



Clackamas River Water

Monthly Update

October 2020



- Monthly Update 3
 - Contracts Log..... 3
 - Summary of Legal 3
 - Public Records Request Received 3
 - Financial Reports 3
 - Statistics 4
 - Activity Reports 6
- System Operations & Engineering 7
 - Operation Statistics 7
 - Project Updates..... 8-9
- Water Resources & Water Quality 10
 - Water Distribution Charts 10
 - Sampling Reports 11
 - Regulatory 11
 - Non-Regulatory 11
 - Sampling for Other Agencies..... 11
 - River Conditions Report 12

Contracts Log

(Executed since last board meeting September 24, 2020)

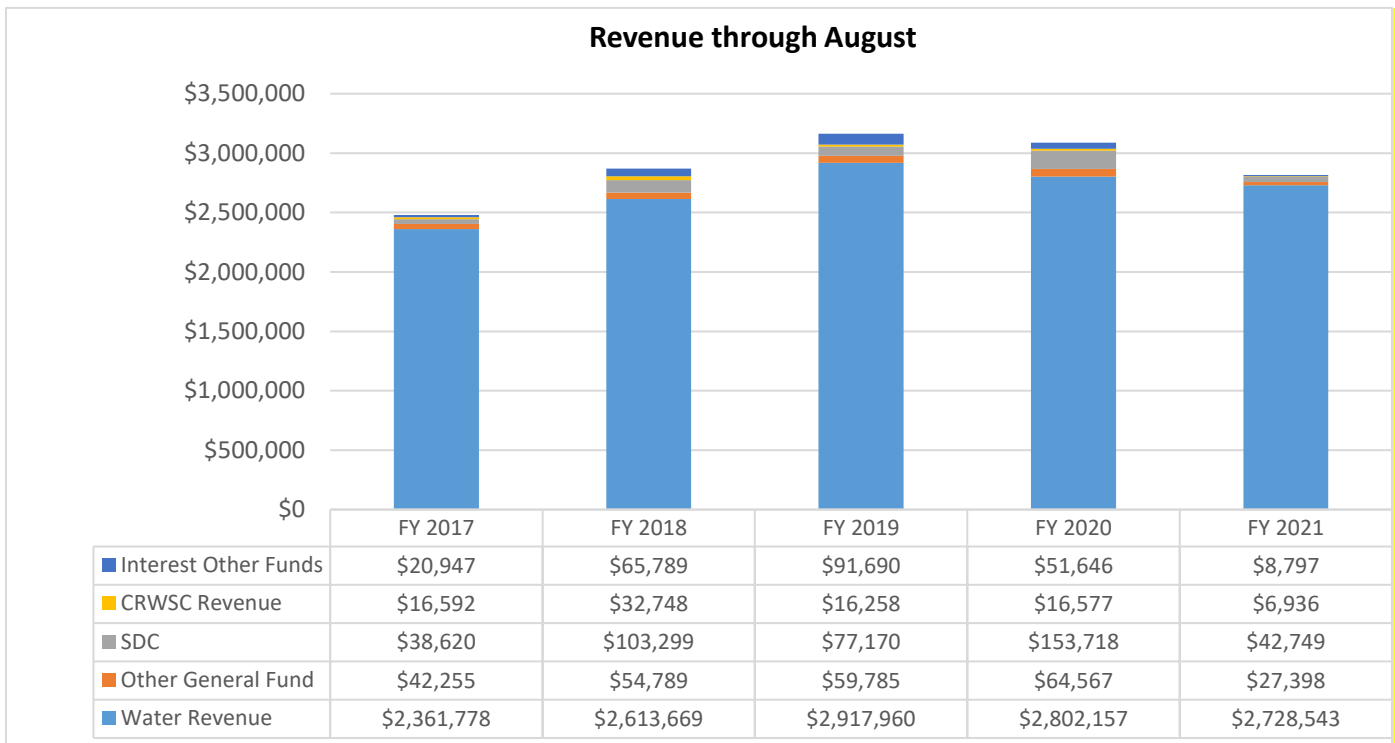
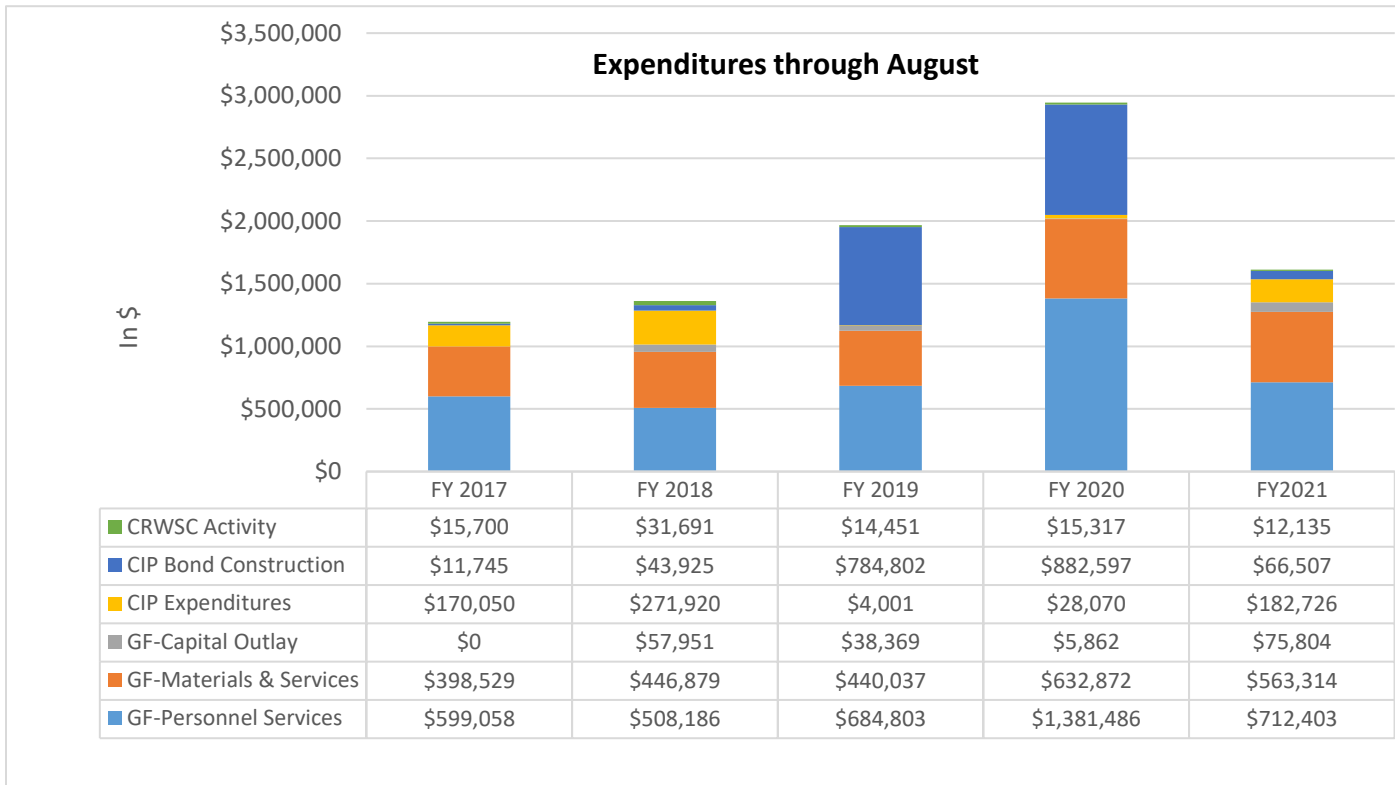
Company	Product / Service	Rates	Eff. Date	Exp. Date	New/Amended/ Extended
CG Contractors, LLC	Construction on Forsythe Rd. WL	NTE \$418,250	9/28/20	11/30/20	Awarded by the Board at the August regular Board meeting
Core & Main	Waterworks Supplies	NTE \$65,000	10/1/20	9/30/21	Approved by the Board at the July Board meeting
GT Excavating	On-call Construction	NTE \$75,000	5/1/2018	4/30/22	NTE increased within GM signature authority for Public Works Contracts
Murraysmith	On-call Engineering Services	NTE \$100,000	10/1/20	9/30/22	Approved by the Board at the July Board meeting
RH2	On-call Engineering Services	NTE \$100,000	10/1/20	9/30/22	Approved by the Board at the July Board meeting
West Yost	On-call Engineering Services	NTE \$100,000	10/1/20	9/30/22	Approved by the Board at the July Board meeting

Summary of Legal

	<i>September 2020</i>
Harrang Long Gary Rudnick monthly retainer	\$ 4,240.00
Harrang Long Gary Rudnick work outside of retainer	\$
Sub-contracted legal services	\$ _____
Total Legal	\$ 4,240.00

