

Avon Lake Board of Municipal Utilities

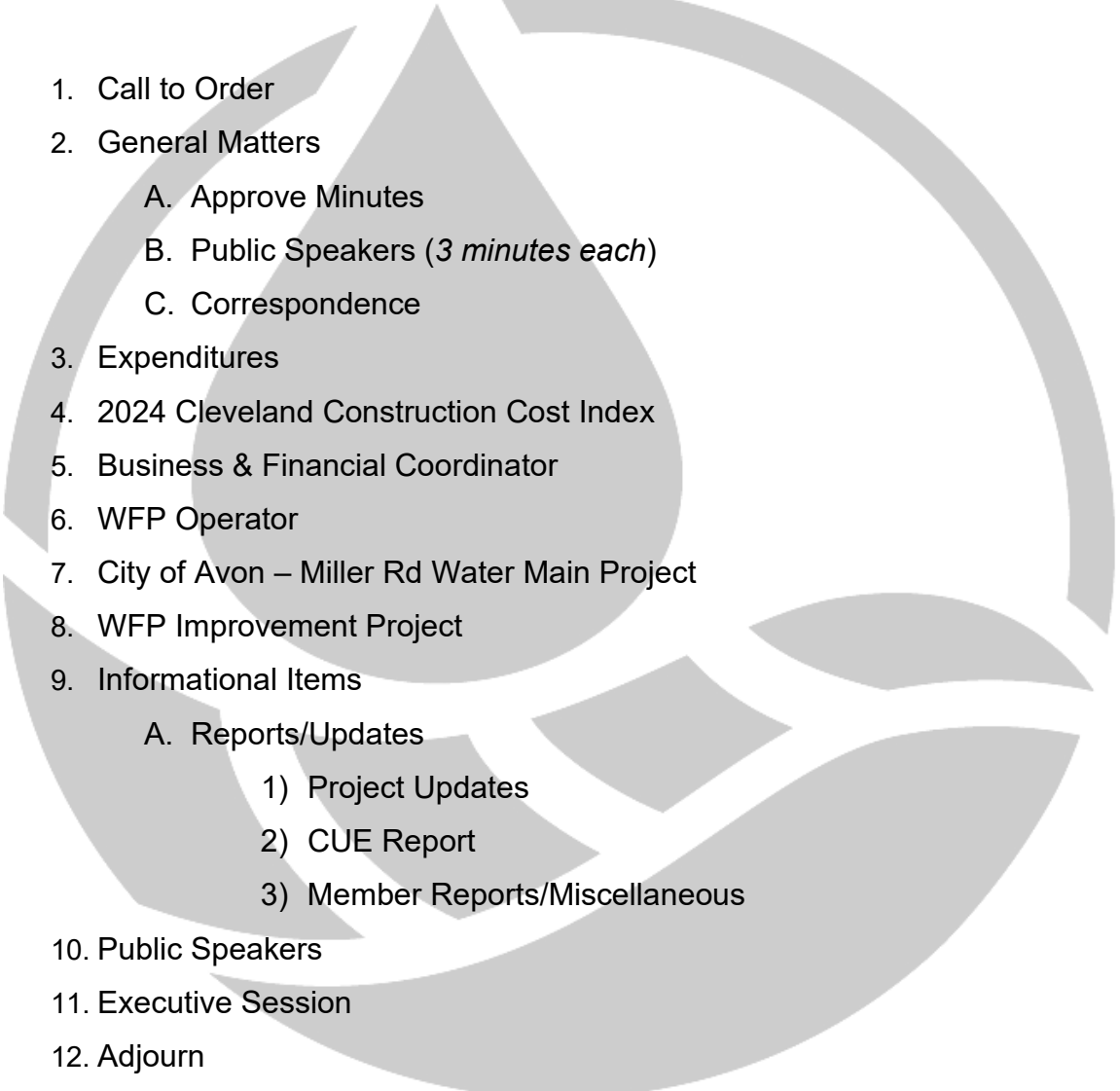
AGENDA

For

Tuesday

January 16, 2024

6:30 PM

- 
1. Call to Order
 2. General Matters
 - A. Approve Minutes
 - B. Public Speakers (*3 minutes each*)
 - C. Correspondence
 3. Expenditures
 4. 2024 Cleveland Construction Cost Index
 5. Business & Financial Coordinator
 6. WFP Operator
 7. City of Avon – Miller Rd Water Main Project
 8. WFP Improvement Project
 9. Informational Items
 - A. Reports/Updates
 - 1) Project Updates
 - 2) CUE Report
 - 3) Member Reports/Miscellaneous
 10. Public Speakers
 11. Executive Session
 12. Adjourn

Avon Lake Regional Water
MEMORANDUM

To: **Board of Municipal Utilities**
From: **Rob Munro**
Subject: **Agenda Items – January 16, 2024**
Date: **January 12, 2024**

Item 1: **Call to Order**
Item 2A: **Approve Minutes**
Item 2B: **Public Speakers**
Item 2C: **Correspondence**
Item 3: **Expenditures – RKM**

There are no expenditures for approval at this meeting. The Finance Director kept the 2023 budget year open until later in December to pay any invoices that were attributable to the 2023 budget year. He is currently in the process of opening up the 2024 budget for invoices to be paid and staff will have regular expenses at the February 6th meeting.

