

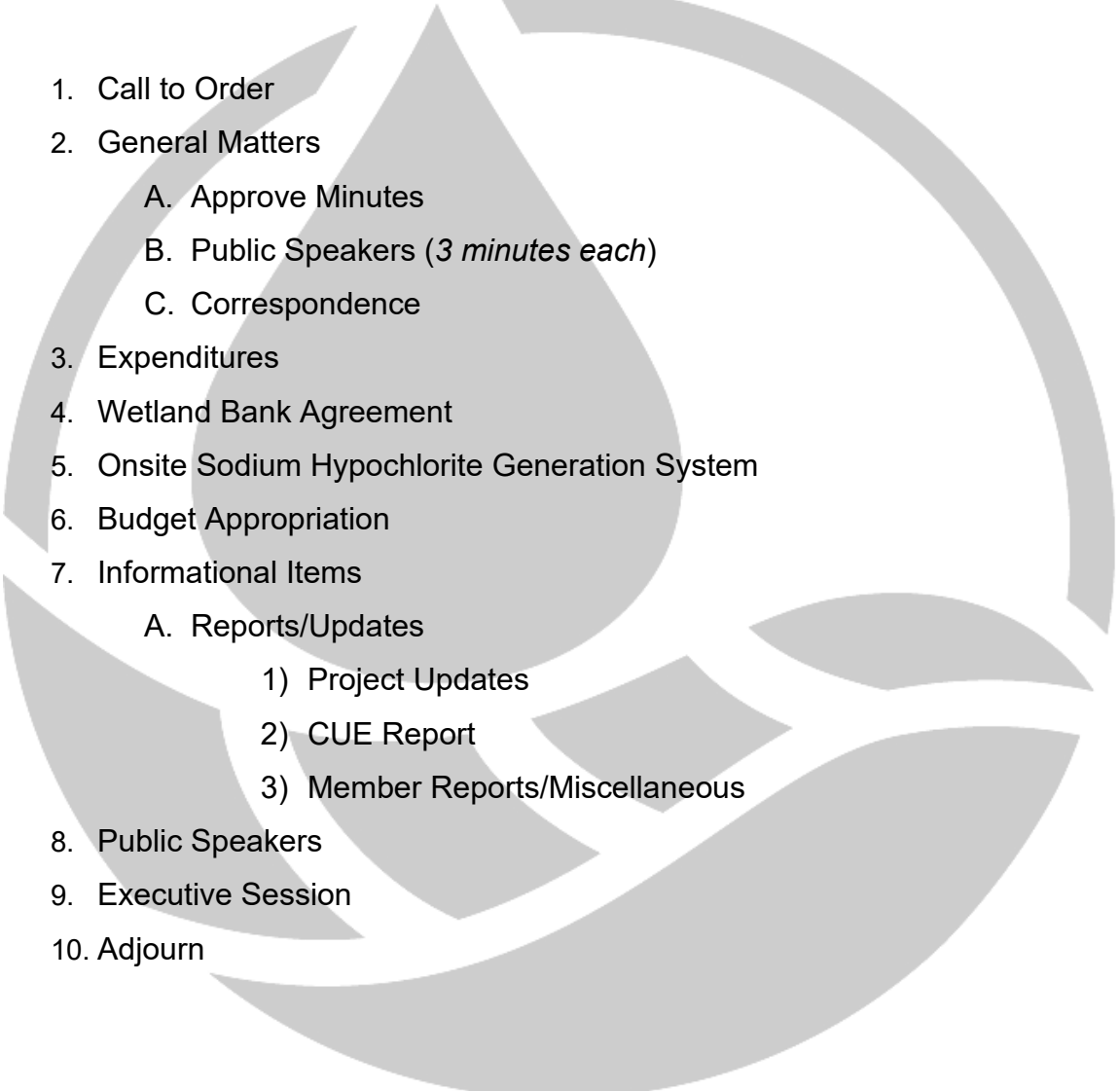
**AGENDA**

For

**Tuesday**

**September 6, 2022**

**6:30 PM**

- 
1. Call to Order
  2. General Matters
    - A. Approve Minutes
    - B. Public Speakers (*3 minutes each*)
    - C. Correspondence
  3. Expenditures
  4. Wetland Bank Agreement
  5. Onsite Sodium Hypochlorite Generation System
  6. Budget Appropriation
  7. Informational Items
    - A. Reports/Updates
      - 1) Project Updates
      - 2) CUE Report
      - 3) Member Reports/Miscellaneous
  8. Public Speakers
  9. Executive Session
  10. Adjourn

Avon Lake Regional Water  
**MEMORANDUM**

To: **Board of Municipal Utilities**  
From: **Rob Munro**  
Subject: **Agenda Items – September 6, 2022**  
Date: **September 2, 2022**

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- Item 1: **Call to Order**
- Item 2A: **Approve Minutes**
- Item 2B: **Public Speakers**
- Item 2C: **Correspondence**
- Item 3: **Expenditures**
- Item 4: **Wetland Bank Agreement – RKM**

The Eastern Transmission Line (ETL) project will require the mitigation of wetlands in certain locations of the project area. This will require the purchase of wetland bank credits in exchange for the disturbed areas of wetlands. Per U.S. Army Corps of Engineer regulations, the credits must be purchased in the same watershed as the disturbance occurs. The Stream + Wetlands Foundation will secure the necessary credits from the Grafton Swamp Wetlands Mitigation Bank. The cost for these credits will be paid for from the ETL1 and ETL2 budget funds as part of this project. Staff is recommending the approval of this agreement.

Recommended Motion:

*I move to authorize the CUE to execute an agreement with the Stream + Wetlands Foundation for the purchase of wetland credits, to be used for the Eastern Transmission Line Redundancy Project, for the not-to-exceed amount of \$138,000.*

- Item 5: **Onsite Sodium Hypochlorite Generation System – RKM**

Staff has seen an increase over the past two years in operating supplies. One component of the operating supplies budget is chlorine gas used for disinfection at the Water Filtration Plant (WFP). As part of the upcoming improvements at the WFP the chlorine gas system will be replaced with a sodium hypochlorite system. In an effort to rely less on third party distributors, generating sodium hypochlorite on site would achieve that goal. HDR was asked to provide a scope and fee estimate for designing the onsite generating system. After review and adjustment of the scope and fee schedule, staff is recommending the approval of Amendment #5.

Recommended Motion:

*I move to authorize the CUE to execute Amendment #5 for the Redundancy and Future Capacity Plan with HDR to include design services for the Onsite Sodium Hypochlorite Generation System in the amount of \$536,206.*

**Item 6: Budget Appropriation – RKM**

To properly account for the design services of the Onsite Sodium Hypochlorite Generation System in the current budget year, it is necessary to appropriate money to the 701 Water Fund – Engineering/Architectural Fees line item. This project was unanticipated in the current budget year and therefore it is necessary to appropriate these funds.

Recommended Motion:

*I move to appropriate \$536,206 from the 701 Water Fund balance to 701.000.000-53806 Engineering & Architectural Fees for the design services of the Onsite Sodium Hypochlorite Generation System.*

**Item 7A1: Project Updates – GKY**

*ETL Design Services:* Staff met with HDR on August 26th to discuss any outstanding items that need to be addressed on the project. HDR will provide final stamped drawings to staff by September 9, 2022. Once wetland credits are purchased then staff will submit the application to the U. S. Army Corps of Engineers for approval. The CUE previously nominated this project for a zero percent loan through the Ohio Water Development Agency. The 2023 program year plan was finalized in August and this project did not receive the zero percent loan. It was accepted by OWDA to qualify as a project for a low interest loan. The CUE continues to work on other funding sources on behalf of the consortium members.

*WFP Improvements:* The completed application is being reviewed by the OEPA. We are expecting the initial comments early to mid-September. Staff and HDR are investigating options for the onsite sodium hypochlorite generating station. Staff had to abandon the idea of purchasing the chemical storage silos from the power plant. Due to the difference in the way the chemicals would be fed there was not enough time to ensure that those silos could be retrofitted to work at the WFP and ensure it was feasible and economical.

*2022 Water Line Bundle Project:* Roadway work is continuing on Avon Point and Armour Rd. Storm sewer work is continuing on Coveland.

*Additional Storage Building:* Staff met with Mr. Clarence Watkins from Bramhall Engineering regarding the structural design of the new storage building. Mr. Watkins is finalizing the structural design so that site work can begin. It is anticipated that site work will begin during the week of September 19th. Blue Scope Construction continues on the design drawings for the building. On August 31st Blue Scope provided to staff the anchor bolt design drawing and the anchor bolt reaction calculations.

Item 7A2:     **CUE Report – RKM**

Item 7A3:     **Member Reports/Miscellaneous**

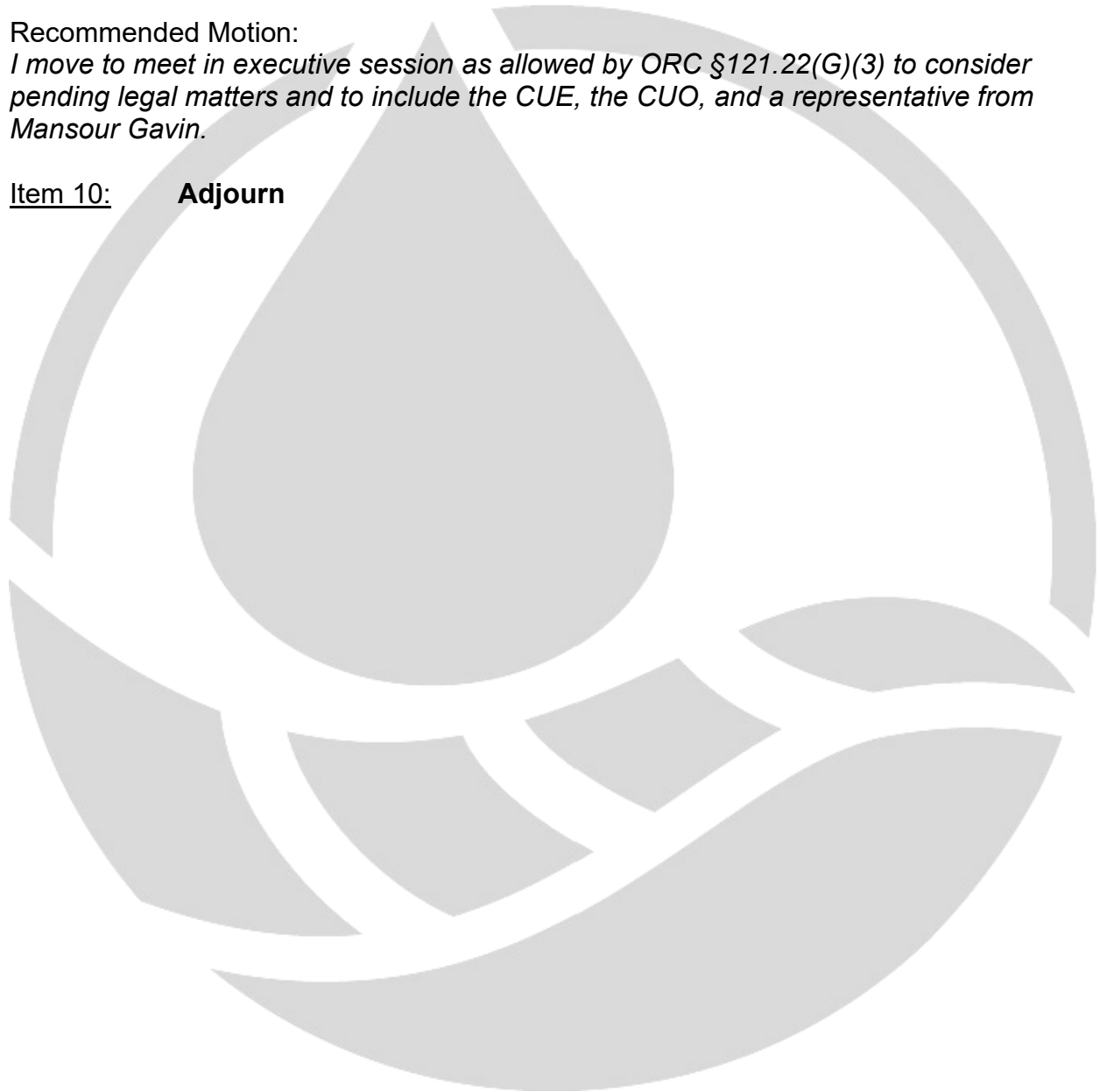
Item 8:       **Public Speakers**

Item 9:       **Executive Session**

Recommended Motion:

*I move to meet in executive session as allowed by ORC §121.22(G)(3) to consider pending legal matters and to include the CUE, the CUO, and a representative from Mansour Gavin.*

Item 10:     **Adjourn**



Board of Municipal Utilities  
**Meeting Minutes**  
**August 16, 2022**  
201 Miller Road  
Avon Lake, Ohio

***Call to Order – Roll Call***

The meeting was called to order at 6:30 PM. 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, Facilities & Asset Manager Kimevski, Attorney Rinker, and Attorney Khawam of Mansour Gavin.

