



Clackamas River Water

Monthly Update

December 2022



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Purchase Order Report- November 2022

Vendor: 00017 - CORE & MAIN LP			
PO #	Description	Date	Total Amount
23-0083	CORE AND MAIN BLANKET PO	11/23/2022	50,000.00
Vendor: 00165 - UNIVAR SOLUTIONS USA INC			
PO #	Description	Date	Total Amount
23-0084	CALCIUM HYPOCHLORITE_ 3 INCH TABLETS	11/23/2022	2,466.40
Vendor: 00237 - USA BLUE BOOK			
PO #	Description	Date	Total Amount
23-0077	RIVER INTAKE LEVEL SENSOR	11/08/2022	1,335.78
Vendor: 00262 - INNOVYZE, INC.			
PO #	Description	Date	Total Amount
23-0080	INNOVYZE INFOWATER PRO RENEWAL 2022-23	11/16/2022	4,435.00
Vendor: 00285 - ARAMARK UNIFORM SERVICES INC			
PO #	Description	Date	Total Amount
23-0075	ACC. #934649000 - BUILDING MAINT. SUPPLIES	11/07/2022	4,500.00
Vendor: 00290 - UNITED RENTALS NORTHWEST INC			
PO #	Description	Date	Total Amount
23-0011	EQUIPMENT RENTAL	11/08/2022	10,000.00
Vendor: 00555 - TYLER TECHNOLOGIES INC			
PO #	Description	Date	Total Amount
23-0085	EDEN MAINTENANCE SUPPORT JAN-DEC 2023	11/28/2022	39,098.68
Vendor: 00555 - TYLER TECHNOLOGIES INC			
Vendor: 00600 - INDUSTRIAL SOFTWARE SOLUTIONS			
PO #	Description	Date	Total Amount
23-0071	SCADA SOFTWARE TECHNICAL SUPPORT	11/01/2022	9,255.00
Vendor: 01541 - HARRIS WORKSYSTEMS			
PO #	Description	Date	Total Amount
23-0086	ERGONOMIC FURNITURE	11/28/2022	6,557.42
Vendor: 01653 - NORTHSIDE FORD TRUCK SALES INC			
PO #	Description	Date	Total Amount
23-0082	2023 F-550 SERVICE TRUCK W/ CRANE BODY AND SERVICE CRANE	11/17/2022	181,914.11
Vendor: 03329 - PACIFIC MARKETING AND PROMOTIO			
PO #	Description	Date	Total Amount
23-0076	HEAVYWEIGHT ORANGE HOODED PULLOVER SWEATSHIRTS	11/08/2022	2,694.86
Vendor: 03953 - TRI MOTOR & MACHINERY CO. INC			
PO #	Description	Date	Total Amount
23-0072	20 HP electric Motor	11/01/2022	1,388.00
Vendor: 04207 - PACIFIC NW FLAGGING LLC			
PO #	Description	Date	Total Amount
23-0073	TRAFFIC CONTROLL	11/02/2022	10,000.00
Vendor: 04321 - KEITH MORRIS CONSTRUCTION INC			
PO #	Description	Date	Total Amount
23-0021	CONCRETE WORK	11/10/2022	10,000.00
Vendor: 04423 - L&C TRUCKS			
PO #	Description	Date	Total Amount
23-0081	TACOMA HEADACHE RACK	11/16/2022	1,215.00
Vendor: 04426 - R&J BERRY ENTERPRISE INC, BEGAN TANK TRUCK			
PO #	Description	Date	Total Amount
23-0074	FUEL TANK CLEANING	11/04/2022	10,000.00
Vendor: 04427 - VAG USA LLC			
PO #	Description	Date	Total Amount
23-0079	R12 - PISTON VALVE REPAIR KIT	11/15/2022	2,114.00
Vendor: 04430 - ALL ABOUT FLAGGING LLC			
PO #	Description	Date	Total Amount
23-0078	FLAGGING VENDOR	11/14/2022	10,000.00

Contract Log

(Executed since last board meeting November 10, 2022)

Company	Product / Service	Rates	Eff. Date	Exp. Date	New/Amended/ Extended
Ecamssecure	Security camera/install	NTE \$34,948.03	9/21/22		New
Moss Adams	Auditing Services	NTE \$44,000	4/8/21	12/31/23	Extended
Peterson CAT	Generator switchgear modernization	NTE \$202,348.50	11/14/22		New. Approved by the Board 11/10/22
S2 Contractors	Paving Services	NTE \$84,740	6/14/22	6/14/23	Increased the NTE amount