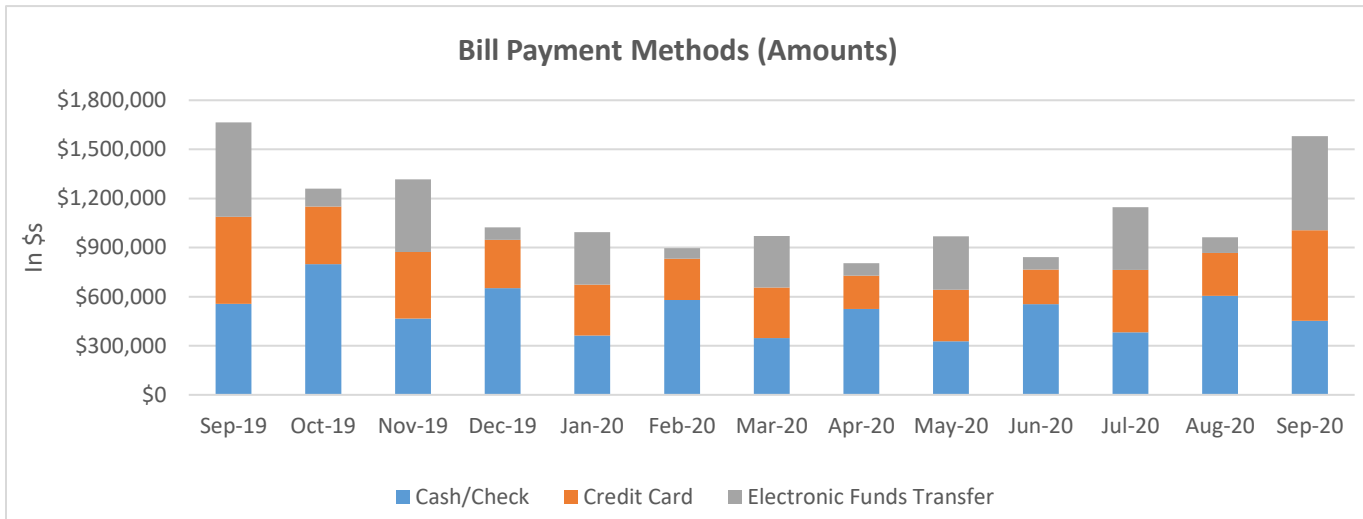
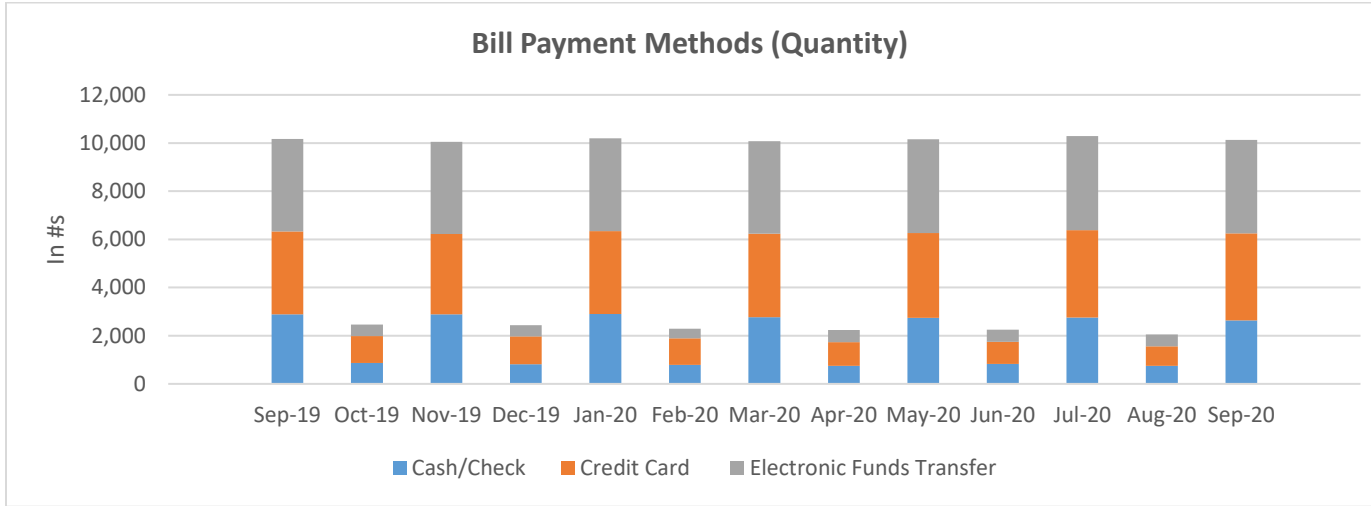
Public Records Request Received

Number of Records Requests Received in September 2020 0



(as of September 2020)