***Approve Minutes***

Mr. Dzwonczyk presented the Minutes of the July 5, 2022 regular meeting. With no 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 dated August 16, 2022, for funds and amounts as follows, Mr. Abram moved, Mr. Rickey seconded, to approve the expenditures of July 1 through August 10, 2022:

Water Fund 701	\$ 1,020,628.67
Wastewater Fund 721	\$ 535,498.26
MOR ETL1 Fund 703	\$ 561,923.23
MOR ETL2 Fund 762	\$ 960,912.78
LORCO Fund 749	\$ 32,505.38
Water Construction Fund 704	\$ 109,885.32
Wastewater Construction Fund 724	\$ 164,440.21
West Ridge Interconnect Fund 702	\$ 47,597.17

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

Nays: None

Motion carried.

## ***Power Plant Update***

Mr. Munro said that Charah held a public meeting on July 19, 2022 at Avon Lake High School. The meeting was attended by Mr. Dzwonczyk, Mr. Yuronich, Mr. Kimevski, and several staff members. Staff spoke with members of the Charah team regarding their concerns related to the proper cleanup of the old power plant site.

Mr. Munro said that staff met with City of Avon Lake representatives to discuss the coordination of activities at the site and to share information. Avon Lake Regional Water is taking the lead role in regard to environmental aspects of the site cleanup.

Mr. Yuronich said that he has been in contact with Ohio EPA in regard to asbestos abatement activities that are taking place at the site. He said that he spoke directly with Kurt Princic, who is the District Chief for the Ohio EPA Northeast District Office, and they have made several inspection visits to the site and the results were favorable. Ohio EPA provided inspection reports from those visits to staff for their records.

Mr. Yuronich stated that he and other staff members toured the old power plant site and were able to view the asbestos removal activities that were taking place. Mr. Dzwonczyk asked to what extent staff was able to see the work being performed within the power plant. Mr. Yuronich said that they were provided a tour of the entire facility, inside and out. Mrs. Schnabel asked who was performing the asbestos abatement. Mr. Munro said that it was a sub-contractor hired by Charah. Mrs. Schnabel asked how does staff know what activities are happening when at the site. Mr. Kimevski said that he is visiting the site a couple times throughout the week to ensure that activities are consistent with what Charah staff are relaying to Avon Lake Regional Water staff. Mr. Dzwonczyk asked Mr. Munro if he could provide an estimate of how much asbestos abatement is complete. Mr. Munro said that he could not provide that estimate because he does not know how much asbestos is contained within the facility.

Mr. Kimevski said that Charah has implemented a color-coded system for drain covers at the site and that proper containment protocols are being followed at the site to control runoff. Once demolition begins at the site, Charah will be required to implement a Storm Water Prevention Plan.

Mr. Dzwonczyk said that he is in contact with site manager Mr. Wayne Woodruff and has received favorable reports from staff in regard to the activities Charah is performing at the site.

Mr. Dzwonczyk asked Mr. Kimevski where the asbestos was taken after removal. Mr. Kimevski said it was being taken to a landfill but he did not know which one. Mr. Rush asked staff if they have had any discussions regarding coal dust and/or PCBs in the plant. Mr. Munro and Mr. Yuronich both stated that they had not had specific discussions with Charah regarding PCB's and/or coal dust.

Mr. Munro closed out the discussion by stating that the number one priority is protecting Lake Erie for the health, safety, and welfare of the public.

## ***Distribution Supplies Bid***

Mr. Munro said that bids were opened on August 10, 2022 for the semi-annual distribution supplies. He said that some bid items went down in price from the previous year but that many of the bid items increased in price. He also stated that the best comparison was to compare the current pricing to the pricing in 2020. Three-quarter (3/4) inch copper has more than tripled in price from 2020 to 2022. This is an indication of the significant price increases that the utility is experiencing. Mr. Munro said that the items on the bid are estimated quantities and are plus or minus and there is no guarantee to a vendor of how many items will be purchased under this contract.

Mr. Rush stated that he counted twenty-one (21) items that received no bid from either bidder and asked how staff would handle those items. Mr. Munro said that staff has fulfilled the requirement of publicly bidding the items and that if they need to purchase any of these items they may do so after receiving the appropriate quotes.

Mr. Dzwonczyk said that with the high cost of these materials that staff should take exceptional care to ensure that the materials in inventory are secured appropriately.

With no further discussion, Mrs. Schnabel moved, Mr. Rush seconded, that the semi-annual Distribution Supplies bids be awarded, effective September 1 through December 31, 2022, in accordance with the following:

Supplier: **Core & Main**  
Bid Items: 1A-1D, 2A-2D, 3A-3D, 4A-4V, 5A, 5B, 6A-6E, 7A, 7B, 8, 9A-9E, 10A-10K, 11A-11M, 12A-12C, 14-14H, 15A-15C, 16A-16E, 17A-17J, 18A-18H, 19A-19D, 20A-20D, 21A-21C, 22A-22L, 23A-23I, 24A-24S, 25A, 25B, 26A-26C, 29-29E, 30-30I, 31-31C, 32-32B, 33, 34, 35-35B, 36-36B, 37-37K, 38-38C, 38E, 39-39B, 39F, 39H, 40, 41, 42-42D.

Total Contract: **\$2,061,159.55**

Supplier: **Pipelines, INC**  
Bid Items: 12D, 12E, 13A-13C

Total Contract: **\$13,250.50**

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

Nays: None

Motion carried.

## ***Project Updates***

**ETL Design Services:** Mr. Yuronich said that there were some elevation changes to the suction line design that required additional review by staff. Staff has reviewed those changes and provided comments to HDR. Mr. Yuronich said that easement acquisition work continues and currently Attorney Schrader is focusing his efforts with First Energy as they own the most parcels where easements are needed. The CUE is currently reviewing a proposed agreement from the Stream & Wetlands Foundation for the purchase of wetland credits to be used for wetland mitigation on this project. Once this agreement is executed, and credits are secured, the permit with the US Army Corps of Engineers can be submitted for approval.

*WFP Improvements:* Mr. Yuronich said the application was submitted to Ohio EPA for approval of the design and comments should be received sometime in September. Staff and HDR are investigating options for both the onsite sodium hypochlorite generating station as well as the feasibility of purchasing chemical storage silos from the power plant before they are scrapped. Mr. Munro said that there is other equipment at the power plant that staff is interested in procuring before it is scrapped. He said that this could be a significant cost savings compared to purchasing new equipment.

*2022 Water Line Bundle Project:* Mr. Yuronich said that UUI is finishing up the waterline work on Redwood Blvd. west of State Route 83 during the week of August 18, 2022 prior to students and teachers returning for the new school year. Roadway work continues on Avon Point and Armour Rd. and storm sewer work will begin on Coveland during the week of August 22, 2022.

Mr. Dzwonczyk asked about the work on Coveland and what was being done there. Mr. Munro said that it was storm sewer work that is being completed under the bundle project and that the City of Avon Lake is paying for this work. The current storm drains are undersized and are susceptible to clogging and this work will install a new storm sewer and the appropriately sized catch basins.

### ***CUE Report***

Mr. Munro informed the Board that staff received one of the Ford F550 trucks that was ordered in July of 2021. He also stated that the second truck that was ordered at the same time should arrive this month.

Mr. Munro reported that staff is currently working with HDR on the scope of services for the onsite sodium hypochlorite generating station. He said he anticipates that staff will have a recommended motion for approval at the September 6, 2022 meeting.

Mr. Munro reported that the Engineering Services group is working on cost estimates for the 2023 Water Line Bundle Project. Currently there are ten (10) streets that are being considered for waterline replacement. The waterline on these streets is over seventy (70) years old and staff is experiencing more frequent repairs due to its age.

### ***Miscellaneous & Member Reports***

Mr. Abram said that he was reviewing City Council ordinances that were on the agenda for passage and there was reference to Avon Lake Regional Water comments for the Legacy Isle Subdivision Phase 2. He asked if Mr. Munro would explain what the comments were and if they had been addressed. Mr. Munro said he did not know what the specific comments were but that the Engineering Services group reviews all subdivision plans to ensure that specifications are met for water and sanitary sewers. It is common that approval of subdivisions by Council will include conditions that address staff comments. As long as the comments are addressed to satisfaction of staff then the subdivision is approved by Council.

### ***Public Speakers***

None.



## ***Executive Session***

Mr. Rush stated that the Board may choose to take action after the Executive Session.

Mr. Rush moved, and Mr. Abram seconded, to meet in executive session as allowed by ORC §121.22 G (1), ORC §121.22 G (2) and ORC §121.22 G (3) to consider personnel, the purchase and/or sale of property, and pending legal matters and to include the CUE, the CUO, the Facilities & Asset Manager, and representatives from Mansour Gavin.

Ayes (per roll-call vote): Abram, Dzwonczyk, Rickey, Rush, and Schnabel.

Nays: None

Motion carried.

The Board reconvened at 8:26 PM.

## ***Water and Sewer District***

Attorney Rinker and Attorney Khawam presented information to the Board regarding the formation of a water and sewer district as allowed by O.R.C. §6119. There was discussion regarding the pros and cons of forming this type of district and what necessary steps are required to form such a district. Attorney Rinker stated that it would require a change to the Avon Lake Charter and that staff and the Board would need to engage City Council and the Mayor to facilitate the process from a legislative standpoint so the change could be placed on the ballot for voters.

## ***Adjourn***

As there was no further business, Mr. Abram moved to adjourn, and Mr. Rush seconded. The meeting adjourned at 9:24 PM.

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

Nays: None

Motion carried.

Approved September 6, 2022.

