



Regular Meeting Board of Commissioners
Thursday, April 20, 2023 - 3:30PM
In Person and Via Teams
Agenda

1. Call to Order
2. Attendance
3. Public Comment
4. Executive Session - Pending/Potential Litigation Pursuant to RCW 42.30.110(1)(i)
5. [Approval of Regular Meeting Minutes from March 16, 2023](#)
6. [Finance Manager's Report March 2023](#)
 - a. [Board Approval of Payables](#)
7. General Manager's Report
8. [Operations Manager's Report](#)
 - a. [Request for Conditional Acceptance for the Lake Steilacoom Drive SA Phase 2: Job \(799\).](#)
9. [Engineering Manager's Report](#)
10. [Information Technology Manager's Report](#)
 - a. [Board Approval of Surplus/Disposal/ECycle items](#)
11. Other Business
 - a. Acknowledgment of Employee Wages Increases
 - b. Articles for the quarterly newsletter.
 - c. Commissioner Barton WASWD update
Next Commissioners Meeting May 18, 2023
12. Public Comment
13. Adjourn



**LAKEWOOD WATER DISTRICT
BOARD OF COMMISSIONERS
Minutes of Regular Meeting
March 16, 2023
Boardroom & Via Microsoft Teams**

1. CALL MEETING TO ORDER

President Korsmo called the Regular Meeting to order at 3:33 PM.

2. ATTENDANCE

Present at the meeting: Commissioners J. Korsmo, G. Rediske (online 3:40 PM-4:59 PM), and G. Barton; General Manager R. Black, Operations Manager I. Black, Engineering Manager M. Meyer, Finance Manager P. Mendoza, IT Manager C. Fast, Human Resources Manager B. Levo, Administrative Assistant J. Clark. Special guests: Burt Clothier and Curtis Chambers.

3. PUBLIC COMMENT

None.

4. USGS MODEL UPDATE PRESENTATION – BURT CLOTHIER

Engineering Manager Meyer presented the history of the District's participation with the USGS models over the last 20 years. The District has paid over \$218k since 2015 to the USGS. In 2001-2002 Watershed Management Plan; 2006-2009 Model Data Collection; 2010 the Chambers Creek Watershed (CCW) model framework; 2011 CCW Model; 2010-2015 Additional model data collection; 2015 USGS Puyallup River Watershed Report; 2016-2018 SES Model conversion; 2022-2023 SES Model Completion and Reports.

Model overview covers all the aquifers the District pumps from, the original CCW model of approximately 490 sq miles, and the new Southeast Sound (SES) model covers approximately 1,220 sq miles.

Model capabilities addresses the regional level questions such as water flow patterns or water budget calculations. Groundwater pumping is around 13% of the total recharge that enters the basin. A majority leaks into the Puget Sound basin. Allows for predictive analyses such as regional aquifer responses to reduce recharge (e.g., lower annual participation). Long-term well pumping impact analysis, climate change impacts on groundwater levels and surface water flows. Analyze potential surface water impacts from new wells and help plan mitigation strategies. Wellhead protection area definitions, particle tracing, and time of travel (TOT) studies.

Model Limitations – Contaminant fate and transport would require investment to enable and develop additional model modules, which is complex. Water quality or water chemistry modeling. Real-time or short-term predictions of impacts and surface water flow predictions (responses to individual storm events or low/high precipitation weather of less than one-month increments).

Areas for Model Improvement – USGS needs additional data on springs – unmapped locations and flow measurements; stream gauging; better resolution mapping; and publishing existing high-quality data sources so they can be used.

Benefits to the District – Water quality planning tools (wellhead protection areas and flow path modeling). Water rights support/mitigation planning (surface water impacts). Aquifer stability (trend tracking and modeling to help balance total water use between aquifers). Well placement and pumping optimization (where to place wells for efficient operations).

Next Steps – *New sources* - revisit impacts of proposed wells with new model. *Aquifer E health* - complete aquifer E study, started in 2022. *Plan for the future* - use the new model for future long-term predictive analyses (water rights mitigation, and potential PFAS source identification). *Optimization* - use model to optimize well operations.

Commissioner Barton asked about some of the model's capabilities related to water quality. Burt Clothier, Hydrogeologist, confirmed that the particle tracking capabilities of the model are generally a conservative prediction of a pathway for contaminants, and the current model's capabilities are helpful for determining the path of contaminants, if not their exact concentrations or interaction with the soil structures. There are some contaminants that also may disperse faster in water due to their chemistry, for which the model's current capabilities may not be conservative. The model would be capable of doing that type of modeling with additional investment and effort. Mr. Clothier also noted that the materials presented at the meeting were based on the older model since the newest model had just been released. It is anticipated that the new model is more accurate, but without the official, published USGS documentation that goes along with the model, it would be important not to convey any conclusions from modeling with the new model until all of USGS's model limitations are known and documented. General Manager Black noted that many concerned citizens believe the model will be able to be used to point to the District as the main driver of decreased stream flows and surface water levels.

Mr. Clothier noted that the model can look at the interaction between groundwater and streams but that the physical measurement of stream flow is more difficult to determine as precisely as the model reports. So, the example figures presented where the model may predict a fraction of one percentage of stream flow change is nearly impossible to confirm with field measurements and is within the range of error for the model itself. He noted that the USGS reports show that pumping in the basin accounts for only 13 percent of total aquifer recharge in the basin, which is even less than the amount of precipitation in the basin. This limited amount of withdrawal and the assertion that there is a direct connection between that withdrawal and a reduction in surface water at a specific location is not within the model's capabilities. He remarked that there are likely groups who want to point to known users of water to the observed flow reductions but that the model isn't adequate to show that connection, and a watershed management plan would likely be the tool to help answer that question.

Operations Manager Black asked if the surface water impacts predicted by the model in the example figure presented are within the margin of error in the model. Mr. Clothier confirmed that is the case and explained how this model inaccuracy has contributed to some challenges related to water rights law in the state. The challenge is in the regulatory interpretation that any impact shown by the model should be addressed, while the technical capabilities are not accurate enough to guarantee that small impacts are accurate throughout the region and that these small impacts are not able to be measured in the field because they are so small.

5. APPROVAL OF MEETING MINUTES FROM 2/16/23 REGULAR MEETING.

COMMISSIONER BARTON MOVED TO APPROVE THE FEBRUARY 16, 2023, REGULAR MEETING, SECOND BY COMMISSIONER KORSMO. MOTION PASSED UNANIMOUSLY.

6. FINANCIAL INFORMATION

Philip Mendoza, Finance Manager, presented the February 2023 financials to the Board. He shared that *Retail Sales* in February 2023 were 5.7% higher than budgeted and 6.94% higher YTD. *Wholesale Water Sales* are within 2% of the budget. *Operating Revenue* is 3.17% higher than budgeted and 3.30% higher YTD. *Pumping Operations* is 4.85% higher than budget and 3.83% under budget YTD. *Water Treatment Operations* are 15.1% under budget and 23% under budget YTD. *Transmission and Distribution Operations* is 30.8% under budget and 25.8% under budget YTD. *Total Operating Expense* is 11.6% under budget and 12.7% under budget YTD. *Maintenance Transmission & Distribution* is 22.3% under budget and 18.2% under budget YTD. *Total Operating & Maintenance Expense* 10.1% under budget and 8.1% lower YTD. *Net Operating Revenue* is 83.8% higher than budgeted and 94.4% higher YTD.

a. Approval of Payables

Disbursements made from the General Ledger Fund for checks number 45669 through 45764 totaling \$1,127,100.92, salary direct deposits totaling \$216,045.23, payroll taxes totaling \$80,232.16, and other electronic payments totaling \$344,407.09 for a total of \$1,767,785.40 were presented to the Board for approval.

COMMISSIONER BARTON MOVED TO APPROVE THE PAYABLES AS LISTED. COMMISSIONER KORSMO SECONDED THE MOTION. MOTION PASSED UNANIMOUSLY.

