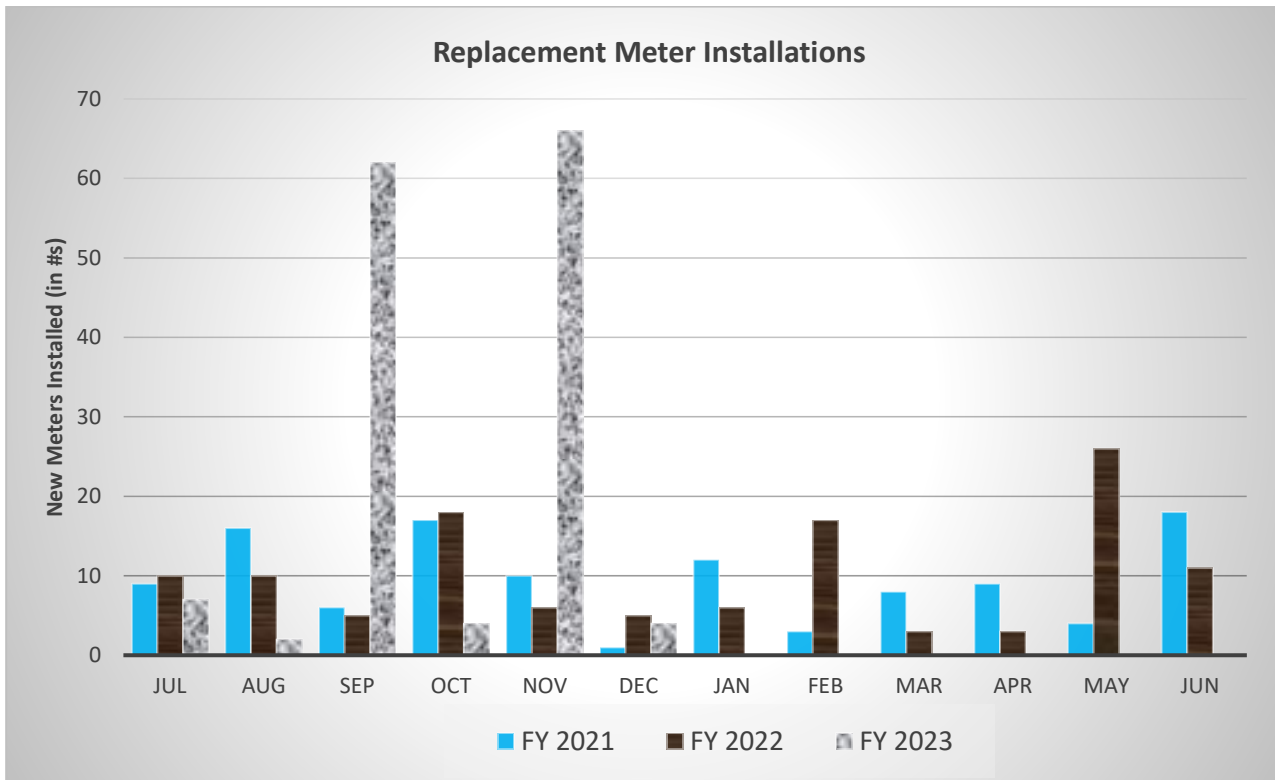
Electronic Funds Transfer – Received via Bank-to-Bank Transfer, Automatic Checking Withdrawal (RapidPay)



*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 Sept. FY21, April F22, Sept. FY 22, Sept. FY 23



Annual 2022 Goal for Meter Replacement is 350- Year to date is 207

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
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
Sep. 2022	1	11.2	85	359	67	4	112	4
Oct. 2022	1	10.4	149	330	86	5	15	3
Nov. 2022	4	0.0	19	385	16	8	53	3
December 2022	3	0.0	44	279	196	16	0	3
Total 2022 year to Date	25	40.7	698	4684	549	90	506	30
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.