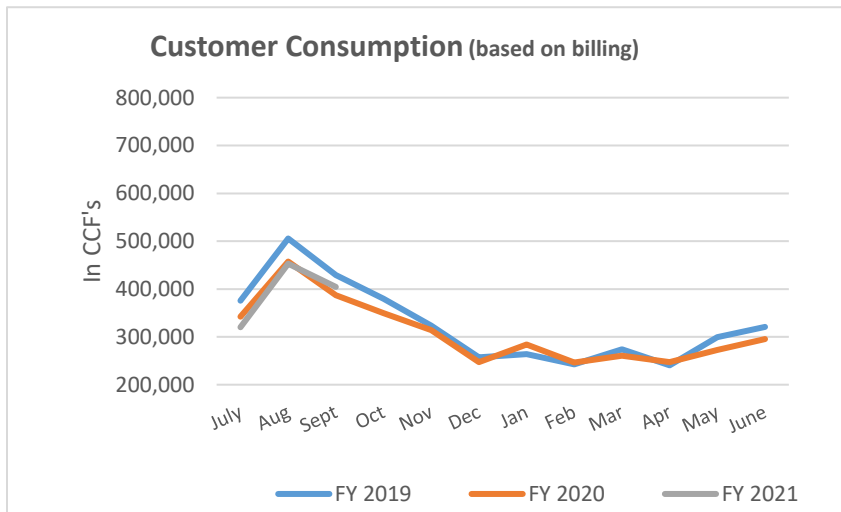
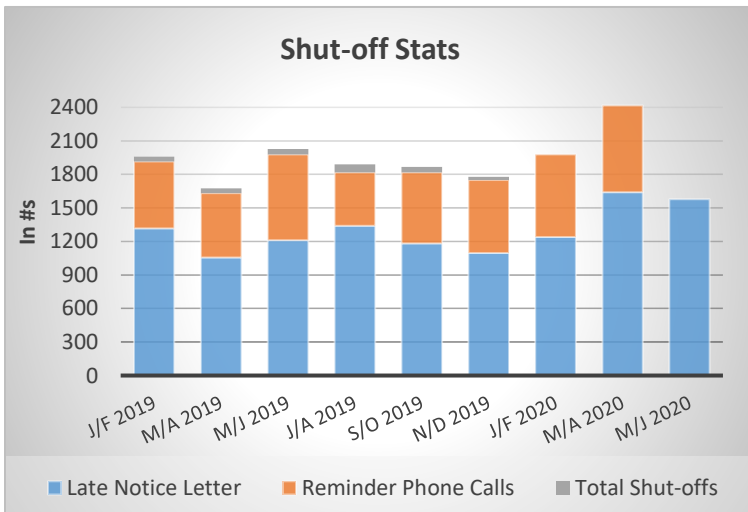
Residential Customers are billed on the even months, Commercial Customers are billed on the odd months.



