

AUBURN WATER DISTRICT

Office Telephone # 784-6469

The regular monthly meeting of the Trustees of the Auburn Water District will be held **at the office of the Auburn Water District, 268 Court Street, on Wednesday, June 21, 2023 at 4:00 P.M.**

Regular Meeting Agenda

1. Approve Minutes of Regular Meeting of May 17, 2023.
2. Executive Session in accordance with 1 M.S.R.A. § 405 (6) (E) to discuss legal matter.
3. Financial Report Update - Katie Johnston.
4. Ratify Payment of Bills
5. Public Comment
6. Activity Report/Project Update - Mike Broadbent
 - Dunn Street Approval
7. Old Business
 - Sustainable Water Supply Alternatives
 - Lake Auburn Watershed Protection Commission Update.
 - Water Quality Update
 - 2022 Audit
8. New Business
 - 2023 Lead Assistance Grant
 - Formation of Ad-Hoc Committee, Watershed Protections.
9. Trustee Open Session
10. Executive Session in accordance with 1 M.S.R.A. § 405 (6) (A) to discuss a personnel matter.
11. Adjourn Regular Meeting

Upcoming: Water Trustee Meeting, July 19, 2023 4:00PM

Memo

To: Water & Sewerage District Trustees
From: Michael Broadbent, Superintendent
CC: Files
Date: 6/15/2023
Re: Discussion of June Agenda Items

Water Trustees

Financial Report Highlights

Water sales are down 2.5% from this time last year leaving a \$28k variance in metered revenue. Overall, there's a \$75k variance in expenses. Capital work is in full swing, The District has spent \$448k through the end of May on projects. The month ended with \$3.26 million cash on hand.

- A. Capital expenditures have come in significantly higher than we projected this year. There are several factors that have increased costs; labor, paving, materials and the timing of the projects. At this point we have exceeded our anticipated budget for Hotel Road (double) and the material costs alone for Second Street exceeded 50% for that project's allowance. I anticipate we will exceed our anticipated capital budget by around \$500,000.

Project Update

The Hotel Road project is nearly complete. The remaining work includes tying Royal Avenue to the 20" main, some paving, loaming, and seeding. The project has exceeded its budgeted amount because of workforce shortages, multiple projects running in conjunction with one another, unforeseen work, increased cost of labor and increased cost of materials.

Vernon & Grove Area - 245 feet of 6" unlined cast iron main on Parker Street has been removed and new 8" Bionax main installed. 250 feet of 8" unlined cast iron main on Blake Street has been removed and 8" Bionax main installed. Currently, crews are preparing to remove 250 feet of 8" unlined cast iron main on Rowe Street. The water crews are approximately two weeks ahead of Gendron & Gendron who is the contractor for the Auburn Recondition Project.

Second Street - Water crews have started preliminary work on the Second Street Project to ensure the section is prepared for Gendron & Gendron. Gendron & Gendron has been contracted through the city to relay approximately 720ft of 8" unlined cast iron main and install 8" PVC main. Gendron & Gendron has an anticipated start of mid to late July. The Gas Company relocated their main that was directly on top of the water main.

Old Business

Sustainable Water Supply Alternatives

The Sub-Committee met on June 15th and reviewed a ground water investigation proposal to look for potential ground water sources throughout our distribution system.

Lake Auburn Watershed Protection Commission Update.

CDM Smith discussed the preliminary findings of the Gracelawn Watershed Boundary investigation with staff and members of the Drinking Water Program. CDM Smith converted all data and information into a 3D model which is used to compare data with the physical characteristics of the land. The DWP voiced their concern that the 2007 Summit Report was missing a stratigraphy summary. This leaves them with a question on the flow of ground water and why they requested further information.

Water Quality Update

Water quality is looking better. Turbidity is trending down and SECCHI has come up to an 8.5 in the lake from a low of 3.5 this Spring. We are seeing significant phosphorous numbers from tributaries especially in the Townsend Brook Watershed. The lake elevation graph tells the extreme weather event story. We commissioned the new turbidity analyzer last Friday. It is reading 0.1 NTU higher than the 1720E's and has some interference with the room lights so we will be putting those on a switch and not motion detect as it is now.

2022 Audit

The 2022 Audit is complete. I have paper copies available.

New Business

2023 Lead Assistance Grant

The Maine Drinking Water Program has available funds to assist water systems with projects associated with the Lead and Copper Rule Revision. The revision requires all systems to complete a Lead Service Line inventory by October of 2024 which includes portions of services that are on private property. This, in many cases, will require excavation and the most efficient way to conduct these excavations is hydro-excavation. I submitted an application on behalf of the District for a vector truck to complete these excavations. At this time the State is offering 0% loans with 55% principal forgiveness. There have already been a number of Grants given to utilities around the State.

Sewer Trustees

Financial Report Highlights

Metered revenue is down a bit from this time last year, \$1,904. The variance in expenses is driven by inventory to lower, raise and repair manholes. May ended just below \$1.7 million cash on hand.

Project Update

The lining project contracted through Green Mountain began on May 22nd and is in full swing. Green Mountain has identified multiple locations requiring repairs and or manholes, with the bulk of the work on Washington Street & Second Street. Currently 4,000 feet of the planned 8,500 feet sewer main has been lined. Crews lowered manholes on Mill Street in preparation of milling. The valve pits on Taylor Pond have been pumped and a new telemetry radio has been installed at Washington Street Pump Station. Pump #2 at the River Pump Station has been pulled and sent to Champlin Associates for repairs after experiencing a failure. The spare pump was installed and will be used until repairs are completed on Pump #2. Pump #1 at Lewiston Junction was removed and sent to Stevens Electric & Pump Service for repairs as well.

New Business

Review Draft Audit and approve: The Audit management letter had two specific recommendations; develop a policy for routine accounting practices and reconcile all general ledger accounts in a timely manner. The policy on accounting practices is in

my opinion an easy fix. I feel that as the new Finance Director learns the roles here at the District, our practices can be outlined in an SOP format. This will help ensure nothing falls through the cracks in the future. Currently the District reconciles its ledger annually. Monthly reconciliations would be extremely difficult given our current structure. After discussing this with Tanya, we would like to recommend quarterly reconciliations. I support approval of the Draft Audit and implementing these recommendations.

Lead Assistance Grant

See above comment under AWD

Old Business

Washington Street Pumping Station Design

Wright-Pierce gave an overview of the geo-technical work and some of their preliminary thoughts on the Washington Street Pumping Station.

Fiscal Sustainability Plan

We met with Wright-Pierce and went over the progress on the Fiscal Sustainability Plan. They presented us with a collection system inventory and assessment and have asked that we review the rating criteria and make sure they appropriately prioritized projects. This will be an extremely useful tool for the District to plan and budget for projects. The report is expected to be completed by the end of this summer.

May 17, 2023

The regular monthly meeting of the Trustees of the Auburn Water District was held at 268 Court Street, Auburn, Maine on Wednesday, May 17, 2023 at 4:00 p.m.

Members present: Kevin Arel, Dan Bilodeau, Robert Cavanagh, Eric Gould, Stephen Milks, President and Mayor's Representative and Andrew Titus, Treasurer. Also present: Michael Broadbent, Superintendent, Matt Waite, Assistant Superintendent and Tanya Dunn, Finance Manager.

Members absent: Jason Pawlina

APPROVE MINUTES OF REGULAR MEETING of April, 19, 2023

On a motion of Kevin Arel, seconded by Robert Cavanagh, it was unanimously voted: **To accept the minutes of the Regular Meeting.**

On a motion of Dan Bilodeau, seconded by Kevin Arel, it was unanimously voted: **To suspend the rules to swap the order of agenda items 2 and 3.**

FINANCIAL REPORT UPDATE

Water sales are down 3.5% from this time last year, leaving a \$25,000 variance in metered revenues. Capital work is in full swing. The District has spent \$180,000 through the end of the month. April ended with \$3.3 million cash on hand.

EXECUTIVE SESSION IN ACCORDANCE with 1 M.S.R.A. § 405 (6) (E) to DISCUSS A LEGAL MATTER

On a motion of Robert Cavanagh, seconded by Eric Gould, it was unanimously voted: **To move into executive session.**

RATIFY PAYMENT OF BILLS

On a motion of Robert Cavanagh, seconded by Kevin Arel, it was unanimously voted: **To ratify payment of bills in the amount of \$477,346.89 as shown on the printout dated April 1, 2023 – April 30, 2023.**

PUBLIC COMMENT

Stephen Beale commented on the power of Holly Euwings recent study of Lake Auburn.

ACTIVITY REPORT / PROJECT UPDATE

Service box repairs are catching up from winter. The Sewer District is down two operators.

Projects are ahead of schedule. Hotel Road already has 1 mile of pipe transferred over. Vernon and Grove Streets are next on the schedule.

Stable Ridge has not been officially turned over to the District. They are waiting on a backup for the PLC software.

OLD BUSINESS

Sustainable Water Supply Alternative

The Sustainable Water Supply Alternative Committee is waiting on a proposal from Weston & Sampson to explore sustainable ground water supplies within 1 mile of AWD infrastructure.

May 17, 2023

Lake Auburn Watershed Protection Commission Update

The Lake Auburn Watershed Protection Commission, LAWPC, is updating it's Watershed Management Plan and developing internal by-laws.

On motion of Jason Pawlina, seconded by Dan Bilodeau, it was unanimously voted: **To support the direction and content of Superintendent Broadbent's letter of recommendation on Watershed items, included in the agenda packet.**

Water Quality Update

The heavy rain in April caused the water to overflow the splash boards at the dam and washed a lot of nutrients into the Lake. We are watching the Lake closely. This could cause problems as the temperatures warm up. The new box culvert on the Tot Lot Road used to be a bottleneck of Townsend Brook and make the flow slow down. The water now flows freely and is causing issues on Lake Shore Drive.

NEW BUSINESS

2022 Draft Audit

On motion of Andrew Titus, seconded by Kevin Arel, it was unanimously voted: **To accept the Draft Audit of 2022.**

Draft Lake Watershed-Based Protection Plan, Superintendent Summary

Superintendent Broadbent included a memo in the agenda packet endorsing the plan.

TRUSTEE OPEN SESSION

As no Trustee had comment, the Trustee Open Session was closed.