7. GENERAL MANAGERS REPORT

- a. **Executive Session pursuant to RCW 42.30.110(1)(i) to discuss legal risk of proposed action.** Commissioner Korsmo called the Executive Session to order at 4:15 PM, estimated time 15 minutes. Commissioner Korsmo called for additional time at 4:30 PM. Commissioner Korsmo closed the Executive Session at 4:38 PM. No action was taken.

General Manager Black thanked Philip, his team, Marshall, and Gene Petersen for their help in applying for \$5M to help with PFAS projects from Representative Strickland's Community Funding Project. The paperwork for the EPA has been finished to receive the funds from Senator Murry's office. The funds should be available in June or July 2023.

He compiled a letter to address the lack of communication with JBLM to meet with State representatives and agencies on what can be done sooner than later to address PFAS. Due to the new MCL being issued, the base can no longer do the CERCLA process. He will keep the Board informed of the meeting once the date has been scheduled.

8. OPERATIONS MANAGER'S REPORT

- a. **Request for Conditional Acceptance for the Naomilawn, Newgrove, and Highland Water Main Replacement Project Job #0719.**

Operations Manager Black shared that Pape & Sons did a wonderful job and finished early.

MOTION TO APPROVE CONDITIONAL ACCEPTANCE FOR THE NAOMILAWN, NEWGROVE, AND HIGHLAND WATERMAIN REPLACEMENT PROJECT JOB #0719 BY COMMISSIONER KORSMO; SECONDED BY COMMISSIONER REDISKE. MOTION PASSED UNANIMOUSLY.

Lake Steilacoom Dr. project is being paved today and should be completed within the week. With the completion of the Lake Steilacoom Dr. project, half of the R&R projects will be completed for the year. The Front St. project will start with HCON at the beginning of June. The Hipkins Rd. project may be delayed due to the City of Lakewood not being ready until October/November due to ROW delays. Discussion about the possibility of moving a project scheduled from 2024 to 2023.

The flushing project should start in mid-March.

Commissioner Barton asked about the main break on 104th/Butte. Is the crack due to a defect in the pipe due to being too close to a pump? Operations Manager Black shared that the main looked like it was laid at an arch, which could have contributed to the linear crack. This type of pipe cracks and doesn't break circularly. We are working with the city to get permits for the asphalt and sidewalks repaired; this is a priority for the District to fix quickly.

9. ENGINEERING MANAGER'S REPORT

a. Request for Conditional Acceptance of Completion for the Seismic Retrofit of Steilacoom Reservoir Project by T Bailey, Inc.

There have been some changes due to site conditions and tank coding, but we were able to negotiate the change orders, and the project price was \$3.06M and \$1.2M from FEMA towards the total cost. The project came within budget.

MOTION TO APPROVE CONDITIONAL ACCEPTANCE OF COMPLETION FOR THE SEISMIC RETROFIT OF STEILACOOM RESERVOIR PROJECT BY T BAILEY, INC. BY COMMISSIONER BARTON. SECONDED BY COMMISSIONER REDISKE. MOTION PASSED UNANIMOUSLY.

Marshall Meyer, Engineering Manager, shared EPA released their proposed MCL for PFAS on March 13, 2023. The proposed MCL has moved beyond the original two compounds, and now there are six. This list does include the five that the State of WA has.

The proposed MCL levels for PFOS and PFOA are lower than the SAL:

SAL - PFOA 15 ppt / PFOS 10 ppt
EPA – PFOA/PFOS 4 ppt

The four wells (O-2, O-3, I-3, U-1) below SAL are now above the proposed MCL. We have at least three years before the MCL goes into effect.

Engineering Manager Meyer thanked the Board for their approval to move forward with our current projects for funding. If we had waited until next year, we would have even more projects to propose, and we are in much better shape than other districts that have yet to apply for any funds.

General Manager Black shared, per the engineering community, the new MCL level will cost utilities across the country \$380B a year to battle PFAS. In order to enact a policy or rule, EPA will have to perform a physical impact on the community and how communities will get funding to treat PFAS.

Engineering Manager Meyer shared that the EPA plans on finalizing the rules by the end of 2023.

Commissioner Korsmo asked if the District would take any action regarding the proposal.

Engineering Manager Meyer stated the action would be to continue attending the sessions and making public comments. When they finalize their rule, it will be around the same time we are approving the budget.

General Manager Black shared DOH will come out with rules that state you will continue with the SAL until the MCL is finalized, and then they will provide guidance on what to do next.

Commissioner Barton commented the Commissioners have been very strong on making sure we have a buffer and to make sure we have enough water to pump. Everyone has been proactive in addressing this issue.

Commissioner Rediske left the meeting at 4:59 PM.

10. IT MANAGER'S REPORT

IT Manager Fast shared there were no cyber security issues last month.

a. Board Approval of the Administrative Backflow Fees

The staff is asking to have the administrative fees reduced. We are proposing to pass these gains in efficiency along to our ratepayers by reducing the District's \$10.00 administrative fee on the District's Backflow Testing program to \$5.00. This will result in a Net 0 increase to the District backflow testing program for 2023 and keep the fee at \$34.00 per tested assembly.

Staff is able to keep the overhead low due to increased efficiency in the amount of time it takes the office staff to administer the program. It went from two days to generate notices to one hour, and the backflow test entry from 10 minutes a test down to one minute a test on average. We think it would be best to pass the savings on to the customers.

MOTION TO APPROVE THE REDUCTION OF THE FEE BY COMMISSIONER BARTON. SECONDED BY COMMISSIONER KORSMO. MOTION PASSED UNANIMOUSLY.

b. Board Approval of Surplus/Disposal/ECyle items

IT Manager Fast shared the updated list of items for approval for Surplus, Disposal and ECyle.

MOTION TO APPROVE THE LIST OF ITEMS FOR SURPLUS, DISPOSAL AND ECYLE AS PRESENTED BY COMMISSIONER KORSMO. SECONDED BY COMMISSIONER BARTON. MOTION APPROVED UNANIMOUSLY.

11. OFFICE MANAGER'S REPORT

a. Board Approval of 2022 Write-Offs

General Manager Black shared the Office Manager's report was included in the packet. He presented the 2022 annual write offs that were not able to be collected on for a total of \$13,312.87.

Items include the following:

- Miscellaneous A/R - are invoices for such things as hydrant meter rentals or damage to a meter box, etc.
- Small Balances are terminated accounts with credit or debit balances of \$8.00 or less.
- Collection Write-Offs are terminated accounts that have been sent to our collection agency for non-payment. The reason for not turning the water off is generally because there is a new owner at the property.
- 50% Leak Adjustments were approved for customers who had a leak on their side of the meter, repaired it, and the water bill was a hardship. This is allowed one time per lifetime of the customer's account.
- Meter Leak Adjustments are accounts that had a meter leak on the District side of the meter, and the District adjusted their balance to the average usage for that timeframe.
- Miscellaneous Adjustments are adjustments such as waiving fees or accounts that were not appropriately billed.

MOTION TO APPROVE THE 2022 WRITE-OFFS BY COMMISSIONER KORSMO. SECONDED BY COMMISSIONER BARTON. MOTION PASSED UNANIMOUSLY.

12. HR MANAGER'S REPORT

HR Manager Levo presented the 2023 Succession Plan Update. It is essentially the same as in 2022. Two employees are retiring in 2023 (General Manager & Foreman/Safety Officer). The Foreman/Safety Officer position will not be filled and was placed at the bottom of the list. HR Manager Levo will advertise for the General Manager position in June 2023. Two employees are retiring in 2025, one in 2027, and one in 2028. Additional potential incumbents were also added to the Operations & Maintenance Department Head and Lead positions.

Commissioner Barton inquired when the Board would receive updates on the Mission, Vision, and Values statements. HR Manager Levo shared that she planned to meet with the Commissioners individually to provide monthly updates. The Commissioners agreed to meet monthly for updates.

13. Other Business:

- a. The Board acknowledged the wage increase this month.
- b. Commissioner Barton provided a brief update on the WASWD Legislative Committee. He shared that the Workforce Committee is contacting schools with questions on how to reach out to high school students to get them interested in Water/Sewer work.