Cash/Check – Received via Lockbox, Counter

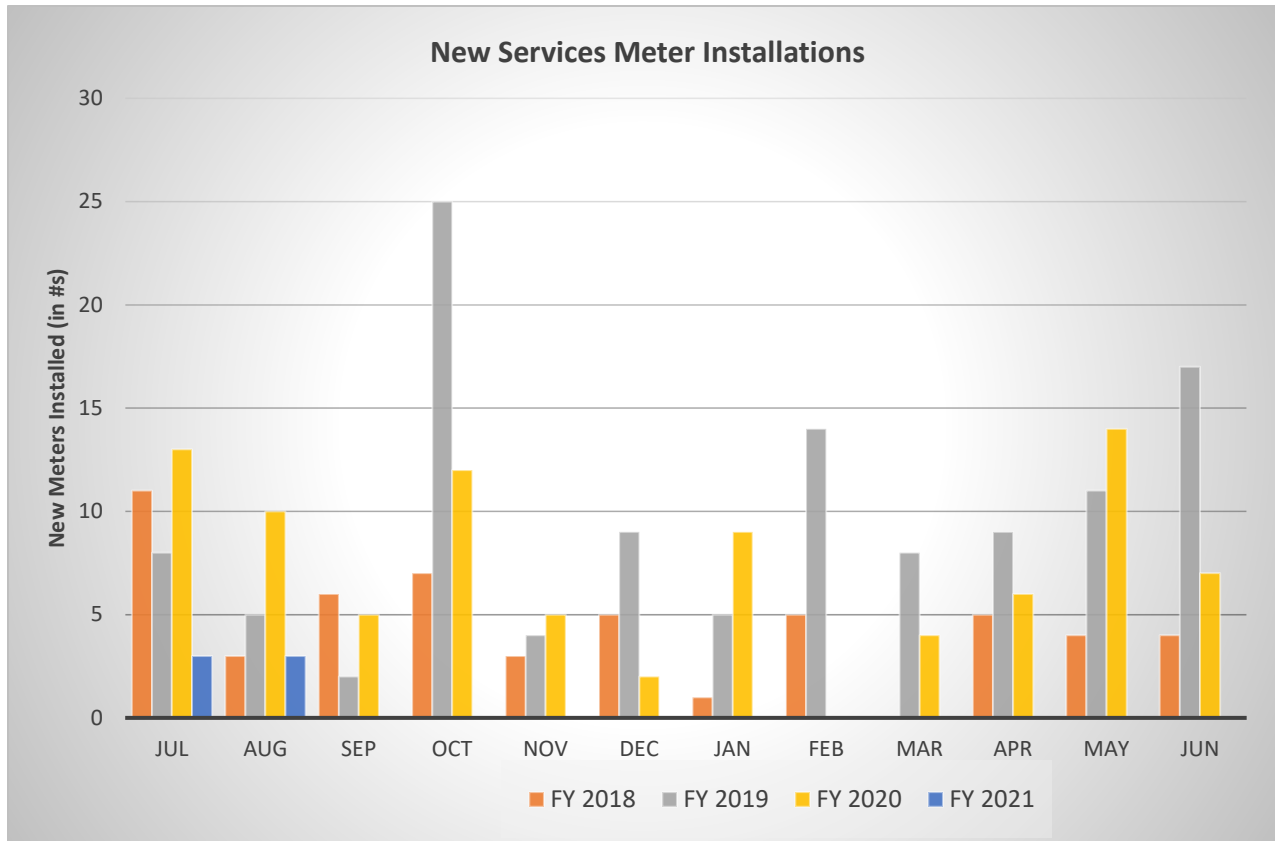
Credit Card – Received via CRW Initiated Automatic Payment, Walk-ins/Phone Calls, and Website