John Dzwonczyk, Chairman

Robert Munro, Clerk



**AVON LAKE REGIONAL WATER**  
**FUND 701 - WATER**  
**AUGUST 11 - SEPTEMBER 1, 2022**  
**SEPTEMBER 6, 2022**

Vendor	Amount	Description	G/L Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1 Water Employees	\$ 57,438.41	Salaries PR Post BW 2202216	51102				
2 Water Employees	\$ 57,788.33	Salaries PR Post BW 2202217	51102	\$ 115,226.74	\$ 994,517.09	\$ 2,049,507.00	51.48%
3 Water Employees	\$ 1,793.68	Overtime Wages Plant PR Post BW 2202216	51106.101				
4 Water Employees	\$ 1,374.87	Overtime Wages Plant PR Post BW 2202217	51106.101				
5 Water Employees	\$ 416.88	Overtime Wages Dist/Col PR Post BW 2202216	51106.102				
6 Water Employees	\$ 308.92	Overtime Wages Dist/Col PR Post BW 2202217	51106.102				
7 Water Employees	\$ 540.92	Overtime Wages Admin PR Post BW 2202216	51106.103				
8 Water Employees	\$ 725.25	Overtime Wages Admin PR Post BW 2202217	51106.103				
9 Water Employees	\$ 561.32	Overtime Wages Construction PR Post BW 2202216	51106.104				
10 Water Employees	\$ 495.52	Overtime Wages Construction PR Post BW 2202217	51106.104				
11 Water Employees	\$ 357.52	Overtime Wages Office PR Post BW 2202216	51106.105				
12 Water Employees	\$ 583.10	Overtime Wages Office PR Post BW 2202217	51106.105	\$ 7,157.98	\$ 74,607.93	\$ 113,157.00	34.07%
13 Water Employees	\$ 3,978.16	Employee Time Buy Back PR Post BW 2202216	52115	\$ 3,978.16	\$ 50,069.87	\$ 138,600.00	63.87%
14 Water Employees	\$ (1,353.11)	Hospitalization PR Post BW 2202216 Hospitalization	52203				
15 Water Employees	\$ 672.52	MMO Share Payment - Week Ending 08/12/22	52203				
16 Water Employees	\$ 221.56	MMO Share Payment - Week Ending 08/12/22	52203				
17 Medical Mutual	\$ 23,879.43	Hospitalization - Medical Mutual 8/16/22	52203				
18 Ameritas Life Insurance Co.	\$ 905.98	Dental - September 2022	52203				
19 Ameritas Life Insurance Co.	\$ 181.45	Vision - September 2022	52203				
20 Medical Mutual	\$ (266.85)	Hospitalization - Medical Mutual 8/16/22	52203				
21 Water Employees	\$ 2,528.24	Hospitalization PR Post BW 2202217	52203				
22 Water Employees	\$ (1,353.11)	Hospitalization - PR Post BW 2202217	52203	\$ 25,416.11	\$ 313,233.01	\$ 543,779.00	42.40%
23 Medical Mutual	\$ 330.23	Group Life - Medical Mutual	52204	\$ 330.23	\$ 2,945.26	\$ 4,255.00	30.78%
24 OPERS	\$ 8,683.91	OPERS - EMPLOYEE - OPERS Pension - Employee Share* 8/11/22	52209				
25 OPERS	\$ 8,529.67	OPERS - EMPLOYEE - OPERS Pension - Employee Share* 8/25/22	52209	\$ 17,213.58	\$ 155,238.82	\$ 296,176.00	47.59%
26 Internal Revenue Service	\$ 915.26	Medicare - FEDERAL - Federal Taxes* 8/11/22	52212				
27 Internal Revenue Service	\$ 896.64	Medicare - FEDERAL - Federal Taxes* 8/25/22	52212	\$ 1,811.90	\$ 16,372.40	\$ 32,250.00	49.23%
28 Robert J Lulfs	\$ 25.00	Edu - Parking One Water Conference 7/27/22 - GY	53500				
29 Huntington National Bank	\$ 926.84	Charges on MC - July 2022 - One Water Event Registrations - JC 1/1	53500				
30 Huntington National Bank	\$ 20.52	Charges on MC - July 2022 - Vapor Barrier, Parking - GY 1/4	53500				
31 Huntington National Bank	\$ 155.40	Charges on MC - July 2022 - GoDaddy Renew, Hotel, Zoom - RKM 1/6	53500	\$ 1,127.76	\$ 7,335.76	\$ 40,000.00	81.66%
32 Quadient Leasing USA, Inc.	\$ 234.20	Postage Machine Quarterly Lease Payment @ 201 Miller Rd - GY 1/2	53602				
33 Quadient Finance USA, Inc	\$ 350.00	Postage Refill for Postage Machine 8/15/22 - GY 1/2	53602				
34 Quill Corporation	\$ 58.27	Off Spl - Shut Off Notice Copy Paper 8/2/22 - GY 1/2	53602				
35 Huntington National Bank	\$ 10.33	Charges on MC - July 2022 - Food for Mtgs, Folders - RTK 1/8	53602				
36 Avon Lake Printing	\$ 198.00	Off Spl - WPA WFP Lab Forms 8/15/22 - JC	53602				
37 Link Computer Corporation	\$ 2,430.23	Muni-Link Billing - September 2022 - GY 1/3	53602				
38 Staples Advantage	\$ 17.64	Off Spl - Hanging File Folders 8/13/22 - GY 1/2	53602				
39 Fedex Corp	\$ 186.34	Shipping Charges - Contracts - Chem Bids - JG 1/2	53602	\$ 3,485.01	\$ 37,119.88	\$ 63,250.00	41.31%
40 Municipay Fees	\$ 1,253.37	Municipay Monthly Fees - July 2022 1/2	53611				
41 Jones Chemicals Inc.	\$ 14,700.00	Op Spl - Chlorine @ WFP 8/9/22 - JC	53611				
42 Bonded Chemicals Inc	\$ 5,011.70	Op Spl - Hydrated Lime 7/27/22 - JC	53611				
43 Bonded Chemicals Inc	\$ 21,000.00	Op Spl - Sodium Silicofluoride 8/3/22 - JC	53611				
44 Sal Chemical Company	\$ 5,250.00	Op Spl - SmartPhos 8/11/22 - JC	53611				
45 USALCO, LLC Inc.	\$ 56,287.03	Op Spl - Alum - JC	53611	\$ 103,502.10	\$ 859,397.03	\$ 794,800.00	-8.13%
46 Roberts Surveying Supplies Inc.	\$ 198.90	Mnt Spl - Safety Vests (4) 8/17/22 - JG 1/2	53612				
47 USA Bluebook	\$ 308.14	Mnt Spl - Granular Chlorine 8/12/22 - RTK	53612				
48 Core & Main LP	\$ 15,872.32	Mnt Spl - Gaskets (40), Meter Box Covers, Risers - RTK	53612.001				
49 Lowe's	\$ 634.11	Mnt Spl - July 2022 - RTK 1/2	53612.001				
50 McMaster-Carr	\$ 34.53	Mnt Spl - Spring Plungers 8/8/22 - RTK 1/2	53612.001				
51 Grainger	\$ 432.97	Mnt Spl - Angle Grinder, Brooms, Driers, V-Belts - RTK 1/2	53612.001				
52 Swift First Aid Corp	\$ 59.57	Svc to First Aid Cabinet @ WFP & 201 Miller Rd - JC/GY	53612.001				
53 Huntington National Bank	\$ 100.69	Charges on MC - July 2022 - Food for Mtgs, Folders - RTK 2/8	53612.001				
54 Rock Pile Inc	\$ 84.00	Mnt Spl - Top Soil 8/15/22 - RTK	53612.004				

55	Tree Scapes & Nursery, LTD	\$ 114.00	Mnt Spl - Lawn Repair Materials 8/9/22 - RTK	53612.004					
56	Ferguson Waterworks	\$ 24,296.58	Meters - 6"x18" Octave (3) 8/9/22 - RTK	53612.005	\$ 42,135.81	\$ 261,333.34	\$ 492,323.35		46.92%
57	Alloway Corp	\$ 410.00	Lab Analysis @ WFP - JC	53613					
58	Fisher Scientific Inc.	\$ 604.06	Lab Spl @ WFP - Pipet Tips 8/16/22 - JC	53613					
59	Environmental Resources Assoc. Inc.	\$ 473.20	Lab Spl @ WFP - JC	53613	\$ 1,487.26	\$ 58,470.24	\$ 89,600.00		34.74%
60	Technology Management Solutions Inc	\$ 2,532.48	Cnt Svc - Computer Support/Back Up - GY 1/2	53701					
61	Huntington National Bank	\$ 35.96	Charges on MC - July 2022 - Food for Mtgs, Folders - RTK 3/8	53701					
62	Huntington National Bank	\$ 246.02	Charges on MC - July 2022 - GoDaddy Renew, Hotel, Zoom - RKM 2/6	53701					
63	Huntington National Bank	\$ 94.26	Charges on MC - July 2022 - DDAGW EPA Plan Review Fees - JG 1/2	53701					
64	ComDoc, Inc.	\$ 290.52	Cnt Svc - Xerox Copier Metering - GY 1/2	53701					
65	U.S. Bank Equipment Finance Inc	\$ 334.35	Cnt Svc - Xerox Copier Leases 8/5/22 - GY 1/2	53701.001					
66	LimnoTech Inc	\$ 600.00	Cnt Svc - Data Sonde Calibration @ WFP 8/23/22 - GY	53701.002	\$ 4,133.59	\$ 221,674.48	\$ 357,429.26		37.98%
67	Columbia Gas	\$ 196.55	gas svc @ 33370 Lake Rd WFP 7/19/22-8/17/22 - GY	53702.001					
68	Columbia Gas	\$ 46.36	gas svc @ 33370 Lake Rd - Garage 7/19/22-8/17/22 - GY	53702.002					
69	Columbia Gas	\$ 81.03	gas svc @ 33370 Lake Rd WFP Aux 7/19/22-8/17/22 - GY	53702.002					
70	Columbia Gas	\$ 37.46	gas svc @ 33399 Lake Rd SIP Bldg 7/19/22-8/17/22 - GY	53702.002					
71	Columbia Gas	\$ 38.46	gas svc @ 33370 Lake Rd WFP Lab 7/19/22-8/17/22 - GY	53702.002	\$ 399.86	\$ 20,387.78	\$ 28,750.00		29.09%
72	Engie Resources	\$ 183,381.40	elec svc @ various addresses 8/15/22 - GY	53703.001					
73	Engie Resources	\$ 1,969.58	elec svc charge @ 33370 Lake Rd - August 2022 - GY	53703.001					
74	Illuminating Company	\$ 6,581.69	elec svc @ 33370 Lake Rd 7/19/22-8/16/22 - GY	53703.001					
75	Illuminating Company	\$ 2,474.90	elec svc @ 33385 Lake Rd SIP Bldg 7/7/22-8/4/22 - GY	53703.002					
76	Illuminating Company	\$ 18,866.49	elec svc @ 33385 Lake Rd SIP PS 7/7/22-8/4/22 - GY	53703.002					
77	Engie Resources	\$ 21,463.03	elec svc charge @ 33385 Lake Rd - July 2022 - GY	53703.002	\$ 234,737.09	\$ 967,724.34	\$ 863,610.00		-12.06%
78	Charter Communications	\$ 164.99	Internet Svc @ 201 Miller Rd 8/14/22-9/13/22 - GY	53705					
79	CBTS	\$ 412.95	Telephone Svc 7/20/22-8/19/22 - GY	53705	\$ 577.94	\$ 27,022.79	\$ 25,235.00		-7.08%
80	NAPA Ohio Inc.	\$ 249.00	Eqp Mnt - August 2022 - RTK 1/2	53707	\$ 249.00	\$ 7,293.78	\$ 23,000.00		68.29%
81	Coverall North America, Inc.	\$ 706.00	Cleaning Svc @ 201 Miller Rd & WFP - August 2022 - RKM 1/2	53708					
82	Grainger	\$ 50.00	Bldg Mnt - Saddle Thresholds for Door @ 201 Miller 8/23/22 - RTK 1/2	53708					
83	Kinzua Environmental Inc.	\$ 1,045.90	Bldg Mnt - Zap Concentrate @ WFP 8/4/22 - RTK	53708.001					
84	Huntington National Bank	\$ 139.98	Charges on MC - July 2022 - Food for Mtgs, Folders - RTK 4/8	53708.001	\$ 1,941.88	\$ 72,582.76	\$ 151,315.00		52.03%
85	Huntington National Bank	\$ 153.99	Charges on MC - July 2022 - GoDaddy Renew, Hotel, Zoom - RKM 3/6	53804					
86	GovConnection Inc	\$ 3,308.50	Eqp - Server R550 7/25/22 - RKM 1/2	53804.001					
87	National Auto Fleet Group	\$ 35,237.03	2022 Ford Super Duty F-550 DRW (W5H) XLT 4WD 8/24/22 - RKM 1/2	53804.004	\$ 38,699.52	\$ 205,893.73	\$ 467,425.00		55.95%
88	Seeley, Savidge, Ebert & Gourash Co., LPA	\$ 740.00	Legal Fees - General Charges 8/15/22 - RKM	53907.002	\$ 740.00	\$ 17,425.79	\$ 54,000.00		67.73%
		\$ 604,351.52			\$ 604,351.52				