Government Relations Committee has been focused on what is happening in the legislature. The Bio-Solids bill did not make it through the committee. HB1621 In-House Public Works bill is still moving forward but has had pushback from some unions. Extreme Shut Off bill, House bill passed and going through Senate.

- c. Our next Commissioner's meeting will be on April 20, 2023, at 3:30 PM.

- d. Commissioner Barton and Engineering Manager Meyer had a discussion on the pro and cons of vertical turbine and submersible pumps.

12. PUBLIC COMMENT

None.

13. ADJOURN

President Korsmo adjourned the meeting at 5:22 PM.

**LAKWOOD WATER DISTRICT
BOARD OF COMMISSIONERS**

BY:

ITS PRESIDENT

BY:

ITS SECRETARY

BY:

ITS VICE PRESIDENT

BY:

DISTRICT SECRETARY (DATE)

DRAFT

LAKWOOD WATER DISTRICT
2023
INCOME STATEMENT

MARCH	CUR MO ACTUAL	CUR MO BUDGET	CUR MO VARIANCE	Y-T-D ACTUAL	Y-T-D BUDGET	Y-T-D VARIANCE
SALE OF WATER	636,549	618,238	18,312	2,026,382	1,917,770	108,612
OTHER OPERATING REVENUE	92,116	89,984	2,132	217,190	232,907	(15,717)
WHOLESALE WATER SALES	464,943	479,421	(14,478)	1,361,813	1,392,198	(30,385)
TOTAL OPERATING REVENUE	1,193,608	1,187,642	5,966	3,605,385	3,542,876	62,510
OPERATING EXPENSE						
PUMPING	91,039	114,135	(23,096)	302,365	337,763	(35,398)
WATER TREATMENT	20,771	43,070	(22,299)	83,440	129,210	(45,770)
TRANSMISSION & DISTRIBUTION	75,870	105,142	(29,273)	233,425	311,798	(78,374)
CUSTOMER ACCOUNTS	64,175	70,246	(6,071)	194,258	210,737	(16,479)
CUSTOMER INFORMATION	198	1,309	(1,110)	228	2,617	(2,389)
ADMINISTRATIVE & GENERAL	182,681	240,155	(57,474)	649,529	747,706	(98,177)
TOTAL OPERATING EXPENSE	434,734	574,057	(139,323)	1,463,245	1,739,832	(276,587)
MAINTENANCE EXPENSE						
SOURCE OF SUPPLY	2,929	3,440	(511)	9,251	10,319	(1,068)
PUMPING	20,284	21,953	(1,669)	54,845	65,859	(11,014)
WATER TREATMENT	7,071	16,032	(8,961)	30,827	48,095	(17,268)
TRANSMISSION & DISTRIBUTION	191,342	101,606	89,736	367,723	304,817	62,906
ADMINISTRATIVE & GENERAL	54,778	27,024	27,754	128,312	81,072	47,240
SUB-TOTAL	276,404	170,054	106,350	590,957	510,161	80,796
DEPRECIATION EXPENSE	262,000	262,000	-	786,000	786,000	-
UTILITY EXCISE TAXES	41,405	39,195	2,210	125,917	100,434	25,483
TOTAL MAINTENANCE EXPENSE	579,809	471,249	108,561	1,502,874	1,396,595	106,280
TOTAL OPERATING & MAINT EXPENSE	1,014,543	1,045,306	(30,763)	2,966,119	3,136,427	(170,308)
NET OPERATING REVENUE	179,065	142,336	36,728	639,266	406,449	232,817
GAIN (LOSS) ON DISP. OF PROPERTY	-	-	-	795	-	795
RENTAL OR LEASE INCOME	310	200	110	22,316	2,010	20,306
INTEREST INCOME	38,895	4,000	34,895	109,000	12,000	97,000
MISC NON-OPERATING INCOME	12,355	-	12,355	12,355	-	12,355
INTEREST L-T DEBT	(181,121)	(183,627)	2,506	(543,362)	(550,880)	7,519
DEBT ISSUANCE COSTS	-	-	-	-	-	-
CARES GRANT FUNDING	-	-	-	-	-	-
TOTAL MISC INCOME/EXPENSE	(129,560)	(179,427)	49,867	(398,895)	(536,870)	137,976
NET INCOME	49,505	(37,091)	86,596	240,371	(130,422)	370,793

We, the undersigned Board of Commissioners of the Lakewood Water District
Pierce County, Washington, do hereby certify that the merchandise or services
hereinafter specified have been received and checks numbering 45765 through
45887 and all electronic payments for this period are hereby approved for payment in the sum of
\$1,625,235.56 this 20th day of April 2023.

Commissioner Korsmo

Commissioner Rediske

Commissioner Barton

General Manager

Check no.	Vendor Name	Payment Description	Amount
45765	Associated Petroleum Products	(520) Gals Unleaded Fuel	2,053.55
45766	Cintas	(12) Packages Nitrile Gloves - Size XL	219.91
45767	Core & Main	Conc Mtr Boxes, Hyd Stems, Brs Reducers, Hyd Bonnets	6,187.51
45768	Daily Journal of Commerce	Legal Ad - Hydrogeologic Consultant	68.75
45769	Ferguson Waterworks	(1,000) Ft Blue Locate Wire	275.74
45770	Grainger Inc	Assorted Packs O-Rings	98.79
45771	Hach Company	(1) Pocket Clorimeter - For Inspections	767.75
45772	Holroyd	(30) Tons Crushed Rock - Haul Concrete Main Break	1,010.51
45773	Lakeview Light & Power	Equipment & Pump Help - WBS#1 Replaced Pump Seals	1,394.67
45774	Lowes Company	Rebar - Cutting Tool - Adapter - Poly Tubing - Carpet Trans	459.99
45775	Marshall Meyer	Reimbursement - Group Team Building/Meeting Lunch	100.00
45776	McClatchy Company	Legal Ad - Public Auction Surplus Items	164.58
45777	Mooses Auto Tech	Trk# 45 Oil Change & Service	104.79
45778	Ogden Murphy Wallace	Jan23 Advisory - View Rd - Pump Motor Warranty	990.00
45779	Open Works	Mar23 Janitorial Services	1,997.51
45780	Pacific Power Group LLC	(6) Sites - Annual Generator Maint Svcs	10,725.02
45781	Pierce County Sewer	Feb23 - 8100 WA Blvd SW & 11900 Grav Lk Dr Sw	84.28
45782	Pro Call Center	Feb23 After Hours On-Call Svcs	264.71
45783	Raedeke Associates Inc	Jan23 G-4 & K-3 Wells (Scotts/Lake St) ESA Studies	204.00
45784	Rainier Supply	(1) Hour Labor - P-2 (Steilacoom) Starter	330.00
45785	Seattle Ace	(1,000) Cable Ties (4) Cans Green Spray Paint	63.31
45786	Thomas M Pors - Law Offices	Misc Legal Svcs - SB 5517 - Wtr Resource Mitigation	945.00
45787	Town of Steilacoom	Feb23 View Rd - Sewer & Electric Chgs	714.24
45788	Utilities Underground	(297) Feb23 Locates	383.13
45789	WA Assoc of Sewer & Water Districts	2023 Spring Conference Registration - RB, IB, JLC, & GB	2,180.00
45790	Water Management Labs	(19) Total Coliform P-A (3) MMO-MUG Tests	462.00
45791-45795	Void Check - Printing Error	VOIDED - Check Misprint	-
45796	Bill Clarke Attorney at Law	Feb23 WA State Legislative Atty Svcs	3,500.00
45797	Bosma Metal Works	(28) Assorted Traffic Meter Box Lids	6,204.94
45798	Bowen, Rod	CDL Renewal & Uniform Reimbursement	190.38
45799	Caselle	Apr23 Contract Support & Maintenance	3,547.50
45800	Centurylink	Internet Svcs (3) Sites	367.10
45801	Cintas	02/22/23, 03/01/23, & 03/08/23 Weekly Svcs	471.08
45802	Dykman Electric Inc	R-2 (112th St) VFD - Variable Frequency Drive	10,146.98
45803	Fastenal Company	(4) Pkgs Braided Packing Material for Valves	197.04
45804	FedEx Freight	(2) Bundles of XLG Boxes	165.26
45805	Ferguson Waterworks	(54) Mushroom Antennas/Annual Portal Fee/Corp Stops	12,533.53
45806	Harold LeMay Enterprises Inc	Feb23 - Dumpster - Recycles - Shredding Bin	805.68
45807	HCON Inc	Feb23 App #2 - R&R - Lake Steilacoom Dr	212,376.55
45808	K and D Services	Flagging Svcs - 10224 Superior St SW	1,378.00
45809	Lakewood Hardware & Paint	Bevel Washers/Screws/Washers/Locknuts/Oxide Kit	40.55
45810	Miles Resources	(6.23) Tons Cold Mix	704.14
45811	Mooses Auto Tech	Trk# 52 - Replaced Two Tires	419.29
45812	Multicare Centers of Occup Medicine	EBT & Drug Screen	115.00
45813	Pape & Sons Construction	R&R - Pay App# 4 Naomilawn - Newgrove - Highland Ave	294,131.62
45814	Rainier Supply	LED Lights/Flourescent Lamps/MCCB Breaker/Relays	2,236.67
45815	S&B Inc	Replaced Transducer - Dunbar Reservoir	1,006.28
45816	Seattle Ace	Paint Brushes - Wall Texture - Spackling - Texture Spray	80.73
45817	Water Management Labs	(19) Total Coliform P-A 3 or More Tests	420.00
45818	Lakewood Water District	Employee Fund - March Payroll - 03/17/23	320.00
45819	WA State Support Registry	March Payroll - 03/20/23	195.50
45820	Airgas USA LLC	(2) Acetylene Rentals	21.56
45821	Associated Petroleum Products	(459) Gals Unleaded Fuel & (50) Gals Diesel Fuel	1,993.49
45822	Centurylink	Internet Svcs (4) Sites	303.14
45823	Cintas	03/08/23 CM Weekly Svcs & 03/15/23 Weekly Svcs	142.90
45824	Cintas Fire Protection	Qtrly Monitoring - 11900 Gravelly Lake Drive SW	407.00
45825	Core & Main	(40) Bonnet Gskts (10) Insta-tite Spoons (7) Mtr Vlvs	4,702.61
45826	Cosco Fire Protection	2023 Fire Sprinkler Maint. & Inspection	1,980.00
45827	Dykman Electric Inc	R-2 Well (112th St) - Enclosure for VFD	2,706.70
45828	E. H. Wachs	New Pressure Washer Pump - Valve Turner Trailer	1,263.77
45829	Fastenal Company	(25) 1/2 Inch - 13 Zinc Finished Hex Bolts	6.59
45830	Holroyd	(10) YDS Crushed Rock - 79th St SW	313.51
45831	Honey Bucket	(1) On-Call Svc - 03/07/23	80.00
45832	Inslee, Best, Doezie, & Ryder PS	02/23 Gen Legal Svcs/Woodland Estates/Dish Wireless	4,217.50
45833	Kennedy/Jenks Consulting	Eng Svcs - 02/23 Scotts PFAS Treatment	994.48