Summary of Legal

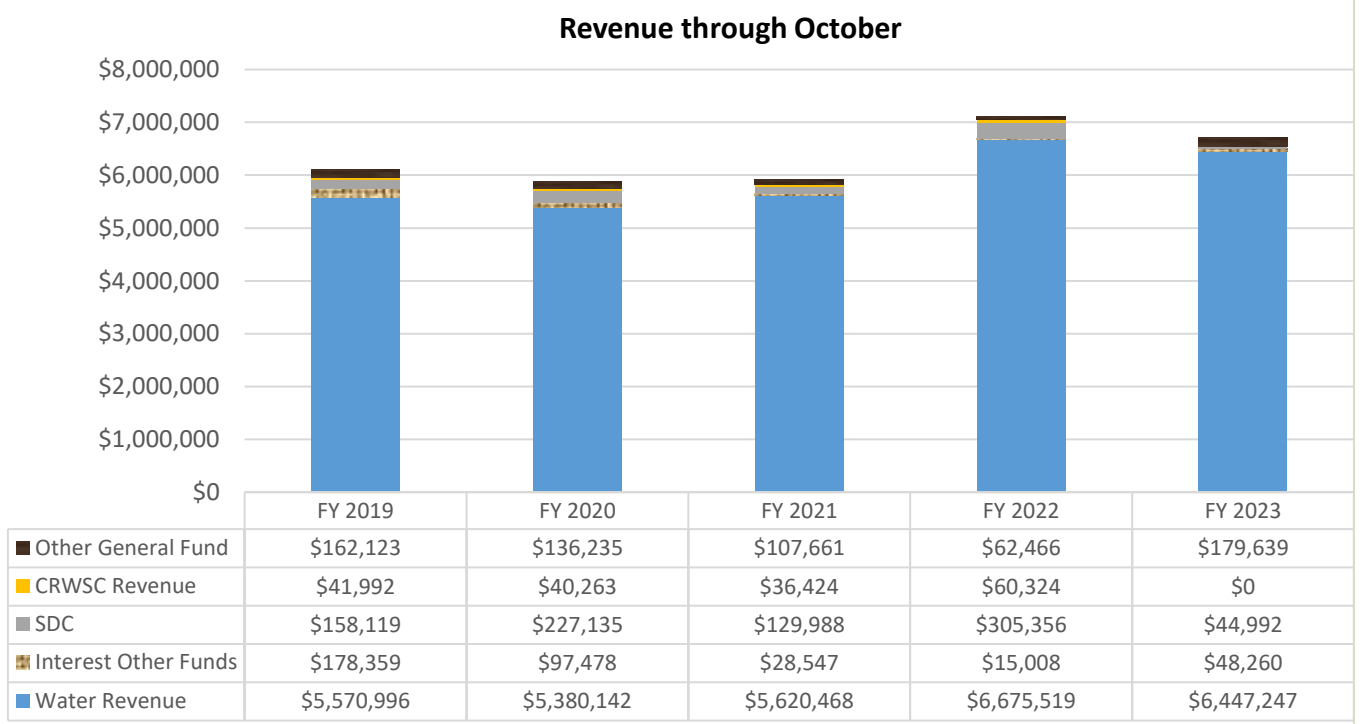
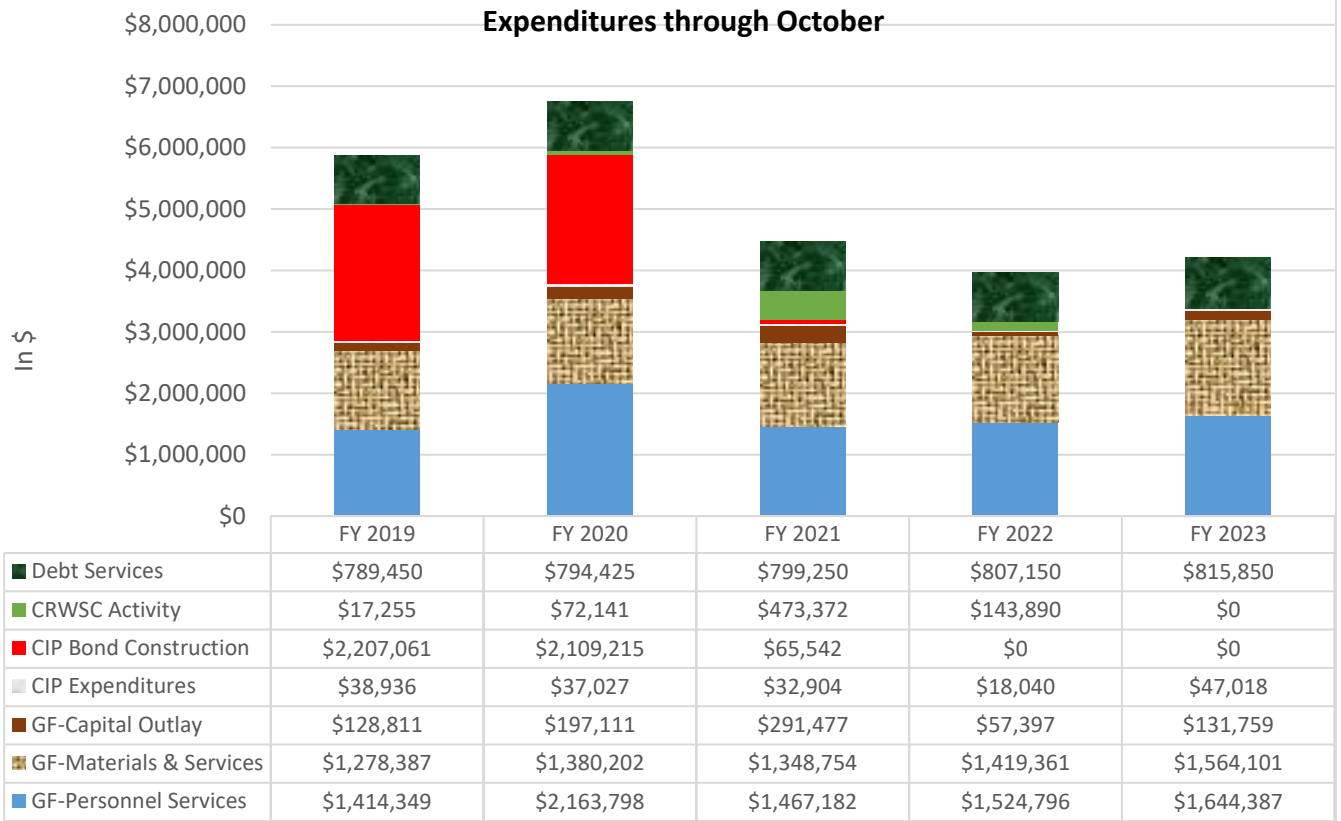
November 2022