Private Development Projects

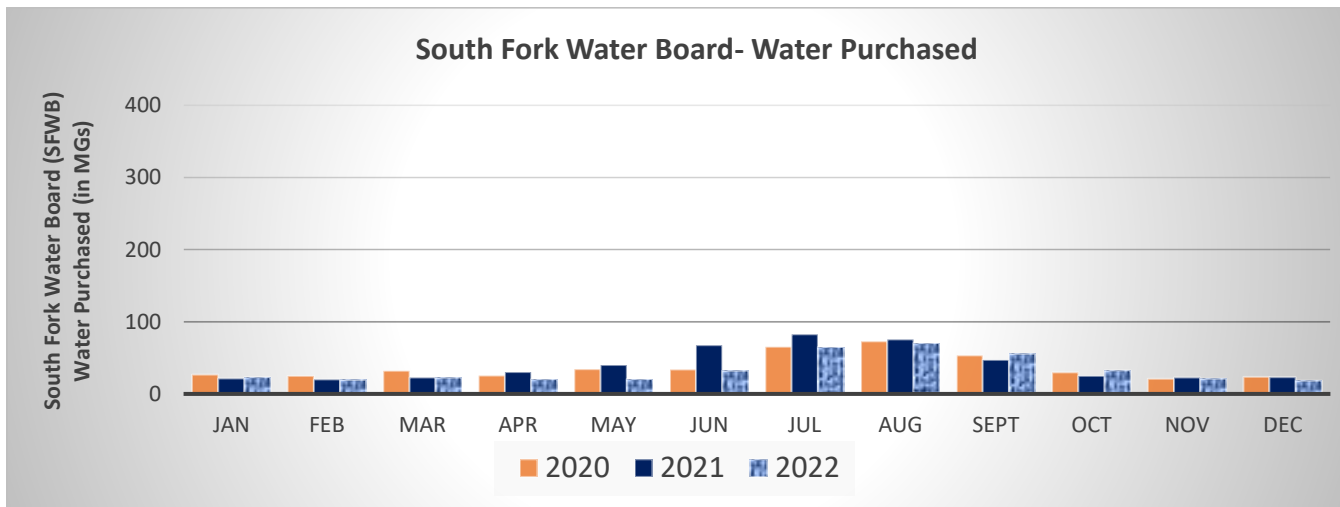
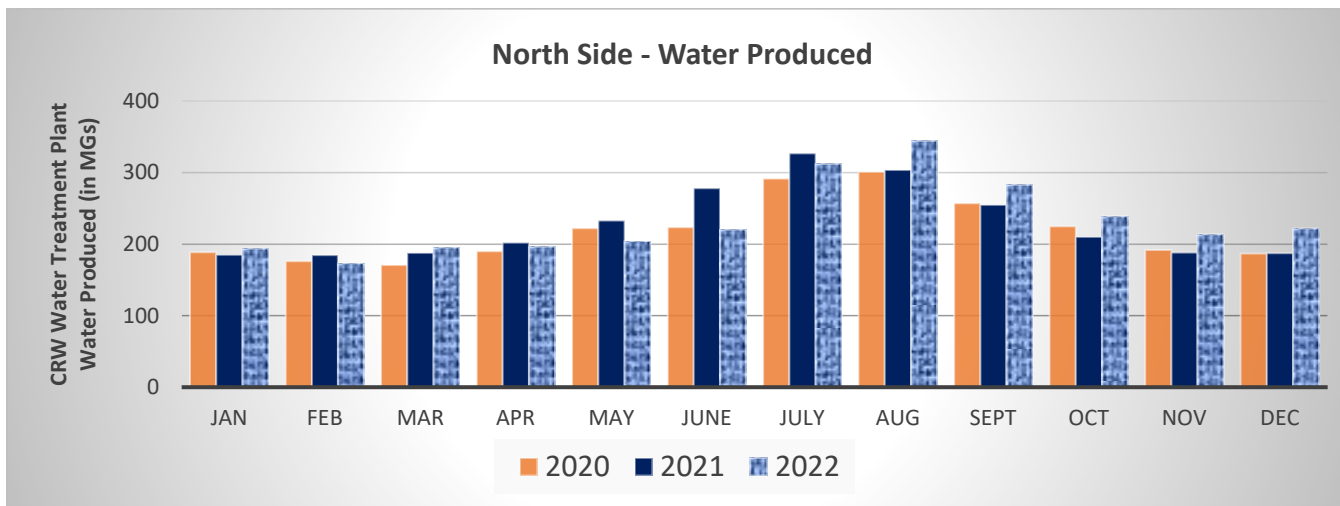
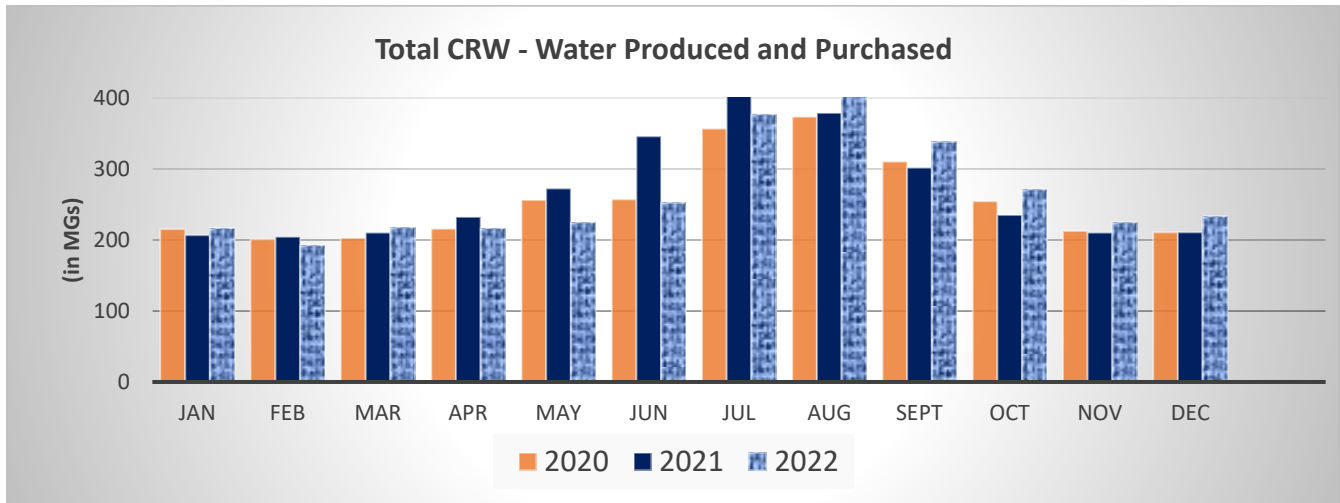
Private Project Tracking – December 2022