45834	Marten Law	Atty Svcs - 02/23 PFAS	54,340.63
45835	Northwest Corrosion Eng	Nyanza Reserv CP (Cathodic Protection) Design & Build	2,996.98
45836	Pacific Groundwater Group	11/22 Lakewood Annual Monitoring	160.00
45837	Parametrix	Engs Svcs - 02/23 Front-96th St; 02/23 WA Blvd, Grav Lk,	9,057.79
45838	Pitney Bowes Inc	Qtrly USPS Mtr Rental & Semi-Annual Equip Rental Chgs	402.70
45839	Sherwin-Williams Co	Paint & Supplies for Office	107.56
45840	Sound Transit	Annual BNSF Rent Permit# 71428 & 84701 (3/1/23-2/29/24)	2,000.00
45841	South Sound Systems	New Cabling - Copier Workstation	1,349.70
45842	Stronghold Armored Inc	02/23 Armored Truck Svcs	375.00
45843	Verizon	02/23 SCADA Data Chgs	1,074.65
45844	Advanced Safety	(3) Reconditioned Extinguishers (3) RP 109 Signs	214.01
45845	Batteries Plus	Battery for D-Well - Emergency Lighting	35.19
45846	Cascade Mobile Mix Concrete	1 & 1/3 YDS Concrete - N-3 Pump Pad	517.00
45847	Cintas	03/22/23 Weekly Svcs	194.39
45848	Cintas Fire Protection	Qtrly Monitoring - 9940 Hemlock St	407.00
45849	Costco Membership	Annual Membership Dues - Office	54.71
45850	Day Wireless Systems	03/23 Communication - Radio Service	636.41
45851	Grainger Inc	(3) Wall Files/(24) Air Filters/(3) LED Batons/Wht Chart Tape	1,659.01
45852	Holroyd	10 YDS Crushed Rock & Brush Removal Tillicum Tank Site	433.11
45853	Holt Services	F-2 Bridgeport Tank - Final Pump Test	73,210.50
45854	Keep Safety LLC	2023 Fall Protection & Competent Person Training	2,023.20
45855	Kuker-Rankin	(6) Rite-N-Rain - Spiral Notebooks	33.39
45856	Lawson, Kyle	Uniform Reimbursement	406.98
45857	Midco Material Handling	Repair Broken LBR (Load Backrest) - Forklift	379.45
45858	Mooses Auto Tech	Trk# 30 Oil Chg & Svc	82.98
45859	National Barricade Co LLC	(2) Bump Signs	402.60
45860	Onsolve LLC	IVR Svcs - 04/23/23 - 04/27/24	700.00
45861	Pacific Power Group LLC	Yard Portables 1 & 2 - Annual Svcs	2,692.85
45862	Preferred Roof Services Inc	Roof & Gutter Cleaning - Equipment Shop & D Well House	6,798.00
45863	Pumpstech LLC	E-2 Well (WA Blvd) - Troubleshoot Svc Call	759.00
45864	Seattle Ace	Trk# 48 - (2) Brooms/Velcro Tape/Utility Knife/Dowel Pins	123.27
45865	Sound Home Maintenance	Compulsory Bkflw Test	130.00
45866	Sprague Pest Solutions	03/23 Pest Control Svcs	104.50
45867	Superior Saw & Supply Inc	(1) Sharpen Steel Bit	15.99
45868	Town of Steilacoom	03/23 View Rd - Electric & Sewer Chgs	822.68
45869	Water Management Labs	(31) Total Coliform Tests & (5) MMO-MUG Tests	756.00
45870	AWWA	Annual Membership Dues - M Meyer	255.00
45871	Backflows Northwest	10/22 (39) Backflow Tests & 11/22 (55) Backflow Tests	2,350.00
45872	Capital Heating & Cooling	Replaced & Repaired Heating & Cooling System	2,425.85
45873	Centurylink	Internet Svcs (5) Sites	479.55
45874	Cintas	03/29/23 Weekly Svcs	157.78
45875	Core & Main	(12) Each Assorted Repair Clamps	1,705.57
45876	Dykman Electric Inc	(5) Yaskawa VFD Hands-On Training - Pumping Dept	962.50
45877	Ferguson Waterworks	(150) Meter Gaskets & (150) Flange Gaskets	445.50
45878	Grainger Inc	(2) Sleeve Coupling Inserts	207.46
45879	Lakewood Hardware & Paint	Blue Electrical Tape/PVC Slip Clips/60G & 80G Flap Discs	70.08
45880	Liberty Mutual	Surety Bond Renewal - DOT	100.00
45881	MB Electric LLC	Misc Electrical Work - Office	10,153.00
45882	Napa Auto Parts	(12) Tarp Straps/(2) Booster Cables (30) Cut-Off Wheels	315.55
45883	Pacific Groundwater Group	02/23 LKWD R-2 Well/WD-3 Well/Deep Drilling Planning	4,363.75
45884	Pierce County Auditor	Claim of Lien - 10329 99th St SW	18.00
45885	Rainier Supply	(1) 10 Pack 6V Green LED - 32 Deg Lights	44.17
45886	Robblees Total Security Inc	(1) Cyber Key - Lock Entry	172.33
45887	Water Management Labs	(19) Total Coliform Tests & (1) Quanti-Tray Test	431.00