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 November 2022

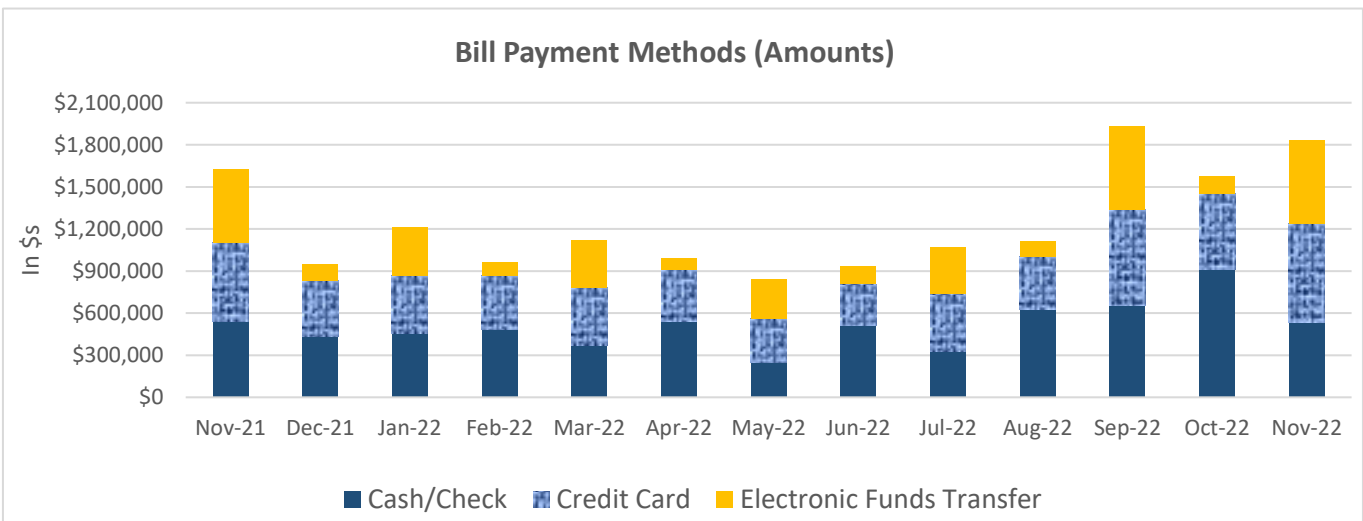
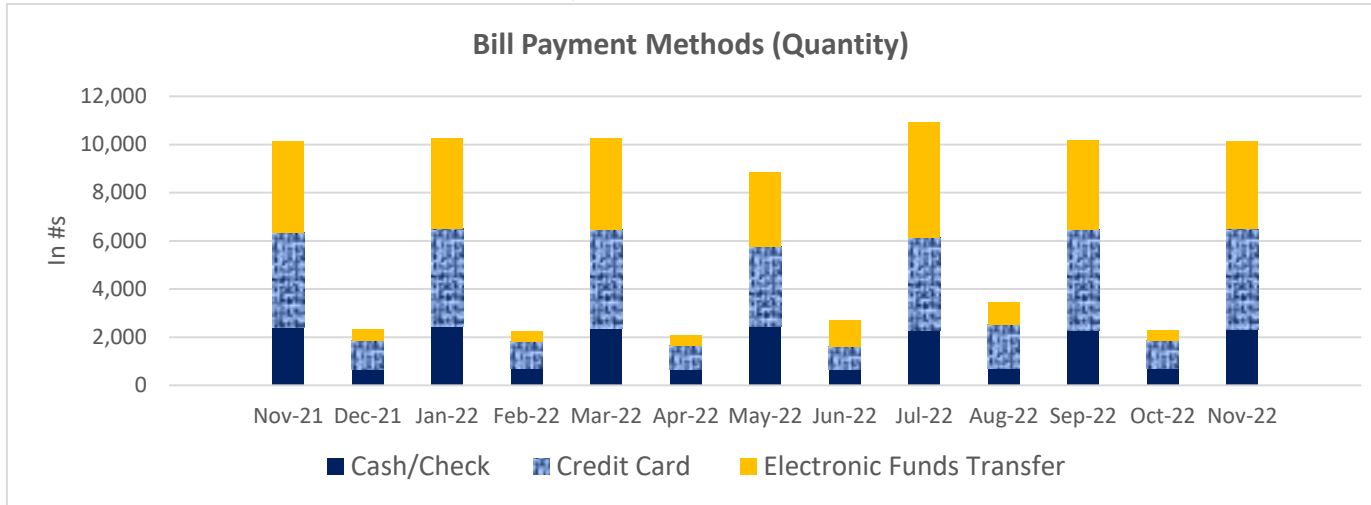
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1) Water revenue is lower than the prior year due to a reduction in water use during the early summer months. 2) Other General Fund revenue is higher primarily due to increasing interest rates. 3) There are no costs for CIP Bond or CRWSC as those funds 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 in line with budget.

(as of the end of November 2022)