Project No.	Name	Description	Phase	Status
16-5205 Private	Glen Oak Master Meter	8" Master Meter to Oregon City	Const.	Punch list underway.
20-5262 Private	Bonaventure Senior Living	6" fire service and 3" meter	Const.	Pending Construction start.
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.	Punch list underway.
14-5169 Private	Church of Portland	6" Fire Service and 2" domestic meter	Const.	Complete.
21-5285 Private	130 th Industrial Park	3-fire services 3-commercial services	Const.	Construction underway.
18-5288 Private	Copper Heights	Residential 30 lot subdivision	Const.	Construction underway, no water work yet.
21-5289 Private	224 Logistics Center	Unified Grocer site; 4 fire & 4 Domestic Services	Design	Plan review in Progress.
22-5293 Private	Crosswhite Industrial	New 6" fire service	Const.	Pending Construction start.
22-5294 Private	Clackamas CLT	8" main extension for 10 lot subdivision	Design	Design Review in Progress
22-5295 Private	Jannsen Multi-Family	New fire and domestic service for 8-plex development.	Design	Design Review in Progress

Capital Project Tracking – December 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	\$9,910	\$240,090	
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	\$516,373	\$124,627	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	No Activity
Discussing with Oregon City logistics and impact of meter transfers.					
5273	Redland Rd. Waterline Phase 1	\$1,080,000	\$22,806	\$1,057,194	Design 90% complete
County is acquiring Right-of-Way. County has confirmed they are bidding the project in early 2023 with WL construction estimated to start in May/June 2023. CRW has pre-purchased pipe and valves to mitigate material lead time delays.					
5270	Linwood Road Improvements	\$328,000	\$199,481	\$128,519	Project Bidding
Construction IGA with County for service work performed by County Contractor to be prepared after Contractor selection.					
5278	Monroe Street Improvements	\$940,000	\$6,232	\$933,767	Design phase
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	\$61,772	\$784,228	Pending Construction Start
Project has been bid, a contractor selected, and contracts signed. Ductile iron pipe delivery is being determined.					
5280	Pump Station Chlorine	\$168,000	\$10,995	\$157,005	Design in progress
Continuing to research chlorine systems for current and future demand. Designing spaces to house the equipment.					
5281	WTP Polymer Feed System	\$476,000	\$2,538	\$473,462	Design phase
Researching feed systems and designing location on first floor within WTP.					
5282	WTP Filter Valve Replacement	\$692,000	\$15,770	\$676,230	Valve procurement
Valves and actuators have been ordered. Delivery is estimated in May 2023. An installation contract is being prepared and will be advertised for contractors nearer valve delivery date.					
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		\$752	(\$752)	
5292	Johnson Creek Blvd. Improv.		\$1,140	(\$1,140)	
5243	CRC Mobility Improvements		\$3,285	(\$3,285)	
Totals		\$6,288,000	\$955,704	\$5,332,296	

Notes: 1) Includes all costs through all project phases (planning, design, construction) spanning multiple fiscal periods as applicable. 2) Decemberr data does not include overhead



Regulatory

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

Non-Regulatory

General water quality parameters (pH, temperature, chlorine, TDS, hardness, alkalinity) were collected throughout the distribution system at 19 locations in the North and South systems.

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

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

Winter Conditions Reports

- As of January 3rd, the **Willamette basin snowpack was 110% of median**. Last year in January the snowpack was 148% of median.
- December **precipitation in the Willamette basin was 97% of median**. Precipitation since the beginning of the water year (October 1 - January 1) has been 88% of median.
- The April through September **streamflow forecasts in the Clackamas River at Estacada is 110% of median**.
- The three-month outlook from the NOAA Climate Prediction Center calls for elevated chances of below normal temperatures for Oregon, and only slightly elevated chances of above normal precipitation for northern Oregon.