Item 4: **2024 Cleveland Construction Cost Index – RKM**

The Engineering Services group recently updated the Cleveland Construction Cost Index for 2024. Jarod Larson provided a memo to the Board indicating the necessary adjustments for the 2024 year, as they apply to certain fees that are charged to developers. Overall, there is a 4.674% increase from 2023 to 2024.

Item 5: **Business & Financial Coordinator – RKM**

Staff conducted a search for the new position of Business & Financial Coordinator in December of 2023. After advertising and interviewing interested candidates, staff is pleased to announce that William Logan has accepted the position and will tentatively start on Wednesday January 24, 2024 at the hourly rate of \$51.83.

Bill brings a significant amount of accounting and finance experience with him. He served as Finance Director for the City of Avon for fifteen years and currently is a board member for the Regional Income Tax Agency (RITA). Bill is also a Certified Public Accountant (CPA) who has many years of experience in the private sector. We look forward to Bill joining the Avon Lake Regional Water team.

Item 6: Water Filtration Plant Operator – RKM

In our continual efforts to fill open staff positions, staff is pleased to announce the hiring of Michael Lazusky as an Operator at the Water Filtration Plant. Mike is starting on Monday January 15, 2024 as an Operator Step 1. Mike currently is licensed by Ohio EPA as a Class 1 Water Supply Operator. We welcome Mike to the team and look forward to working with him.

Item 7: City of Avon – Miller Rd. Water Main Project – RKM

The City of Avon approached staff regarding their desire to up-size their direct service connection at Miller Road. The first phase of their improvement project was to replace their pumping station on Miller Rd. in Avon. This work was completed in 2023. The next phase is to increase the service connection line from the pump station, heading north, where it directly connects to the Avon Lake Regional Water system in Avon Lake. The current pipe size is 6-inch and will be increased to 12-inch. When designing the project staff pointed out that once this improvement would be completed, there would be a section of pipe on Miller Rd. that would remain at 6-inch. Staff decided to partner with the City of Avon on this project and include the replacement of this additional section of pipe and pay our share of the project. This will ensure a 12-inch water main for the length of Miller Rd.

The City of Avon Utilities Department asked if ALRW would bid and oversee the construction management for the project. As a value-added service to one of our bulk customers, the CUE agreed to provide this oversight at no additional cost. The project was bid using the online Bid Express bidding platform. Bids were opened on January 3, 2024 at 12:00 PM. There was a total of six (6) bids received, with DRS Enterprises, Inc. out of Garfield Heights, OH being the lowest and most responsive bidder. Staff is recommending the award of this contract to DRS Enterprises, Inc. in the amount of \$240,421.08. Avon Lake Regional Water's cost share of the project is \$123,791.37 and the City of Avon's cost share of the project is \$116,629.71.

Recommended Motion:

I move to authorize the CUE to execute a contract with DRS Enterprises, Inc., and the City of Avon, for the Miller Road Water Main Project in the amount of \$240,421.08. Furthermore, I authorize that the Avon Lake Regional Water cost share on the project shall not exceed \$123,791.37 plus an additional 5% for any out-of-scope items.

Item 8: 2024 Water Filtration Plant Improvement Project – RKM

Bids were opened on January 10, 2024 at 12:00 PM for the long-awaited Water Filtration Plant Improvement Project. There was a total of fifty-five (55) plan holders for the project, with the majority of those being sub-contractors and plan rooms. There were three (3) prime contractors that showed significant interest in submitting bids. Upon opening bids, there were two (2) bids received for the project. One bid from Great Lakes Construction for the construction improvements at the facility, and a second bid from Lycoming Supply for demolition of structures that will be decommissioned. The bid submitted by Great Lakes Construction is 7.78% under the engineers estimate and the bid submitted by Lycoming Supply is 9.39% above the engineers estimate. There are

no bid errors noted with these bids and the only exception noted is regarding lead times on electrical components. Based on this review, staff is recommending award of these contracts.

Now that bids are opened on this project, the CUE will need to apply for project funding with the Ohio Water Development Agency (OWDA). There is a portion of this improvement project that will qualify for zero-percent interest and the remainder of the project will be low-percent interest from the state revolving loan fund. The loan application will include the costs associated with HDR construction administration services, Great Lakes Construction bid items, and Lycoming Supply bid items. The Board approved a contract amendment with HDR for construction administration services for this project at the May 17, 2022 meeting in the amount of \$1,491,940.