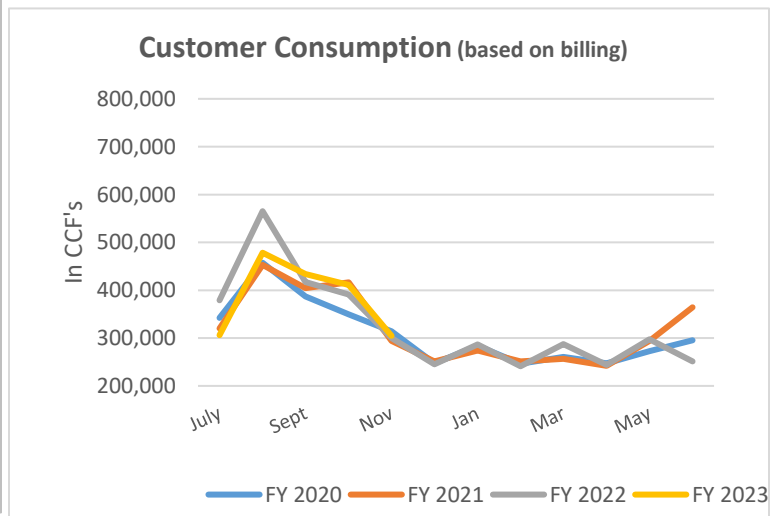
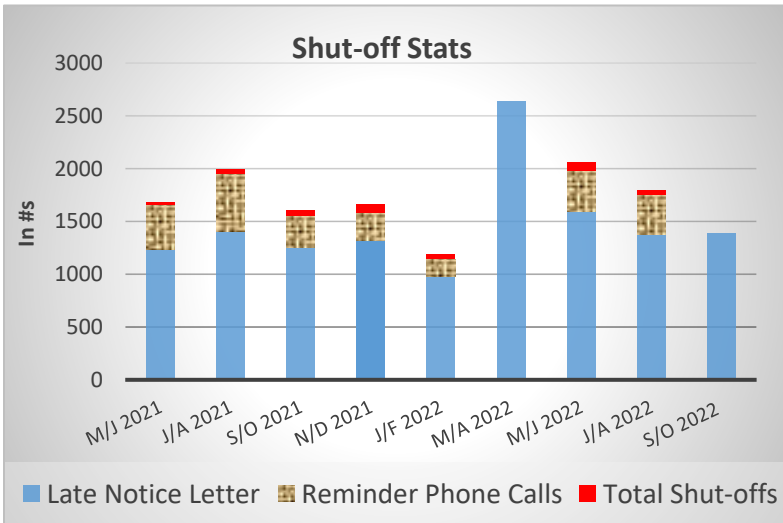
Residential Customers are billed on even months, Commercial Customers are billed on odd months.



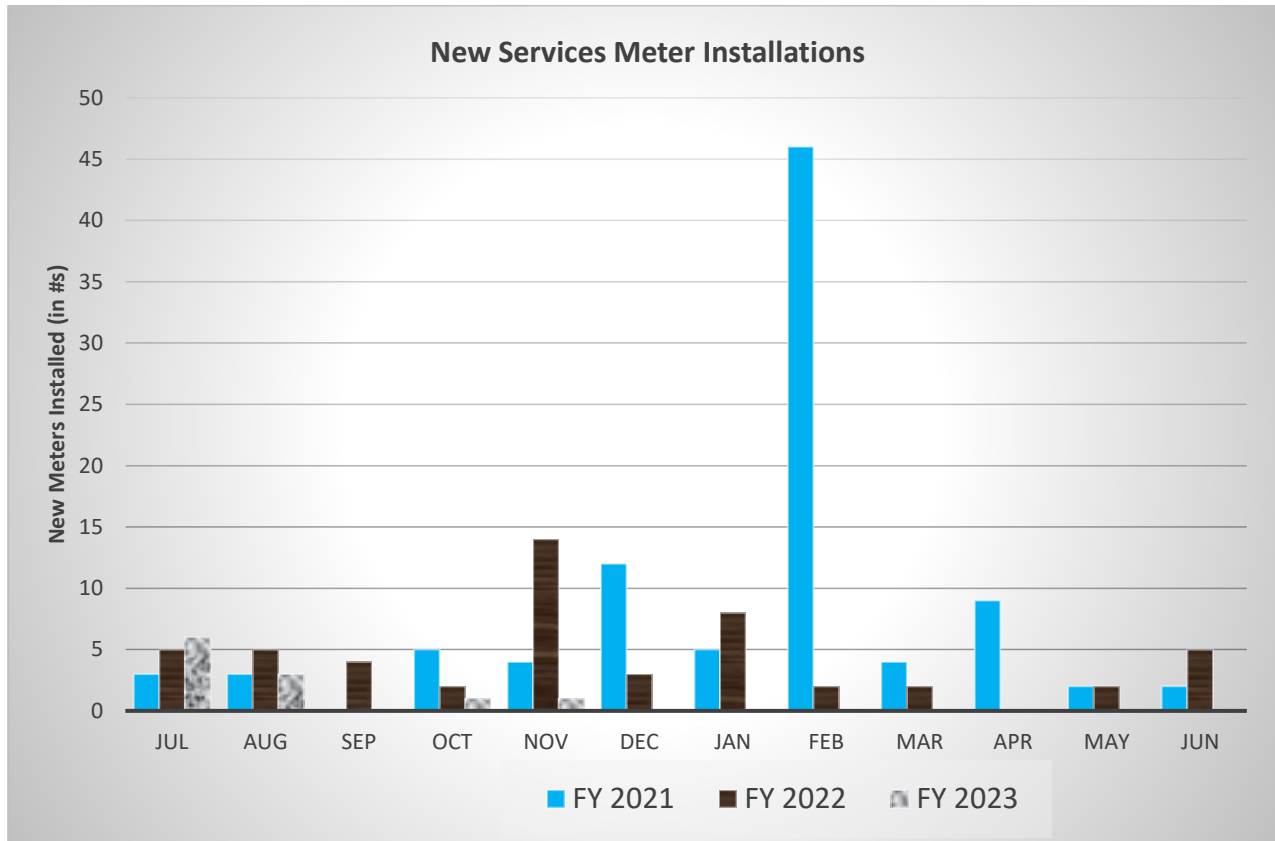
Cash/Check – Received via Lockbox, Counter

