

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Agenda

February 10, 2022

8:00 a.m.

**Meeting will be held at the Glenbard Wastewater Plant
945 Bemis Rd, Glen Ellyn, IL**

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Public Comment
5. Consent Agenda – The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

Motion the EOC to approve the following items including Payroll and Vouchers for part of the month of January 2022 \$967,494.05 (Trustee Christiansen).

- 5.1 Executive Oversight Committee Meeting Minutes:
January 13, 2022 EOC Meeting
- 5.2 Vouchers Previously Reviewed:
January 2022 – Trustee Christiansen
6. Request to Authorization to Approve Design Engineering Services pertaining to the 2022 Primary Clarifier/Gravity Thickener Improvements Project

In November 2021 Authority staff developed and sent out a request for qualifications and technical proposals to our six (6) shortlisted professional consulting firms for Design Engineering Services pertaining to the 2022 Primary Clarifier and Thickener Rehabilitation Program. The due date for the proposals was January 17, 2022.

The intent of the request for proposals was to retain a professional firm that would provide further assessment of the condition of the current equipment and to provide insight and design for the rehabilitation, replacement, and possible improvements that could be made to the existing condition. The professional firm is to design a rehabilitation plan to the primary clarifiers and thickener based off the greatest needs and cost-effective approaches, prepare bidding documents, assist in the bidding process, and provide construction engineering services. The scope of work is intended to take place in 2022, with construction possibly carrying over into 2023. The Authority has budgeted \$334,500 for the design, bidding, and construction engineering phases of this project out of the CY 2022 budget fund 40-580180.

The Authority received four sets of qualifications and technical proposals in response to the RFP that was sent out, at which point staff performed an internal review, and narrowed it down to Trotter and Associates (TAI) being the most qualified. This selection was discussed with the TAC and all were in agreement with the selected firm.

After the firm was selected, the cost proposal was requested from TAI and costs were negotiated to an agreed scope and effort specifics. The proposal includes a time & materials/not to exceed cost of \$243,100 for phase I and II of this project, Preliminary Design and Design Engineering services. This will leave \$91,400 for the Phase III, Construction Engineering services, later in CY2022, which is anticipated to be ample funds for these services.

Therefore, it is recommended that the EOC authorize the Authority to award Trotter and Associates, Inc. the Design Engineering Services pertaining to the 2022 Primary Clarifier and Thickener Rehabilitation Project in the amount not to exceed \$243,100. This amount will be taken out of the designated amount in the CY2022 Approved Budget, Fund 40-580180.

7. Request for Authorization for a 5-Year Lease of Atmospheric Vaporizers and Liquid Oxygen Hauling Agreement

In 2017 the Authority underwent a transitional process of beginning to haul liquid oxygen via a 3rd party instead of the previous method of creating pure oxygen through an on-site cryogenic process. Another component involved with the switch over to liquid hauling was the replacement of the hot water baths used to vaporize the liquid oxygen previously created onsite. Therefore, in 2017, the Authority also switched to using atmospheric vaporizers.

By switching to the delivery of liquid oxygen and the atmospheric vaporization process, it's estimated that the Authority saved over \$200,000 on electric and potable water costs over the course of the existing 5-year agreement, not including any overtime, maintenance, or other associated costs to keep the system running.

The existing 5-year contract for the supply of the liquid oxygen and leasing of the atmospheric vaporizers expires in April 2022; therefore, a request for bids for a new contract was publicly advertised in late 2021. The bid package is enclosed with this memo; essentially the Authority is requesting pricing for the delivery of bulk liquid oxygen, and leasing of atmospheric vaporizers (including maintenance) for a 3-year period, with an automatic renewal for years 4 and 5, providing satisfactory performance. Although this will be paid on a per unit basis, bids were calculated using an estimated usage of oxygen, along with the 60-month term for the vaporizer leasing.

In late 2021 GWA publicly advertised a bid advertisement for a new 5-year contract for the delivery of pure liquid oxygen and the lease of atmospheric vaporizers. The bids were opened on February 1, 2022, below is a summary of the bids received:

Supplier	Liquid Oxygen Delivery Five-Year Term (04/2022 – 03/2027) 575,000,000 SCF – see breakdown below	Vaporizer Lease Five Year Term (04/2022 - 03/2027) 60 Months	Total
Airgas	\$2,382,915.00	\$90,000.00	\$2,472,915.00