Recommended Motion #1:

I move to approve resolution number 2024-0116 that authorizes Robert K. Munro to apply for funding with the Ohio Water Development Agency for the 2024 Water Filtration Plant Improvement Project in the amount of \$29,421,614.00 plus a 10% loan contingency per OWDA requirements.

Recommended Motion #2:

I move to authorize the CUE to execute a contract with Great Lakes Construction for the 2024 Water Filtration Plant Improvement Project for the not-to-exceed amount of \$26,633,400.00 plus 10% contingency per OWDA requirements.

Recommended Motion #3:

I move to authorize the CUE to execute a contract with Lycoming Supply, Inc., for the 2024 Water Filtration Plant Improvement Project for the not-to-exceed amount of \$1,296,274.00 plus 10% contingency per OWDA requirements.

Item 9A1: Project Updates – RTK

Power Plant Update: Work on the north side of Lake Rd. continues at the eastern portion of the main building as scheduled.

ETL Design Services: No update.

WFP Improvements: With the potential award of contracts for this project, a Notice to Proceed will be issued once all contracts are executed.

Additional Storage Building: Hydro-Chem was onsite during the week of January 8th to provide installation services to North Bay Construction for the commercial wash system. North Bay is making good progress on installation of equipment and is expected to finish within the next two weeks.

On Friday January 12th the walkthrough for punch list items on the utilities contract with North Bay is scheduled. Once all punch list items are satisfactorily completed this contract can be closed out.

Traveling Screen Replacement: Staff has received the programable logic controller. Programming is being completed to allow the screen to be fully monitored and controlled from the SCADA system and allow fully automatic operation. This project will now be closed out.

Inductively Coupled Plasma Mass Spectrometer (ICP): No update.

Item 9A2: **CUE Report – RKM**

Item 9A3: **Member Reports/Miscellaneous**

Item 10: **Public Speakers**

Item 11: **Executive Session**

The CUE requests an Executive Session to discuss personnel and legal matters. The CUE does not anticipate any Board action after the Executive Session.

Recommended Motion:

I move to meet in executive session as allowed by ORC §121.22 (G)(1) and (G)(3) to discuss personnel and pending legal matters, and to include the CUE, the Facilities & Asset Manager, and a representative from Mansour Gavin.

Item 12: **Adjourn**

Board of Municipal Utilities
Meeting Minutes
January 2, 2024
201 Miller Road
Avon Lake, Ohio

Call to Order – Roll Call

The meeting was called to order at 6:30PM. The meeting was held in-person using web-based video conferencing technology and streamed live over Facebook.

Present: Mr. Abram, Mr. Dzwonczyk, Mr. Rickey, Mr. Rush, and Mrs. Schnabel.

Also present: CUE Munro, CUO Yuronich, Attorney Diane Calta of Mansour Gavin and resident Jay Lawniczak of 208 James Circle.

Approve Minutes

Mr. Dzwonczyk presented the Minutes of the December 19, 2023 regular meeting. With no additional changes, additions or corrections noted, he ordered that the minutes stand and be distributed as presented.

Public Speakers

None.

Correspondence

None.

Expenditures

Following review of expenses for funds and amounts as follows, Mr. Abram moved, Mr. Rickey seconded, to approve the expenditures of December 1 through December 14, 2023:

Water Fund 701	\$ 4,989,731.30
Wastewater Fund 721	\$ 3,303,147.63
ETL1 Fund 703	\$ 24,950.00
ETL2 Fund 762	\$ 110,402.47
LORCO Fund 749	\$ 1,826,265.26
Water Construction Fund 704	\$ 39,850.00

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush, and Schnabel

Nays: None

Motion carried.

2024 Strategic Priorities

Mr. Munro presented several strategic priorities that the organization intends to focus on for 2024. He informed the Board that the top priority will be the pursuit of ISO certification in Asset Management and other quality initiatives. Mr. Munro stated that there will be a presentation to the Board on the status of these endeavors in the first quarter of 2024. Mr. Munro also listed other key priorities that includes but is not limited to entering the construction phase of

improvements at the Water Filtration Plant (WFP), land acquisition near the WFP site for future expansion and growth of the water service area to the west and south of current areas served.

Mr. Dzwonczyk asked if the purchase of some of these properties would amount to significant economic development within Avon Lake and Mr. Munro replied that it absolutely will have a positive effect within the city.

Mr. Munro informed the Board that there have been several recent news articles that focused on the regionalization of sewers within Lorain County and that Avon Lake Regional Water is involved in these discussions. This is something that will be analyzed by ALRW staff and if it makes sense for the organization and ALRW customers this will be something that is pursued. If it doesn't benefit all involved then ALRW would step aside.

Mr. Dzwonczyk asked if the news article presented to members prior to the meeting was related. Mr. Munro stated that he believes that Vermillion is looking at having to spend \$26 million to bring their treatment plants into compliance if they were to continue treating their water and wastewater independently. Mr. Abram responded that it was actually \$76 million dollars. Mr. Munro added that regionalization is a way that can help prevent having to pass such large costs on to the ratepayers.