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

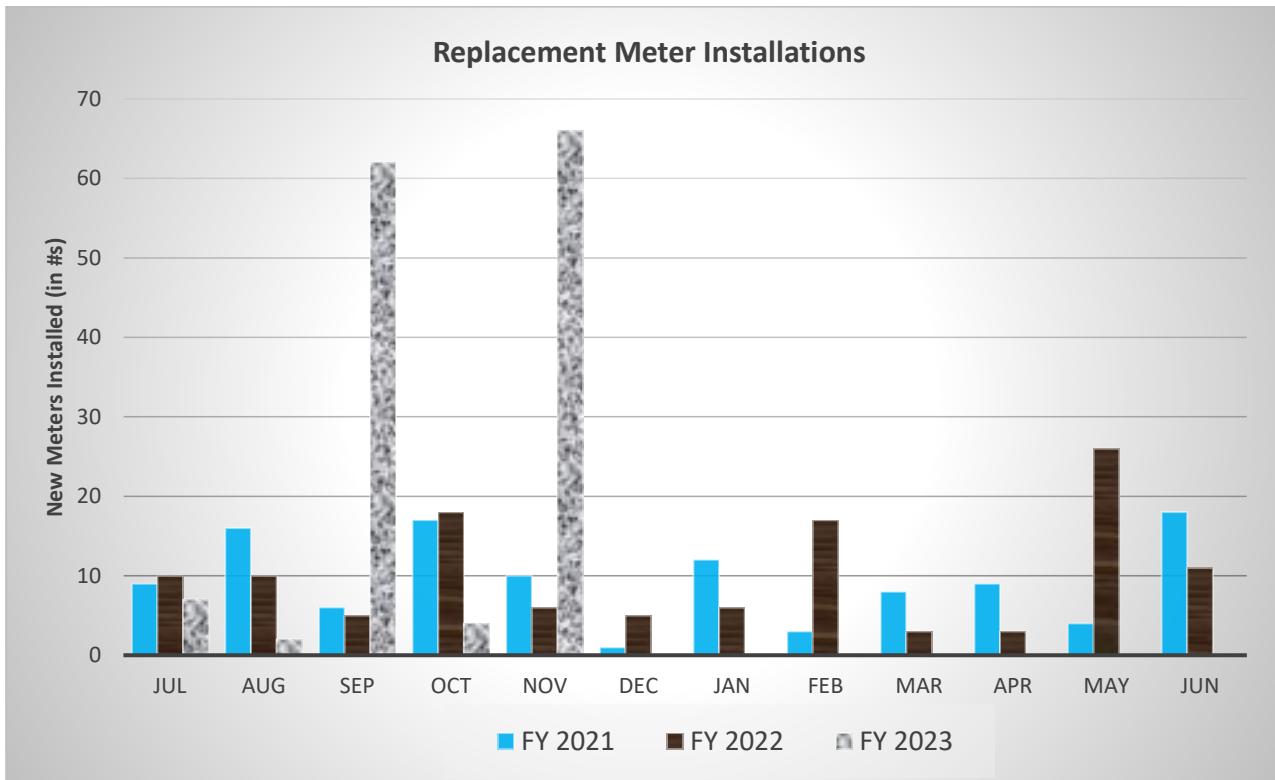
Electronic Funds Transfer – Received via Bank-to-Bank Transfer, Automatic Checking Withdrawal (RapidPay)