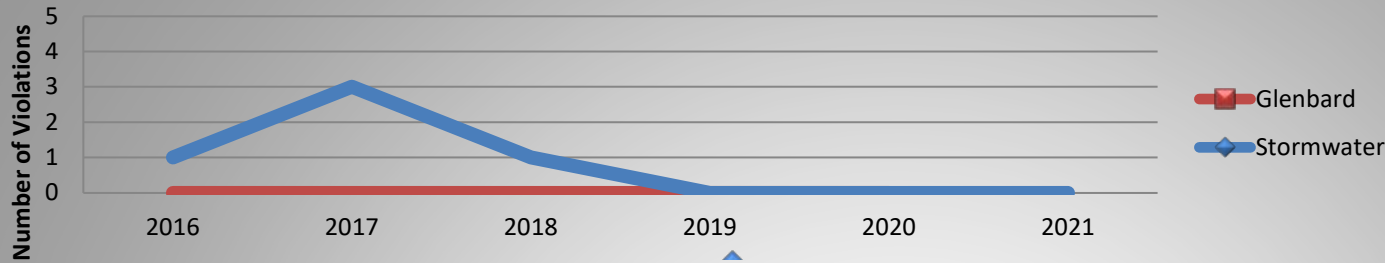
	Price per 100 cubic feet (including sellers right to revise product pricing up to 5%/year)
Year 1	\$0.3750
Year 2	\$0.3938
Year 3	\$0.4134
Year 4	\$0.4341
Year 5	\$0.4558

The pricing for year 1 (anticipated contract start date in April 2022) realizes approximately 33% increase over the current year's pricing of \$0.282/100 SCF. However, based on the restructuring of the new contract from the old contract, the contractor will no longer be able to assess variable delivery and fuel surcharges, which are not included in the existing price. Therefore, it's assumed the contract has incorporated those costs into their pricing, hence the greater increase.

It is recommended that the EOC authorize the Authority to enter into a five-year agreement with Airgas, with the option to cancel after the third year, for the purchase of bulk liquid oxygen at a rate not to exceed \$0.3750/100 SCF for year one, \$0.3938 for year two, \$0.4134 for year three, \$0.4341 for year four, and \$0.4558 for year five, as well as the leasing of the atmospheric vaporizers at a rate of \$1,500 per month for the duration of the five-year contract.

8. Discussion
 - 8.1 Capital Improvement Projects Update
9. Other Business
 - 9.1 Technical Advisory Committee Updates
10. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, March 10, 2022 at 8:00 a.m.***

NPDES Permit Violations



Glenbard Plant: *Current Record

3252 Days February 4, 2013 through December 31, 2021

Previous excursion free operating record:

1058 Days September 8, 2007 – April 10, 2010

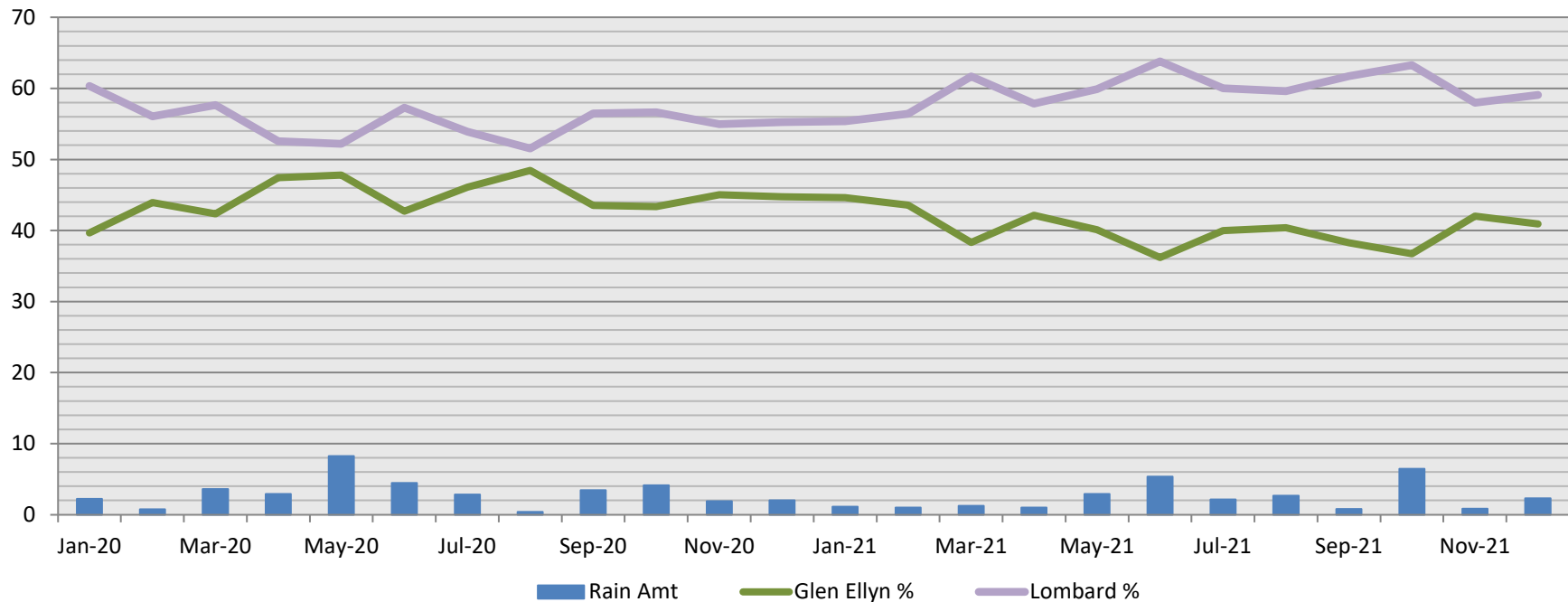
Stormwater Facility: * Current Record

1356 Days April 15, 2018 through December, 2021

Current excursion free operating record:

1140 Days July 11, 2009 through August 27, 2012

Flow Billing Comparison



Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	21-Dec
39.6412	43.931	42.3567	47.418	47.7942	42.7287	46.0736	48.4668	43.5073	43.3642	45.0223	44.7414	44.6336	43.579	38.2972	42.152	40.098	36.19	39.988	40.41	38.26	36.74	42.03	40.93
60.3588	56.069	57.6433	52.582	52.2058	57.2713	53.9264	51.5332	56.4927	56.6358	54.9777	55.2586	55.3664	56.421	61.7028	57.848	59.903	63.81	60.011	59.59	61.74	63.26	57.97	59.07
2.24	0.76	3.615	2.91	8.265	4.44	2.84	0.4	3.46	4.15	1.88	2.02	1.14	0.985	1.242	0.985	2.915	5.36	2.15	2.665	0.775	6.455	0.825	2.29



Billion Gallons Treated Per Year as of December 31, 2021



■ Billion Gallons Treated Per Year
as of December 31, 2021

CY2017	CY2018	CY2019	CY2020	CY2021
3.33	3.88	3.92	3.42	3.34

Total Rainfall in Inches as of December 31, 2021



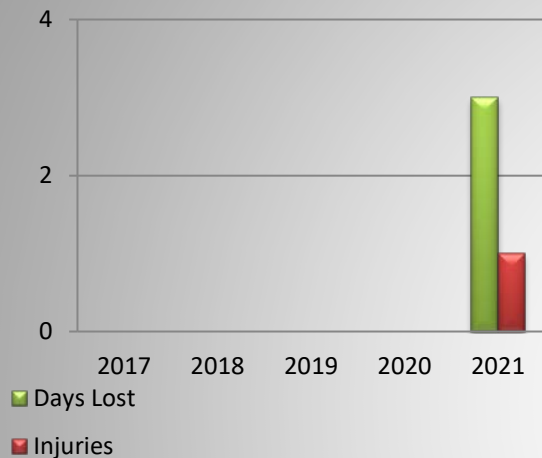
■ Total Rainfall in Inches as of
December 31, 2021

CY2017	CY2018	CY2019	CY2020	CY2021
40.52	42.82	49.88	35.03	26.54



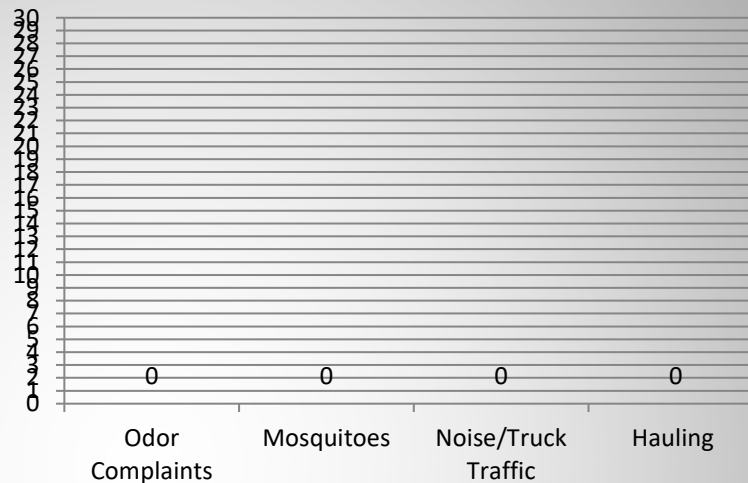
The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts

Injuries + Lost Time

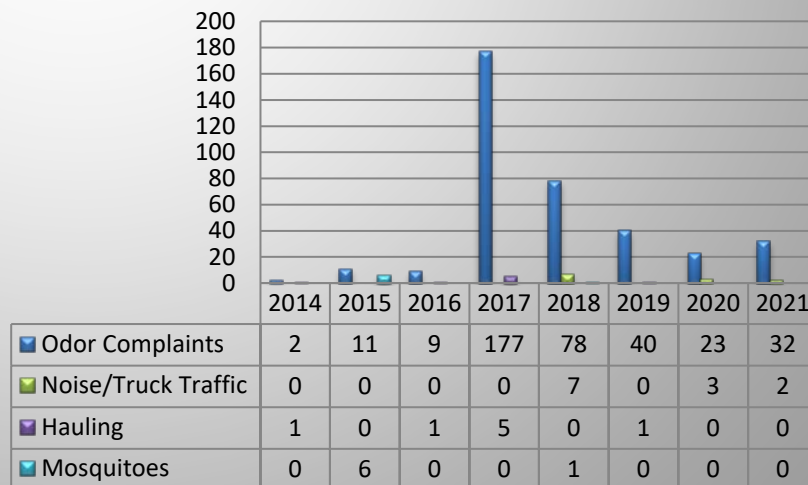


Year	2017	2018	2019	2020	2021
Injuries	0	0	0	0	1
Days Lost	0	0	0	0	3

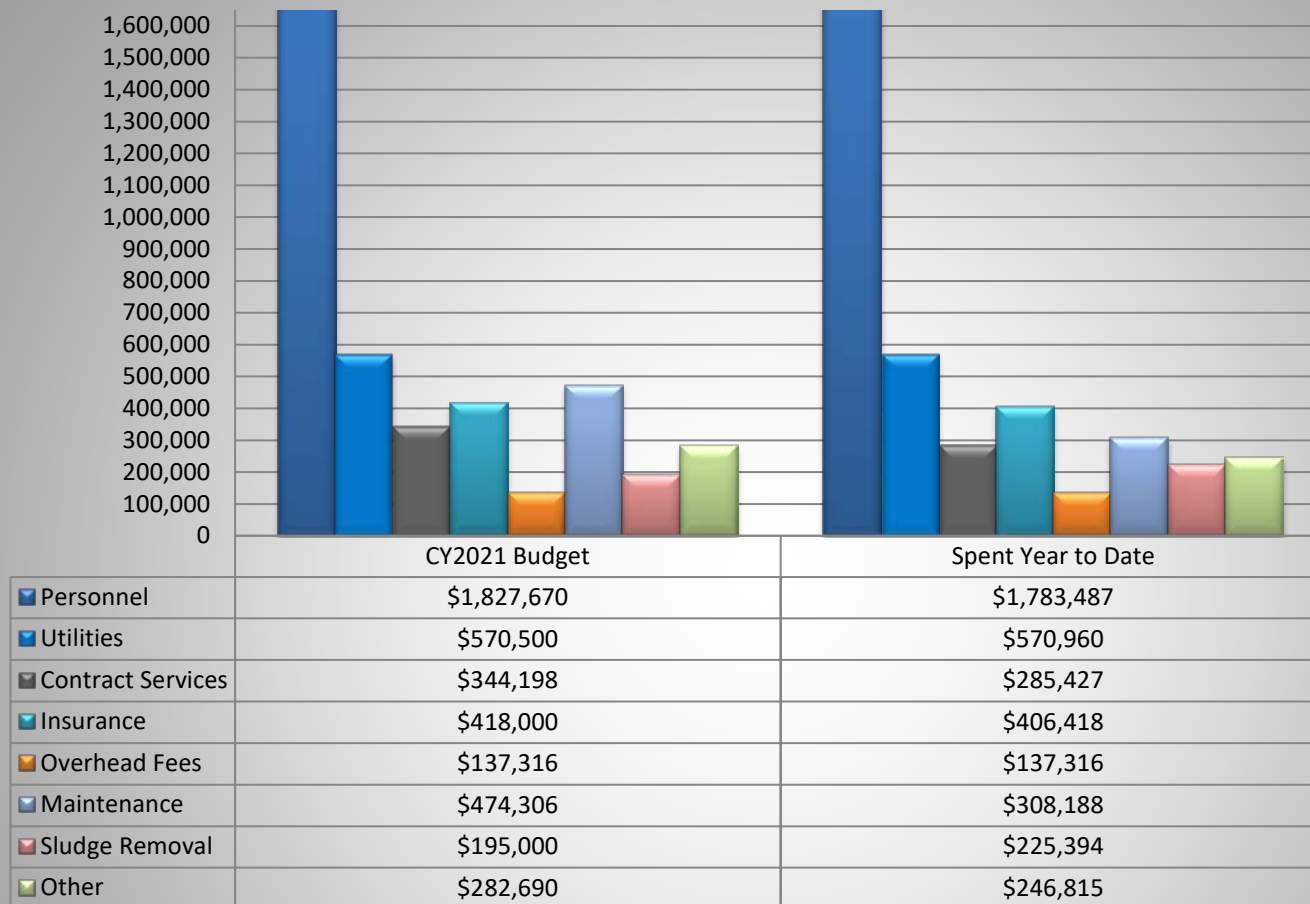
December 2021 Complaints



Annual Complaint Comparison



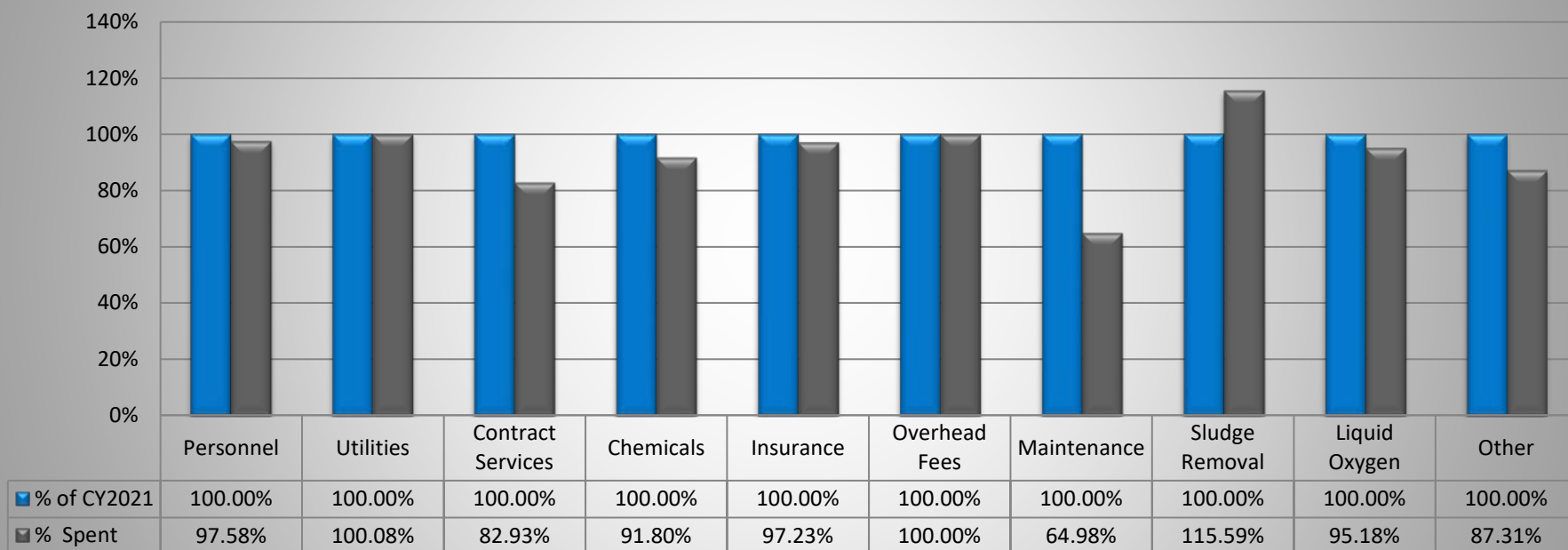
December 2021 O&M Expense \$ Reporting



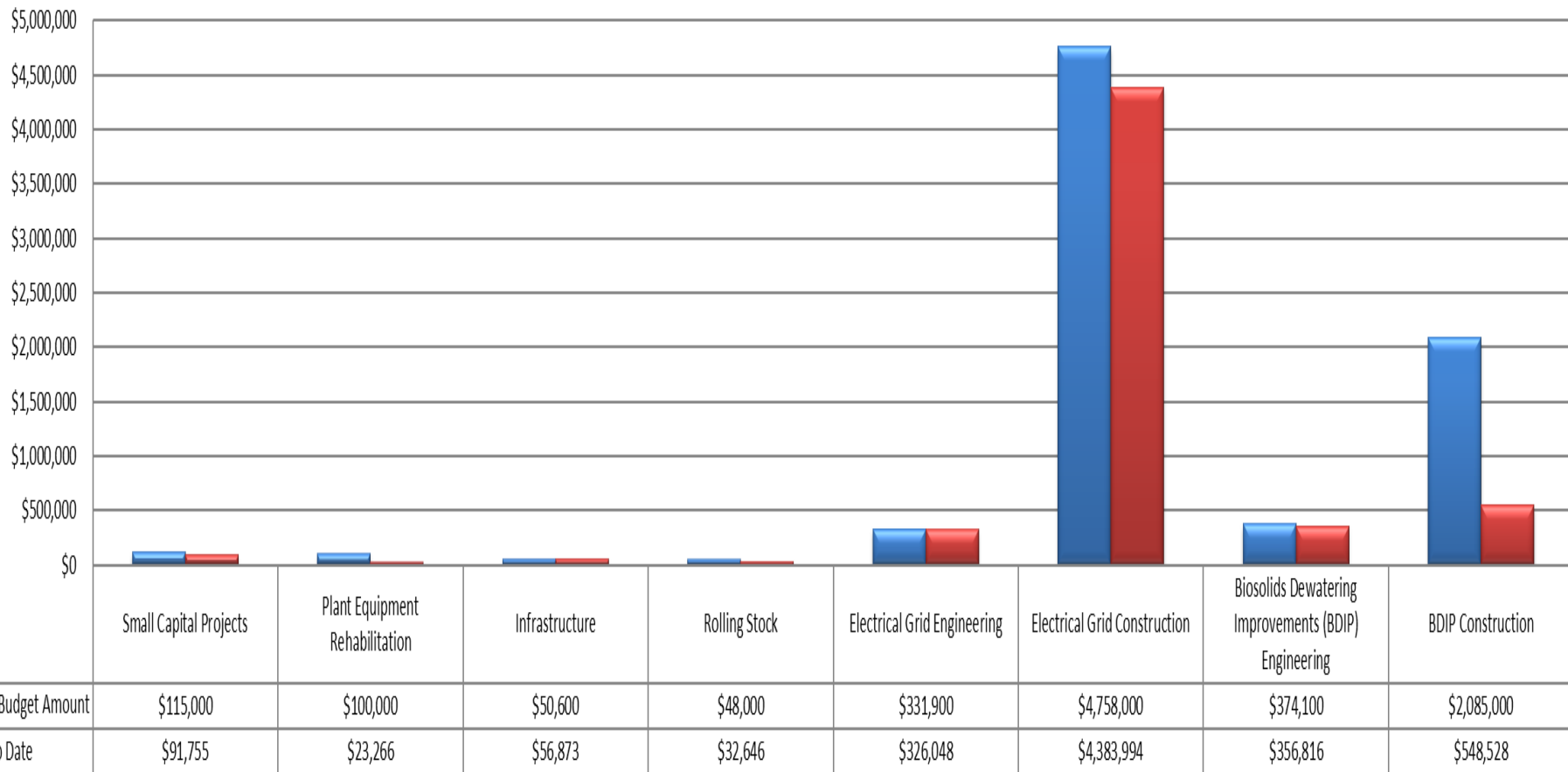
	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
CY2021 Budget	\$1,827,670	\$570,500	\$344,198	\$140,000	\$418,000	\$137,316	\$474,306	\$195,000	\$315,000	\$282,690
Spent Year to Date	\$1,783,487	\$570,960	\$285,427	\$128,516	\$406,418	\$137,316	\$308,188	\$225,394	\$299,806	\$246,815
% of CY2021	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
% Spent	97.58%	100.08%	82.93%	91.80%	97.23%	100.00%	64.98%	115.59%	95.18%	87.31%