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

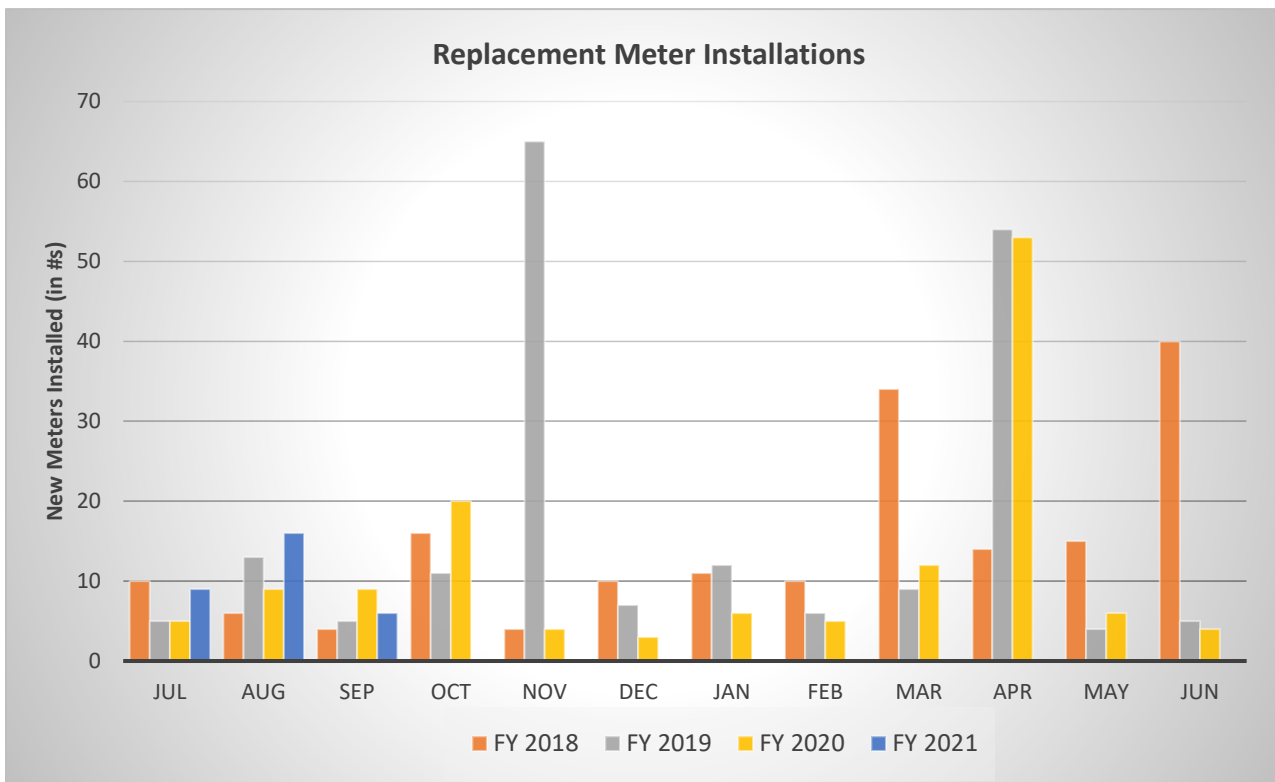


*Reminder Phone Calls are made during the even months.

Shut-offs occur the following month. **Jan/Feb late notice number is an estimate



No New Services for Mar. FY17 & FY18 & Feb. FY20 & Sept. FY21



No Replacements for Jul., Mar. FY17

System Operations & Engineering

Operation Statistics

	Leak Repairs Made (all pipe sizes)	Leak Detection Completed (miles)	Hydrant Maintenance	Locate Requests	Valve Maintenance & Mapping	After-hours Call-outs	Meter Maintenance Tasks	Cross Connection Inspections
Sep. 2019	1	0	205	493	1	15	68	0
Oct. 2019	4	.2	226	501	8	5	71	0
Nov. 2019	1	.2	65	352	0	4	27	0
Dec. 2019	1	.1	78	337	19	8	50	0
Jan. 2020	0	.1	153	344	32	7	39	1
Feb. 2020	0	8.7	23	370	5	3	33	5
Mar. 2020	2	.3	139	438	147	7	31	3
April 2020	0	1.7	253	567	591	6	9	0
May 2020	2	.2	128	473	83	8	9	0
June 2020	1	0.2	327	571	171	3	41	4
July 2020	1	0.1	104	474	15	5	43	1
July 2020	3	0.3	228	418	14	5	37	1
Sep. 2020	5	14.9	136	494	4	10	35	0