On a motion of Dan Bilodeau, seconded Robert Cavanagh, it was unanimously voted: **To adjourn.**

Respectfully submitted,

Tanya Dunn

**AUBURN WATER DISTRICT
OPERATING STATEMENT - TRUSTEES' REPORT
FIVE MONTHS ENDED MAY 31, 2023**

	May	2023	Y-T-D May 2023		
	YTD - 2022	BUDGET	ACTUAL	BUDGET	VARIANCE
REVENUES:					
Water Sales	\$1,171,216	\$2,951,442	\$1,147,552	\$1,175,740	-\$28,189
Rent income	32,083	80,424	31,613	33,510	-1,897
Interest Income	3,689	11,554	15,277	4,814	10,463
Mdse. & Jobbing - NET	66,217	55,812	20,753	23,255	-2,502
Hydrant Rental	340,742	817,781	340,742	340,742	0
Private Fire Prot.	185,348	444,027	191,891	185,011	6,879
Misc. Op. Revenue	38,470	96,852	32,543	40,355	-7,812
TOTAL REVENUES	1,837,765	4,457,892	\$1,780,371	\$1,803,428	-\$23,057
			40%	42% < Standard	
EXPENSES:					
Payroll	425,538	1,039,534	\$458,190	\$457,682	\$508
Treatment:					
UV Treatment Plant	141,650	431,059	\$211,266	\$179,608	\$31,658
Chloramine Facility	4,016	17,704	\$9,588	\$7,377	\$2,212
Laboratory	8,096	42,756	\$5,405	\$17,815	-\$12,410
Trans & Dist Maint:					
Maint of Mains	80,350	100,000	\$40,013	\$41,667	-\$1,654
Dist System	53,762	118,045	\$58,986	\$49,185	\$9,801
Other	5,773	22,983	\$4,623	\$9,576	-\$4,953
Administration:					
Employee Benefits	152,228	433,071	\$140,688	\$180,446	-\$39,758
Legal & Accounting	15,033	70,000	\$44,109	\$29,167	\$14,942
Customer Billing	14,223	27,016	\$15,465	\$11,257	\$4,209
Insurances	32,408	63,127	\$35,692	\$26,303	\$9,389
Other	25,465	64,534	\$36,078	\$26,889	\$9,189
Vehicles	50,422	117,826	\$52,009	\$49,094	\$2,914
Gull Management	34,083	63,320	\$36,042	\$26,383	\$9,658
Lake Auburn Watershed	31,580	85,000	\$74,730	\$35,417	\$39,313
SUB-TOTAL	1,074,627	2,695,975	\$1,222,884	\$1,147,865	\$75,019
			45%	42% < Standard	
Interest	46,566	151,680	\$63,500	\$63,200	\$300
TOTAL EXPENSES	1,121,193	2,847,655	\$1,286,385	\$1,211,065	\$75,319
Bonds - Principal Payments	113,950	753,709	\$0	\$314,045	-\$314,045
SURPLUS FROM OPERATIONS	602,622	856,528	\$493,986	\$278,317	\$215,669

**AUBURN WATER DISTRICT
BALANCE SHEET
PERIOD ENDING - May 31, 2023**

	<u>5/31/2023</u>	<u>12/31/2022</u>		<u>5/31/2023</u>	<u>12/31/2022</u>
Property, Plant and Equipment:			Capitalization:		
Plant in Service	40,861,027.90	40,875,998.39	Retained Earnings	18,197,596.68	17,014,159.18
Less: Accumulated Depreciation	<u>(15,399,819.45)</u>	<u>(15,115,766.81)</u>	Current Year Earnings	277,885	1,181,631.65
Construction Work in Progress	25,461,208.45	25,760,231.58		<u>18,475,481.33</u>	<u>18,195,790.83</u>
	447,441.47	56,811.14	Bonds	5,968,060.97	6,082,336.35
Net Utility Plant	25,908,649.92	25,817,042.72	Total Capitalization	<u>24,443,542.30</u>	<u>24,278,127.18</u>
Current Assets:			Current Liabilities:		
Cash & Working Funds	3,259,116.61	3,354,884.79	Accounts Payable	202,269.74	97,253.60
Accounts Receivable - Net	592,583.56	399,255.02	Customer Deposits	15,350.00	14,595.00
Prepayments	52,207.76	25,357.99	Accrued Interest	14,429.61	27,835.18
Inventory	179,810.20	140,802.26	Miscellaneous Liabilities	119,775.06	110,024.96
Total Current Assets	<u>4,083,718.13</u>	<u>3,920,300.06</u>	Total Current Liabilities	<u>351,824.41</u>	<u>249,708.74</u>
Investment CD	1,008,656.66	1,005,268.91	Equipment Leases	115,836.06	135,170.98
Deferred Debits:			Contributions in Aid	6,105,203.53	6,099,051.38
2014 Intake Cleaning	15,381.59	19,446.59	Total Equity Capital and Liabilities	<u>31,016,406.30</u>	<u>30,762,058.28</u>
Total Assets	<u>31,016,406.30</u>	<u>30,762,058.28</u>			

Auburn Water District
Accounts Payable Check Register
May 1, 2023 thru May 31, 2023

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
2	5/5/2023	4	Redlon & Johnson	4/28/2023		-700.00
					Credit-Wrong Vendor Accounting & Audit	
2	5/5/2023	4	Redlon & Johnson	4/28/2023		700.00
					Progress Billing Accounting & Audit	
						<u>0.00</u>
19207	5/5/2023	5	Derek Thone	1/31/2023		-30.00
					Void & Reissue Chk 19207 Telephone - Treatment	
						<u>-30.00</u>
19551	5/5/2023	5	Kohl Meyers	5/3/2023		160.89
					Refund Final Overpd A/R - Customers Accts Rec	
						<u>160.89</u>
19552	5/5/2023	4	AMCOig	4/11/2023		3,590.00
					Online Analyzer A/R - Lewiston	
19552	5/5/2023	4	AMCOig	4/11/2023		3,590.00
					Online Analyzer UV Treatment Plant - O&M	
						<u>7,180.00</u>
19553	5/5/2023	5	Amos Development	5/3/2023		13,600.00
					Contracted Labor/Equip 22-23 HotelRd Main Elimination	
						<u>13,600.00</u>
19554	5/5/2023	5	Androscoggin Registry Of	5/5/2023		22.00
					release lien Misc Expense-Collections	
						<u>22.00</u>
19555	5/5/2023	4	City of Auburn	4/21/2023		240.00
					Traffic Detail - Liner Proj A/R - Auburn Sewer	
19555	5/5/2023	4	City of Auburn	4/21/2023		240.00
					Traffic Detail - Turner Outside Services - Services	
						<u>480.00</u>
19556	5/5/2023	5	Michael Broadbent	5/1/2023		175.00
					Mileage A/R - Auburn Sewer	
19556	5/5/2023	5	Michael Broadbent	5/1/2023		175.00
					Mileage Misc Expense-T&D Ops	
						<u>350.00</u>
19557	5/5/2023	5	Budget Document Technology	4/27/2023		102.87
					Copier Lease A/R - Auburn Sewer	

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19557	5/5/2023	5	Budget Document Technology	4/27/2023	Copier Lease Misc Expense-A&G Office	102.86
						<u>205.73</u>
19558	5/5/2023	4	Coastal Auto Parts	4/30/2023	Jumper Cables-UV UV Treatment Plant - O&M	26.94
19558	5/5/2023	4	Coastal Auto Parts	4/30/2023	Windshield Wash A/R - Auburn Sewer	14.67
19558	5/5/2023	4	Coastal Auto Parts	4/30/2023	Windshield Wash Supplies - T&D - Ops	14.67
19558	5/5/2023	4	Coastal Auto Parts	4/30/2023	Seat Covers TRUCK #23 (2004 GMC DUMP)	34.78
19558	5/5/2023	4	Coastal Auto Parts	4/30/2023	Lamp - Trk 37 A/R - Auburn Sewer	39.07
19558	5/5/2023	4	Coastal Auto Parts	4/30/2023	Jumper Cables-UV A/R - Lewiston	26.95
						<u>157.08</u>
19559	5/5/2023	4	Constellation NewEnergy, Inc.	5/1/2023	S. Goff St Accrued Power	18.10
19559	5/5/2023	5	Constellation NewEnergy, Inc.	4/27/2023	UV#2 Accrued Power	7,537.65
						<u>7,555.75</u>
19560	5/5/2023	4	CGIS Solutions	12/21/2022	Host Fees Jul-Dec2022 A/R - Auburn Sewer	600.00
19560	5/5/2023	4	CGIS Solutions	12/21/2022	Host Fees Jul-Dec2022 Misc Expense-A&G Office	600.00
						<u>1,200.00</u>
19561	5/5/2023	4	The Computer Place	3/13/2023	A/R - Auburn Sewer	33.75
19561	5/5/2023	4	The Computer Place	5/1/2023	A/R - Auburn Sewer	365.63
19561	5/5/2023	4	The Computer Place	4/1/2023	A/R - Auburn Sewer	393.63

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19561	5/5/2023	4	The Computer Place	3/31/2023	IT Support Outside Services - A&G	67.50
19561	5/5/2023	4	The Computer Place	3/27/2023	A/R - Auburn Sewer	202.50
19561	5/5/2023	4	The Computer Place	3/16/2023	A/R - Auburn Sewer	33.75
19561	5/5/2023	4	The Computer Place	3/31/2023	A/R - Auburn Sewer	67.50
19561	5/5/2023	4	The Computer Place	3/28/2023	IT Support Outside Services - A&G	101.25
19561	5/5/2023	4	The Computer Place	3/16/2023	IT Support Outside Services - A&G	33.75
19561	5/5/2023	4	The Computer Place	3/17/2023	A/R - Auburn Sewer	101.25
19561	5/5/2023	4	The Computer Place	3/28/2023	A/R - Auburn Sewer	101.25
19561	5/5/2023	4	The Computer Place	3/27/2023	IT Support Outside Services - A&G	202.50
19561	5/5/2023	4	The Computer Place	3/17/2023	IT Support Outside Services - A&G	101.25
19561	5/5/2023	4	The Computer Place	3/13/2023	IT Support Outside Services - A&G	33.75
19561	5/5/2023	4	The Computer Place	4/26/2023	A/R - Auburn Sewer	101.25
19561	5/5/2023	4	The Computer Place	4/24/2023	IT Support Outside Services - A&G	50.62
19561	5/5/2023	4	The Computer Place	4/27/2023	IT Support Outside Services - A&G	33.75
19561	5/5/2023	4	The Computer Place	4/26/2023	IT Support Outside Services - A&G	101.25

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19561	5/5/2023	4	The Computer Place	5/1/2023	IT Support Outside Services - A&G	365.62
19561	5/5/2023	4	The Computer Place	5/1/2023	A/R - Auburn Sewer	10.05
19561	5/5/2023	4	The Computer Place	5/1/2023	IT Support Outside Services - A&G	10.05
19561	5/5/2023	4	The Computer Place	4/24/2023	A/R - Auburn Sewer	50.63
19561	5/5/2023	4	The Computer Place	4/1/2023	IT Support Outside Services - A&G	393.62
19561	5/5/2023	4	The Computer Place	4/27/2023	A/R - Auburn Sewer	33.75
						<u>2,989.85</u>
19563	5/5/2023	5	Dig Safe System, Inc.	5/1/2023	A/R - Auburn Sewer	273.35
19563	5/5/2023	5	Dig Safe System, Inc.	5/1/2023	May Ops Misc Expense-Mains	273.35
						<u>546.70</u>
19564	5/5/2023	4	Greeley's Garage	4/19/2023	Insp Sticker & Muffler TRUCK #23 (2004 GMC DUMP	815.08
						<u>815.08</u>
19565	5/5/2023	4	Home Depot Credit Services	4/23/2023	A/R - Auburn Sewer	266.29
19565	5/5/2023	4	Home Depot Credit Services	4/23/2023	Misc Tools Supplies - T&D - Ops	266.28
19565	5/5/2023	4	Home Depot Credit Services	4/23/2023	Supplies - E3 A/R - Auburn Sewer	38.32
19565	5/5/2023	4	Home Depot Credit Services	4/23/2023	Supplies A/R - Lewiston	75.95
19565	5/5/2023	4	Home Depot Credit Services	4/23/2023	Buoy Line, etc Watershed Expenses	476.89