Mr. Munro stated that ALRW is interested in helping our largest bulk customer, Rural Lorain County Water Authority (RLCWA) grow their service area.

Mr. Munro stated that another goal that will benefit all of our bulk customers is entering the construction phase of the ETL Improvements. He mentioned that this improvement has been slowed by the ongoing negotiations with the railroad but is confident that we will continue to move towards the construction phase in 2024.

Mr. Dzwonczyk wanted to make sure that we will be following all of the terms included within the Great Lakes Pact that ensures that any water withdrawn from Lake Erie is ultimately returned to this watershed. Mr. Munro stated that this agreement is always followed and the RLCWA specifically is very cognizant of where they pump their water as their service area includes areas south of the divide. Mr. Munro also stated that this is why potential agreements to construct piping that would withdraw water from Lake Erie and pump it to areas that need water outside of the Great Lakes watershed will not come to fruition.

Mr. Munro also added that posting requests for qualifications to update the water system master plan, capital improvement plan for both our system and the ETLs, along with updating the cybersecurity master plan will be undertaken in 2024. Mr. Munro stated that there has been considerable investment in updating the SCADA systems at both of the treatment plants along with IT infrastructure throughout the organization. Mr. Munro stated that the goal was to ensure that every IT improvement within the organization follows the same guidelines.

Mr. Dzwonczyk inquired what types of engineering firms would be submitting proposals. Mr. Munro replied that he felt consulting firms that have submitted proposals in the past when we had an RFQ for the ALRW Risk and Resiliency plan include HDR, Stantec, AECOM and others would most likely be submitting.

Mr. Dzwonczyk also inquired if the cybersecurity master plan would be a subset of the updates to the master plan. Mr. Munro stated that it has been discussed as having one firm handle all of the updates because staff have witnessed these consulting and design firms have specialized staff that handles specifically instrumentation and controls along with cybersecurity personnel. Mr. Dzwonczyk asked if there was potentially money available in the form of grants to help fund

this engineering. Mr. Munro stated that this is definitely a possibility and staff will be looking for applicable grants throughout this process.

Mr. Rush asked if it would potentially exclude some submittals if it were posted as a single project. Mr. Rush stated that there may be some cybersecurity firms interested that would not be interested/qualified in updating the water system master plan but specialize in cybersecurity only. Mr. Munro said that staff will be considering that as ALRW gets closer to posting the RFQs.

Project Updates

Power Plant Update: Mr. Yuronich informed the Board that work continues on the main portion of the power plant property on the north side of Lake Rd.

ETL Design Services: No updates.

WFP Improvements: Mr. Yuronich informed the Board that due to questions that arose around compliance with the Build America, Buy America (BABA) Act, staff had decided to postpone the bid opening until January 10th. Mr. Yuronich stated that one of the questions raised cast doubt on whether one of the specified tanks to hold the liquid lime would meet the BABA requirements or if the manufacturer's warranty would comply with the bid specifications. He added that it was difficult to get answers from the suppliers due to the holidays.

Additional Storage Building: Mr. Yuronich confirmed that all of the commercial wash bay equipment has been delivered. Mr. Yuronich stated that staff has cleared out two of the bays in the additional storage building to be used as a staging area for this equipment. Mr. Yuronich added that January 8th is when a representative from Hydro Chem will be onsite to oversee the installation and startup of the equipment along with providing necessary training to staff on operation and maintenance of the wash bay equipment.

Mr. Dzwonczyk inquired when the wash bay equipment installation would be complete. Mr. Yuronich stated that he thought the end of the month is when it would be operational and Mr. Munro confirmed that two and a half weeks was the timeline he had been given.

Traveling Screen Replacement: Mr. Yuronich stated that there were no real updates as staff is still waiting on the arrival and programming of a PLC that will allow fully automatic operation of the travelling screen but that it continues to operate in manual mode with no issues.

Inductively Coupled Plasma Mass Spectrometer (ICP): Mr. Yuronich informed the Board that WFP Lab staff is going to begin sampling wastewater samples to be analyzed in conjuncture with testing from a third-party laboratory to ensure that results continue to match up with the testing performed on the new equipment. Mr. Yuronich stated that ALRW Lab Staff continue to pursue full certification through the Ohio Environmental Protection Agency (OEPA) for the ability to begin performing tests on drinking water and that they are striving to achieve this certification by the middle to end of February 2024.

Mr. Rickey stated that this seems like a very laborious process to get these approvals and wanted to know how long the approval was good for. Mr. Yuronich explained that the certification is good for two years but that subsequent renewals do not require the same level of involvement. Mr. Yuronich stated that the initial proficiency requirements and method developments are much more involved than what is required for renewal of that certification.