Sub-Total

793,051.13

March Payroll - 03/03, 03/17 & 03/31

320,260.86

March Payroll Taxes (PMT# 691, PMT# 699, & PMT# 709)

120,685.60

Date

Other Electronic Payment

3/9/2023	PMT# 696 - CEP Enterprises LLC	3,363.00
3/9/2023	PMT# 697 - Sir Speedy	3,255.31
3/6/2023	PMT# 698 - Principal Life Insurance	2,855.87
3/15/2023	PMT# 700 - Sir Speedy	380.94
3/17/2023	PMT# 701 - AFLAC	507.55
3/17/2023	PMT# 702 - WA Deferred Comp	3,785.35
3/20/2023	PMT# 703 - Delta Dental	3,996.40
3/20/2023	PMT# 704 - Principal Life Insurance	2,855.87
3/17/2023	PMT# 705 - Regence Medical Ins	60,105.36
3/17/2023	PMT# 706 - WA PERS	24,989.09
3/22/2023	PMT# 707 - RH2 Engineering	58,091.54
3/22/2023	PMT# 708 - Sir Speedy	1,327.08
3/31/2023	PMT# 710 - WA PERS	25,295.40
3/29/2023	PMT# 711 - RH2 Engineering	10,284.34
3/29/2023	PMT# 712 - Sir Speedy	3,355.01

B&O Tax 41,405.34

1st Qtr WA PFML 6,103.98

1st Qtr L&I 8,028.92

1st Quarter ESD - Unemployment 6,983.22

Key Bank Acct Analysis Charge (MAR) 1,490.49

US Bank CC (Less Power)	25,086.63	
US Bank CC Power Costs	89,094.10	
Paymentech / Merchant Fees (MAR)	5,130.03	
Xpress Bill Pay (MAR)	3,467.15	391,237.97

GRAND TOTAL

1,625,235.56



Operations Manager's Report
 April 20, 2023
 Board of Commissioners Meeting

OPERATIONS

Work ORDERS & PM's

- 266 Billing/Office Field Service Orders
- 60 Field Work Orders Elements
- 79 Fleet Service Orders
- 405 Total Service Orders

DELINQUENT ACCOUNTS – Debbie

- 86 Delinquent Accounts
- 25 Paid on Door Hangers or on Disconnect
- 55 Services Disconnected
- 80 Paid on Disconnect
- 6 Remained Disconnected at the end of the month

LOCATES - Debbie

- 316 Locate Requests Received
- 32 Requests were out of LWD Service Area
- 00 Locates were submitted by LWD
- 04 Cancelled Locates
- 280 Locates Completed
- 280 Total amounts owed

Right of Way Permit: 0

Water Availability Letters: 24

3/1/2023	PAULA WETTERLING GARAGE	8519 LEONA WAY SW	3/7/23	\$ 130.00	N/A		R/NEW GARAGE
3/1/2023	CALIFORNIA TACO	10519 BRIDGEPORT WAY SW	3/9/23	\$ 130.00			C/REMODEL
3/2/2023	UP AUTO RETAIL CAR LOT	8414 S TACOMA WAY	3/9/23	\$ 130.00	N/A		C/NEW CONSTRUCTION
3/2/2023	MORITA LIVING ROOM ADDITION	14520 W THORNE LN SW	3/9/23	\$ 130.00			R/REMODEL
3/2/2023	LOLEKA RENOVATION	4826 DIAMOND BLVD SW	3/9/23	\$ 130.00			R/REMODEL
3/2/2023	MIT DEV LLC	11320 & 11210 MILITARY RD SW	3/9/23	\$ 130.00			R/SHORT PLAT
3/3/2023	NJUBI ADDITION	8718 LENOX AVE SW	3/9/23	\$ 130.00			R/ADDITION
3/8/2023	N BROTHERS BAKESHOP	6020 MAIN ST SW SUITE K	3/9/23	\$ 130.00			T/I REMODEL
3/9/2023	34TH AVE WAREHOUSE	93xx 34TH AVE S	3/15/23	\$ 130.00			C/NEW CONSTRUCTION
3/10/2023	LANDLORD WORK STE 360	5700 100TH ST SW STE 360	3/21/23	\$ 130.00			T/I REMODEL
3/15/2023	CONCORDIA	XX DIVISION LANE SW	3/21/23	\$ 130.00			R/SHORT PLAT
3/15/2023	STARBUCKS LWD MALL RENOVATION	6040 MAIN ST SW	3/21/23	\$ 130.00			C/TENANT REMODEL
3/20/2023	CLASSY CHASSIS REMODEL	7701 CUSTER RD W	3/22/23	\$ 130.00			R/REMODEL
3/21/2023	K PROPERTIES NW LAKEWOOD OFFICE	7304 LAKEWOOD DR W STE 8	3/23/23	\$ 130.00			T/I REMODEL
3/21/2023	NIKLAS LK LOUISE SHORT PL	385 LAKE LOUISE DR SW	3/30/23	\$ 130.00			R/SHORT PLAT
3/22/2023	CIUGA REMODEL	7901 ONYX CT SW	3/29/23	\$ 130.00			R/REMODEL
3/23/2023	CASSIDY ROBB	10112 SUPERIOR ST SW	3/30/23	\$ 130.00			R/NEW GARAGE
3/23/2023	HENSELMAN DECK	9708 ZIRCON DR SW	3/30/23	\$ 130.00			R/REMODEL
3/24/2023	LKWD TOWNE CTR DAVIDS BRIDAL	10330 59TH AVE SW SUITE A		\$ 130.00			C/ T/I REMODEL
3/27/2023	THE ANNEX	12527 BRIDGEPORT WAY SW	4/4/23	\$ 130.00			C/NEW CONSTRUCTION
3/27/2023	BASEMENT ADU	9721 LAKE STEILACOOM DR SW	4/4/23	\$ 130.00			R/ T/I REMODEL
3/29/2023	OAKBROOK AFH RAMP	7303 97TH AVE SW		\$ 130.00			R/ADDITION
3/29/2023	SHORT PLAT - 4-5 LOTS	7820 112TH ST SW		\$ 130.00			R/SHORT PLAT
3/30/2023	BOUNDARY LINE ADJUSTMENT	9711 FARWEST DR SW		\$ 130.00			R/SHORT PLAT BLA

MAINTENANCE

Bobby Gaskin – Department Head

NEW SERVICES:

6012 116TH St SW - 1 - 1"x 5/8" service

5702 – 5708 79th St W – 8 – 1" x 5/8" Services.

MAINS MAINTENANCE

6012 116TH St SW - 1 - 1"x 5/8" service

5702 – 5708 79th St W – 8 – 1" x 5/8" Services

MAINS MAINTENANCE

Main Break at 104th and Butte Full length Crack in 12" C-900 pipe. Estimated 200,000 gallons lost. Roadway restoration required. Had to go back 2 times and patch potholes and depressions in the pavement, Asphalt patch has repaved and put new curbing back so restoration is nearly complete we will have to vacuum truck out the CB's and Jet the storm lines, and are hoping to get this completed by the 14th.

JOBS

None to report this month.

SERVICE MAINTENANCE

None to report this month.

VALVE MAINT.

Installed 6" hydra-stop insertion valve @ 8415 Mt Tacoma DR as demo for the CO-OP

VALVE OPERATION CHECKS

None to report this month.

HYDRANT MAINTENANCE

Hydrant	Source	Fix/Repair
25H1	6418 Mt. Tacoma Dr SW	Leaking from operating stem – replaced old packing & bonnet gasket.
39HV29	3611 112 th St SW	Bad side port – could not remove had to replace upper body with used body.
15H21	9526 Maple Ave SW	Leaking from operating stem – replaced packing & bonnet gasket.
19H4	3615 Steilacoom Blvd SW	Leaking from Bonnet – Replace old packing and bonnet gasket.