**FUND 721 - WASTEWATER  
AUGUST 11 - SEPTEMBER 1, 2022  
SEPTEMBER 6, 2022**

	<b>Vendor</b>	<b>Amount</b>	<b>Description</b>	<b>G/L Acct</b>	<b>G/L Sum</b>	<b>YTD Transactions</b>	<b>Budget</b>	<b>% of Budget Remaining</b>
1	Wastewater Employees	\$ 62,178.64	Salaries PR Post BW 2202216	51102				
2	Wastewater Employees	\$ 62,528.67	Salaries PR Post BW 2202217	51102	\$ 124,707.31	\$ 1,044,485.69	\$ 1,564,595.00	33.24%
3	Wastewater Employees	\$ 2,080.00	Part Time Wages PR Post BW 2202216	51105				
4	Wastewater Employees	\$ 2,080.00	Part Time Wages PR Post BW 2202217	51105	\$ 4,160.00	\$ 39,410.31	\$ 81,932.00	51.90%
5	Wastewater Employees	\$ 2,025.25	Overtime Wages Plant PR Post BW 2202216	51106.101				
6	Wastewater Employees	\$ 2,544.14	Overtime Wages Plant PR Post BW 2202217	51106.101				
7	Wastewater Employees	\$ 559.12	Overtime Wages Dist/Col PR Post BW 2202216	51106.102				
8	Wastewater Employees	\$ 308.92	Overtime Wages Dist/Col PR Post BW 2202217	51106.102				
9	Wastewater Employees	\$ 540.91	Overtime Wages Admin PR Post BW 2202216	51106.103				
10	Wastewater Employees	\$ 725.24	Overtime Wages Admin PR Post BW 2202217	51106.103				
11	Wastewater Employees	\$ 1,663.07	Overtime Wages Construction PR Post BW 2202216	51106.104				
12	Wastewater Employees	\$ 856.27	Overtime Wages Construction PR Post BW 2202217	51106.104	\$ 9,222.92	\$ 87,285.23	\$ 110,727.00	21.17%
13	Wastewater Employees	\$ 3,059.20	Employee Time Buy Back PR Post BW 2202216	52115	\$ 3,059.20	\$ 50,643.15	\$ 72,341.00	29.99%
14	Wastewater Employees	\$ (1,740.27)	Hospitalization PR Post BW 2202216	52203				
15	Wastewater Employees	\$ 2,361.60	MMO Share Payment - Week Ending 08/12/22	52203				
16	Wastewater Employees	\$ 1,254.66	MMO Share Payment - Week Ending 08/12/22	52203				
17	Medical Mutual	\$ 28,604.21	Hospitalization - Medical Mutual 8/16/22	52203				
18	Ameritas Life Insurance Co.	\$ 1,077.62	Dental - September 2022	52203				
19	Ameritas Life Insurance Co.	\$ 215.03	Vision - September 2022	52203				
20	Medical Mutual	\$ (88.95)	Medical Mutual - Hospitalization	52203				
21	Wastewater Employees	\$ 191.17	MMO HRA Payment-week ending 08/19/22	52203				
22	Wastewater Employees	\$ 383.94	MMO Share Payment-week ending 08/19/22	52203				
23	Wastewater Employees	\$ 3,263.60	Hospitalization PR Post BW 2202217	52203				
24	Wastewater Employees	\$ (1,740.27)	Hospitalization PR Post BW 2202217	52203				
25	Wastewater Employees	\$ 1,678.51	MMO HRA Payment-week ending 08/26/22	52203	\$ 35,460.85	\$ 371,459.97	\$ 493,892.00	24.79%
26	Medical Mutual	\$ 383.62	Group Life - Medical Mutual	52204	\$ 383.62	\$ 3,309.81	\$ 4,180.00	20.82%
27	OPERS	\$ 9,666.56	OPERS - EMPLOYEE - OPERS Pension - Employee Share* 8/11/22	52209				
28	OPERS	\$ 9,617.03	OPERS - EMPLOYEE - OPERS Pension - Employee Share* 8/25/22	52209	\$ 19,283.59	\$ 167,259.43	\$ 237,129.00	29.46%
29	Internal Revenue Service	\$ 1,007.52	Medicare - FEDERAL - Federal Taxes*	52212				
30	Internal Revenue Service	\$ 1,010.39	Medicare - FEDERAL - Federal Taxes*	52212	\$ 2,017.91	\$ 17,701.19	\$ 24,788.00	28.59%
31	Huntington National Bank	\$ 20.52	Charges on MC - July 2022 - Vapor Barrier, Parking - GY 2/4	53500				
32	Huntington National Bank	\$ 155.40	Charges on MC - July 2022 - GoDaddy Renew, Hotel, Zoom - RKM 4/6	53500	\$ 175.92	\$ 6,975.31	\$ 40,000.00	82.56%
33	Quadient Leasing USA, Inc.	\$ 234.19	Postage Machine Quarterly Lease Payment @ 201 Miller Rd - GY 2/2	53602				
34	Quadient Finance USA, Inc	\$ 350.00	Postage Refill for Postage Machine 8/15/22 - GY 2/2	53602				
35	Quill Corporation	\$ 58.27	Off Spl - Shut Off Notice Copy Paper 8/2/22 - GY 2/2	53602				
36	Huntington National Bank	\$ 10.32	Charges on MC - July 2022 - Food for Mtgs, Folders - RTK 5/8	53602				
37	Link Computer Corporation	\$ 810.07	Muni-Link Billing - September 2022 - GY 2/3	53602				
38	Staples Advantage	\$ 17.65	Off Spl - Hanging File Folders 8/13/22 - GY 2/2	53602				
39	Fedex Corp	\$ 215.15	Shipping Charges - Contracts - Chem Bids, Cerlic Probe - JG 2/2	53602	\$ 1,695.65	\$ 17,561.07	\$ 40,000.00	56.10%
40	Allen Refrigeration Inc.	\$ 762.32	Eqp Mnt - 5800 Sampler Repair @ WRF 7/28/22 - RH	53607	\$ 762.32	\$ 26,386.13	\$ 150,000.00	82.41%
41	Municipal Fees	\$ 1,253.36	Municipal Monthly Fees - July 2022 2/2	53611				
42	Sal Chemical Company	\$ 13,909.70	Op Spl - Caustic Soda 50% Diaphragm 8/8/22 - RH	53611				
43	Sal Chemical Company	\$ 8,232.00	Op Spl - Sodium Bicarbonate 8/4/22 - RH	53611				
44	Polydyne, Inc	\$ 23,281.98	Op Spl - Polymer 8/24/22 - RH	53611	\$ 46,677.04	\$ 336,572.21	\$ 241,500.00	-39.37%
45	Roberts Surveying Supplies Inc.	\$ 198.90	Mnt Spl - Safety Vests (4) 8/17/22 - JG 2/2	53612				
46	Mcmaster-Carr	\$ 148.63	Mnt Spl - Spring Plungers, Tygon Tube, Welding Rod - RTK 2/2	53612.001				
47	United Laboratories Inc.	\$ 189.90	Mnt Spl - Manual Soap Dispensers @ WRF 8/4/22 - RH	53612.001				
48	Lowe's	\$ 188.51	Mnt Spl - July 2022 - RTK 2/2	53612.001				
49	Swift First Aid Corp	\$ 69.53	Svc to First Aid Cabinets @ 201 Miller Rd & WRF - GY 2/2	53612.001				
50	Huntington National Bank	\$ 197.52	Charges on MC - July 2022 - Food for Mtgs, Folders - RTK 6/8	53612.001				
51	Huntington National Bank	\$ 652.72	Charges on MC - July 2022 - Oil Seals, Electrode, LEDs - RH 1/1	53612.001				
52	Mars Electric Company	\$ 469.62	Mnt Spl @ WRF - RTK	53612.001				
53	Grainger	\$ 251.18	Mnt Spl - Angle Grinder, Brooms, Shovel Handles - RTK 2/2	53612.004	\$ 2,366.51	\$ 44,234.13	\$ 126,209.36	64.95%
54	Jones & Henry Laboratories Inc.	\$ 176.00	Lab Testing @ WRF 8/4/22 - RH	53613				
55	Alloway Corp	\$ 240.00	Lab Analysis @ WRF - RH	53613	\$ 416.00	\$ 20,959.68	\$ 37,500.00	44.11%
56	AECOM Technical Services, Inc.	\$ 3,305.00	Cnt Svc - Flow Monitoring @ WRF 8/3/22 - RH	53701				