Auburn Water District Accounts Payable Check Register May 1, 2023 thru May 31, 2023
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19565	5/5/2023	4	Home Depot Credit Services	4/23/2023	Supplies 2023 UV Turbidimeter	75.94
						<u>1,199.67</u>
19566	5/5/2023	4	MissionSquare	4/30/2023	304412 ICMA 457 Accrued - Deferred Comp	2,910.26
						<u>2,910.26</u>
19567	5/5/2023	4	MissionSquare	4/30/2023	109636 ICMA 401 Employee Benefits	4,982.60
						<u>4,982.60</u>
19568	5/5/2023	4	MissionSquare	4/30/2023	705328 Roth IRA Accrued - IRA/ICMA	1,146.45
						<u>1,146.45</u>
19569	5/5/2023	4	K. L. Jack & Co., Inc.	4/13/2023	A/R - Auburn Sewer	32.51
						<u>32.51</u>
19569	5/5/2023	4	K. L. Jack & Co., Inc.	4/13/2023	Sawsall Blades Supplies - T&D - Ops	32.51
						<u>65.02</u>
19570	5/5/2023	5	Lake Auburn Watershed Comm.	5/1/2023	May Pymt Watershed Expenses	7,083.33
						<u>7,083.33</u>
19571	5/5/2023	4	Maine Oxy-Acetylene Co.	4/11/2023	Carbon Dioxide Chemical Expense	4,308.68
						<u>4,308.68</u>
19572	5/5/2023	4	Ness Oil Co.	4/30/2023	TRUCK #48 (2020 CHEVY COL	163.14
						<u>298.33</u>
19572	5/5/2023	4	Ness Oil Co.	4/30/2023	TRUCK #45 (2019 CHVY SILVE	298.33
						<u>584.88</u>
19572	5/5/2023	4	Ness Oil Co.	4/30/2023	A/R - Auburn Sewer	584.88
						<u>371.51</u>
19572	5/5/2023	4	Ness Oil Co.	4/30/2023	A/R - Auburn Sewer	371.51
						<u>371.51</u>
19572	5/5/2023	4	Ness Oil Co.	4/30/2023	April Fuel Supplies - T&D - Ops	371.51

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19572	5/5/2023	4	Ness Oil Co.	4/30/2023		234.18
					TRUCK #47 (2019 FORD 3/4 TC	
19572	5/5/2023	4	Ness Oil Co.	4/30/2023		1,033.47
					TRUCK #51 (2022 FORD 1-TON	
19572	5/5/2023	4	Ness Oil Co.	4/30/2023		827.41
					TRUCK #42 (2006 Volvo)	
19572	5/5/2023	4	Ness Oil Co.	4/30/2023		679.75
					TRUCK #38 (2015 FORD F250)	
19572	5/5/2023	4	Ness Oil Co.	4/30/2023		101.75
					TRUCK # 33 (2012 FORD TRUC	
19572	5/5/2023	4	Ness Oil Co.	4/30/2023		356.97
					TRUCK #39 (2015 FORD F250)	
19572	5/5/2023	4	Ness Oil Co.	4/30/2023		48.63
					Rental Vehicles	
19572	5/5/2023	4	Ness Oil Co.	4/30/2023		930.73
					A/R - Auburn Sewer	
19572	5/5/2023	4	Ness Oil Co.	4/30/2023		385.26
					TRUCK #41 (2016 CHVY SILVR	
						<u>6,387.52</u>
19574	5/5/2023	4	Petro's	4/13/2023		31.99
					Misc Tool - Trk 38	
					Supplies - T&D - Ops	
19574	5/5/2023	4	Petro's	4/13/2023		43.96
					Concrete Mix E-3	
					A/R - Auburn Sewer	
						<u>75.95</u>
19575	5/5/2023	4	Pro-Tech Refrigeration	4/13/2023		213.77
					Generator Repairs	
					Chloramine Facility - O&M	
19575	5/5/2023	4	Pro-Tech Refrigeration	4/13/2023		213.77
					Generator Repairs	
					A/R - Lewiston	
						<u>427.54</u>
19576	5/5/2023	4	RHR Smith & Co	4/28/2023		700.00
					Progress billing	
					Accounting & Audit	
						<u>700.00</u>

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19577	5/5/2023	4	Spencer Group	4/19/2023	Patching Services Outside Services - Services	240.00
19577	5/5/2023	4	Spencer Group	4/17/2023	Patching Main Breaks Outside Services - Mains	6,813.00
19577	5/5/2023	4	Spencer Group	4/18/2023	Patching Services Outside Services - Services	2,199.00
19577	5/5/2023	4	Spencer Group	4/18/2023	Patching Main Breaks Outside Services - Mains	2,652.60
19577	5/5/2023	4	Spencer Group	4/24/2023	Patching Main Breaks Outside Services - Mains	1,800.00
19577	5/5/2023	4	Spencer Group	4/19/2023	Patching Main Breaks Outside Services - Mains	4,032.60
19578	5/5/2023	4	Staples Credit Plan	4/27/2023	Copier Paper & misc Supplies A/R - Auburn Sewer	<u>17,737.20</u> 121.99
19578	5/5/2023	4	Staples Credit Plan	4/27/2023	Copier Paper & misc Supplies Supplies - A&G - Office	121.98
19579	5/5/2023	5	Derek Thone	1/31/2023	Jan Cell Telephone - Treatment	<u>243.97</u> 30.00
19580	5/5/2023	4	U.S. Cellular	4/16/2023	April Cell Phone Telephone - Treatment	<u>30.00</u> 30.00
19580	5/5/2023	4	U.S. Cellular	4/16/2023	April Cell Phone A/R - Lewiston	20.00
19580	5/5/2023	4	U.S. Cellular	4/16/2023	April Cell Phone A/R - Auburn Sewer	275.85
19580	5/5/2023	4	U.S. Cellular	4/16/2023	April Cell Phone A/R - Lewiston	20.00
19580	5/5/2023	4	U.S. Cellular	4/16/2023	April Cell Phone Misc Expense-T&D Ops	275.84
						<u>621.69</u>

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19581	5/5/2023	4	Voyager Networks New England	5/1/2023		39.00
					Answr Service Misc Expense-A&G Office	
19581	5/5/2023	4	Voyager Networks New England	5/1/2023		39.00
					Answr Service A/R - Auburn Sewer	
						<u>78.00</u>
19582	5/12/2023	5	Edward Mendenhall	5/12/2023		200.00
					Ref Credit Bal Closing A/R - Customers Accts Rec	
						<u>200.00</u>
19583	5/12/2023	5	Atlantic Home Solutions	5/12/2023		15.25
					Refund-Final Overpd A/R - Customers Accts Rec	
						<u>15.25</u>
19584	5/12/2023	5	Ace Detective & Security	5/1/2023		1,896.38
					traffic control 22-23 HotelRd Main Elimination	
						<u>1,896.38</u>
19585	5/12/2023	5	Amos Development	5/11/2023		3,400.00
					Mill St - DOT Misc Expense-Mains	
19585	5/12/2023	5	Amos Development	5/11/2023		17,000.00
					Contracted Equip/Labor 22-23 HotelRd Main Elimination	
						<u>20,400.00</u>
19586	5/12/2023	5	Cameron Tire & Service Inc.	5/19/2023		12.50
					Insp Sticker TRUCK #47 (2019 FORD 3/4 TC	
						<u>12.50</u>
19587	5/12/2023	5	Charter Communications	5/6/2023		67.49
					A/R - Auburn Sewer	
19587	5/12/2023	5	Charter Communications	5/6/2023		67.49
					Internet Telephone-A&G Office	
						<u>134.98</u>
19588	5/12/2023	5	Constellation NewEnergy, Inc.	5/4/2023		363.70
					268 Court Accrued Power	
19588	5/12/2023	5	Constellation NewEnergy, Inc.	5/1/2023		53.17
					Ipswich Accrued Power	
19588	5/12/2023	5	Constellation NewEnergy, Inc.	5/1/2023		45.47
					Tower Rd Accrued Power	

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19588	5/12/2023	5	Constellation NewEnergy, Inc.	5/5/2023	Troy St Accrued Power	3.91
19588	5/12/2023	5	Constellation NewEnergy, Inc.	5/1/2023	E. Hardscrabble Accrued Power	182.74
						<u>648.99</u>
19589	5/12/2023	5	Dead River Company	5/2/2023	Tank #5 A/R - Lewiston	218.68
19589	5/12/2023	5	Dead River Company	5/2/2023	Tank #5 Propane Exp - UV	218.68
19589	5/12/2023	4	Dead River Company	4/25/2023	A/R - Lewiston	807.84
19589	5/12/2023	4	Dead River Company	4/25/2023	Tank 3 & 5 Propane Exp - UV	807.84
						<u>2,053.04</u>
19590	5/12/2023	4	Easy Rent-All Corp.	4/19/2023	Chipper Rental Watershed Expenses	650.00
						<u>650.00</u>
19591	5/12/2023	5	Dube Gravel Company, Inc.	5/2/2023	Screened Sand 22-23 HotelRd Main Elimination	144.00
19591	5/12/2023	5	Dube Gravel Company, Inc.	5/2/2023	Screend Loam A/R - Auburn Sewer	576.00
19591	5/12/2023	5	Dube Gravel Company, Inc.	5/2/2023	crushed gravel - 5th St Break Supplies - Mains	192.00
19591	5/12/2023	5	Dube Gravel Company, Inc.	5/2/2023	Stock-Gravel, Sand, etc Supplies - T&D - Mnt	6,012.00
						<u>6,924.00</u>
19592	5/12/2023	4	Fondriest Environmental, Inc	4/17/2023	GPS Unit A/R - Auburn Sewer	3,997.50
19592	5/12/2023	4	Fondriest Environmental, Inc	4/17/2023	GPS Unit 2023-GPS Unit	3,997.50
						<u>7,995.00</u>
19593	5/12/2023	4	Harcros Chemicals, Inc.	4/18/2023	Sod Hydro Chemical Expense	9,486.01

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						<u>9,486.01</u>
19594	5/12/2023	5	Kennebec Equip. Rental	5/8/2023		5.95
					Safety Glasses Supplies - Safety Items	
19594	5/12/2023	5	Kennebec Equip. Rental	5/8/2023		299.90
					Blades Supplies - T&D - Ops	
						<u>305.85</u>
19595	5/12/2023	5	Lake Auburn Watershed Comm.	5/9/2023		22,500.00
					Watershed Mgmt Plan - CD Smi Watershed Expenses	
19595	5/12/2023	5	Lake Auburn Watershed Comm.	5/9/2023		20,000.00
					Watershed Mgmt Plan Watershed Expenses	
						<u>42,500.00</u>
19596	5/12/2023	5	O'Connor Motor Co.-Augusta	4/11/2023		910.45
					Insp & Repairs TRUCK #50 (2022 VOLVO DUM	
						<u>910.45</u>
19597	5/12/2023	4	W. B. Mason Co., Inc.	4/20/2023		33.99
					UV - TP UV Treatment Plant - O&M	
19597	5/12/2023	4	W. B. Mason Co., Inc.	4/20/2023		34.00
					UV - TP A/R - Lewiston	
19597	5/12/2023	4	W. B. Mason Co., Inc.	4/20/2023		23.30
					A/R - Auburn Sewer	
19597	5/12/2023	4	W. B. Mason Co., Inc.	4/20/2023		23.29
					multifold towels Supplies - T&D - Ops	
						<u>114.58</u>
19598	5/12/2023	4	Traction - Genuine Parts Co.	4/5/2023		79.40
					A/R - Auburn Sewer	
19598	5/12/2023	5	Traction - Genuine Parts Co.	5/1/2023		18.96
					Hose Clamp TRUCK #23 (2004 GMC DUMP	
19598	5/12/2023	4	Traction - Genuine Parts Co.	4/5/2023		79.40
					Grease Supplies - T&D - Ops	
						<u>177.76</u>
19599	5/12/2023	5	UNITIL ME	5/1/2023		680.36
					A/R - Auburn Sewer	