*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								
Total 2022 year to Date	22	40.7	654	4405	353	74	506	27
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 – November 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.	Punch list underway.
21-5285 Private	130 th Industrial Park	3-fire services 3-commercial services	Const.	Construction underway, no water work yet.
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	Preparing plan review comments.
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

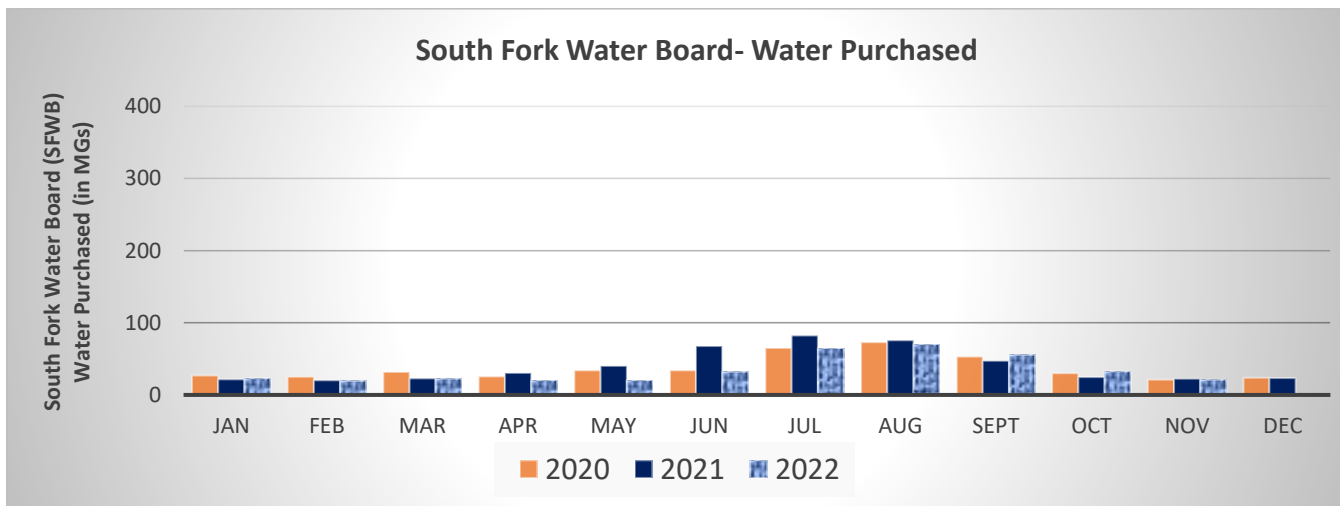
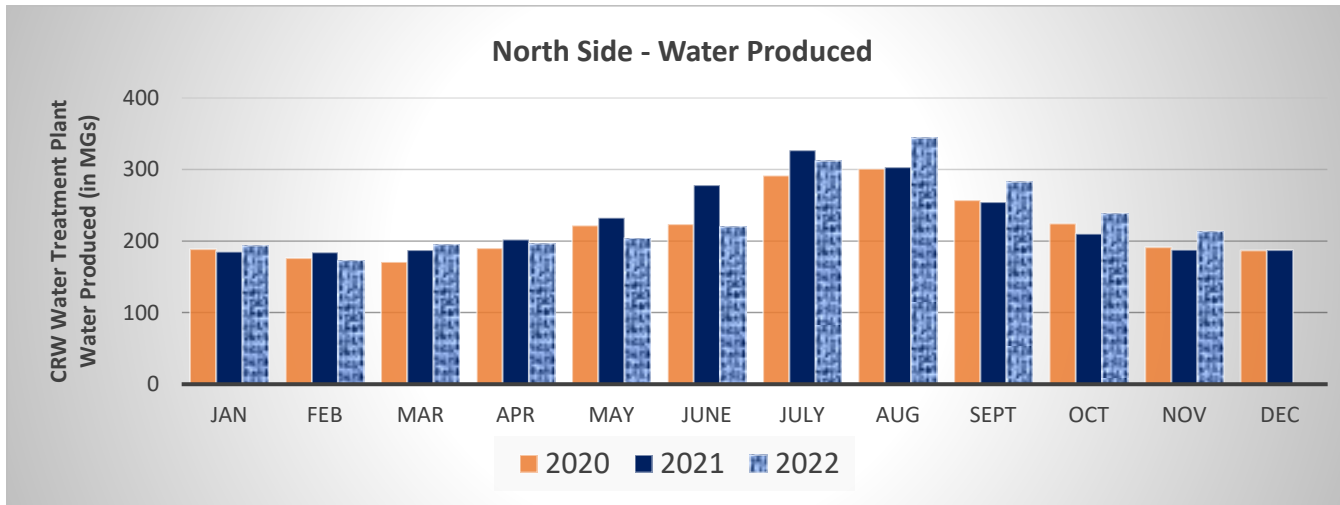
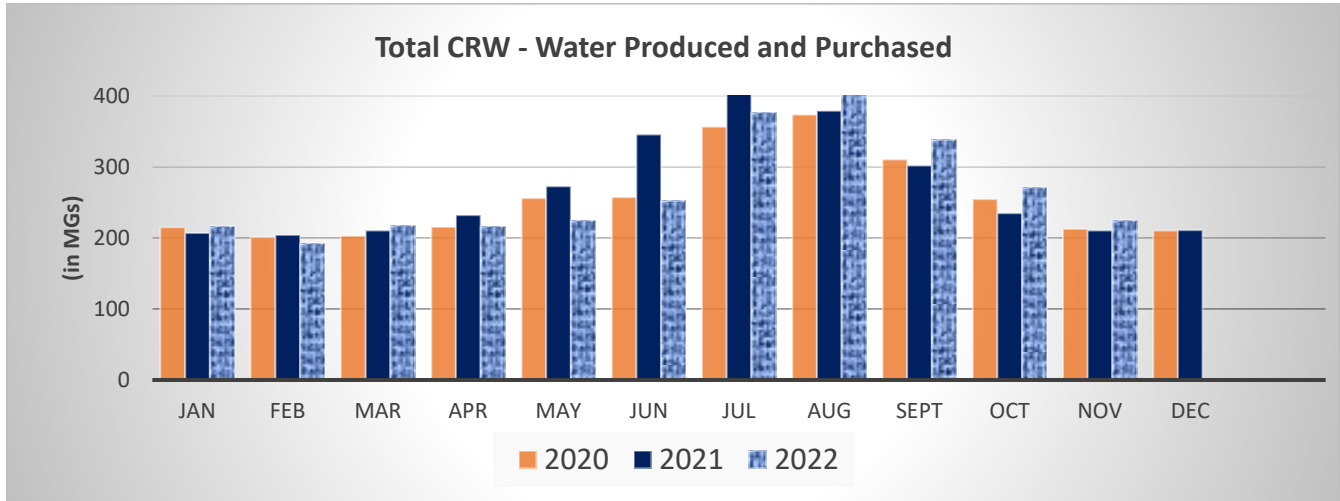
Project Updates