57	Technology Management Solutions Inc	\$ 2,532.48	Cnt Svc - Computer Support/Back Up - GY 2/2	53701					
58	Huntington National Bank	\$ 94.26	Charges on MC - July 2022 - DDAGW EPA Plan Review Fees - JG 2/2	53701					
59	Huntington National Bank	\$ 35.96	Charges on MC - July 2022 - Food for Mtgs, Folders - RTK 7/8	53701					
60	Huntington National Bank	\$ 246.02	Charges on MC - July 2022 - GoDaddy Renew, Hotel, Zoom - RKM 5/6	53701					
61	ComDoc, Inc.	\$ 96.82	Cnt Svc - Xerox Copier Metering 8/1/22 - GY 2/2	53701					
62	U.S. Bank Equipment Finance Inc	\$ 334.34	Cnt Svc - Xerox Copier Leases 8/5/22 - GY 2/2	53701.001					
63	Kimble Recycling & Disposal	\$ 660.00	Cnt Svc - Front Load Container 8/1/22 - RH	53701.002					
64	Kimble Recycling & Disposal	\$ 35,723.25	Sludge Hauling - July 2022 - RH	53701.007	\$ 43,028.13	\$ 486,000.20	\$ 758,084.27		35.89%
65	Columbia Gas	\$ 836.02	gas svc @ 33675 Durrell 8/9/22 - GY	53702.001					
66	IGS Energy	\$ 3,124.17	gas svc charge @ 33675 Durrell - July 2022 - GY	53702.001					
67	Columbia Gas	\$ 38.36	gas svc @ 641 Lear Rd 7/5/22-8/3/22 - GY	53702.002					
68	Columbia Gas	\$ 38.34	gas svc @ 671 Bridgeside 6/29/22-7/29/22 - GY	53702.003					
69	Columbia Gas	\$ 40.08	gas svc @ 100 Woodbridge Way 6/29/22-7/29/22 - GY	53702.003					
70	Columbia Gas	\$ 37.46	gas svc @ 32789 Lake Rd - Center Rd PS 7/19/22-8/17/22 - GY	53702.003	\$ 4,114.43	\$ 75,857.81	\$ 59,400.00		-27.71%
71	Illuminating Company	\$ 23,975.46	elec svc @ Waterbury Ave 7/6/22-8/3/22 - GY	53703.001					
72	Illuminating Company	\$ 5.45	elec svc @ 209 Avondale 7/9/22-8/5/22 - GY	53703.003					
73	Illuminating Company	\$ 1,891.59	elec svc @ 32789 Lake Rd PS 7/7/22-8/5/22 - GY	53703.003					
74	Illuminating Company	\$ 106.56	elec svc @ 31900 Lake Rd 7/6/22-8/4/22 - GY	53703.003					
75	Illuminating Company	\$ 189.13	elec svc @ 641 Lear Rd 7/2/22-8/4/22 - GY	53703.003					
76	Illuminating Company	\$ 123.79	elec svc @ Woodbridge Way 7/6/22-8/4/22 - GY	53703.003					
77	Illuminating Company	\$ 111.15	elec svc @ 671 Bridgeside PS 7/2/22-8/4/22 - GY	53703.003					
78	Illuminating Company	\$ 87.91	elec svc @ 810 Avon Belden 7/12/22-8/8/22 - GY	53703.004					
79	Illuminating Company	\$ 87.91	elec svc @ 758 Jaycox Rd Sewer 7/2/22-8/4/22 - GY	53703.004	\$ 26,578.95	\$ 278,727.35	\$ 368,500.00		24.36%
80	Charter Communications	\$ 164.99	Internet Svc @ 201 Miller Rd 8/14/22-9/13/22 - GY 2/2	53705					
81	CBTS	\$ 412.95	Telephone Svc 7/20/22-8/19/22 - GY 2/2	53705	\$ 577.94	\$ 19,316.42	\$ 25,500.00		24.25%
82	NAPA Ohio Inc.	\$ 249.00	Eqp Mnt - August 2022 - RTK 2/2	53707	\$ 249.00	\$ 8,944.67	\$ 21,000.00		57.41%
83	Sherwin Williams Company Inc	\$ 120.57	Bldg Mnt - Paint & Supplies for WRF 8/15/22 - RTK	53708					
84	Coverall North America, Inc.	\$ 976.00	Cleaning Svc @ 201 Miller Rd & WRF - August 2022 - RKM 2/2	53708					
85	Grainger	\$ 49.99	Bldg Mnt - Saddle Thresholds for Door @ 201 Miller 8/23/22 - RTK 2/2	53708					
86	Huntington National Bank	\$ 139.98	Charges on MC - July 2022 - Food for Mtgs, Folders - RTK 8/8	53708.001	\$ 1,286.54	\$ 34,661.43	\$ 89,250.00		61.16%
87	Huntington National Bank	\$ 153.99	Charges on MC - July 2022 - GoDaddy Renew, Hotel, Zoom - RKM 6/6	53804					
88	GovConnection Inc	\$ 3,308.50	Eqp - Server R550 7/25/22 - RKM 2/2	53804.001					
89	National Auto Fleet Group	\$ 35,237.03	2022 Ford Super Duty F-550 DRW (W5H) XLT 4WD 8/24/22 - RKM 2/2	53804.004	\$ 38,699.52	\$ 208,318.17	\$ 362,271.42		42.50%
90	Seeley, Savidge, Ebert & Gourash Co., LPA	\$ 740.00	Legal Fees - General Charges 8/15/22 - RKM 2/2	53907.002	\$ 740.00	\$ 37,201.95	\$ 95,000.00		60.84%
		\$ 365,663.35			\$ 365,663.35				



**FUND 703 - ETL1**  
**AUGUST 11 - SEPTEMBER 1, 2022**  
**SEPTEMBER 6, 2022**

	Vendor	Amount	Description	G/L Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1	Active Plumbing Supplies	\$ 205.15	Mnt Spl - PVC Pipe, Caps 8/15/22 - RTK 1/2	53612.002				
2	Core & Main LP	\$ 627.72	Mnt Spl - MJ Caps for ETL1 - RTK	53612.002	\$ 832.87	\$ 102,225.96	\$ 75,000.00	-36.30%
3	Avon Lake Regional Water	\$ 7,030.52	ETL1 - Repair @ Jaycox Rd 6/19/22 - GY	53701				
4	Avon Lake Regional Water	\$ 4,780.20	ETL1 - Repair @ Jaycox Rd 6/22/22 - GY	53701				
5	Avon Lake Regional Water	\$ 5,871.94	ETLs - Repair ETL Suction Line 5/30/22 - GY 1/2	53701				
6	Avon Lake Regional Water	\$ 1,868.48	Operator Charges - ETL1 - July 2022 - GY	53701.002	\$ 19,551.14	\$ 64,965.85	\$ 60,000.00	-8.28%
7	Illuminating Company	\$ 25,884.44	elec svc @ 800 Moore Rd 7/8/22-8/7/22 - GY	53703.003				
8	Engie Resources	\$ 1,309.50	elec svc charge @ 800 Moore Rd - August 2022 - GY	53703.003				
9	Ohio Edison	\$ 93.58	elec svc @ Lear @ Mills 7/7/22-8/4/22 - GY	53703.004	\$ 27,287.52	\$ 236,027.28	\$ 309,000.00	23.62%
		\$ 47,671.53			\$ 47,671.53			

**FUND 762 - ETL2**  
**AUGUST 11 - SEPTEMBER 1, 2022**  
**SEPTEMBER 6, 2022**

	Vendor	Amount	Description	G/L Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1	Jones Chemicals Inc.	\$ 1,440.00	Op Spl - Chlorine @ 15201 Island Rd 8/9/22 - JC	53611	\$ 1,440.00	\$ 3,936.00	\$ 2,500.00	-57.44%
2	Active Plumbing Supplies	\$ 205.15	Mnt Spl - PVC Pipe, Caps 8/15/22 - RTK 2/2	53612.002	\$ 205.15	\$ 47,946.48	\$ 75,000.00	36.07%
3	Avon Lake Regional Water	\$ 5,871.94	ETLs - Repair ETL Suction Line 5/30/22 - GY 2/2	53701				
4	John S Fenik	\$ 275.00	Lawn Svc @ Island Rd PS & LORCO Fourplex 7/6/22 - RTK 1/2	53701.002				
5	John S Fenik	\$ 275.00	Lawn Svc @ Island Rd PS & LORCO Fourplex 8/4/22 - RTK 1/2	53701.002				
6	Avon Lake Regional Water	\$ 2,724.56	Operator Charges - ETL2 - July 2022 - GY	53701.002	\$ 9,146.50	\$ 47,700.42	\$ 80,000.00	40.37%
7	Lorain Medina Rural Electric Corp	\$ 474.78	elec svc @ Spieth Rd 6/23/22-7/23/22 - GY	53703.003				
8	Illuminating Company	\$ 2,980.19	elec svc @ 800 Moore Rd Rear Upper 7/9/22-8/8/22 - GY	53703.003				
9	Engie Resources	\$ 87,271.37	elec svc @ various addresses 8/15/22 - GY	53703.003				
10	Illuminating Company	\$ 106.21	elec svc @ Detroit Rd 7/12/22-8/9/22 - GY	53703.004				
11	Ohio Edison	\$ 84.55	elec svc @ 37980 Barres Rd 7/7/22-8/4/22 - GY	53703.004	\$ 90,917.10	\$ 244,639.72	\$ 332,500.00	26.42%
		\$ 101,708.75			\$ 101,708.75			

**FUND 749 - LORCO**  
**AUGUST 11 - SEPTEMBER 1, 2022**  
**SEPTEMBER 6, 2022**

	Vendor	Amount	Description	G/L Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1	Grainger	\$ 39.57	Mnt Spl - Notice Signs 8/17/22 - RTK	53612.004	\$ 39.57	\$ 21,394.60	\$ 50,000.00	57.21%
2	John S Fenik	\$ 300.00	Lawn Svc @ Island Rd PS & LORCO Fourplex - RTK 2/2	53701.002	\$ 300.00	\$ 35,552.00	\$ 25,000.00	-42.21%
3	Illuminating Company	\$ 97.37	elec svc @ 33678 Walker Rd 7/9/22-8/9/22 - GY	53703.002				
4	Lorain Medina Rural Electric Corp	\$ 98.88	elec svc @ Banks Rd 6/23/22-7/23/22 - GY	53703.003				
5	Lorain Medina Rural Electric Corp	\$ 96.40	elec svc @ Slife Rd 6/23/22-7/23/22 - GY	53703.003				
6	Lorain Medina Rural Electric Corp	\$ 119.37	elec svc @ Indian Hollow 6/23/22-7/23/22 - GY	53703.003				
7	Lorain Medina Rural Electric Corp	\$ 115.47	elec svc @ 36879 Capel Rd 6/23/22-7/23/22 - GY	53703.003				
8	Lorain Medina Rural Electric Corp	\$ 64.34	elec svc @ Durkee S 6/23/22-7/23/22 - GY	53703.003				
9	Lorain Medina Rural Electric Corp	\$ 147.09	elec svc @ Durkee N 6/23/22-7/23/22 - GY	53703.003				
10	Lorain Medina Rural Electric Corp	\$ 82.88	elec svc @ 12601 Cowley Rd 6/23/22-7/23/22 - GY	53703.003	\$ 821.80	\$ 34,715.91	\$ 45,000.00	22.85%
11	Rural Lorain County Water Authority	\$ 92.90	Water Used @ 38393 Royalton 7/1/22-8/1/22 - GY	53754				
12	Rural Lorain County Water Authority	\$ 56.55	Water Used @ 9871 Avon Belden 7/1/22-8/3/22 - GY	53754	\$ 149.45	\$ 1,374.73	\$ 100,000.00	98.63%
13	Link Computer Corporation	\$ 360.03	Muni-Link Billing - September 2022 - GY 3/3	53760	\$ 360.03	\$ 20,282.52	\$ 27,000.00	24.88%
14	LORCO	\$ 4,859.06	Reimburse Billing Payments to LORCO 2 - July 2022 - GY	53901	\$ 4,859.06	\$ 42,591.18	\$ 34,000.00	-25.27%
		\$ 6,529.91			\$ 6,529.91			