Hydrant	Source	Fix/Repair
51H21	12225 Shadywood Ln SW	Leaking from operating stem – Replaced brass sleeve on stem, stem O- ring and bonnet gasket.
59H1	Boston Ave SW	Leaking from operating nut, no sign of leak.

HYDRANT REPLACEMENT:

None to report this month.

METER MAINT.

None to report this month.

FLUSHING SEASON:

Flushing program started off with Night Flushes on Steilacoom Blvd.

LEAK DETECTION REPAIR

None to report this month.

GROUND MAINT.

New topsoil Paced for planters around the office.

CITY FRANCHISE PROJECTS

None to report this month.

OPEN METER BOX CHECKS

1080 for this month

IDLE METER CHECKS

None to report this month.

TRAINING:

None to report this month.

DEPARTMENT ACTIVITIES Operations and Maintenance:

We did suffer a significant main break on the 23rd of February at the intersection of 104th and Butte. We had a full stick of C-900 crack and open about ¼” this was exacerbated by the fact that we have a booster station less than 100 feet from the break. This line was not putting any customers out of service, as this is a transmission main from the Booster to the Hemlock Tank. We lost approximately 200,000 gallons of water and are awaiting a bid for the restoration work on the pavement and curb and gutter. There was a significant amount of damage that the water caused to the Sidewalk Curb and Gutter as well as the pavement and filling the catch basins. We just received the restoration estimate from Asphalt Patch and they are at \$97,000.00 plus sales tax.

4-4-2023: We have repaired the main break and have finished the paving and curb work and should be finishing the Sidewalk repair this week. We did have a couple of additional failures that we had to deal with due to the break washing materials from under the pavement. We repaired the two sink holes with District staff, but we found the gas trench had been washed once we started the demo for the paving. Asphalt patch repaired this with Gravel and Cold Patch.



4-4-2023: We have been able to keep moving on the valve turning program and worked on it up until Sunday when we switched over to our annual Flushing program. We have had to revise the program this year due to PFOA/ PFOS with Oakbrook well out due to contamination we have adjusted the flush to come back from our Steilacoom Tank site and then through Oakbrook reversing the typical pattern used in the past.

CAPITAL & R & R PROJECTS – Operations Manager Projects

Design Projects:

North, Forest and Loch Main replacement Projects: Job # XXXX

4-6-2023: We have engaged David Evans and Associates to provide a scope and budget for our Forest, north and Loch main replacement project. If all is good with the scope and budget, we will start the design of this the 3rd R & R project design scheduled to go to construction in 2024.

Hemlock Hill Main replacement Project Phase 1: Job # XXXX

4-6-2023: We have asked Parametrix to provide a scope and budget for the design of Phase one. This includes work on Glenwood to get rid of some of our extremely deep pipe, and work on Hemlock St SW, 102nd St SW, and Cedrona St SW

Scott well site GAC and Iron and Manganese Treatment # 757, # 758, and #778

3-2-2023 with Permit in hand we have started working on the G-1 Building replacement, they migrated the controls for the G-3 well over to G-3 and now it is running independently of the other two wells and this allows for the placing of the footings shutting off the power to those sites and the ultimate demolition of the G-1 Building. They have 2-3 months allotted for this work.

4-6-2023: Excavation of the footings, placement of the electrical foundation penetrations and rebar has been completed. The foot pour will be next week with slab and construction soon to follow. The contractor is estimating June 1st for completion. We will keep a close eye on the progress to make sure we stay on track as this is an essential site to the District.

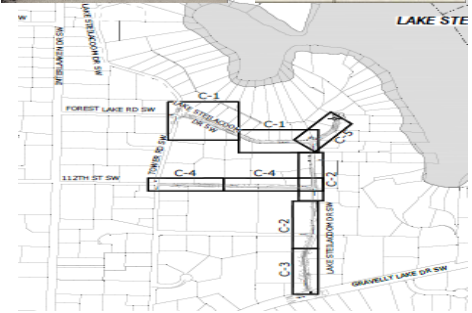
Spanaway Spur Project – WTME connection # 777

4-6-2023: Ceccanti fixed the Hahn’s driveway and is grading out for Curb and Gutter on 41st street. We are anticipating paving toward the 3rd week of the month.



Lake Steilacoom Drive SA Phase 2: Job (799)

3-2-2023 HCON has all the main in and nearly all of the service in and connected; we anticipate that by the end of the month, they will be completed with the project, including restoration. They have done a great job and really worked with us on the issues as they arose. We do look forward to working with them on the 96th Street project in late May.



4-6-2023: This project has been completed and punched out we will be requesting conditional approval for this project at the next scheduled BOC meeting. The contractor did a great job in pursuing this difficult project.

Hipkin’s Road reconstruction With City of Lakewood Job (840)

3-2-2023: We have been working with the City on this project, but they are experiencing some ROW issues on Hipkins, so they are looking to build the angle lane part of the project first and then move on to the Hipkins portion. They are hoping to do so by July or August, but we all know how long the condemnation process can take. Due to the delay and desire to complete this project as soon as possible, the City has asked us if we would consider ordering and supplying the long lead time items for the contract. Typically, this would be a contractor supply, but with Meter boxes and Service brass being out so long, this might be the only option; we are now working with Suppliers to define our time parameters.

4-6-2023: Due to the time constraints with the City and the Summer Fest at the park the city has moved up the work on Elwood and is putting it out to advertisement on the 11th. This work was originally scheduled with the Hipkins Project but has been separated. This will be let and awarded separately from the Hipkins Project.



MEMORANDUM

TO: Board of Commissioners

FROM: Ian M. Black, Superintendent

RE: Request for Conditional Acceptance Lake Steilacoom Dr. Phase II Water Main Replacement Project #0799

DATE: April 20th, 2023

This memo is to recommend and respectfully request the Board's conditional acceptance of completion for the Lake Steilacoom Dr. Phase II watermain replacement project 0799. This conditional acceptance will transition to final acceptance of the project pending the final release requirements being met per the contract specifications.

HCON, Inc has completed all the work required under the specifications and reached substantial completion on March 20th, 2023, with final project completion on March 31st, 2023. The one-year warranty period started on the March 31st, 2023.

Should you conditionally accept this project as completed, the District will send a letter to the contractor stating the conditions above, and the District staff will request the final pay request, and closing documents from the State of Washington, upon the receipt of those documents the project will be final.

Thank you for your time and consideration of this important matter.

IMB:RMB



Engineering Manager's Report

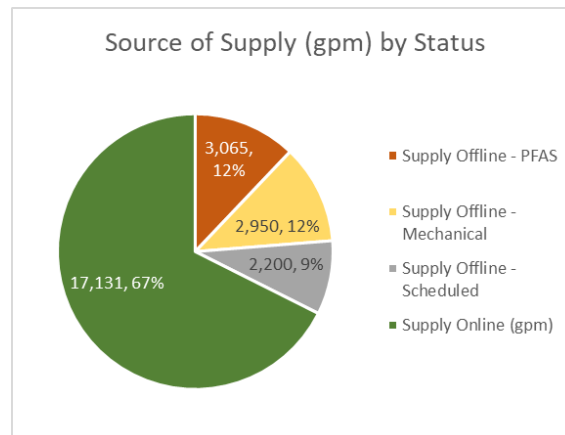
April 20, 2023

Board of Commissioners Meeting

Source of Supply

Operations

1. Total demands are approximately 11 million gallons per day, including roughly 5 million gallons a day to wholesale partners.
2. 67 percent of total supply capacity is online; 12 percent is offline due to PFAS, 12 percent is offline due to mechanical issues, and 9 percent is offline for scheduled activities.
 - a. Mechanical Issues:
 1. We have ordered a new pump and motor for the N-3 Well. The equipment is scheduled to be installed in early April. Due to the challenges of the submersible motors used at this well, we've elected to convert it to a vertical turbine pump and motor, which will both reduce the likelihood of a motor failure and make it easier to repair.
 2. The P-1R Well had a motor failure and has been pulled for replacement. The motor is at the repair facility and being diagnosed.
 3. In early January, the N-1 pump failed. It was pulled for diagnosing on January 12th. We are working with the vendor to install an older pump temporarily while the N-1 pump is being diagnosed and repaired. The temporary pump should be installed in mid-April.
 4. The F-2 pump and motor continues to be offline. New equipment was ordered and is anticipated to be installed in May. This well will be converted from a submersible pump to a vertical turbine to improve reliability and ease of maintenance.
 5. G-1 and G-2 Wells are offline for construction of the new G-1 well building (the G-2 Well is supplied with power from the G-1 building). The building is scheduled for completion in May and the wells will be back in service once the building is completed.
 - b. PFAS - I-3, O-2, O-3, and U-1 wells out of service due to PFAS.