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19599	5/12/2023	5	UNITIL ME	5/1/2023	268 Court St Supplies - T&D - Ops	680.35
						<u>1,360.71</u>
19600	5/12/2023	5	F. W. Webb Co.	5/2/2023	Pipe Cutter Supplies - T&D - Ops	141.27
						<u>141.27</u>
19601	5/19/2023	5	Petty Cash	5/16/2023	Hay Bales 22-23 HotelRd Main Elimination	90.00
19601	5/19/2023	5	Petty Cash	5/12/2023	Tolls, Postage Due, Etc A/R - Auburn Sewer	30.97
19601	5/19/2023	5	Petty Cash	5/12/2023	Bales Of Hay 22-23 HotelRd Main Elimination	90.00
19601	5/19/2023	5	Petty Cash	5/12/2023	Tolls, Postage Due, Etc Misc Expense-T&D Ops	30.96
						<u>241.93</u>
19602	5/19/2023	5	Ace Detective & Security	5/8/2023	traffic control 22-23 HotelRd Main Elimination	4,231.50
						<u>4,231.50</u>
19603	5/19/2023	5	Amos Development	5/11/2023	Contracted Labor/Equip 22-23 HotelRd Main Elimination	15,800.00
						<u>15,800.00</u>
19604	5/19/2023	5	Androscoggin Registry Of	5/19/2023	Placement Lien Misc Expense-Collections	24.00
						<u>24.00</u>
19605	5/19/2023	5	City of Auburn	5/8/2023	Excavation Permits Misc Expense-Mains	1,380.00
						<u>1,380.00</u>
19606	5/19/2023	5	Cindy Cass	5/12/2023	A/R - Auburn Sewer	86.64
19606	5/19/2023	5	Cindy Cass	5/12/2023	Mileage & Misc Supplies Misc Expense-T&D Ops	86.64
						<u>173.28</u>
19607	5/19/2023	5	Constellation NewEnergy, Inc.	5/8/2023	S. Goff Accrued Power	6.17

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19607	5/19/2023	5	Constellation NewEnergy, Inc.	5/10/2023	Mill St Accrued Power	1.29
						<u>7.46</u>
19608	5/19/2023	4	CGIS Solutions	5/2/2023	Host Fees Jan-Mar 2023 Misc Expense-A&G Office	300.00
19608	5/19/2023	4	CGIS Solutions	5/2/2023	Host Fees Jan-Mar 2023 A/R - Auburn Sewer	300.00
						<u>600.00</u>
19609	5/19/2023	5	The Computer Place	5/10/2023	A/R - Auburn Sewer	33.75
19609	5/19/2023	5	The Computer Place	5/8/2023	A/R - Auburn Sewer	50.63
19609	5/19/2023	5	The Computer Place	5/9/2023	Computer 2023 PLC Upgrades	3,144.99
19609	5/19/2023	5	The Computer Place	5/10/2023	IT Support Outside Services - A&G	33.75
19609	5/19/2023	5	The Computer Place	5/12/2023	IT Support Outside Services - A&G	688.48
19609	5/19/2023	5	The Computer Place	5/11/2023	IT Support Outside Services - A&G	33.75
19609	5/19/2023	5	The Computer Place	5/11/2023	A/R - Auburn Sewer	33.75
19609	5/19/2023	5	The Computer Place	5/12/2023	A/R - Auburn Sewer	688.49
19609	5/19/2023	5	The Computer Place	5/8/2023	IT Support Outside Services - A&G	50.62
						<u>4,758.21</u>
19610	5/19/2023	5	David M. Dyer dba	5/8/2023	Ongoing Repairs A/R - Lewiston	583.34
19610	5/19/2023	5	David M. Dyer dba	5/8/2023	Ongoing Repairs Misc Expense-Chloramines	583.34

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19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator Misc Expense-Reservoirs	500.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator Expenses - P.S. Booster	210.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator Equipment Maintenance	105.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator Misc Expense-WT Maint	130.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator A/R - Lewiston	130.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator-Sewer A/R - Auburn Sewer	3,620.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator Equipment Maintenance	105.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator Misc Expense-Chloramines	190.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator A/R - Lewiston	190.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator Expenses - Jobbing	210.00
19610	5/19/2023	5	David M. Dyer dba	5/4/2023	PM Generator Equipment Maintenance	150.00
						<u>6,706.68</u>
19612	5/19/2023	5	Eaton Peabody, PA	5/4/2023	Services thru 042523 Legal Expenses	3,268.50
19612	5/19/2023	5	Eaton Peabody, PA	5/4/2023	Services thru 042823 Legal Expenses	7,914.00
						<u>11,182.50</u>
19613	5/19/2023	5	Fastenal Company	5/5/2023	Ear Plugs, Gloves, Glasses A/R - Auburn Sewer	161.84

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19613	5/19/2023	5	Fastenal Company	5/10/2023		16.17
					A/R - Auburn Sewer	
19613	5/19/2023	4	Fastenal Company	4/28/2023		12.10
					A/R - Auburn Sewer	
19613	5/19/2023	4	Fastenal Company	4/28/2023		20.66
					A/R - Auburn Sewer	
19613	5/19/2023	4	Fastenal Company	4/28/2023		12.09
					batteries Supplies - T&D - Ops	
19613	5/19/2023	5	Fastenal Company	5/5/2023		161.83
					Ear Plugs, Gloves, Glasses Supplies - Safety Items	
19613	5/19/2023	5	Fastenal Company	5/5/2023		9.07
					A/R - Auburn Sewer	
19613	5/19/2023	5	Fastenal Company	5/5/2023		9.07
					batteries Supplies - T&D - Ops	
19613	5/19/2023	4	Fastenal Company	4/28/2023		20.65
					Safety Glasses Supplies - Safety Items	
19613	5/19/2023	5	Fastenal Company	5/10/2023		16.16
					Supplies Supplies - T&D - Ops	
						<u>439.64</u>
19614	5/19/2023	5	Ferguson Enterprises LLC 3326	5/1/2023		28.81
					Tapping Machine Gskt Supplies - Meters	
19614	5/19/2023	5	Ferguson Enterprises LLC 3326	5/4/2023		13.85
					Tapping Machine Gskt 22-23 HotelRd Main Elimination	
						<u>42.66</u>
19615	5/19/2023	5	FirstLight	5/7/2023		62.50
					Internet/Phone - May A/R - Lewiston	
19615	5/19/2023	5	FirstLight	5/7/2023		62.50
					Internet/Phone - May Chloramine Facility - O&M	
19615	5/19/2023	5	FirstLight	5/7/2023		62.50
					Internet/Phone - May UV Treatment Plant - O&M	

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19615	5/19/2023	5	FirstLight	5/7/2023	Internet/Phone - May Telephone-A&G Office	55.00
19615	5/19/2023	5	FirstLight	5/7/2023	Internet/Phone - May A/R - Lewiston	55.00
19615	5/19/2023	5	FirstLight	5/7/2023	Internet/Phone - May Telephone - Treatment	71.32
19615	5/19/2023	5	FirstLight	5/7/2023	Internet/Phone - May A/R - Auburn Sewer	96.21
19615	5/19/2023	5	FirstLight	5/7/2023	Internet/Phone - May A/R - Lewiston	62.50
19615	5/19/2023	5	FirstLight	5/7/2023	Internet/Phone - May Telephone-A&G Office	96.21
19615	5/19/2023	5	FirstLight	5/7/2023	Internet/Phone - May A/R - Lewiston	71.32
19616	5/19/2023	5	Fire Tech & Safety	4/19/2023	A/R - Auburn Sewer	<u>695.06</u> 248.50
19616	5/19/2023	5	Fire Tech & Safety	4/19/2023	Hazmat Fit Test Misc Expense-T&D Ops	248.50
19617	5/19/2023	4	General Alum New England Corp	4/27/2023	Aqua aide Chemical Expense	<u>497.00</u> 15,653.97
19618	5/19/2023	4	Granite State Analytical Srves	4/24/2023	April Testing Outside Services - Lab Tests	<u>15,653.97</u> 20.00
19619	5/19/2023	6	Group Dynamic Inc	5/15/2023	HRA - June Employee Benefits	<u>20.00</u> 56.00
19620	5/19/2023	4	Harcros Chemicals, Inc.	4/25/2023	Sod Hypo Chemical Expense	<u>56.00</u> 1,848.00
19620	5/19/2023	5	Harcros Chemicals, Inc.	4/18/2023	Deduct for Delivery Chg Chemical Expense	-150.00

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19620	5/19/2023	4	Harcros Chemicals, Inc.	4/25/2023	Sod Hypo Chemical Expense	7,345.65
						<u>9,043.65</u>
19621	5/19/2023	5	Kennebec Equip. Rental	5/12/2023	A/R - Auburn Sewer	119.50
19621	5/19/2023	5	Kennebec Equip. Rental	5/12/2023	Saw Blades Supplies - T&D - Ops	119.50
19622	5/19/2023	4	Bisson Enterprises, Inc. DBA	4/30/2023	April cleaning Outside Services - T&D - Mnt	<u>239.00</u> 350.00
19622	5/19/2023	4	Bisson Enterprises, Inc. DBA	4/30/2023	A/R - Auburn Sewer	350.00
19622	5/19/2023	4	Bisson Enterprises, Inc. DBA	4/30/2023	April cleaning UV Treatment Plant - O&M	206.00
19622	5/19/2023	4	Bisson Enterprises, Inc. DBA	4/30/2023	A/R - Lewiston	206.00
19623	5/19/2023	5	Life Safety Specialists, Inc.	4/27/2023	Lake Auburn Dam Training Watershed Expenses	<u>1,112.00</u> 275.00
19624	5/19/2023	5	Sun Journal	4/30/2023	Hyd Flush Notice Supplies - Hydrants	<u>275.00</u> 52.02
19624	5/19/2023	5	Sun Journal	4/30/2023	Permit Renewal A/R - Lewiston	73.54
19624	5/19/2023	5	Sun Journal	4/30/2023	Permit Renewal Misc Expense-Treatment	73.54
19625	5/19/2023	5	Intrado Interactive Services	4/30/2023	A/R - Auburn Sewer	<u>199.10</u> 50.07
19625	5/19/2023	5	Intrado Interactive Services	4/30/2023	Automated Calls Misc Expense-Collections	50.07
						<u>100.14</u>