**FUND 704 - WATER CONSTRUCTION**  
**AUGUST 11 - SEPTEMBER 1, 2022**  
**SEPTEMBER 6, 2022**

	Vendor	Amount	Description	G/L Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1	S & S Filter, LLC	\$ 29,962.50	W - Installation of Media in Filter Bed 7/13/22 - GY	55001				
2	S & S Filter, LLC	\$ 38,917.12	W - Remove/Replace Bad Tiles 6/3/22 - GY	55001	\$ 68,879.62	\$ 68,879.62	\$ -	0.00%
3	The Cleveland Plumbing Supply Co.	\$ 744.76	Storage Building Supplies - Pipe, Tees, Wyes 8/9/22 - JG 1/2	55003				
4	Indy Equipment and Supply LLC	\$ 225.00	Storage Building Supplies - Nail Stakes 8/9/22 - JG 1/2	55003				
5	Wholesale Warehouse U.S.A.	\$ 2,250.00	Bldg Imp - Pallet Racks 8/8/22 - RKM 1/2	55003				
6	SiteOne Landscape Supply, LLC	\$ 135.52	Bldg Imp - Repair Supplies for Sprinkler @ 201 Miller - RTK 1/2	55003				
7	T Kendera Concrete LLC	\$ 3,274.17	Bldg Imp - Concrete Work @ 201 Miller Rd 7/18/22 - JG 1/2	55003				
8	Bramhall Engineering and Surveying Co. Inc	\$ 1,480.00	Storage Building - Foundation Design 8/16/22 - JG 1/2	55003				
9	Bramhall Engineering and Surveying Co. Inc	\$ 1,800.00	Storage Building - Topo Survey & Base Mapping 8/15/22 - JG 1/2	55003				
10	Huntington National Bank	\$ 1,354.30	Charges on MC - July 2022 - Vapor Barrier, Parking - GY 3/4	55003				
11	Indy Equipment and Supply LLC	\$ 70.35	Storage Building Supplies - Expansion Foam, Masonry Nails - JG 1/2	55003				
12	Indy Equipment and Supply LLC	\$ 23.45	Storage Building Supplies - Couplings, Wyes 8/10/22 - JG 1/2	55003				
13	Harold Archer & Sons, Inc.	\$ 881.49	Stone for Work @ 201 Miller Rd 8/10/22 - RTK 1/2	55003				
14	Indy Equipment and Supply LLC	\$ 46.13	Bldg Imp - 201 Miller Parking Lot - Rebar 8/23/22 - JG 1/2	55003				
15	Mars Electric Company	\$ 116.24	Bldg Imp - Driveway Spl @ 201 Miller - Conduits 8/10/22 - RTK 1/2	55003				
16	Mars Electric Company	\$ 20.03	Bldg Imp - Driveway Spl @ 201 Miller - Highline 8/11/22 - RTK 1/2	55003				
17	Service Station Equipment Co. Inc.	\$ 2,586.00	Storage Bldg - Trench Drain 20% Deposit 8/23/22 - JG 1/2	55003				
18	Westview Concrete Corporation	\$ 8,700.00	Bldg Imp - Concrete Work @ 201 Miller Rd 8/12/22 - JG 1/2	55003	\$ 23,707.44	\$ 72,751.87	\$ 500,000.00	85.45%
19	Xylem Water Solutions U.S.A Inc	\$ 398.41	W - Rotary Flags (12) 8/11/22 - GY	55007	\$ 398.41	\$ 1,881,264.79	\$ 5,839,923.85	67.79%
		\$ 92,985.47			\$ 92,985.47			

**AVON LAKE REGIONAL WATER**  
**FUND 724 - WASTEWATER CONSTRUCTION**  
**AUGUST 11 - SEPTEMBER 1, 2022**  
**SEPTEMBER 6, 2022**

	Vendor	Amount	Description	G/L Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1	The Cleveland Plumbing Supply Co.	\$ 744.75	Storage Building Supplies - Pipe, Tees, Wyes 8/9/22 - JG 2/2	55003				
2	Indy Equipment and Supply LLC	\$ 225.00	Storage Building Supplies - Nail Stakes 8/9/22 - JG 2/2	55003				
3	Wholesale Warehouse U.S.A.	\$ 2,250.00	Bldg Imp - Pallet Racks 8/8/22 - RKM 2/2	55003				
4	Bramhall Engineering and Surveying Co. Inc	\$ 1,480.00	Storage Building - Foundation Design 8/16/22 - JG 2/2	55003				
5	Bramhall Engineering and Surveying Co. Inc	\$ 1,800.00	Storage Building - Topo Survey & Base Mapping 8/15/22 - JG 2/2	55003				
6	Huntington National Bank	\$ 1,354.30	Charges on MC - July 2022 - Vapor Barrier, Parking - GY 4/4	55003				
7	Indy Equipment and Supply LLC	\$ 70.34	Storage Building Supplies - Expansion Foam, Masonry Nails - JG 2/2	55003				
8	Indy Equipment and Supply LLC	\$ 23.44	Storage Building Supplies - Couplings, Wyes 8/10/22 - JG 2/2	55003				
9	SiteOne Landscape Supply, LLC	\$ 135.51	Bldg Imp - Repair Supplies for Sprinkler @ 201 Miller - RTK 2/2	55003				
10	T Kendera Concrete LLC	\$ 3,274.18	Bldg Imp - Concrete Work @ 201 Miller Rd 7/18/22 - JG 2/2	55003				
11	Harold Archer & Sons, Inc.	\$ 881.50	Stone for Work @ 201 Miller Rd 8/10/22 - RTK 2/2	55003				
12	Indy Equipment and Supply LLC	\$ 46.12	Bldg Imp - 201 Miller Parking Lot - Rebar 8/23/22 - JG 2/2	55003				
13	Mars Electric Company	\$ 116.24	Bldg Imp - Driveway Spl @ 201 Miller - Conduits 8/10/22 - RTK 2/2	55003				
14	Mars Electric Company	\$ 20.03	Bldg Imp - Driveway Spl @ 201 Miller - Highline 8/11/22 - RTK 2/2	55003				
15	Service Station Equipment Co. Inc.	\$ 2,586.00	Storage Bldg - Trench Drain 20% Deposit 8/23/22 - JG 2/2	55003				
16	Westview Concrete Corporation	\$ 8,700.00	Bldg Imp - Concrete Work @ 201 Miller Rd 8/12/22 - JG 2/2	55003	\$ 23,707.41	\$ 72,751.85	\$ 540,000.00	86.53%
		\$ 23,707.41			\$ 23,707.41			

**WETLAND MITIGATION PURCHASE AGREEMENT  
GRAFTON SWAMP WETLANDS MITIGATION BANK**

**WHEREAS**, the discharge of dredged or fill material into waters of the United States and waters of the State of Ohio, including wetlands, is regulated pursuant to Section 404 of the Clean Water Act, 33 U.S.C. § 1344, and/or Ohio Revised Code Chapter 6111; and

**WHEREAS**, entities planning to place dredged or fill material into waters of the United States or waters of the State of Ohio, including wetlands, must comply with standards and conditions imposed by the Army Corps of Engineers (the "Corps") and/or the Ohio Environmental Protection Agency (the "Ohio EPA") including, in many cases, the mitigation of wetland impacts; and

**WHEREAS**, the Stream + Wetlands Foundation ("S+W") has participated in the Interagency Review Team ("IRT") review process and received approval from the IRT (which includes the Corps and Ohio EPA) to establish the Grafton Swamp Wetlands Mitigation Bank and to sell wetland mitigation credits to entities required to mitigate for impacts to wetlands and other waters pursuant to the Section 404/401 permit process and Ohio's Isolated Wetland Permit process; and

**WHEREAS**, the Corps and the Ohio EPA have agreed to consider the purchase of wetland mitigation credits in an appropriate service area approved by the IRT to fulfill an entity's requirement to mitigate wetland impacts.

**THEREFORE**, Avon Lake Regional Water ("Client") and S+W agree they will comply with the following guidelines and procedures by which Client will purchase wetland mitigation credits from S+W, representing the restoration of wetlands in the State of Ohio which will be permanently maintained and which will serve to mitigate wetland impacts permitted under Sections 404 and 401 of the Clean Water Act and in accordance with ORC Chapter 6111.

**I. RESERVATION OF CREDITS AND PAYMENT TERMS FOR THE CLIENT**

A. Pursuant to the requirements of Sections 401 and 404 of the Clean Water Act and the regulations promulgated thereunder and/or ORC Chapter 6111, Client is obligated to mitigate for impacts to 1.33 acres of jurisdictional wetlands and 0 acres of isolated wetlands at its ETL Improvements Project site located at 41.503395, -82.050473 south to 41.477947, -82.049159 east to 41.477907, -81.988485 in the City of Avon Lake, Lorain County, Ohio. The proposed impacts are located in the Eastern Great Lakes Lowlands Level III Ecoregion. Based on the sale price of \$60,000 per acre of mitigation credit and in tenth-acre increments (0.1), the Client hereby agrees to pay S+W the amount of \$138,000 in consideration for the purchase of 2.2 acres of non-forested and 0.1 acres of forested wetlands mitigation credits at the Grafton Swamp Mitigation Bank. S+W will reserve the necessary wetland credits (acreage) for a period of six (6) months (the "Reservation Period") upon receipt of a signed Purchase Agreement and a deposit payment of \$20,700 (equal to 15% of the total sale price). If Client has not received the necessary approvals pursuant to Section 404 and/or 401 of the Clean Water Act or the Ohio Isolated Wetland Permit program during the Reservation Period, S+W will extend the Reservation Period for an additional 6 months upon receipt of an additional 15% deposit. This method of



extending the Reservation Period (six months at a time) shall continue for a maximum period of 24 months. The remaining balance shall be paid within 24 months of the contract initiation date. If the remaining balance is not paid in full within 24 months, a new agreement will be necessary and the current price of mitigation credits will be applied to the new contract. If a new contract is completed, the deposit payments shall be applied towards the cost of credits in the new mitigation purchase agreement so long as all deposit payments have been made in timely manner by the Client.

B. The Client's initial 15% deposit is refundable if within the initial 6-month Reservation Period the Corps or the Ohio EPA denies Client's request for a permit for the wetland impact or if Client elects to withdraw their permit application provided the Client notifies S+W in writing of the denial of its permit or its intention to withdraw its permit application prior to the expiration of the initial 6-month Reservation Period. After the initial 6-month Reservation Period all deposit payments are non-refundable. If the Reservation Period expires due to lack of timely deposit payments, the wetlands credits will not be reserved for Client but will be available on a first-come basis to all clients of S+W. S+W will provide written notification of the termination of this Agreement to the Corps and/or Ohio EPA as applicable.

C. **Within thirty (30) days of issuance of the Clean Water Act Section 404 permit and, if necessary, the Section 401 Certification or Ohio Isolated Wetland Permit, Client will tender the outstanding balance of the cost of the mitigation credits.** Client will also provide S+W with a copy of the Section 404 permit and, if applicable, the Section 401 Certification or the Ohio Isolated Wetland Permit or other approval to proceed. If payment is not received by S+W by the end of the thirtieth day after the Permit Issuance Date the Client will be considered to be in Default of Payment. The Permit Issuance Date is the date of the wetland fill permit (Isolated Wetlands Permit, Clean Water Act Section 401/404 permits) issued for the project. If more than one wetland fill permit is required for the project identified in this agreement then the date of the most recent permit shall be considered as the Permit Issuance Date. Should the Client be in Default of Payment, a late payment penalty of \$500 or 2.0% interest per month, whichever is greater, shall be applied to the outstanding balance from the Permit Issuance Date for each month or portion thereof until payment is received in full. It is the sole responsibility of the Client to ensure that they adhere to the terms of this agreement, including timely payment, and to the terms of the permit(s) issued to for the project described in paragraph I(A).

D. If the Client is in Default of Payment for greater than 60 days S+W may, at its sole discretion, elect to sell the reserved credits to a different client. In this case, the Client, the Corps and/or Ohio EPA (as applicable) shall be notified by S+W that this agreement has been terminated and the credits are no longer held in reserve for the Client. The Client's deposit payment will be forfeited to S+W at this time and may be applied to future mitigation purchases of the Client at the discretion of S+W.

E. The Client shall have no other obligation other than the payments detailed in this agreement for future maintenance or remedial measures of the Grafton Swamp Mitigation Bank.

## **II. OBLIGATIONS OF STREAM + WETLANDS FOUNDATION**

A. S+W has available for sale mitigation credits at the Grafton Swamp Mitigation Bank which have been approved by the IRT to mitigate for certain wetland impacts.