Summary of supply capacity available

Maintenance

1. Field crews continue to work on preventative maintenance tasks.
2. Completed monthly lake and stream monitoring tasks, which support our water rights perfection process.
3. Crews are paying close attention to identifying any vibration issues at well pumps to prioritize any additional repairs or maintenance to keep things available for the summer. We had one well pump balanced and have changed some settings to keep it running within the optimal range for reliability.
4. Holt Services inspected the N-3 Well and installed additional pack material, approximately 9 feet behind the well screen. The pack helps maintain efficient and long-term operation of the well. We will continue to monitor the well pack depth on a recurring basis as another well at this site had instability issues in the past.

Capital Projects

1. R-2 Well
 - a. Installing equipment for this well is included in the 2023 budget. The pump and motor were ordered and anticipated to be ready in May.
 - b. Design of the site and facility improvements is underway. We have ordered the longest lead items as the designs are being finalized. Due to supply chain issues the longest lead item, an electrical distribution panel, isn't anticipated to be ready until the end of July. We plan to have construction work underway ahead of that part arriving but won't be able to commission the well until it arrives.
 - c. Permitting through the State Department of Health has begun for this new well source.
2. F-2 Well Redevelopment
 - a. New equipment has been ordered and should be installed in June.
3. P-2 Well Redevelopment
 - a. Redevelopment and expansion of the P-2 Well has been postponed until after the fall due to the current number of wells being out of service due to mechanical issues.
4. Emergency Generators and Well Improvements project –
 - a. Contract was awarded to Pape & Sons at the March 17, 2022, Board Meeting.
 - b. Site work including flexible couplings on the well piping began in October and now complete for all five sites.
 - c. Generators are suffering from supply chain issues and are currently anticipated to be delivered in August 2023.
5. Abitibi Well Evaluation
 - a. Holt Services completed this evaluation, and the project will be closed out following required paperwork being received from the contractor.
6. K-3 and G-4 Wells
 - a. Tacoma/Pierce County Health Department has approved the site locations for both wells.
 - b. We submitted the required application forms and paperwork to EPA to receive funds from the grant. The EPA continues to work on review and approval of our cost-share waiver.
 - c. Mott MacDonald has prepared the technical specifications for the well drilling. We are working to advertise the work for bids as soon as possible but is impacted by the timing

of the grant agreement. Drilling work will begin this year, but the wells will not be online in 2023 based on the timeline required to drill the well, design and permit improvements, and then build the wellhouses and associated facilities.

- d. Based on funding requirements, we have advertised for professional services to support the well drilling work and are recommending to enter a contract with Mott MacDonald.
7. Defense Community Compatibility Account (DCCA) – In late 2022, applications were submitted four grant funding requests for 5 wells. All of our proposed projects scored very well, ranking projects 3, 4, 5, and 6 on the list. The request for the K-3 and G-4 wells are included in the Governor’s funding request in the biennial budget being debated now. but one condition of the program is that Federal funding be in place for the projects. There are ongoing efforts to request additional funding for this program so that more projects can be funded. Through the debate process, other projects were also proposed for funding instead of the Governor’s project list. We won’t know the final projects to be funded until the State Capital budget is passed at the end of April. We have been in contact with DCCA staff and funding may be available as soon as September 2023 if our projects make the final list.
8. We submitted four applications to the State Department of Health’s Drinking Water State Revolving Fund (DWSRF) program in late November. As discussed at the January 19, 2023, Board of Commissioners meeting, we are continuing along the process to secure a total of \$8.2 million of low interest loans to fund construction of two replacement wells – one at our Oakbrook site (\$4.1 million), and one well at the Hipkins site (\$4.1 million). We recently received award letters which offer a 20-year term and 2.25 percent interest rate, significantly lower than current municipal bond rates. Once the State Capital budget is passed, we will receive the final details of the loan offers and will present them to the Board for approval.

Water Quality

Operations

1. The field crew completed monthly water quality samples.
2. PFAS testing continues throughout the system.

Maintenance

1. Field crews continue to work on preventative maintenance tasks.
2. We have ordered materials required to regenerate the filter media at the Deepwood Well site to restore its iron and manganese removal efficiency.

Capital Projects

1. EPA published its proposed PFAS MCLs in March and is anticipated to finalize the rule in late 2023 or early 2024. The proposed MCLs are significantly lower than the State’s action levels, which are currently in effect. Based on the proposed rule language, water systems would have three years after the rule if finalized to be in compliance. Based on the draft MCLs, we would have four more wells impacted – D-3, E-3, J-1, and J-3. Taking these wells offline would result in a supply capacity loss of approximately 4 million gallons per day. We have already begun looking into options to address these wells, which will likely involve a combination of treatment systems and replacement wells. The proposed rule is still in public comment period and may be altered in its final form or have a delayed implementation schedule.
2. EPA released its guidance document on how to conduct a lead service line inventory in early August and in January, the state DOH issued additional guidance. We are using those documents to develop a plan to complete our initial inventory as required by the rule. We will use this plan to support our application for grant funds to complete the inventory.

3. Using District and County information, we estimate approximately 12,350 of the 18,500 services in the District were installed prior to 1988, when lead components were no longer allowed in water plumbing. Staff will continue to review records to complete our service line inventory, which is due in October 2024.

Pumping

Operations

1. 100 percent of pump station capacity is online. Wholesale pump stations are supplying approximately 5 MGD.
2. The 104th Street Booster Station was repaired in March due to a failed coupling and bad motor bearing. The pump station is back in service now.

Maintenance

1. Field crews continue to work on preventative maintenance tasks.
2. To prevent potential damage to the Wholesale Pump Station 1 equipment, pump inlet screens were ordered and scheduled to be installed in mid-March. When the contractor was on-site, they determined they ordered the wrong parts. New parts are being fabricated now and are scheduled to be installed in late April.

Capital Projects

1. ShakeMonitor sensors for the Steilacoom Boulevard site were installed in early April. Staff met and developed a control scheme for water system automation to reduce equipment damage and retain stored water during an earthquake. The next step is to work with our SCADA provider to further develop automatic controls to take the desired steps based on the ShakeMonitor signal.

Storage

Operations

1. 100 percent of storage capacity is online.

Maintenance

1. Field crews continue to work on preventative maintenance tasks.

Capital Projects

1. Nyanza Tank Cathodic Protection System
 - a. A cathodic protection system for the new Nyanza Tank is being designed and will be installed in the spring. The cathodic protection system will help increase the service life of the facility and will be similar to the other systems at our other steel tanks.
2. Seismic retrofits of Washington Boulevard Tank and 104th and Bridgeport Tank
 - a. This budgeted project includes design of improvements in 2023. This work will help to improve the seismic resiliency of these two important tanks and resolve the deficiencies documented in the 2017 study of our storage facilities. We are still early in the scope development of the project, and selected RH2 Engineering as the engineering consultant for the project.



IT Manager's Report
April 20, 2023
Board of Commissioners Meeting

CYBER SECURITY UPDATE

There is 1 minor Cyber Security Issue to report.