CUE Report

Mr. Munro stated that he and Mr. Yuronich were presented with a completed Standard Operating Procedure Manual that was compiled by the WFP Manager Jason Gibboney for both the WFP operation and the laboratory. Mr. Munro reminded the Board that this is a large portion of the ISO certification and is very important to ALRW's quality initiative. Mr. Munro stated that this is something that Mr. Yuronich had begun while he was the manager at the WFP and stated that this is not a static document but something that will be regularly updated.

Mr. Dzwonczyk asked if this will serve as a template that will be followed by others in the organization. Mr. Munro responded that yes it will. Mr. Munro added that we've had a standard template that allows for approval by a second person who has reviewed each procedure along with storage and tracking of revisions was developed by Mr. Gaydar and Mr. Larson in Engineering Services. Mr. Munro also stated that Mr. Hill at the Water Reclamation Facility has been putting in a lot of work on the SOP manual for the WRF as well since he began working for ALRW a few years ago.

Mr. Dzwonczyk stated that he agreed this is an important step in pursuing our quality initiative.

Miscellaneous & Member Reports

None.

Public Speakers

Mr. Lawniczak of 208 James Circle stated that during the heavy rainfall in August of 2023 that his home on James Circle experienced a sewer backup. Mr. Lawniczak informed the Board that his house sits at a noticeable lower elevation than some of the others in that neighborhood and wanted to know if others had reported backups as well.

Mr. Munro inquired if it was a storm or sanitary sewer backup. Mr. Lawniczak stated that it was a sanitary sewer backup. Mr. Munro stated that he was unsure if others had reported a backup but informed him that ALRW is currently taking the steps of a thorough investigation utilizing the camera truck to video and explore the sanitary sewer system in that area to determine if there are storm water cross-connections that still need to be separated or if other improvements need to be made. Mr. Munro inquired if Mr. Yuronich was aware of any other complaints. Mr. Yuronich responded that he believed there was another complaint because the ALRW camera truck had gone out there to perform some initial inspections at that time.

Mr. Munro asked Mr. Lawniczak to stick around after the meeting so that we can discuss further investigative efforts to diagnose what had happened. Mr. Munro stated that the camera work can be done in conjunction with smoke and dye testing to clarify where downspouts and sump pumps are emptied into.

Mr. Abram stated that he believed that the storm and sanitary sewer renovations in that area were performed in the late 1990's but that this work was completed by the City of Avon Lake and was not under the supervision of ALRW.

Executive Session

Mr. Rush moved, Mr. Abram seconded to meet in executive session as allowed by ORC §121.22 (G)(3) to discuss personnel matters, the purchase and/or sale of property and pending legal matters and to include the CUO, the Facility and Asset Manager, and a representative from Mansour Gavin.

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush and Schnabel
Nays: None
Motion carried.

The Board entered Executive Session at 7:12 PM.

The Board reconvened the public meeting at 7:35 PM.

Adjourn

As there was no further business, Mr. Abram moved, and Mrs. Schnabel seconded, to adjourn.
The meeting adjourned at 7:35 PM.

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush and Schnabel
Nays: None
Motion carried.

Approved January 2, 2024.

John Dzwonczyk, Chairman

Robert Munro, Clerk

DRAFT

Avon Lake Regional Water
MEMORANDUM

To: **Board of Municipal Utilities**
From: **Jarod Larson, Engineer**
Subject: **Cleveland Construction Cost Index**
Date: **January 5, 2024**

The Index for **2024** is **14184.20**
The Index for 2023 was 13550.84
This is a difference of **+4.674%**

Therefore, the following are the adjusted 2024 fees:

	<u>2023</u>	<u>2024</u>
Trunk Sanitary Sewer Fee	\$2,266.00	\$2,372.00
Trunk Sanitary Sewer Square Foot Charge	15.12¢	15.83¢
8" Sanitary Sewer Front Foot Charge	\$79.72	\$83.45
Water Impact Fee	\$2,733.00	\$2,861.00
Water Main Front Foot Square Foot Charge	76.71¢	80.30¢
CALDP Tap In Fee	\$11,952.65	\$12,511.31