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<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19626	5/19/2023	6	Maine Municipal Emp.Hlth.	6/1/2023		941.29
					39020 June Ins Accrued - IPP Withheld	
19626	5/19/2023	6	Maine Municipal Emp.Hlth.	6/1/2023		47.00
					39020 June Ins Accrued - Life Insurance	
19626	5/19/2023	6	Maine Municipal Emp.Hlth.	6/1/2023		-5.40
					39020 June Ins Employee Benefits	
19626	5/19/2023	6	Maine Municipal Emp.Hlth.	6/1/2023		501.52
					39020 June Ins Accrued - Dental	
						<u>1,484.41</u>
19627	5/19/2023	4	Maine Waste to Energy	4/30/2023		13.44
					bulky waste Outside Services - T&D - Ops	
19627	5/19/2023	4	Maine Waste to Energy	4/30/2023		13.44
					A/R - Auburn Sewer	
						<u>26.88</u>
19628	5/19/2023	5	Minuteman Press South Portland	5/17/2023		59.00
					Business Cards Supplies - T&D - Ops	
19628	5/19/2023	5	Minuteman Press South Portland	4/26/2023		179.00
					Green Door Hangers Supplies - A&G - Office	
						<u>238.00</u>
19629	5/19/2023	5	Omni Services, Inc.	5/1/2023		5.40
					Washers Supplies - T&D - Ops	
19629	5/19/2023	5	Omni Services, Inc.	4/26/2023		206.39
					Tool Water Crew Supplies - T&D - Ops	
						<u>211.79</u>
19630	5/19/2023	5	Petro's	5/4/2023		9.98
					Gasket Kit Supplies - Mains	
19630	5/19/2023	5	Petro's	5/8/2023		56.97
					Straw 22-23 HotelRd Main Elimination	
19630	5/19/2023	5	Petro's	5/8/2023		18.99
					Straw 22-23 HotelRd Main Elimination	
19630	5/19/2023	5	Petro's	4/28/2023		63.84
					Pipe Insulation 22-23 HotelRd Main Elimination	
						<u>149.78</u>

Auburn Water District Accounts Payable Check Register May 1, 2023 thru May 31, 2023
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<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19631	5/19/2023	5	Pine Tree Waste	5/1/2023		103.34
					A/R - Auburn Sewer	
19631	5/19/2023	5	Pine Tree Waste	5/1/2023		103.33
					Bulk Waste Outside Services - T&D - Ops	
19631	5/19/2023	5	Pine Tree Waste	5/1/2023		56.69
					Bulk Waste UV Treatment Plant - O&M	
19631	5/19/2023	5	Pine Tree Waste	5/1/2023		56.69
					A/R - Lewiston	
						<u>320.05</u>
19632	5/19/2023	5	Pitney Bowes, Inc.- Lease	5/6/2023		229.95
					Meter Rental Equipment Rentals	
19632	5/19/2023	5	Pitney Bowes, Inc.- Lease	5/6/2023		229.95
					A/R - Auburn Sewer	
						<u>459.90</u>
19633	5/19/2023	5	E.J. Prescott, Inc.	5/2/2023		552.80
					Tapping Machines Supplies - T&D - Ops	
						<u>552.80</u>
19634	5/19/2023	5	Rent-It Of Maine, Inc.	5/10/2023		783.44
					A/R - Auburn Sewer	
19634	5/19/2023	5	Rent-It Of Maine, Inc.	5/10/2023		2,615.14
					excavator rental 22-23 HotelRd Main Elimination	
19634	5/19/2023	5	Rent-It Of Maine, Inc.	5/10/2023		111.92
					excavator rental Misc Expense-Mains	
						<u>3,510.50</u>
19635	5/19/2023	5	Spencer Group	5/2/2023		2,392.80
					Patching - Main Breaks Outside Services - Mains	
19635	5/19/2023	5	Spencer Group	5/11/2023		240.00
					Patching - Sewer A/R - Auburn Sewer	
19635	5/19/2023	5	Spencer Group	5/11/2023		1,893.00
					Patching - Sewer A/R - Auburn Sewer	
19635	5/19/2023	5	Spencer Group	5/11/2023		5,571.20
					Patching 22-23 HotelRd Main Elimination	

Auburn Water District Accounts Payable Check Register May 1, 2023 thru May 31, 2023
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<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19635	5/19/2023	5	Spencer Group	5/16/2023		5,083.40
					Patching/Curb Repair 22-23 HotelRd Main Elimination	
19635	5/19/2023	5	Spencer Group	5/11/2023		9,733.20
					Patching 22-23 HotelRd Main Elimination	
						<u>24,913.60</u>
19636	5/19/2023	4	Tessco Technologies Inc	4/28/2023		247.59
					Radio Read Antennas TRUCK #48 (2020 CHEVY COL	
						<u>247.59</u>
19637	5/19/2023	4	Thayer Limited Liability Compa	4/26/2023		408.37
					Qtrly Maint Outside Services - T&D - Mnt	
19637	5/19/2023	4	Thayer Limited Liability Compa	4/26/2023		408.38
					A/R - Auburn Sewer	
						<u>816.75</u>
19638	5/19/2023	5	Unifirst Corp	3/2/2023		171.57
					Rug Maint UV Treatment Plant - O&M	
19638	5/19/2023	5	Unifirst Corp	3/2/2023		171.57
					A/R - Lewiston	
						<u>343.14</u>
19639	5/19/2023	5	USA Blue Book	4/26/2023		89.86
					Supplies UV Treatment Plant - O&M	
19639	5/19/2023	5	USA Blue Book	4/26/2023		89.86
					A/R - Lewiston	
						<u>179.72</u>
19640	5/19/2023	5	UNITIL ME	5/2/2023		218.89
					Stable Ridge Pump House Supplies - T&D - Ops	
						<u>218.89</u>
19641	5/19/2023	6	UNUM Life Insurance	5/16/2023		363.28
					June life Employee Benefits	
19641	5/19/2023	6	UNUM Life Insurance	6/1/2023		98.85
					June life A/R - Auburn Sewer	
						<u>462.13</u>
19642	5/19/2023	5	Wright-Pierce	5/4/2023		301.22
					Chg out Expenses - Jobbing	
						<u>301.22</u>

Auburn Water District Accounts Payable Check Register May 1, 2023 thru May 31, 2023
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<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19643	5/26/2023	5	Ace Detective & Security	5/15/2023		2,067.00
					traffic control Misc Expense-Mains	
19643	5/26/2023	5	Ace Detective & Security	5/15/2023		4,436.25
					Mill St - Traffic Control 22-23 HotelRd Main Elimination	
						<u>6,503.25</u>
19644	5/26/2023	5	Amos Development	5/25/2023		17,000.00
					Contracted Labor/Equip 22-23 HotelRd Main Elimination	
						<u>17,000.00</u>
19645	5/26/2023	5	Michael Barry	5/31/2023		30.00
					May Cell Phone Telephone - Treatment	
						<u>30.00</u>
19646	5/26/2023	5	Batteries Plus Bulbs-Portland	3/21/2023		205.75
					A/R - Auburn Sewer	
19646	5/26/2023	5	Batteries Plus Bulbs-Portland	3/21/2023		205.75
					UPS Batteries Supplies - T&D - Ops	
						<u>411.50</u>
19647	5/26/2023	5	Lindsay Bates	5/31/2023		30.00
					May Cell Phone Telephone - Treatment	
						<u>30.00</u>
19648	5/26/2023	6	Constellation NewEnergy, Inc.	5/18/2023		136.60
					E. Hardscrable Accrued Power	
19648	5/26/2023	6	Constellation NewEnergy, Inc.	5/15/2023		2.30
					Ipswich Accrued Power	
						<u>138.90</u>
19649	5/26/2023	5	The Computer Place	5/15/2023		118.13
					A/R - Auburn Sewer	
19649	5/26/2023	5	The Computer Place	5/15/2023		118.12
					IT Support Outside Services - A&G	
						<u>236.25</u>
19650	5/26/2023	5	Hach Company	5/9/2023		956.94
					A/R - Lewiston	
19650	5/26/2023	5	Hach Company	5/9/2023		956.93
					Supplies UV Treatment Plant - O&M	
						<u>1,913.87</u>

Auburn Water District Accounts Payable Check Register May 1, 2023 thru May 31, 2023
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<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19651	5/26/2023	5	David Hamann	5/31/2023	May Cell Phone Telephone - Treatment	30.00
						<u>30.00</u>
19652	5/26/2023	5	Cole Hayford	5/31/2023	May Cell Phone Telephone - Treatment	30.00
						<u>30.00</u>
19653	5/26/2023	5	Treasurer, State of ME-HETL	5/10/2023	perimeter testing Outside Services - Lab Tests	552.50
						<u>30.00</u>
19653	5/26/2023	5	Treasurer, State of ME-HETL	5/10/2023	A/R - Lewiston	552.50
						<u>1,105.00</u>
19654	5/26/2023	5	Craig Millett	5/31/2023	May Cell Phone Telephone - Treatment	30.00
						<u>30.00</u>
19655	5/26/2023	5	Northern Data Systems, Inc.	5/22/2023	IC Fee Notice A/R - Auburn Sewer	226.67
						<u>30.00</u>
19655	5/26/2023	5	Northern Data Systems, Inc.	5/22/2023	A/R - Auburn Sewer	883.59
						<u>30.00</u>
19655	5/26/2023	5	Northern Data Systems, Inc.	5/22/2023	Billing Outside Services - Customers	883.59
						<u>30.00</u>
19655	5/26/2023	5	Northern Data Systems, Inc.	5/22/2023	IC Fee Notice Outside Services - Customers	226.66
						<u>2,220.51</u>
19656	5/26/2023	5	Petro's	5/11/2023	grass seed 22-23 HotelRd Main Elimination	144.00
						<u>144.00</u>
19656	5/26/2023	5	Petro's	5/17/2023	grass seed 22-23 HotelRd Main Elimination	179.99
						<u>179.99</u>
19656	5/26/2023	5	Petro's	4/19/2023	Hay Supplies - Hydrants	44.95
						<u>44.95</u>
19656	5/26/2023	5	Petro's	5/11/2023	grass seed Supplies - Services	35.99
						<u>35.99</u>
						<u>404.93</u>

Auburn Water District Accounts Payable Check Register May 1, 2023 thru May 31, 2023
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<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19657	5/26/2023	5	Rochester Midland Corporation	2/5/2023		360.78
					Sanor Mark Service for Yr A/R - Auburn Sewer	
19657	5/26/2023	5	Rochester Midland Corporation	2/5/2023		360.78
					Sanor Mark Service for Yr Misc Expense-T&D Ops	
						<u>721.56</u>
19658	5/26/2023	5	Rowe Auburn	4/13/2023		43.16
					Sleeve-Wirin TRUCK #38 (2015 FORD F250)	
						<u>43.16</u>
19659	5/26/2023	5	Skelton, Taintor & Abbott	5/16/2023		118.00
					services thru 04/13/23 Legal Expenses	
19659	5/26/2023	5	Skelton, Taintor & Abbott	5/16/2023		118.00
					services thru 04/13/23 A/R - Auburn Sewer	
						<u>236.00</u>
19660	5/26/2023	5	Derek Thone	5/31/2023		30.00
					May Cell Phone Telephone - Treatment	
						<u>30.00</u>
19661	5/26/2023	5	Traction - Genuine Parts Co.	3/6/2023		73.64
					Mobile Tank Nozzle A/R - Auburn Sewer	
19661	5/26/2023	5	Traction - Genuine Parts Co.	3/6/2023		73.63
					Mobile Tank Nozzle Equipment Maintenance	
19661	5/26/2023	5	Traction - Genuine Parts Co.	5/10/2023		26.16
					Def A/R - Auburn Sewer	
19661	5/26/2023	5	Traction - Genuine Parts Co.	3/6/2023		89.41
					Fuel Tank Nozzle A/R - Auburn Sewer	
19661	5/26/2023	5	Traction - Genuine Parts Co.	5/10/2023		26.16
					Def Equipment Maintenance	
19661	5/26/2023	5	Traction - Genuine Parts Co.	3/6/2023		89.41
					Fuel Tank Nozzle Equipment Maintenance	
19661	5/26/2023	5	Traction - Genuine Parts Co.	5/22/2023		65.66
					Ratchet Straps A/R - Auburn Sewer	
19661	5/26/2023	5	Traction - Genuine Parts Co.	5/22/2023		65.66
					Ratchet Straps Supplies - T&D - Ops	
						<u>509.73</u>