Private Project Tracking – September 2020

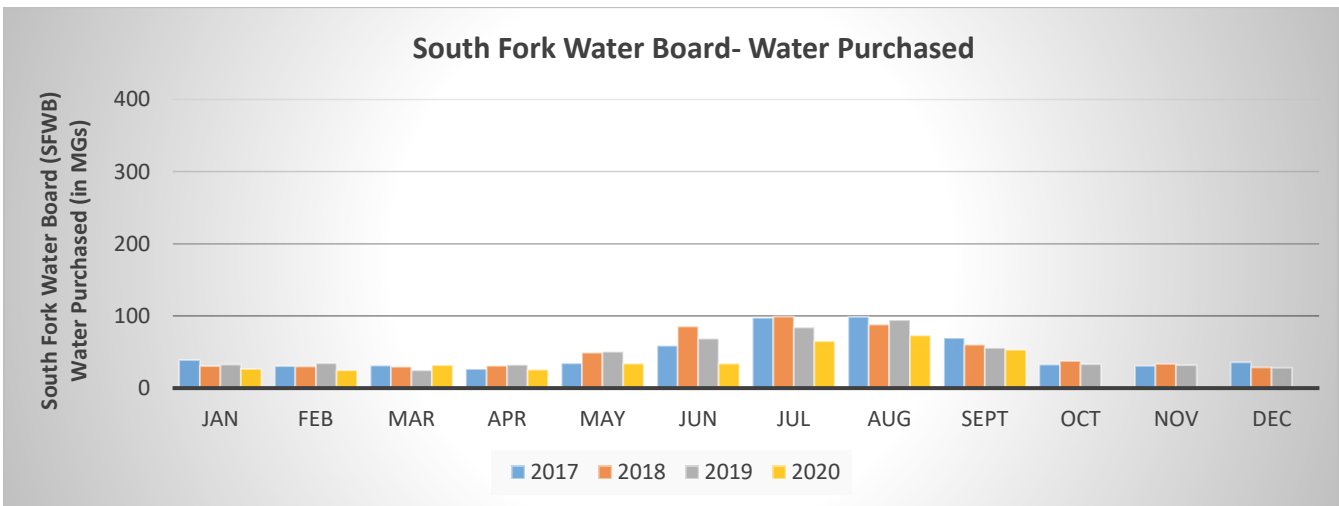
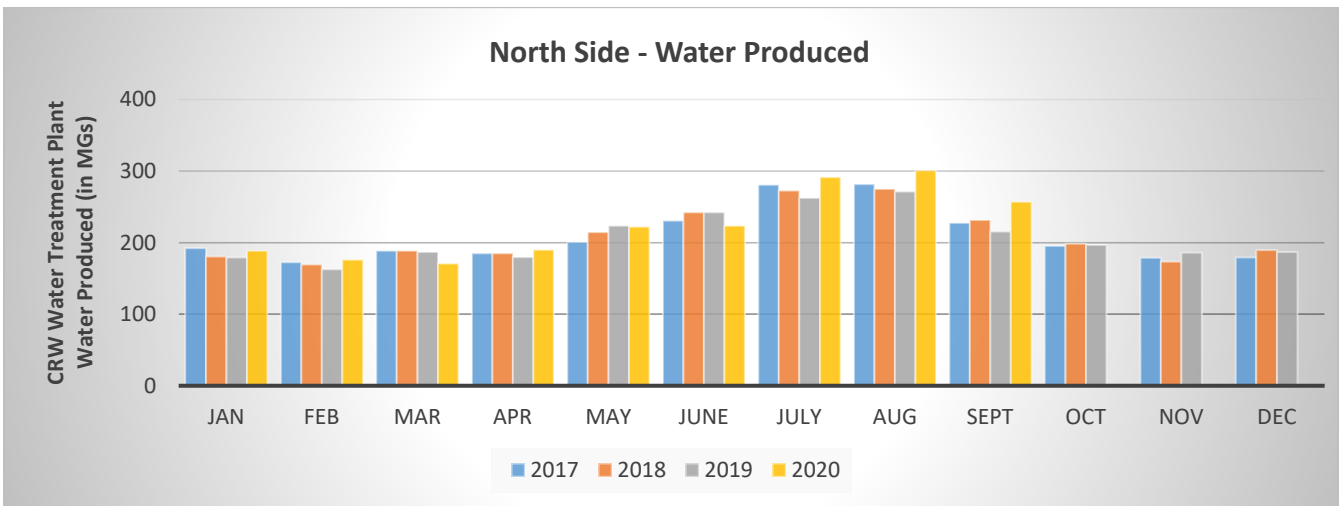
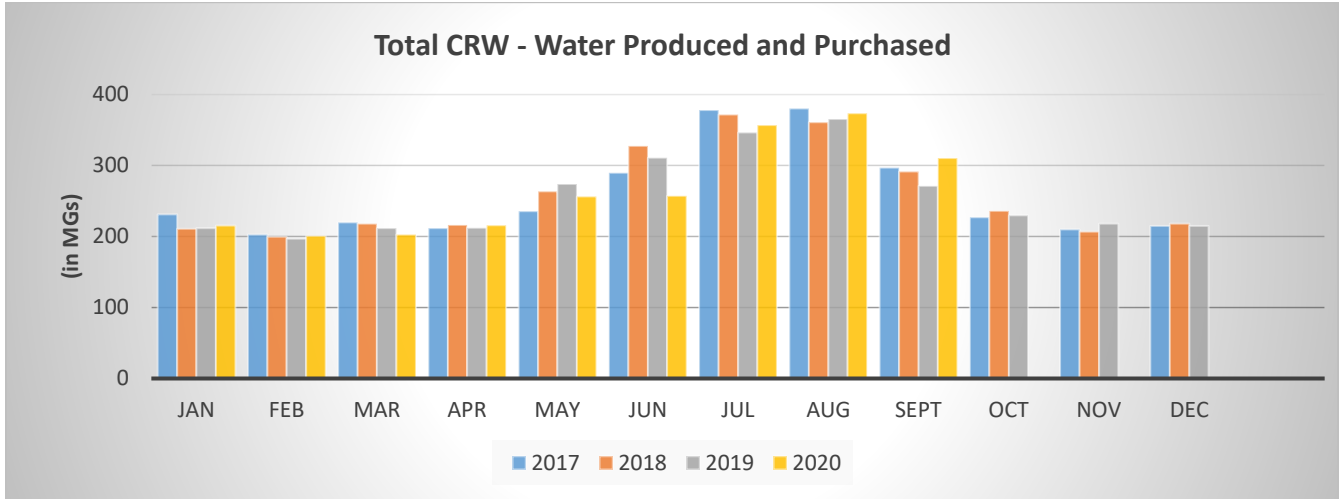
Project No.	Name	Description	Phase	Status
16-5205 Private	Glen Oak Master Meter	8" Master Meter to Oregon City	Const.	No activity.
16-5206 Private	Rosewood Terrace	200+ Multi-family, 6" meter	Const.	Complete
18-5232 Private	Copper Heights	Residential 30 lot subdivision on difficult site	Design	No activity.
19-5252 Private	Heirloom Apartments	8" & 12" mains for 286-unit apartments, (4) 3" meters, (7) 2" meters	Const.	Water mains complete. Site work continues.
19-5240 Private	Home2 Suites	12" main for 101-unit hotel, 4" meter	Const.	Punch list underway.
19-5254 Private	D St. Improvements	Road Extension with utilities (at Fuller P&R)	Design	Plans approved. No start date scheduled.
19-5255 Private	Fuller Station Affordable Housing	100-unit Multi-family housing, 4" meter	Design	Plan review.
19-5256 Private	Residence Inn by Marriot	117-unit Hotel at Clackamas Town Center, 4" meter	Const.	Punch list underway.
19-5258 Private	Shellenberg School	8" main extension for fire service plus 3" meter	Const.	Closing out, pending asset donation.
19-5259 Private	Washman	8" main and 2" meter	Design	No activity.
20-5261 Private	Glencoe Townhomes	8" main and 2" meter	Const.	Water main installed.
20-5262 Private	Bonaventure Senior Living	6" fire service and 3" meter	Design	Plan approved. No start date scheduled.
20-5263 Private	Fora Townhomes	7 domestic services on Lamphier St.	Const.	Construction underway.
20-5264 Private	West Coast Storage	6" Fire Service and Domestic meter	Design	Plan review.