Item No.	Item Description	Unit	Quantity +/-	Unit Price	Total Cost	% total	Plan holder/attended MPP		Plan holder/attended MPP		Plan holder/did not attend MPP		Plan holder/attended MPP		Plan holder/attended MPP		Plan holder/attended MPP		Plan holder/attended MPP			
							Unit Cost (\$)	Total Cost	Unit Cost (\$)	Total Cost	Unit Cost (\$)	Total Cost	Unit Cost (\$)	Total Cost	Unit Cost (\$)	Total Cost	Unit Cost (\$)	Total Cost	Unit Cost (\$)	Total Cost	Unit Cost (\$)	Total Cost
1	WATER MAIN REMOVED OR ABANDONED	Lump Sum	1.00	\$ 3,500.00	\$ 3,500.00	1.11%	\$ 2,500.00	\$ 2,500.00	\$ 14,000.00	\$ 14,000.00	DID NOT SUBMIT A BID		\$ 3,800.00	\$ 3,800.00	\$ 2,500.00	\$ 2,500.00	\$ -	\$ -	\$ 4,000.00	\$ 4,000.00	\$ 11,000.00	\$ 11,000.00
2	WATER METER VAULT & APPT. REMOVED	Lump Sum	1.00	\$ 7,000.00	\$ 7,000.00	2.22%	\$ 6,000.00	\$ 6,000.00	\$ 8,800.00	\$ 8,800.00	\$ -	\$ -	\$ 12,000.00	\$ 12,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00	\$ 12,000.00	\$ 12,000.00
3	12" C909 PVC WATER LINE W/ 24" CASING PIPE FOR HORIZONTAL BORE	Lin. Ft.	80.00	\$ 905.61	\$ 72,448.80	22.94%	\$ 900.00	\$ 72,000.00	\$ 715.00	\$ 57,200.00	\$ -	\$ -	\$ 1,700.00	\$ 136,000.00	\$ 630.00	\$ 50,400.00	\$ -	\$ -	\$ 794.00	\$ 63,520.00	\$ 850.00	\$ 68,000.00
4	12" C909 PVC WATER LINE	Lin. Ft.	150.00	\$ 231.87	\$ 34,780.50	11.01%	\$ 271.91	\$ 40,786.50	\$ 305.00	\$ 45,750.00	\$ -	\$ -	\$ 700.00	\$ 105,000.00	\$ 310.00	\$ 46,500.00	\$ -	\$ -	\$ 418.00	\$ 62,700.00	\$ 500.00	\$ 75,000.00
5	12" LINE VALVE WITH VALVE BOX	Each	6.00	\$ 5,893.34	\$ 35,360.04	11.20%	\$ 4,766.66	\$ 28,599.96	\$ 5,625.00	\$ 33,750.00	\$ -	\$ -	\$ 4,700.00	\$ 28,200.00	\$ 3,600.00	\$ 21,600.00	\$ -	\$ -	\$ 4,000.00	\$ 24,000.00	\$ 6,500.00	\$ 39,000.00
6	ALRW FIRE HYD. ASSEM.	Each	1.00	\$ 8,644.67	\$ 8,644.67	2.74%	\$ 8,702.91	\$ 8,702.91	\$ 8,800.00	\$ 8,800.00	\$ -	\$ -	\$ 10,500.00	\$ 10,500.00	\$ 6,400.00	\$ 6,400.00	\$ -	\$ -	\$ 9,000.00	\$ 9,000.00	\$ 9,500.00	\$ 9,500.00
7	8'-4"x16'-4" WATER METER VAULT & APPT.	Lump Sum	1.00	\$ 25,000.00	\$ 25,000.00	7.92%	\$ 27,636.50	\$ 27,636.50	\$ 39,100.00	\$ 39,100.00	\$ -	\$ -	\$ 64,000.00	\$ 64,000.00	\$ 60,000.00	\$ 60,000.00	\$ -	\$ -	\$ 37,000.00	\$ 37,000.00	\$ 41,000.00	\$ 41,000.00
8	AGGREGATE SURFACE	C.Y.	40.00	\$ 65.00	\$ 2,600.00	0.82%	\$ 72.50	\$ 2,900.00	\$ 50.00	\$ 2,000.00	\$ -	\$ -	\$ 60.00	\$ 2,400.00	\$ 30.00	\$ 1,200.00	\$ -	\$ -	\$ 80.00	\$ 3,200.00	\$ 90.00	\$ 3,600.00
9	MAINTENANCE OF TRAFFIC	Allowance	1.00	\$ 21,400.00	\$ 21,400.00	6.78%	\$ 15,000.00	\$ 15,000.00	\$ 11,000.00	\$ 11,000.00	\$ -	\$ -	\$ 66,500.00	\$ 66,500.00	\$ 2,000.00	\$ 2,000.00	\$ -	\$ -	\$ 18,000.00	\$ 18,000.00	\$ 25,000.00	\$ 25,000.00
10	MOBILIZATION(SEE BELOW)	Lump Sum	1.00	\$ -	\$ -		\$ 16,000.01	\$ 16,000.01	\$ 18,000.00	\$ 18,000.00	\$ -	\$ -	\$ 14,000.00	\$ 14,000.00	\$ 35,000.00	\$ 35,000.00	\$ -	\$ -	\$ 18,000.00	\$ 18,000.00	\$ 18,500.00	\$ 18,500.00
11	N.S. RAILROAD FEES	Allowance	1.00	\$ 13,000.00	\$ 13,000.00	4.12%	\$ 13,000.00	\$ 13,000.00	\$ 13,000.00	\$ 13,000.00	\$ -	\$ -	\$ 13,000.00	\$ 13,000.00	\$ 13,000.00	\$ 13,000.00	\$ -	\$ -	\$ 13,000.00	\$ 13,000.00	\$ 13,000.00	\$ 13,000.00
12	EROSION CONTROL	Lump Sum	1.00	\$ 4,000.00	\$ 4,000.00	1.27%	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ -	\$ -	\$ 7,000.00	\$ 7,000.00	\$ 1,500.00	\$ 1,500.00	\$ -	\$ -	\$ 3,000.00	\$ 3,000.00	\$ 5,000.00	\$ 5,000.00
13	CONSTR. SURVEYING	Lump Sum	1.00	\$ 4,500.00	\$ 4,500.00	1.42%	\$ 4,795.20	\$ 4,795.20	\$ 7,000.00	\$ 7,000.00	\$ -	\$ -	\$ 11,500.00	\$ 11,500.00	\$ 2,500.00	\$ 2,500.00	\$ -	\$ -	\$ 5,500.00	\$ 5,500.00	\$ 5,000.00	\$ 5,000.00
				total	\$ 232,234.01	73.53%																
A	MOB & DEMOB	5%		\$ 10,730.16	\$ 11,611.70	3.68%																
B	BOND	3%		\$ 6,438.09	\$ 6,967.02	2.21%	total bid \$	\$ 240,421.08	total bid \$	\$ 260,900.00	total bid \$	\$ -	total bid \$	\$ 473,900.00	total bid \$	\$ 247,600.00	total bid \$	\$ -	total bid \$	\$ 262,920.00	total bid \$	\$ 325,600.00
C	INSURANCE	3%		\$ 6,438.09	\$ 6,967.02	2.21%	Addendum 1	√	Addendum 1	√	Addendum 1		Addendum 1	√	Addendum 1	√	Addendum 1		Addendum 1	√	Addendum 1	√
D	PCMU	15%		\$ 32,190.47	\$ 34,835.10	11.03%	Addendum 2	√	Addendum 2	√	Addendum 2		Addendum 2	√	Addendum 2	√	Addendum 2		Addendum 2	√	Addendum 2	√
							Addendum 3	√	Addendum 3	√	Addendum 3		Addendum 3	√	Addendum 3	√	Addendum 3		Addendum 3	√	Addendum 3	√
							Addendum 4	√	Addendum 4	√	Addendum 4		Addendum 4	√	Addendum 4	√	Addendum 4		Addendum 4	√	Addendum 4	√
							Bid Bond @10%	√	Bid Bond @10%	√	Bid Bond @10%		Bid Bond @10%	√	Bid Bond @10%	√	Bid Bond @10%		Bid Bond @10%	√	Bid Bond @10%	√
E	OH	10%		\$ 21,460.31	\$ 23,223.40	7.35%	Exceptions	none	Exceptions	none	Exceptions		Exceptions	none	Exceptions	none	Exceptions		Exceptions	none	Exceptions	none
							Errors?	none	Errors?	none	Errors?		Errors?	none	Errors?	none	Errors?		Errors?	none	Errors?	none
				GRAND TOTAL	\$ 315,838.25	100.00%																
				Engineers High End Estimate-Certified																		
				10% OVER ENGINEERS	\$ 347,422.08																	
				by: j.r. gaydar, p.s., p.e., 12/27/2023 @ 08:02 am																		
				REV b 01/03/24 @ 08:57																		