B. In consideration for the payment of \$138,000 (plus penalties, if applicable, as per paragraph I(C) of this Agreement) by Client, S+W hereby agrees to provide 2.3 acres of wetlands mitigation credit (as per paragraph I(A) of this agreement) at the Grafton Swamp Mitigation Bank for the benefit of Client hereunder.

S+W shall have all responsibility for assuring the restoration and the monitoring and maintenance of the wetlands as provided herein.

C. S+W will provide written confirmation to the Client that full payment has been made for the purchase of wetland mitigation credits specified in paragraphs IA of this agreement.

**STREAM + WETLANDS FOUNDATION**

Signed By: \_\_\_\_\_

Vincent E. Messerly, President

Date: \_\_\_\_\_

123 South Broad Street, Suite 238

P.O. Box 369

Lancaster, OH 43130

**CLIENT** \_\_\_\_\_

Signed By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

Facsimile: \_\_\_\_\_

**CLIENT'S CONSULTING FIRM**

Firm Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone Number: \_\_\_\_\_

Facsimile: \_\_\_\_\_

**SCOPE OF SERVICES**  
**REDUNDANCY AND FUTURE CAPACITY PLAN**

**AMENDMENT #5**

August 2022

The Scope of Services set forth herein defines the work to be performed by HDR. Both Avon Lake Regional Water (ALRW) and HDR have attempted to clearly define the work to be performed and address the needs of the Project.

This document includes a new task – Onsite Generation of Sodium Hypochlorite (OSG) System Design, hereafter referred to as “OSG System Design”.

**SERVICES TO BE PERFORMED**

**Tasks 1-7. Various Tasks**

- N/A

**Task 8. OSG System Design**

The following is added to the scope of services:

- OSG System Design:
  - Design of a new OSG System, including a new building and building systems, at a site adjacent to ALRW’s Water Reclamation Facility (WRF) – to serve as a backup disinfection system for the WFP.
  - Design of two new, parallel forcemains (each ~ 4,500 LF) for delivery of sodium hypochlorite to the WFP.

**TIME OF PERFORMANCE**

The following is added to the schedule and deliverables:

Task 8. OSG System Design – 8 months from NTP\*, expected 10/15/2022

Deliverables:

- Basis of Design Report
- 50% Design Submittal
- 100% Design Submittal
- Construction Bid Documents

\* Schedule assumes two weeks for ALRW review of each deliverable.

The following is added to the scope description:

## Task 8. OSG System Design

The WFP Improvements included design of a new bulk sodium hypochlorite system, to replace the existing chlorine gas system, for primary disinfection. As part of the concept/preliminary engineering phase of the design effort, HDR performed a comparison of bulk sodium hypochlorite delivery and OSG. This was at ALRW's request, based on concerns about future chemical cost increases and a push to become a more resilient utility.

ALRW ultimately chose to proceed with the bulk sodium hypochlorite system based on lower capital cost, reduced operational complexity, and a potentially complicated permitting path (and unknown permit requirements). At the time this decision was made, the Ohio Environmental Protection Agency (EPA) had never approved an OSG System, and it was communicated to ALRW on a call that the agency could require two complete units for redundancy. The 20-year lifecycle cost for both options was similar, but permit requirements as well as fluctuations in electricity, salt and chemical costs could shift the outcome one way or the other.

In May 2022, ALRW's supplier provided a quotation of \$1,800 for a 1-ton cylinder of chlorine gas. In May 2021 the cost for a 1-ton cylinder of chlorine gas was \$430. It is understood that bulk sodium hypochlorite costs are increasing at a similar rate, relating to ongoing supply chain issues. Additionally, ALRW identified a concern regarding a proposed Toxic Substances Control Act (TCSA) rule for conditions of use for chrysotile asbestos and impacts on chlorine production, which could further increase bulk sodium hypochlorite costs.

ALRW has therefore requested that HDR prepare a scope and fee for design of an 'off-site' (from the WFP) OSG facility as a backup to the bulk sodium hypochlorite system, in the short term; thinking that it could serve as the primary supply in the future, if permissible by the Ohio EPA. Furthermore, it was requested that HDR provide consideration for future expansions to supply the WRF or to other local utilities; again, if Ohio EPA permits.

ALRW has already identified a preferred site for the OSG facility, adjacent to the WRF (less than one mile away from the WFP). HDR understands that there is a utility easement that runs between the two facilities, which includes a fiber conduit and alum sludge forcemain. The initial design concept is to add parallel (redundant) lines for sodium hypochlorite delivery.

### Task 8.1 Preliminary Design

Within a week of the Notice to Proceed, HDR will hold a 1-hour Kickoff Meeting with ALRW staff to discuss project schedule, and define responsibilities, lines of communication, project goals and critical success factors. A key agenda item for the Kickoff Meeting will be to review and confirm the proposed approach including the conceptual site plan and forcemain alignment, and discuss available background information. ALRW acceptance of the approach and availability of satisfactory data will inform detailed field investigations which are assumed to consist of the following:

#### Direct Contract and Oversight by ALRW

- **Topographic Field Survey** of the OSG site/forcemain route. HDR will prepare a survey work plan and submit to ALRW to procure these services by others.

- **Geotechnical Services** to perform geotechnical drilling and laboratory testing. This work would determine depth to groundwater and rock, rock quality, settlement, and structural bearing capacity. Assessment of native conditions will inform construction methods regarding mechanical removal for trenching and excavating activities in addition to structural designs for the new building. At present we assume that a qualified driller will be selected to advance two (2) geotechnical borings in the vicinity of the new building. A Geotechnical Data Report with supplemental Design Memorandum will summarize the findings and present recommendations design and construction. HDR will prepare a geotechnical investigation work plan and submit to ALRW to procure those services by others.

#### Included in HDR Scope and Fee Estimate

- **Limited Phase 1 Environmental Site Assessment (ESA)**. HDR will perform field reconnaissance, a regulatory database search, review historical data, conduct interviews with people who have knowledge of the property including local government officials, to understand historical land use of the property and surrounding areas. HDR will prepare a Limited Phase 1 ESA Report that includes findings, opinions, and conclusions.
- **Site Visit** (1/2 day) for civil and electrical discipline leads to assess current conditions.

Concurrent with the field investigations, HDR will initiate 50% design activities. Specific items of consideration as part of these design activities will be OSG System configuration (including redundancy and impacts to the bulk sodium hypochlorite system design) and operation, incoming electrical and water service, as well as forcemain materials selection, containment, leak detection and alarming. Our approach will link actionable items needed to develop the 50% design with field investigations, allowing work to progress in a timely manner while mitigating the risk of “do-overs” or “stopping/re-starting” work which would add cost and extend the schedule.

Key design parameters and process considerations will form the foundation of a Basis of Design Report that also includes:

- Project justification (financial analysis, reliability, future expansions, etc.)
- Process capacity verification per Ohio EPA’s Planning and Design Criteria for Establishing Capacity document (March 2010)
- A summary of treatment, water quality and operations goals
- A summary of findings from the field investigations
- Updated site plan and forcemain alignment
- Diagrams: process flow, Process & Instrumentation (P&D) and electrical one-line
- Code compliance and permitting requirements
- Preliminary construction cost estimate per AACE International Class 4 methodology

The Basis of Design Report will serve as a foundational document to record changes in the project approach, data support and resulting construction costs.

Following preparation of the Basis of Design Report, HDR will schedule and lead a 1-hour virtual meeting with Ohio EPA, where we will review the key design parameters and process considerations to get their comments and concurrence before finalizing the 50% design plans.

The HDR team has a full complement of engineering and architectural disciplines that will be engaged on this project. Discipline specific considerations for the OSG System Design include:

- **Civil:** HDR will work closely with ALRW to understand the specific needs to support the short- and long-term operational demands for the facility, such as for supplies, equipment and/or chemical delivery/pickup, and general circulation of the site.
- **Architectural:** The architectural approach will consider the style of other ALRW facilities (including both the WFP and WRF), with selection of good quality and maintenance free materials that will withstand the various lakefront weather exposures from driven rain to blowing snow.
- **Structural:** The structural design will be in accordance with all codes and requirements. Foundations will be designed using the geotechnical recommendations regarding bearing capacity, groundwater conditions, and general soil subsurface information.
- **HVAC/Plumbing:** Heating, ventilation, air conditioning, and fire protection disciplines will evaluate requirements for OSG necessary to deliver a code-compliant, climate controlled, safe, operationally efficient, and functional facility.
- **Electrical:** Electrical equipment will be designed and fabricated based on NEMA, ANSI, and UL standards. Electrical design and construction will be based on the NEC 2020 edition and local and state codes.
- **Instrumentation and Controls:** Our team will work with ALRW to develop the overarching control strategy with key objectives of providing: 1) a control system which is capable of monitoring and control equipment from the WFP, and 2) sustainable and reliable instrumentation devices to meet current operational demands, and also future needs with particular attention given to expansion and redundancy/resilience.

Like the WFP Improvements, BIM is proposed to be employed for this project. With this tool the design is developed in a 3D model and can be displayed and viewed in three dimensions. BIM is especially effective in identifying potential operational and maintenance issues as the design progresses. Operations and maintenance staff can virtually “walk through” the facility, thereby offering the opportunity to suggest changes/enhancements which can be readily incorporated into the design. Progress reviews are proposed to be done by walking through the model during workshops at each design stage.

50% design plans will identify site layout, forcemain plan and profile, structural concepts, process equipment general arrangements, ventilation needs, and electrical layout. Plans will incorporate findings from the geotechnical program and other field assessments, as necessary. Accompanying the 50% design plans will be a specification Table of Contents and specifications for major equipment including the OSG System.

Two weeks after submittal of the preliminary design deliverables, a 2-hour 50% Design Workshop will be held to provide an opportunity for discussion of ALRW review comments and course corrections if needed. The workshop will also serve as a look-ahead into the next level of design (100%).

## Task 8.2 Final Design

### Task 8.2.1 100% Design

The HDR team will advance the design to 100% level of completion. Each design discipline will be progressed accordingly. Construction drawings will be prepared, as well as general requirements (Division 01) and technical (Divisions 02 to 46) specifications in CSI Master Format. A drawing set of up to 71 drawings are anticipated, per the following list:

<u>Drawing Group</u>	<u>No. of Sheets</u>
General	3
Civil	22*
Architectural	5
Structural	7
Process	10
Mechanical/Plumbing	6
Electrical	10
I&C	8

\* Includes 10 forcemain plan and profile sheets and two road restoration sheets.

In addition to advancing the construction drawings and specifications, HDR will update the construction cost estimate, per AACE International Class 3 methodology. The Basis of Design Report will also be updated, as required; memorialized in Addendum format.

As the 100% design deliverables are being finalized, HDR will schedule a 1-hour virtual follow-up meeting with Ohio EPA, to build upon the previous discussion. The purpose of this meeting will be to discuss the project in more detail while providing Ohio EPA with an estimate of the schedule/ and timing of construction. Updates to the construction and technical specifications will be made, as necessary, based upon feedback received during the meeting and a Plan Review and Approval application package will be developed. Similarly, HDR will prepare a Plan Review and Approval application package to the Ohio Department of Transportation (ODOT) relating to the forcemain road crossing(s).

Two weeks after submittal of the 100% design deliverables, a 2-hour 100% Design Workshop will be held to provide an opportunity for discussion of ALRW review comments and course corrections if needed.