Auburn Water District Accounts Payable Check Register May 1, 2023 thru May 31, 2023
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<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19662	5/26/2023	5	UPS	5/13/2023	Shipping Chgs - UV A/R - Lewiston	9.76
19662	5/26/2023	5	UPS	5/13/2023	Shipping Chgs - UV UV Treatment Plant - O&M	9.75
						<u>19.51</u>
<u>Grand Total</u>						<u>318,717.83</u>

LEWISTON BILLS PAID
5/31/2023

DATE	VENDOR	INVOICE #	DESCRIPTION	Lewiston Amount	DEPT	Total Invoice
5/2/2023	Gilman Electrical	1095923	Conduit Parts	35.05	OPS	70.09
5/8/2023	Dirigo Generator Service	1005	Ongoing Repairs - Chloramines Generator	583.34	OPS	1,166.68
4/26/2023	USA BlueBook	349889	Supplies	89.86	OPS	179.72
5/2/2023	Dead River	69217	Tank #5 Propane	218.68	OPS	437.36
5/9/2023	HACH	13575829	Supplies	956.94	OPS	1,913.87
5/4/2023	Dirigo Generator Service	1004	PM Generator - LAPS	130.00	OPS	260.00
5/4/2023	Dirigo Generator Service	1004	PM Generator - Chloramines	190.00	OPS	380.00
3/2/2023	UniFirst	1040293357	Rug Maint (not prev paid)	171.57	OPS	343.14
5/1/2023	Pine Tree Waste	3053551	Bulk Waste	56.69	OPS	113.38
5/10/2023	Gilman Electrical	1096644	Battery	44.31	OPS	88.61
5/16/2023	HACH	13584543	Supplies	1,333.91	LAB	2,667.81
5/13/2023	UPS	0173A7V193	Shipping chgs Schneider - Repair	9.76	OPS	19.51
5/10/2023	HETL	150187	Perimeter Testing	552.50	LAB	1,105.00
5/16/2023	Dead River	26922	Tank #2, 3, 5 Propane	569.71	OPS	1,139.41
5/16/2023	Dead River	26936	Chloramines Tank #8 Propane	293.63	OPS	587.26
5/31/2023	Bisson Enterprises	26768	Cleaning	206.00	OPS	412.00
5/30/2023	HACH	13600495	Supplies	767.77	OPS	1,535.53
5/22/2023	Eaton Corporation	986651880	UV Reactor UPS Battery Service	21,100.95	OPS-Contracting	42,201.90
5/25/2023	Xylem	1012982	Supplies	2,056.42	LAB	4,112.84
5/24/2023	HETL	152955	Perimeter Testing	765.00	LAB	1,530.00
5/24/2023	HETL	152956	In-Lake testing	510.00	LAB	1,020.00
5/24/2023	HETL	151030	Perimeter Testing	637.50	LAB	1,275.00
5/26/2023	GE Electric	17001100055021	Scada Software Support	4,044.48	OPS	8,088.96
5/16/2023	US Cellular	574660021	May Cell Phones	40.00	OPS	
5/12/2023	Supply House	Card	Parts for Sump Pump	34.48	OPS	68.95
5/12/2023	Amazon	Card	Batteries for UV Reactors	44.09	OPS	88.17

1142-400

35,442.64

AUBURN WATER DISTRICT

MONTHLY ACTIVITY REPORT

May 2023

MAINS

Location	Hrs.	Comments	Leak Check				Misc.	New
			PT/Cl ₂	Leak	On Owner	OK		
Vernon Area	184	Main replacement						1
Hotel Rd	880	Main replacement						1
Mill St	70	Move Water Main at Third St.					1	
Mount Auburn Ave	12	Contractor Hit Main		1				
Total Hours	1146							
Monthly Totals	4		0	1	0	0	1	2
2022 Monthly Totals	9		0	2	1	0	4	2
YTD Totals	26		0	12	1	0	5	8
2022 YTD Totals	38		0	19	2	2	9	3

GATES

Location	Ck'd	Comments	Ajust	Leak	New	Misc.
Vernon Area		Raised/Lowered Gate Boxes	1			
Mill St.		Lowered Gate Boxes	1			
Monthly Totals	2		2	0	0	0
2022 Monthly Totals	2		2	0	0	0
YTD Totals	2		2	0	0	0
2022 YTD Totals	4		2	0	0	2

HYDRANTS

Location	Hrs.	Comments	Broken	Cap	Misc.	New	Frozen
All hydrants	189	Distribution System Hyd. Flushing			1		
Fletcher	4	Hydrant Repair			1		
Cross St		Checked Hydrant			1		
Troy		Hydrant Repair			1		
Hotel Rd	16	Relocated/Installed New Hydrant				1	
Total Hours	209						
Monthly Totals	5		0	0	4	1	0
2022 Monthly Totals	7		2	0	5	0	0
YTD Totals	25		6	0	18	1	0
2022 YTD Totals	25		5	0	20	0	0

NEW SERVICES

Location	No.	Comments	No Meter	Meter	Meter Size
640 Maine Street		Cyndi's Dockside			
Monthly Totals	1		1		
2022 Monthly Totals	2		1	1	
YTD Totals	24		9	15	
2022 YTD Totals	0		2	11	

SERVICES

Location	Hrs.	Comments	Leak Check			Frozen	Box	Misc.
			OK	Leak	On Owner			
1 Shore Path	14	Repair Leak		1				
15 Shore Path	3	Repair Leak		1				
24 Joffre St	12	Repair Service Box					1	
30 Gillander								
Monthly Totals	3		0	2	0	0	1	0
2022 Monthly Totals	13		1	0	9	0	3	0
YTD Totals	64		7	8	34	0	11	4
2022 YTD Totals	63		2	2	22	0	10	8

METERS

Activity	Comments	Test/Repair	Changed	Misc.	Read Hours	Special Reads	Delinquent	
							Notify	Turn off
Test meters	100 Moun Auburn Ave	1						
Test meters	13 Snowe Ave	1						
Test meters								
Test meters								
Repair MXU.'s.			13					
Meters In/out								
Dead								
Frozen								
Deactivate Service								
Activate Service			13					
Temporary Meter				3				
Turn off & on for repairs				7				
Reading Meters					42.0			
Final Reads	Ownership Transfer					16		
Recheck Readings	High or low reading.					3		
Red Tags	Notify for non-payment.						19	
Turn off for non-payment	(15) reinstated)							17
Monthly Totals		2	26	10	42	19	19	17
2022 Monthly Totals		4	46	16	18	36	20	20
YTD Totals		44	69	28	157	155	93	58
2022 YTD Totals		18	110	41	104	184	108	88

STATION CHECKS

Location	hrs.	Comments
Poland Booster	1	Station check
Cimino	1	Troubleshoot exhaust blower
Monthly Totals	3	
2022 Monthly Totals	3	
YTD Totals	18	
2022 YTD Totals	13	

WATER QUALITY CALLS

Location	Comments	Dirty	Color	Odor	Taste	Misc.
19 Greenfield	Brown Water		1			
19 Greenfield	Brown Water		1			
Lake Auburn	Car in Lake Auburn					1
Monthly Totals		0	2	0	0	1
2022 Monthly Totals		0	0	0	0	0
YTD Totals		2	2	1	0	5
2022 YTD Totals		0	0	0	0	1

LABORATORY

Month	Dist. Sys. Tests	Temp (°C)	Avg. NaOH	Avg. Cl	Avg. FL	Avg. Turb.	SWTR Tests
		Water	gal/MG	mg/l	mg/l	(ntu)	
January	51	2.7	24.90	2.91	0.72	1.05	30
February	44	2.0	24.82	2.88	0.69	0.67	28
March	47	3.0	25.06	2.91	0.67	0.48	31
April	46	3.7	25.08	2.92	0.66	0.75	30
May							
June							
July							
August							
September							
October							
November							
December							
YTD Avg	47		24.97	2.91	0.69	0.74	
2022 Avg	47		26.90	2.98	0.74	0.37	
YTD Totals	188						119
2022 YTD	188						120

LAKE AUBURN

Month	No. Patrols	Withdrawals *			Elevations **					
		AWD	LWD	Total	1st	High	Yr.	Low	Yr.	2021
January	8	2.08	3.43	5.51	264.41	264.41	2023	257.20	2001	260.92
February	6	2.14	3.42	5.56	261.43	261.70	1996	257.10	2002	260.86
March	6	2.18	3.45	5.63	261.27	261.41	2010	257.40	2002	261.29
April	12	2.27	3.53	5.80	261.50	262.40	1953	258.20	2002	261.42
May										
June										
July										
August										
September										
October										
November										
December										
Avg. Monthly	8	2.17	3.46	5.63				AWD		LWD
								April	39%	61%
YTD Totals	32	8.67	13.83	22.5	2023 YTD Avg.			39%		61%
2022 YTD Totals	47	9.34	13.72	23.06	2022 YTD Avg			41%		59%

* Average Daily Withdrawals MGD ** Elevation Above Sea Level

WEATHER*

Month	Precipitation				Temperature			
	Snowfall(in.)	Total (in.)	Normal Precip.	Days of Precip.	Max (°F)	Min (°F)	Avg- (°F)	Dep. From norm
January	25.0	4.28			52	7	30	
February	20.0	1.16		8	55	-17	25	
March	22.0	1.78		11	53	16	35	
April	0.0	2.04		11	82	26	44	
May	0.0	7.24		7	91	36	57	
June								
July								
August								
September								
October								
November								
December								
YTD Totals	67.0	16.5	0.0	37.0				
2022 Totals	36.0	13.4	0	47				

DIG SAFE

Month	Total	Contractors	MDOT	AHD	School Dept.	Lewiston Water	Consolidated comm.	AWD	CMP	ASD	GAS	MTA
January	204	190	0	0	0	0	0	6	5	0	2	1
February	68	28	0	0	0	0	0	4	31	0	5	0
March	77	50	0	0	0	0	0	4	15	1	6	1
April	236	163	2	31	0	0	0	9	24	0	6	1
May	200	112	0	17	0	0	3	5	48	1	13	1
June												
July												
August												
September												
October												
November												
December												
YTD Totals	785	543	2	48	0	0	3	28	123	2	32	4
2022 Totals	537	339	7	53	1	0	0	34	37	3	60	3