Jack R. Gaydar
P.S., P.E., M.ASCE

AVON LAKE REGIONAL WATER 2023 WATER FILTRATION PLANT UPGRADE

by: j.r. gaydar, p.s., p.e.

DATE: 01/11/24

ENGINEERS BID TAB ANALYSIS

Alternate Bid #	Description	COST	Greatlakes Construction	Lycoming Supply, Inc
1	Water Tank Demo	\$ 145,000.00	No Bid	\$ 64,167.00
2	Aband Settling Tanks Demo	\$ 190,000.00	No Bid	\$ 265,593.00
3	Old Chem-Flocc Bldg Demo	\$ 425,000.00	No Bid	\$ 468,446.00
4	Old Filter Bldd./Admin Bldg-Demo	\$ 425,000.00	No Bid	\$ 498,068.00
5	Remove/replace East Fence	\$ 42,825.25	No Bid	No Bid
5A	Remove/replace WTP mech gate	\$ 22,412.50	No Bid	No Bid
5B	Replace entire N/S fence	\$ 140,203.28	No Bid	No Bid
6	Grind/recoat top surfaces Sed Basin 1-4 Flocc Chm 1-4 Clearwell 4-5	\$ 652,776.00	No Bid	No Bid
7	WFP Generator Synchronization	\$ 150,000.00	No Bid	No Bid
8	Filter Wash Water Backup	\$ 370,272.43	No Bid	No Bid