December 2021 O&M Expense % Reporting



December 2021 Project Updates





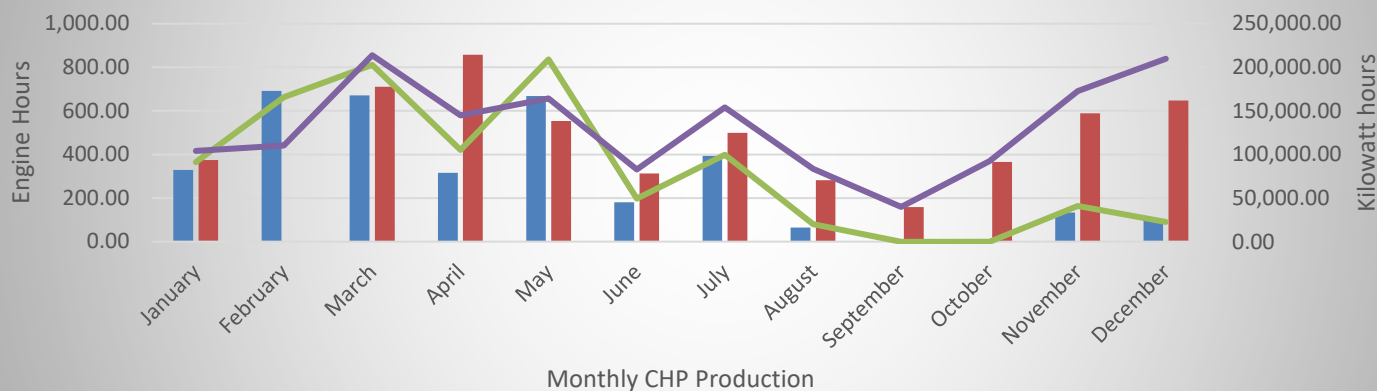
CY2021 Capital Projects

Description	Project Budget Amount	Spent to Date	January Updates
Small Capital Projects	\$115,000	\$91,755	December 31, 2021
Plant Equipment Rehabilitation	\$100,000	\$23,266	December 31, 2021
Infrastructure	\$50,600	\$56,873	December 31, 2021
Rolling Stock	\$48,000	\$32,646	December 31, 2021
Electrical Grid Engineering	\$331,900	\$326,048	December 31, 2021
Electrical Grid Construction	\$4,758,000	\$4,383,994	December 31, 2021
Biosolids Dewatering Improvements (BDIP) Engineering	\$374,100	\$356,816	December 31, 2021
BDIP Construction	\$2,085,000	\$548,528	December 31, 2021