Capital Project Tracking

Capital Project Tracking – November 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	\$11,570	\$1,068,430	Design 60% 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 is preparing to preorder pipe and valves to mitigate material lead time delays and build the WL within the County Contract.					
5270	Linwood Road Improvements	\$328,000	\$199,481	\$128,519	Design 90% complete
County is acquiring Right-of-Way. Coordinating with PGE for relocation of poles. Scheduled for bid opening in January 2023. Construction IGA with County for service work performed by County Contractor will be needed.					
5278	Monroe Street Improvements	\$940,000	\$6,232	\$933,767	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	\$61,772	\$784,228	Pending Construction Start
Project has been bid, a contractor selected, and contracts signed. Ductile iron pipe delivery is estimated in early December. Easement is in hand					
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 approximately 30 weeks. 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	\$944,468	\$5,343,532	

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



Regulatory

All 73 samples collected and analyzed for the November 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 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.

Raw water at our intakes was tested for giardia and cryptosporidium

- As of December 6th, the **7-day average discharge** of the Clackamas River near Oregon City is around **100% of the median**.
- **Snow water equivalent (SWE)** at NRCS SNOTEL sites is measuring **123% of median** (1991-2020) as of November 27, 2022.
- **Overall precipitation** at NRCS SNOTEL sites in the Willamette basin is measuring **83% of the long-term median** since the start of the new water year on October 1.
- The **three-month climate outlook** (Dec. – Feb.) indicates probabilities favoring **above average precipitation** and **below-average temperatures** in NW Oregon.
- The **8-14-day outlook** favors **below-normal temperature** and **near-normal precipitation**.