ALRW= \$ 1,185,000.00

BID ITEM NO	Owner ALRW	Greatlakes Construction	Lycoming Supply, Inc
1	WTP-HDR plans and specs. w/ALRW front end docs. Fluoride building/process (EFI) KUBOTA:RTV-X1140WL-HS	\$ 28,538,717.00	No Bid
2	WFP Access Control (allowance)	\$ 190,000.00	No Bid
3	WFP Signage (allowance)	\$ 20,000.00	No Bid
4	WRF Access Control (allowance)	\$ 105,000.00	No Bid
Base Bid Total		\$ 29,487,335.15	none
Alternate Bids Total		\$ 2,563,489.46	\$ 1,296,274.00
DEMO Alternates Total		\$ 1,185,000.00	\$ 1,296,274.00
Grand Total		\$ 32,050,824.61	\$ 26,633,400.00 \$ 1,296,274.00

Base Bid Comparison

Company	Percent over/under ALRW ENG Est.	Addendum 1	Addendum 2	Addendum 3	Addendum 4	Addendum 5	Addendum 6	Addendum 7	Addendum 8	Addendum 9	Addendum 10	Addendum 11	Addendum 12	Addendum 13	Addendum 14	Addendum 15	Bid Bond @10%	Exceptions	Errors?
Lycoming Supply, Inc	9.39%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	See Below	None
Great Lakes Constr.	7.78%	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	None	None

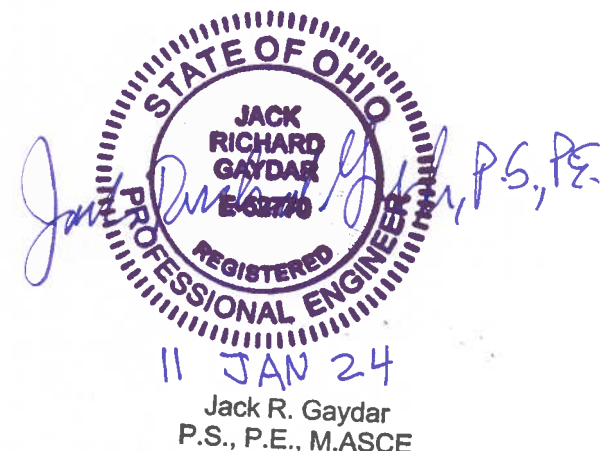
The Great Lakes Construction Co.

LEAD TIMES

The Bidder shall inform the Owner of any lead times for materials that may adversely impact the completion date of the work. The critical electrical equipment (MCC's) have an approximate lead time of 12 weeks for submittals, estimated 2 weeks for submittal reviews by the the Engineer, and 60 weeks for fabrication after submittal approvals. This equals a total of 74 weeks (518 days) after the NTP which will cause the completion time to extend as noted below and on the Bidder's Certification form.

Once the Notice to Proceed is received, my completion timeframe is 104 weeks

104 weeks = 728 calendar days
ALRW Bid Specification = 450 calendar days (61.8% more time)



Ohio Water Development Agency
2024 Water Filtration Plant Improvement Project

Resolution No. 2024-0116

A RESOLUTION AUTHORIZING ROBERT K. MUNRO, CHIEF UTILITIES EXECUTIVE FOR AVON LAKE REGIONAL WATER TO APPLY FOR AND ENTER INTO AN AGREEMENT ON BEHALF OF THE CITY OF AVON LAKE, OHIO BOARD OF MUNICIPAL UTILITIES FOR, PROFESSIONAL SERVICES AND CONSTRUCTION ACTIVITIES FUNDING OF THE 2024 WATER FILTRATION PLANT IMPROVEMENT PROJECT:

Whereas, the City of Avon Lake Board of Municipal Utilities (the Board) seeks to improve certain processes and areas of the Water Filtration Plant for the health, safety, and welfare of the public; and

Whereas, the City of Avon Lake Board of Municipal Utilities opened bids on January 10, 2024 for the project; and

Whereas, the total amount for the project bids and construction administration services total \$29,421,614.00 for the project plus a ten-percent (10%) loan contingency; and

Whereas, the Ohio Water Development Authority (OWDA) requires the applicant to resolve and appoint a representative to accept and enter into a loan agreement to receive the funding,

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF MUNICIPAL UTILITIES
OF THE CITY OF AVON LAKE, STATE OF OHIO:

SECTION 1. That Robert K. Munro be and is hereby authorized, on behalf of the City of Avon Lake Board of Municipal Utilities, to accept and sign all documents for and enter into a loan agreement with the Ohio Water Development Authority for the funding of professional services and construction activities for the 2024 Water Filtration Plant Improvement Project.

SECTION 2. That this resolution shall take effect and be in force from and after the earliest period allowed by law.

Passed: January 16, 2024

Ayes:

Nays:

Chairman, Board of Municipal Utilities

Attest: _____
Clerk of the Board

Moved by: _____

Seconded by: _____