Combined Heat & Power Production Report



Road to Net Zero



Monthly CHP Production 2021 = \$0.08/kWh						
	Engine #1 Hrs	Engine #2 Hrs	Engine #1 kWh	Engine #2 kWh	\$ Saved	% Electricity Generated
January	329.60	375.20	91,317.00	104,255.00	\$14,997.41	39%
February	691.00	0.00	165,866.00	110,341.00	\$21,180.89	61%
March	671.50	711.10	202,973.00	213,670.00	\$31,950.21	113%
April	315.90	858.00	105,411.00	144,712.00	\$19,180.64	59%
May	668.00	553.60	209,032.00	164,405.00	\$28,636.96	98%
June	180.60	313.40	49,460.00	82,980.00	\$10,156.14	23%
July	393.60	498.80	99,837.00	154,130.00	\$19,475.42	58%
August	65.80	282.90	20,058.00	83,705.00	\$7,957.05	19%
September	0.00	159.00	4.20	39,966.00	\$3,065.11	7%
October	0.00	365.40	0.00	92,487.00	\$7,092.35	18%
November	134.20	588.60	41,207.00	172,711.00	\$16,404.27	49%
December	101.40	647.20	22,858.40	209,649.00	\$17,829.79	49%



Return on Investment Monetary Breakdown

	RECS	HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ \$0.07/kWh	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss -
Calendar Year 2020								
January		200,970	\$10,048.50	\$18,042.01	\$1,890.00	\$26,200.51	\$31,256.00	(5,055.49)
February		141,465	\$7,073.25	\$20,094.73	\$1,512.89	\$25,655.09	\$31,256.00	(5,600.91)
March		173,840	\$8,692.00	\$19,599.80	\$580.00	\$27,711.80	\$31,256.00	(3,544.19)
April		153,275	\$7,663.75	\$20,494.55	\$2,436.00	\$25,722.30	\$31,256.00	(5,533.69)
May		136,460	\$6,823.00	\$17,846.52	\$2,254.85	\$22,414.67	\$31,256.00	(8,841.33)
June		153,920	\$7,696.00	\$19,134.51	\$1,395.44	\$25,435.07	\$31,256.00	(5,820.92)
July		161,425	\$8,071.25	\$9,251.31	\$1,161.36	\$16,161.20	\$31,256.00	(15,094.80)
August		219,075	\$10,953.75	\$20,545.50	\$1,846.00	\$29,653.25	\$31,256.00	(1,602.74)
September		187,790	\$9,389.50	\$16,063.45	\$4,621.48	\$20,831.47	\$31,256.00	(10,424.53)
October		221,345	\$11,067.25	\$31,816.95	\$1,846.00	\$41,038.20	\$31,256.00	9,782.20
November		165,540	\$8,277.00	\$14,524.77	\$2,463.88	\$20,337.89	\$31,256.00	(10,918.10)
December	\$24,198.77	261,102	\$13,055.10	\$21,787.92	\$993.00	\$58,048.79	\$31,256.00	26,792.79
Annual Totals	2,176,207	\$108,810.35	\$229,202.03	\$23,000.90	\$339,210.25			
Repayment Balance	\$3,300,633.09							
Annual Payback on Investment	\$240,438.87							
Current Return on Investment in Years	13.7							
	RECS	HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ \$0.07/kWh	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss -
Calendar Year 2021								
January		235,008	\$11,750.40	\$14,997.41	\$1,247.28	\$25,500.53	\$29,251.31	(3,750.78)
February		201,730	\$9,276.50	\$21,180.89	\$1,108.06	\$29,349.33	\$29,251.31	98.02
March		244,483	\$11,974.50	\$31,950.21	\$19,660.08	\$24,264.63	\$29,251.31	(4,986.68)
April	\$47,040.99	129,772	\$6,488.60	\$19,180.64	\$620.00	\$25,049.24	\$29,251.31	(4,202.06)
May		247,017	\$12,350.85	\$28,636.96	\$2,928.82	\$38,058.99	\$29,251.31	8,807.68
June		289,711	\$14,485.55	\$10,156.14	\$28,696.78	-\$4,055.09	\$29,251.31	(33,306.40)
July		248,491	\$12,424.55	\$19,475.42	\$619.67	\$31,280.30	\$29,251.31	2,028.99
August		220,450	\$11,022.50	\$7,957.05	\$2,021.03	\$16,958.52	\$29,251.31	(12,292.79)
September		289,424	\$14,471.20	\$3,065.11	\$399.44	\$17,136.87	\$29,251.31	(12,114.44)
October		369,790	\$18,489.50	\$7,092.35	\$649.63	\$24,932.22	\$29,251.31	(4,319.09)
November		341,230	\$17,061.50	\$16,404.27	\$79,950.00	-\$46,484.23	\$29,251.31	(75,735.54)
December		237,479	\$11,873.95	\$17,829.79	\$0.00	\$29,703.74	\$29,251.31	452.44
Annual Totals	\$47,040.99	3,054,585	\$151,669.60	\$197,926.25	\$137,900.79	\$211,695.06		
Repayment Balance	\$3,088,938.04							
Annual Payback on Investment	\$234,963.86							
Current Return on Investment in Years	13.1							

SECTION 5.0

CONSENT AGENDA

SECTION 5.1

MINUTES –

JANUARY 13, 2022

MEETING

**GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
MINUTES
January 13, 2022
Meeting held at the Glenbard Wastewater Plant
945 Bemis Road, Glen Ellyn, IL**