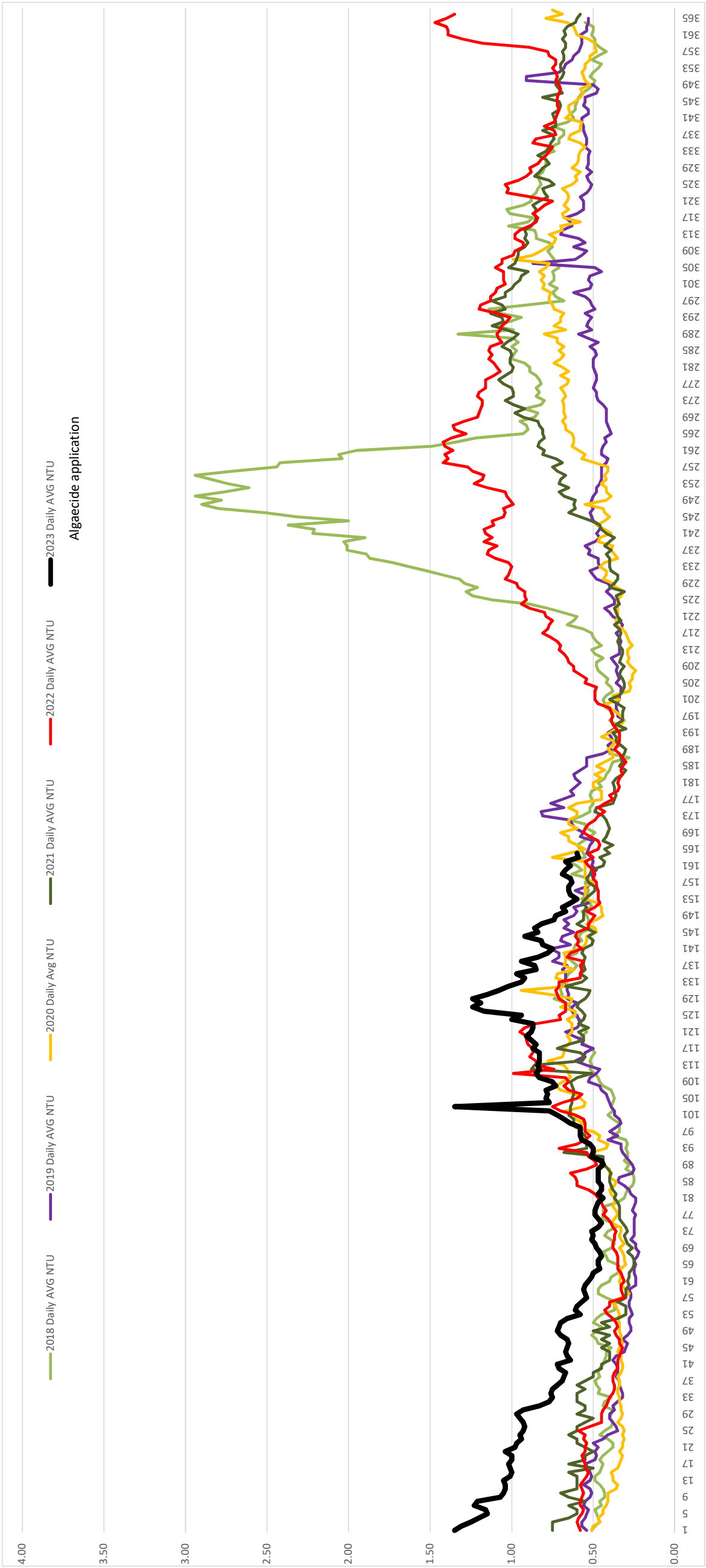
DUTY FOREMAN CALLS

(Overtime)

Districts	Total	High/Low Pressure	Water Quality	Alarms	Service Issue	Leak	Misc.	Locates	Hydrants	Meter	Fire Calls
Sewerage District	2			0	2	0	0	0	0	0	0
Water District	21	0	2	0	4	2	5	5	1	0	2
Monthly Totals	23	0	2	0	6	2	5	5	1	0	2
2022 Monthly Totals	13	0	0	0	7	1	1	1	3	0	0
YTD Totals	53	0	0	0	25	9	13	10	2	0	3
2022 YTD Totals	43	0	0	0	24	7	4	4	3	0	6

OTHER ACTIVITIES

1. Manuals, Documents & Reports are being scanned and uploaded to SharePoint
2. GIS & Project Generation Weekly Meetings
3. Monthly Operation Meetings
4. Vehicle & Equipment Maintenance being completed during inclement weather
5. Meter Room Organization
6. Inventory Tracking & Monitoring
7. Restocking Aggregate on Goff Hill & Removed fill
8. Replaced Battery on Ipswich Generator
9. Repair PRV Sensor At Troy Street Vault
10. Repaired Strobe Wiring Truck 41
11. Lead & Copper Rule Revision Task Force
- 12.



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— 2015 Lake Elevation — 2016 Lake Elevation — 2017 Lake Elevation — 2018 Lake Elevation — 2019 Lake Elevation — 2020 Lake Elevation — 2021 Lake Elevation — 2022 Lake Elevation — 2023 Lake Elevation

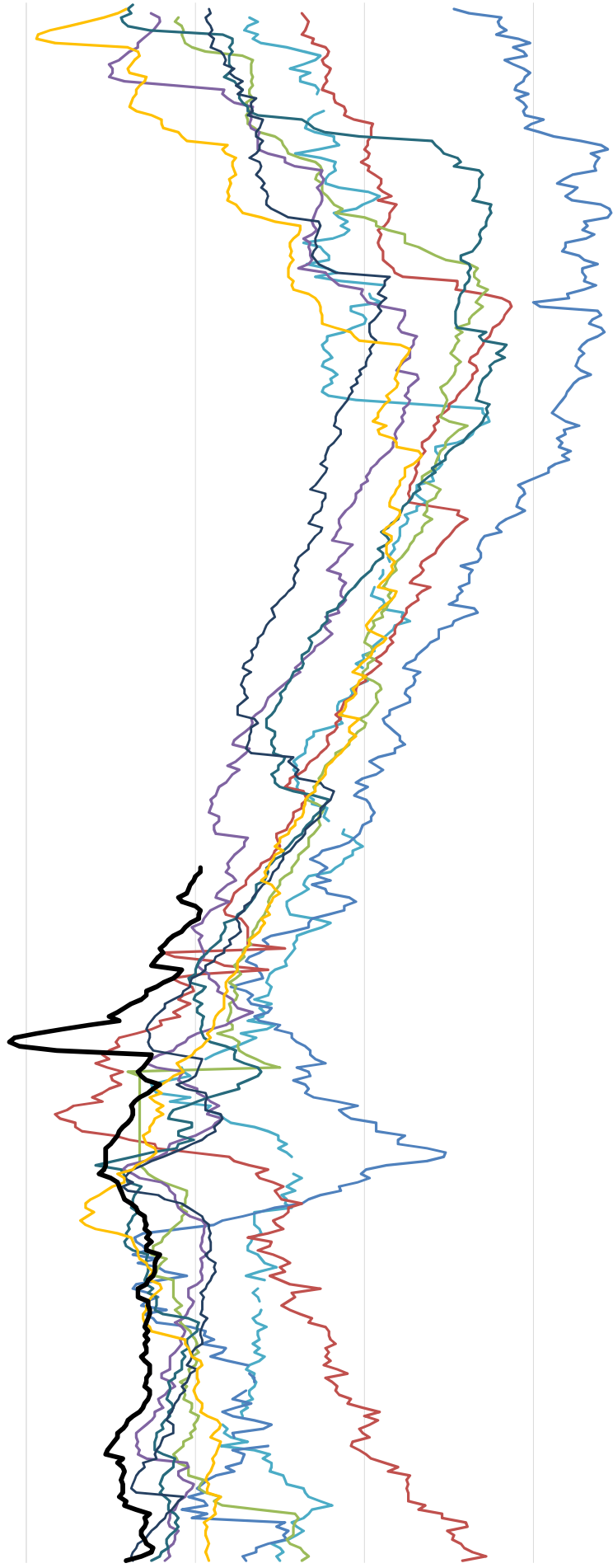
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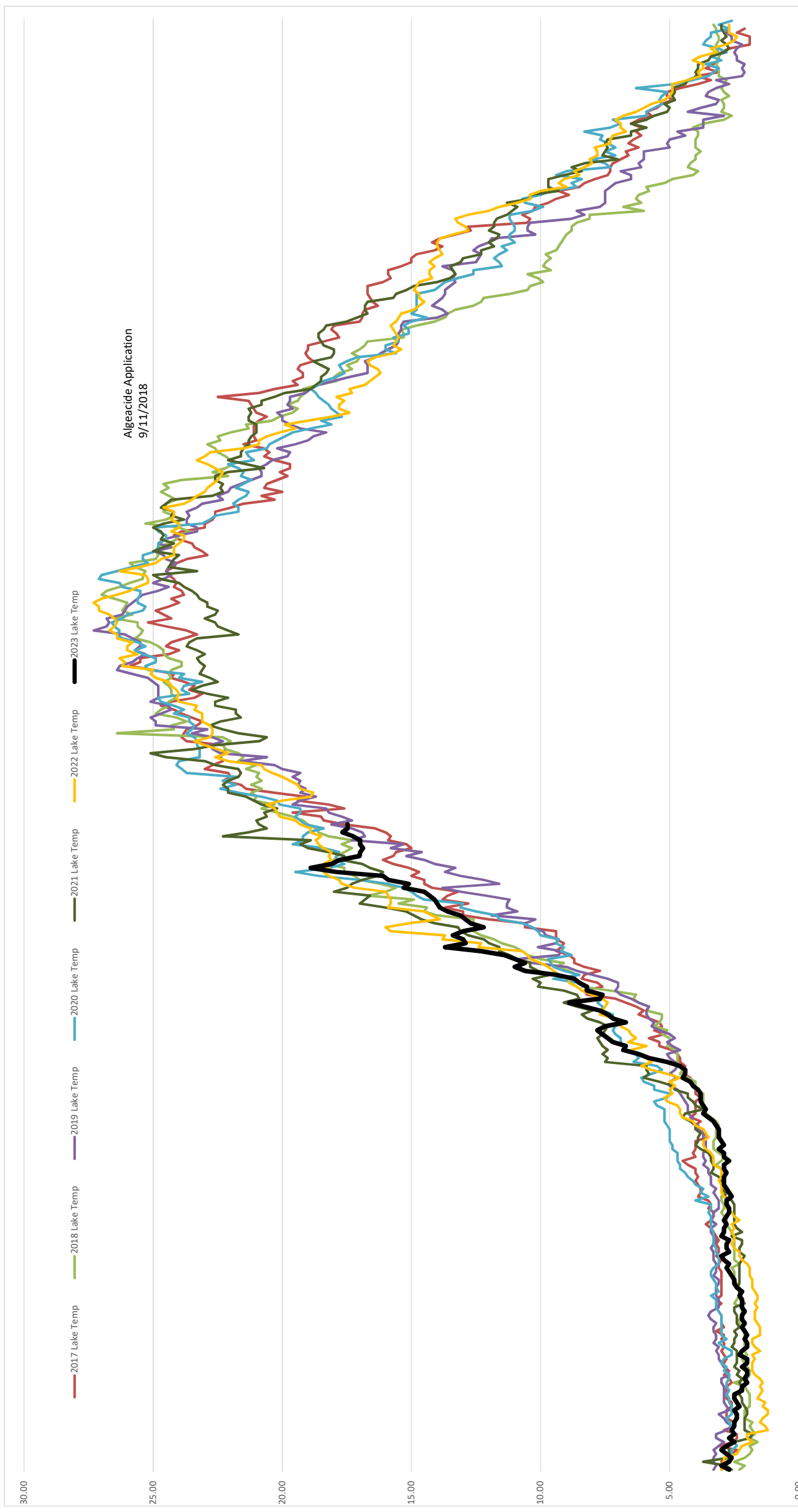
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75 State Street, Suite 701
Boston, Massachusetts 02109
tel: 617 452-6000

April 11, 2023 (revised June 12, 2023)

Erica Kidd
Watershed Manager
Auburn Water District/Lewiston Water Division
P.O. Box 414
Auburn, ME 04212

Subject: Lake Auburn Watershed Plan Update
Amendment 2 - Watershed Line Rezoning Additional Evaluation with
Hydrogeologic Investigations Allowance
Lake Auburn Watershed Protection Commission

Dear Ms. Kidd:

CDM Smith Inc. (CDM Smith) is pleased to provide this proposal to the Lake Auburn Watershed Protection Commission (LAWPC) District to provide additional evaluation to assist in determining the limit of the watershed in the “area of uncertainty” from CDM Smith’s October 5, 2022 memorandum “Watershed Delineation Review – Gravel Pit Parcel.” The requested scope of work was detailed in the document provided March 27, 2022 and included three subtasks detailed in the scope below.