### Task 8.2.2 Construction Bid Documents

HDR will finalize the construction drawings and specifications in response to ALRW comments following a review of 100% design deliverables. HDR will seal the final construction drawings and the sealant will be licensed to practice in the State of Ohio within his/her expertise area.

### Task 8 Deliverables:

- Preliminary Design:
  - Topographic Survey (by others)
  - Geotechnical Design Report (by others)
  - Basis of Design Report
    - Opinion of Probable Construction Cost (OPCC) AACE Class 4

- 50% Design Drawings
- Specifications Table of Contents
- OSG System Specification
- Final Design:
  - 100% Design Submittal
    - Drawings
    - Bid Form, General Requirements and Technical Specifications
    - Updated OPCC AACE Class 3
    - Updated Basis of Design Report
  - Permit Applications
    - Ohio EPA Plan Review and Approval Application Package
    - General Plan
    - ODOT Plan Review and Approval Application Package
  - Construction Bid Documents
    - Sealed Drawings
    - Bid Form, General Requirements and Technical Specifications
- Meeting and workshop notes, as well as supporting electronic files in native file format

#### **Task 8 Assumptions/Services Not Provided:**

- Both elements of the OSG System Design – the OSG facilities + forcemains – will be incorporated into one bid package. Phasing for constructability will be considered in the Sequence of Work.
- Geotechnical data exists along the existing utility easement, for design of the new forcemains, from previous work. This includes information about any potential utility conflicts or crossings; though, potholing can be added to the geotechnical program, if needed.
- Easement document review and development if needed, will be performed by ALRW.
- 3D modeling for the OSG equipment will be more of an outline representation given the dimensional/configuration differences between vendors.
- HDR will develop bid form, general requirements and technical specifications using HDR's standard templates.
- For the forcemains, HDR will review ALRW's standard specifications and incorporate applicable requirements, such as civil and earthwork, as required.
- Kickoff Meeting and design workshops will be held in person following appropriate COVID-19 health and safety protocols.
- SCADA integration including development of process control narratives is not included in the base scope but could be added as a supplemental service. ALRW's integrator SOS Integration will perform the programming.
- A Phase 2 ESA is not included in the scope of work but could be added as a supplemental service, if needed.
- Additional technology site visits are not included in the scope of work but could be added as a supplemental service, if desired.
- Bench testing and/or pilot testing are not included in the scope of work but could be added as a supplemental service, if needed/desired.



**DRAFT Fee Estimate - Avon Lake Regional Water Redundancy and Future Capacity Plan - Amendment #5 (OSG System Design)**

**HDR Engineering, Inc.**

Date: 08-31-2022

Prepared by: AA

TASKS	Technical Lead		Project Manager		Task/Design Manager		Cost Estimator		Senior Project Engineer		Project Engineer		Engineer		EIT		CAD Technician		Administrative/Clerical		Total hours	Total Cost	
	hours	subtotal	hours	subtotal	hours	subtotal	hours	subtotal	hours	subtotal	hours	subtotal	hours	subtotal	hours	subtotal	hours	subtotal	hours	subtotal			
<b>Preliminary Design</b>																							
<b>Pre-Design Activities</b>																							
Kickoff Meeting	0	\$0	2	\$170	2	\$130	0	\$0	0	\$0	0	\$0	4	\$200	4	\$144	0	\$0	1	\$32	13	\$676	
Background Information Review/Concept Development	4	\$480	0	\$0	4	\$260	0	\$0	4	\$320	4	\$260	16	\$800	24	\$864	20	\$720	0	\$0	76	\$3,704	
Topo Survey/Geotech Program Oversight	0	\$0	0	\$0	4	\$260	0	\$0	0	\$0	0	\$0	8	\$400	0	\$0	0	\$0	1	\$32	13	\$692	
Limited Phase 1 ESA	2	\$240	0	\$0	4	\$260	0	\$0	12	\$960	0	\$0	0	\$0	44	\$1,584	0	\$0	1	\$32	63	\$3,076	
Site Visit	0	\$0	0	\$0	0	\$0	0	\$0	8	\$640	12	\$780	4	\$200	4	\$144	0	\$0	0	\$0	28	\$1,764	
Cost Estimating	0	\$0	0	\$0	2	\$130	20	\$1,900	0	\$0	0	\$0	4	\$200	4	\$144	0	\$0	1	\$32	31	\$2,406	
Basis of Design Report (BODR) Development	8	\$960	2	\$170	4	\$260	0	\$0	12	\$960	24	\$1,560	16	\$800	40	\$1,440	40	\$1,440	0	\$0	146	\$7,590	
Ohio EPA Pre-Application Meeting	2	\$240	0	\$0	4	\$260	0	\$0	0	\$0	0	\$0	4	\$200	8	\$288	0	\$0	1	\$32	19	\$1,020	
<b>50% Design</b>																							
Process	16	\$1,920	4	\$340	8	\$520	0	\$0	0	\$0	0	\$0	48	\$2,400	80	\$2,880	80	\$2,880	2	\$64	238	\$11,004	
Structural/Architectural	4	\$480	0	\$0	4	\$260	0	\$0	0	\$0	40	\$2,600	160	\$8,000	0	\$0	0	\$0	2	\$64	210	\$11,404	
I&C	4	\$480	0	\$0	4	\$260	0	\$0	8	\$640	40	\$2,600	0	\$0	80	\$2,880	0	\$0	1	\$32	137	\$6,892	
Electrical	4	\$480	0	\$0	4	\$260	0	\$0	0	\$0	80	\$5,200	0	\$0	120	\$4,320	0	\$0	0	\$0	208	\$10,260	
Mechanical/Plumbing	4	\$480	0	\$0	4	\$260	0	\$0	8	\$640	80	\$5,200	0	\$0	0	\$0	0	\$0	0	\$0	96	\$6,580	
Civil	8	\$960	0	\$0	4	\$260	0	\$0	24	\$1,920	28	\$1,820	40	\$2,000	80	\$2,880	80	\$2,880	2	\$64	266	\$12,784	
Cost Estimating	0	\$0	0	\$0	4	\$260	20	\$1,900	0	\$0	0	\$0	4	\$200	8	\$288	0	\$0	0	\$0	36	\$2,648	
50% Design Workshop	0	\$0	2	\$170	4	\$260	0	\$0	0	\$0	0	\$0	4	\$200	4	\$144	0	\$0	1	\$32	15	\$806	
<b>Preliminary Design Subtotal</b>	<b>56</b>	<b>\$6,720</b>	<b>10</b>	<b>\$850</b>	<b>60</b>	<b>\$3,900</b>	<b>40</b>	<b>\$3,800</b>	<b>76</b>	<b>\$6,080</b>	<b>308</b>	<b>\$20,020</b>	<b>312</b>	<b>\$15,600</b>	<b>500</b>	<b>\$18,000</b>	<b>220</b>	<b>\$7,920</b>	<b>13</b>	<b>\$416</b>	<b>1,595</b>	<b>\$83,306</b>	
<b>Final Design</b>																							
<b>100% Design</b>																							
Process	8	\$960	4	\$340	8	\$520	0	\$0	0	\$0	0	\$0	48	\$2,400	80	\$2,880	80	\$2,880	0	\$0	228	\$9,980	
Structural/Architectural	4	\$480	0	\$0	4	\$260	0	\$0	0	\$0	40	\$2,600	160	\$8,000	0	\$0	0	\$0	2	\$64	210	\$11,404	
I&C	4	\$480	0	\$0	4	\$260	0	\$0	8	\$640	40	\$2,600	0	\$0	80	\$2,880	0	\$0	1	\$32	137	\$6,892	
Electrical	4	\$480	0	\$0	4	\$260	0	\$0	0	\$0	80	\$5,200	0	\$0	120	\$4,320	0	\$0	0	\$0	208	\$10,260	
Mechanical/Plumbing	4	\$480	0	\$0	4	\$260	0	\$0	8	\$640	80	\$5,200	0	\$0	0	\$0	0	\$0	0	\$0	96	\$6,580	
Civil	8	\$960	0	\$0	4	\$260	0	\$0	24	\$1,920	28	\$1,820	40	\$2,000	80	\$2,880	80	\$2,880	2	\$64	266	\$12,784	
Cost Estimating	0	\$0	0	\$0	4	\$260	20	\$1,900	0	\$0	0	\$0	4	\$200	4	\$144	0	\$0	0	\$0	32	\$2,504	
Basis of Design Report (BODR) Update	4	\$480	1	\$85	2	\$130	0	\$0	4	\$320	4	\$260	8	\$400	16	\$576	4	\$144	1	\$32	44	\$2,427	
Ohio EPA Pre-Application Meeting	2	\$240	0	\$0	4	\$260	0	\$0	0	\$0	0	\$0	4	\$200	8	\$288	0	\$0	1	\$32	19	\$1,020	
Ohio EPA Plan Review Application/General Plan Development	2	\$240	0	\$0	4	\$260	0	\$0	0	\$0	0	\$0	16	\$800	24	\$864	0	\$0	0	\$0	46	\$2,164	
ODOT Plan Review Application	0	\$0	0	\$0	2	\$130	0	\$0	4	\$320	0	\$0	0	\$0	8	\$288	0	\$0	0	\$0	14	\$738	
100% Design Workshop	0	\$0	2	\$170	4	\$260	0	\$0	0	\$0	0	\$0	4	\$200	4	\$144	0	\$0	1	\$32	15	\$806	
<b>Construction Bid Documents</b>																							
Process	8	\$960	2	\$170	8	\$520	0	\$0	0	\$0	0	\$0	24	\$1,200	24	\$864	40	\$1,440	0	\$0	106	\$5,154	
Structural/Architectural	2	\$240	0	\$0	4	\$260	0	\$0	0	\$0	24	\$1,560	40	\$2,000	0	\$0	0	\$0	2	\$64	72	\$4,124	
I&C	2	\$240	0	\$0	4	\$260	0	\$0	8	\$640	16	\$1,040	0	\$0	24	\$864	0	\$0	1	\$32	55	\$3,076	
Electrical	2	\$240	0	\$0	4	\$260	0	\$0	0	\$0	16	\$1,040	0	\$0	24	\$864	0	\$0	0	\$0	46	\$2,404	
Mechanical/Plumbing	2	\$240	0	\$0	4	\$260	0	\$0	4	\$320	24	\$1,560	0	\$0	0	\$0	0	\$0	0	\$0	34	\$2,380	
Civil	2	\$240	0	\$0	4	\$260	0	\$0	8	\$640	12	\$780	10	\$500	20	\$720	40	\$1,440	2	\$64	98	\$4,644	
<b>Final Design Subtotal</b>	<b>58</b>	<b>\$6,960</b>	<b>9</b>	<b>\$765</b>	<b>76</b>	<b>\$4,940</b>	<b>20</b>	<b>\$1,900</b>	<b>68</b>	<b>\$5,440</b>	<b>364</b>	<b>\$23,660</b>	<b>358</b>	<b>\$17,900</b>	<b>516</b>	<b>\$18,576</b>	<b>244</b>	<b>\$8,784</b>	<b>13</b>	<b>\$416</b>	<b>1,726</b>	<b>\$89,341</b>	

114 \$ 13,680      19 \$ 1,615      136 \$ 8,840      60 \$ 5,700      144 \$ 11,520      672 \$ 43,680      670 \$ 33,500      1,016 \$ 36,576      464 \$ 16,704      26 \$ 832      3,321      \$172,647

Overhead & Profit Multiplier	3.10
Loaded Labor Total	\$535,206
Other Direct Costs	\$1,000
Subs	\$0
<b>Total Fee</b>	<b>\$536,206</b>