- All Penetration Testing results for February came back with zero findings.
- The March Spam testing campaign resulted in 1 employee clicking on the test link. The user completed additional training.
- All operations networks are patched up to date and report no suspicious activity.
- All production devices and networks are patched up to date and reporting no suspicious activity.
- No user accounts have been flagged for suspicious activity.
- No malware has been detected on District equipment.

TECHNOLOGY UPDATE

Weekly training continues with field staff to ensure they are comfortable with elements and have a solid foundation on how to use the application. This meeting has evolved into a tech talk session between field staff and IT/GIS. I think all involved would agree it has been a valuable endeavor and plans are to continue the weekly sessions.

CELL TOWER UPDATE

Three of the four Dish sites (Washington, Steilacoom and Grant Ave) are completed, and the agreements have been executed. I expect to receive the executed agreement for the Oakbrook site in the very near future.

CROSS CONNECTION UPDATE

370 Assemblies Tested
02 New Applications
02 New Installations
02 Assemblies Replaced
14 Repairs
01 Removals
4654 Existing installations permitted.
370 Test Reports Completed & Entered
00 Disconnects for non-compliance.



Memorandum

To: Board of Commissioners
From: Christian Fast, IT Manager
Date: 4/20/2023
RE: Surplus & Disposal

The following items are for Auction or Disposal:

Auction/Disposal

Item	Qty
Cable Exercise machine (Auction/Donate or Disposal)	1
Elliptical Exercise Machine (Broken/Disposal).....	1
Abs Bench (Auction/Donate or Disposal)	1

**LAKWOOD WATER DISTRICT
SUMMARY WATER PUMPED vs WATER SOLD**

Month	2023				2022				2021				2020			
	Cubic Feet Pumped	Cubic Feet Sold	Difference	%	Cubic Feet Pumped	Cubic Feet Sold	Difference	%	Cubic Feet Pumped	Cubic Feet Sold	Difference	%	Cubic Feet Pumped	Cubic Feet Sold	Difference	%
January	41,872,076	35,603,735	6,268,341	14.97%	41,387,515	34,674,736	6,712,779	16.22%	41,220,158	36,637,933	4,582,225	11.12%	27,159,738	24,247,970	2,911,768	10.72%
February	40,676,648	40,595,194	81,454	0.20%	36,185,002	36,151,676	33,327	0.09%	36,773,025	37,339,181	(566,156)	-1.54%	36,354,899	34,981,066	1,373,833	3.78%
March	44,346,210	38,331,958	6,014,252	13.56%	40,461,436	32,837,120	7,624,316	18.84%	40,087,421	33,194,888	6,892,533	17.19%	43,862,184	35,802,043	8,060,141	18.38%
April	-	-	-	0.00%	41,117,097	37,025,639	4,091,457	9.95%	44,891,458	39,438,720	5,452,738	12.15%	46,432,964	40,884,037	5,548,927	11.95%
May	-	-	-	0.00%	45,628,927	34,539,880	11,089,046	24.30%	54,929,020	39,470,047	15,458,973	28.14%	55,684,695	41,628,051	14,056,644	25.24%
June	-	-	-	0.00%	49,768,213	41,799,240	7,968,973	16.01%	69,323,486	53,653,437	15,670,049	22.60%	57,152,119	48,327,384	8,824,735	15.44%
July	-	-	-	0.00%	75,016,041	48,363,233	26,652,807	35.53%	86,524,262	63,988,514	22,535,748	26.05%	71,659,137	47,368,813	24,290,324	33.90%
August	-	-	-	0.00%	80,450,608	66,218,472	14,232,137	17.69%	86,496,992	81,965,711	4,531,281	5.24%	77,244,887	63,879,455	13,365,432	17.30%
September	-	-	-	0.00%	67,214,677	63,459,075	3,755,602	5.59%	63,893,463	66,644,741	(2,751,278)	-4.31%	64,934,501	71,454,736	(6,520,235)	-10.04%
October	-	-	-	0.00%	53,382,302	71,000,151	(17,617,849)	-33.00%	43,912,178	64,772,184	(20,860,006)	-47.50%	46,779,040	68,624,173	(21,845,133)	-46.70%
November	-	-	-	0.00%	40,830,771	46,023,357	(5,192,586)	-12.72%	39,948,002	42,584,231	(2,636,229)	-6.60%	40,032,349	44,079,544	(4,047,195)	-10.11%
December	-	-	-	0.00%	41,341,666	43,650,688	(2,309,022)	-5.59%	40,844,005	39,804,988	1,039,017	2.54%	42,450,207	42,285,891	164,316	0.39%
TOTAL	126,894,934	114,530,887	12,364,047	9.74%	612,784,253	555,743,266	57,040,987	9.31%	648,843,471	599,494,574	49,348,897	7.61%	609,746,718	563,563,163	46,183,556	7.57%
Net loss (WER)			11,906,354	9.38%			56,583,295	9.23%			48,891,204	7.54%			45,725,863	7.50%
2022 YTD	118,033,952.63	103,663,531	14,370,421.65	12.17%												
2021 YTD	118,080,604.33	107,172,001	10,908,603.13	9.24%												

Total Number of Customers Billed

	2023	BI-MONTHLY	2022	BI-MONTHLY	2021	BI-MONTHLY	2020	BI-MONTHLY	2019	BI-MONTHLY
January	7922		7786		7781		7759		7869	
February	8743	16665	8695	16481	8576	16357	8670	16429	7069	14938
March	7922		7896		7679		7630		9143	
April		7922	8704	16600	8472	16151	8494	16124	8528	17671
May			7908		7695		7698		7799	
June		0	8733	16641	8512	16207	8492	16190	8555	16354
July			7937		7698		7707		7779	
August		0	8745	16682	8522	16220	8526	16233	8488	16267
September			7932		7720		7793		7715	
October		0	8699	16631	8524	16244	8616	16409	8467	16182
November			7914		7664		7827		7666	
December		0	8613	16527	8515	16179	8459	16286	8469	16135
BILLS YTD:		24587		24377		24036		24059		24081
YEARLY TOTAL:		24587		99562		97358		97671		97547

**CUBIC FEET SOLD PER CLASS
2023**

	fire Mtr	commercial	multi units	residential	schools	Parks /Irrigation	school swim pool							WHSL	TOTAL
	FM/MISC	1C/CR	MUR	1R	1S/1S2	1PK	1SP	TOTAL INTERNAL	STEILACOOM	SUMMIT	WA WATER	FIRGROVE	SPANAWAY	SUBTOTAL	CU FT SOLD
January		2,733,100	5,973,200	8,069,700	275,400	71,800		17,123,200	1,585,200	4,544,179	5,965,780	5,363,320	1,022,056	18,480,535	35,603,735
February	1,400	2,791,000	9,412,500	8,154,500	155,300	32,400		20,547,100	1,392,700	4,710,333	5,388,451	4,797,621	3,758,989	20,048,094	40,595,194
March		2,762,600	5,729,500	7,680,200	332,000	56,700		16,561,000	1,603,200	5,202,647	5,960,701	4,826,761	4,177,650	21,770,958	38,331,958
April								-	-	-	-	-	-	-	-
May								-	-	-	-	-	-	-	-
June								-	-	-	-	-	-	-	-
July								-	-	-	-	-	-	-	-
August								-	-	-	-	-	-	-	-
September								-	-	-	-	-	-	-	-
October								-	-	-	-	-	-	-	-
November								-	-	-	-	-	-	-	-
December								-	-	-	-	-	-	-	-
Total YTD	1,400	8,286,700	21,115,200	23,904,400	762,700	160,900	-	54,231,300	4,581,100	14,457,158	17,314,931	14,987,702	8,958,695	60,299,587	114,530,887

2022 YTD	52,129,000	4,753,352	12,631,333	20,709,531	13,440,315	-	51,534,531
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2021 YTD	53,242,300	4,243,964	18,270,017	17,582,676	13,833,044	-	53,929,701
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vs 2022	104.03%	96.38%	114.45%	83.61%	111.51%		117.01%
vs 2021	101.86%	107.94%	79.13%	98.48%	108.35%		111.81%