In addition, LAWPC has requested an allowance for hydrogeologic investigations to follow the completion of the technical memorandum. The technical memorandum will provide a summary of the visualization model, and the need for and focus of additional field data collection and/or groundwater flow modeling can be assessed and more precisely estimated. The allowance will allow more efficient implementation of the investigations. The budget for the hydrogeologic investigations will be adjusted after the completion of the technical memorandum, based on review and agreement of both LAWPC and CDM Smith.

Scope of Work

Task 7 - Watershed Line Rezoning Additional Evaluation

Task 7.1 – 3-D Geometric Visualization Model and GIS

In this task, CDM Smith will complete the scope as requested in Item 1 in the Request for Proposal. The Maine Drinking Water Program requested in their March 20, 2023 letter: “*The additional work recommended by CDM Smith on page 2 of the 10/5/22 Watershed Delineation Rezoning Review- Gravel Pit Parcel to evaluate the ‘area of uncertainty’.*”



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To determine the limit of the watershed in this “area of uncertainty”, the following steps would be recommended:

- Create a 3-D geometric visualization model and associated geographic information system (GIS). The scope of effort would include:
 - Incorporation and integration all of the relevant geologic, well construction, water level and water quality data included in the reports that were reviewed.
 - *Hydrogeologic Investigation (EC Jordan, 1990)*
 - *Georeference Site Plan map and digitize Well, piezometer, Test Pit, and Driven Point locations (Fig 1-1)*
 - *Digitize well survey data (Table 3-4)*
 - *Digitize groundwater elevation data (Table 3-1)*
 - *Georeference and digitize bedrock contour map (Fig 4-1)*
 - *Georeference groundwater contour map (Fig 5-1)*
 - *Georeference seismic survey map (Appendix A map)*
 - *Digitize summary of seismograph survey data (Appendix A table)*
 - *Georeference seismic survey profiles (Appendix A)*
 - *Supplemental Hydrogeologic Study (Woodard & Curran, 1995)*
 - *Georeference and digitize contours and well locations from Inferred Bedrock Surface Map*
 - *Digitize well survey data (Table 1)*
 - *Georeference and digitize four seismic lines (Appendix B)*
 - *Georeference four seismic profiles (Appendix B)*
 - *Digitize seismic result tables 1-4*
 - *Groundwater Assessment (Summit, 2007)*
 - *Digitize groundwater elevation data (Table 1)*
 - *Maps – Site Map, Contour Map, Quadrangle Map*
 - Incorporate additional data including topography, land parcels and other geographic features.
 - *Import topography, parcels, waterbodies, and aerial photography from Maine GeoLibrary.*



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- Research to identify if there are other hydrogeologic data available not included in the reports reviewed for this memo. These might include additional seismic survey results and boring logs.
- Based on the visualization model, the need for and focus of additional field data collection and/or groundwater flow modeling can be assessed. While it is likely that additional field exploration, including installation of new monitoring wells, will be required to more precisely delineate the watershed, preliminary visualization and modeling analysis can make this investigation more efficient.
- The results of the modeling and recommended additional field investigations will be summarized in a draft and final technical memorandum.
- Assume one virtual progress meeting with LAWPC, and to summarize results and make recommendations.

Task 7.2 – Stratigraphy/Groundwater Flow and Discharge

As requested by the Maine Drinking Water Program in 3/20/23 letter: *“Confirm stratigraphy and groundwater flow directions in the various strata in the area encircled in orange on Figure 1 in the letter. Evaluate groundwater discharge to the lake throughout the study area.”*

The 3-D visualization model developed for Task 7.1 will be extended to include the encircled area of interest noted in the RFP (**Figure 1** above). The bedrock surface will be mapped or estimated to the extent that can be supported by available data. The model will illustrate the relationship of the groundwater table to the bedrock, ground and lake surfaces. The extent of the area will be estimated where the groundwater table is below lake level, with a gradient away from the lake, so that surface or subsurface discharges will not be transported to the lake via groundwater flow. Other parts of the encircled area of interest where groundwater flow direction is uncertain or likely towards the lake will be identified.

The extent of the visualization model will also include the lake shore throughout the study area. Of particular significance to assessing groundwater discharge to the lake will be delineation of where the bedrock surface rises and outcrops near the lake shore, inhibiting overburden groundwater flow to or from the lake. Portions of the study area where surface recharge to groundwater potentially reaches the lake, and the associated average groundwater flow rate, will be estimated.



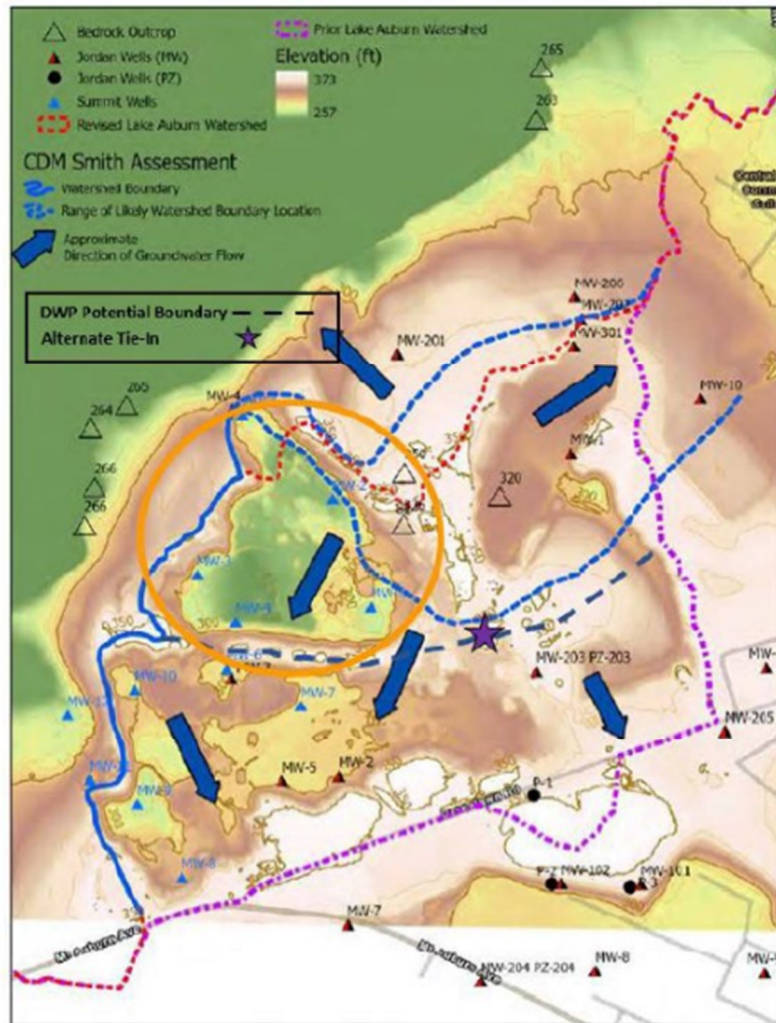


Figure 1. Adapted by DWP from October 5, 2022, CDM Smith report

Task 7.3 – Groundwater Flow for Southwestern Gravel Pit

The RFP requested; *“Determine the direction of groundwater flow in the southwestern most point of the gravel pit that abuts the Berry Farm and that is currently in the watershed.”*

Any available data that can help determine groundwater flow direction in this area will be compiled and incorporated into the 3-D visualization model. If groundwater and bedrock surface data are insufficient to determine groundwater flow direction, alternative interpolations of bedrock surface and water table across the area of interest will be applied in the model to illustrate a range of reasonably likely flow conditions.



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Task 7.4 – Project Management

This task covers all project management tasks, including written progress reports, invoicing, and contract management.

Task 7.5 – Hydrogeology Investigation (Allowance)

This task is included as an allowance, with the budget based on the following scope and assumptions:

- Hydrogeologic Field Investigations:
 - Install up to eight (8) monitoring wells by professional drilling subcontractor with oversight by CDM Smith:
 - *One (1) shallow water table well*
 - *Three (3) deep overburden wells*
 - *Four (4) bedrock wells*
 - Fracture trace analysis and outcrop mapping by professional geophysical subcontractor. Outcrop fracture mapping to occur at up to ten (10) outcrop locations.
 - Slug testing at up to eight (8) newly installed monitoring wells, falling and rising head tests at each well location.
 - Two (2) rounds of groundwater gauging including newly installed wells and existing wells.
 - Aerial mapping survey and preparation of an As-Built topographic CAD drawing by professional survey subcontractor. The field survey will also include a well location and elevation survey of the newly installed monitoring wells. .
- Hydrogeologic Investigation Technical Memorandum and 3-D Geometric Visualization Model Update
 - Prepare draft and final hydrogeologic memo including background information, summary of investigations, results, analysis, and conclusions.
 - The technical memorandum will include boring logs, slug testing analysis, groundwater contour maps, and vertical gradient calculations.
 - The 3-D Visualization Model will be updated with the investigation data.





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- Task 7.5 scope of work also includes all associated project management tasks.

Schedule and Budget

CDM Smith will provide the draft results and recommendations from Task 7.1 to Task 7.4 to LAWPC by June 30, 2023 and final within 2 weeks of LAWPC's comments.

CDM Smith is proposing to execute Task 7.1 to Task 7.4 for a lump sum cost of \$19,800.

The estimated schedule for Task 7.5 is as follows (to be revised after determination of detailed scope): Complete field investigations by August 31, 2023 and the draft technical memorandum by October 27, 2023 and final within 2 weeks of LAWPC's comments.

Task 7.5 is an allowance based on the presented scope of work of \$140,000 to be billed as lump sum. The breakdown of the costs are provided in the following table.

Task	Budget
Task 7.1 to 7.4 - Watershed Line Rezoning Additional Evaluation	\$19,800
Task 7.5 – Hydrogeologic Investigations (Total Allowance)	\$140,000
<i>CDM Smith Labor and Direct Costs Allowance</i>	<i>\$64,000</i>
<i>Drilling Subcontractor Allowance</i>	<i>\$40,000</i>
<i>Geophysical Subcontractor Allowance</i>	<i>\$5,000</i>
<i>Survey Subcontractor Allowance</i>	<i>\$31,000</i>

We trust that this proposal outlines services consistent with the action plan agreed upon in previous discussions. We are available to speak with you to answer any questions or clarify this proposal as may be needed. Please do not hesitate to contact us with any questions.

Sincerely,

Anne Malenfant, P.E., PMP
Project Manager
CDM Smith Inc.

cc: Bob Fitzgerald, Laurie Locke, Tarun Gill, Nick Castonguay, Ernest Ashley, CDM Smith