Project Management Report									
Project Description	Project #	BN 2019-2021					Projected Total Expenditures (Life of Project)	Expenditures to Date (a)	Current Phase/Status
		FY 2020	FY 2021	Total BN Budget	Through August 2020	Remaining Budget			
Capital Improvement Projects Fund								(Backbone only)	
ODOT/City/County DTD Adjustments	5249	169,000	117,000	286,000	5,136	176,669		128,334	Tracking and coordinating; ODOT 82nd Ave Overlay-2021
CRC Mobility Improvements (b)	5243				26,476			83,557	Coordinating irrigation connections with County.
Sunnybrook & 93rd Loop Waterline (b)	5241	-	-	-				20,014	Complete
Edgewood Neighborhood Waterline	5239	1,045,000	-	1,045,000	9,655	127,568		1,008,898	Complete
Forsythe Road Waterline - Phase 1	5251	572,000		572,000	7,110	524,666		47,334	Construction underway
Leland Road Master Meter & Waterline	TBD	-	480,000	480,000	-	480,000		-	No Activity
82nd Drive Waterline - Phase 1	5253	-	814,000	814,000	48,927	764,233		49,767	In design
Orchid Waterline & Meter	5260	74,000	-	74,000	317	38,386		35,614	Complete
Mather Reservoir Control Valve	5250	210,000	-	210,000	3,000	156,103		53,894	Complete
90th Ave Pump Station Valve Replacement	5248	-	150,000	150,000	106,738	29,788		120,212	Complete
Totals		2,070,000	1,561,000	3,631,000	207,361	2,299,414		1,547,624	

Notes:

(a) "Expenditures to Date" includes all costs through all project phases (planning, design, construction), spanning multiple fiscal periods as applicable.

(b) CRC project #5243 and Sunnybrook & 93rd Loop project #5241 are included in ODOT/DTD budget



Regulatory

All 84 samples collected and analyzed for the September 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 through October for compliance, and the samples are analyzed at our in-house accredited laboratory.

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 3 of our 4 long-term sampling locations (the most upstream location was inaccessible due to the Riverside Fire) for total organic carbon, nutrients (nitrate/nitrite, total phosphorus, orthophosphate, etc.), coliform density, pH, dissolved oxygen, TDS, and temperature.

Weekly algae monitoring has been occurring at 3 locations in the North Fork Reservoir and CRW's intakes from May to October. This work includes species monitoring with the FlowCAM and nutrient analysis. This was accomplished twice before the Riverside Fire made the North Fork Reservoir inaccessible. For the last three weeks of September this analysis was only performed on our intakes.

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

Sampling for Other Agencies

All 50 samples collected and analyzed during this period for Sunrise Water Authority showed no presence of coliform/*E. coli* bacteria.

Water Conditions Report as of October 05, 2020

Streamflow is about 75% of normal for this time. The daily mean 7-day running average at the Oregon City gauge for October 5th is 876 cubic feet per second (cfs), still well above CRW's stage 3 curtailment trigger of 750 cfs. There is significant rainfall in the forecast between October 10th and 14th.