Members Present:

Mark Senak	President, Village of Glen Ellyn
Keith Giagnorio	President, Village of Lombard
Kelli Christiansen	Trustee, Village of Glen Ellyn
Bob Bachner	Trustee, Village of Lombard
Mark Franz	Village Manager, Village of Glen Ellyn
Dave Buckley	Public Works Director, Village of Glen Ellyn
Carl Goldsmith	Public Works Director, Village of Lombard

Others Present:

Matthew Streicher	Executive Director, GWA
Thomas Romza	Assistant Director, GWA
Jon Braga	Maintenance Superintendent, GWA
Andy Pakosta	Operations Superintendent, GWA
Gayle Lendabarker	Administrative Secretary, GWA
Christina Coyle	Finance Director, Village of Glen Ellyn

1. Call to Order at 8:00 a.m.
2. Pledge of Allegiance
3. Roll Call: President Giagnorio, President Senak, Trustee Bachner, Trustee Christiansen, Mr. Niehaus, Mr. Franz, Mr. Goldsmith and Mr. Buckley answered “Present”. Mr. Franz arrived at 8:04 a.m. after Roll Call and after approval of Consent Agenda items. Mr. Niehaus was excused.
4. Public Comment – President Senak expressed is appreciate to President Giagnorio for taking the lead on the Committee while he learned the ropes.
5. Announcement of new Operations Superintendent, Andy Pakosta, and new Operator 4, Michael Lubben.

Mr. Streicher acknowledged David Goodalis, GWA’s Operations Superintendent who retired in December after twenty (23) years of service. Mr. Streicher stated that as a result of Mr. Goodalis’ retirement GWA recruited applicants for his replacement and after interviewing internal and external candidates selected an internal replacement by promoting Andrew Pakosta to the position. Mr. Pakosta has been with GWA for a little more than fourteen (14) years.

Mr. Pakosta thanked Mr. Streicher for the introduction and stated that he looks forward to the challenge of the position and working with the EOC Committee.

Mr. Streicher added that GWA promoted one of the part-time weekend operators to full-time operator, Michael Lubben, as Mr. Pakosta's replacement. Mr. Streicher added the Mr. Lubben had been employed with GWA for just under a year and had taken a lot of initiative by acquiring a Class IV operator's license on his own.

President Senak commended Mr. Streicher on the succession planning initiatives GWA has done in order to fill positions internally.

6. Consent Agenda - The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

Motion the EOC to approve the following items including Payroll and Vouchers for part of the months of October, November and December 2021 \$2,345,515.78 (Trustee Christiansen).

Mr. Franz motioned and President Giagnorio seconded the MOTION that the following items, on the Consent Agenda be approved. President Giagnorio, President Senak, Trustee Bachner, Mr. Niehaus, Mr. Goldsmith and Mr. Buckley responded "Aye" during a roll vote. The motion carried.

- 6.1 Executive Oversight Committee Meeting Minutes
 - October 14, 2021 meeting
- 6.2 Vouchers previously reviewed by Trustee Christiansen
 - October, November and December 2021
- 6.3 Request for Authorization to continue into Year 2 of 3 of the Janitorial Services Contract with Vega Building Maintenance.

GWA requests authorization to continue into year two of the three-year contract for Janitorial Services with Vega Building Maintenance for \$13,780, and shall be invoiced to Fund 270-520971 in CY2022

- 6.4 Request for Authorization to Enter into Year 3 of 3 of Flow Monitoring Services Contract with RJN Group, Inc.

GWA requests authorization to continue into year three of the three-year contract for Flow Monitoring Services with the RJN Group, Inc. The amount of \$132,000 shall be invoiced to Fund 270-520981 in CY2022.

- 6.5 Request for Authorization to Enter into Year 3 of 3 of Sodium Thiosulfate Supply Contract with PVS Chemical.

GWA requests authorization to continue into year three of the three-year contract for the Sodium Thiosulfate Supply Contract with PVS Chemical at \$2.59/gallon, and shall be invoiced to Fund 270-1-530440 in CY2022.

- 6.6 Request for Authorization to Enter into Year 3 of 3 of Sodium Hypochlorite Supply Contract with Alexander Chemical Corporation.

The Operations Staff requests the EOC to authorize award of Alexander Chemical Corporation year three of the 3-year Sodium Hypochlorite supply contract for a unit price of \$1.927 per gallon delivered. The cost of the Sodium Hypochlorite will be expensed to the Glenbard's Stormwater Plant O&M CY 2022 budget line item 270-1 530440.

- 6.7 Request for Authorization to Enter into Year 2 of 3 of the Biosolids Hauling Contract with Synagro.

The Operations Staff requests the EOC to authorize award of Synagro year two of the 3-year Biosolids Hauling Contract for a unit price of \$19.20 per cubic yard of daily hauling. The cost of the Biosolids Handling will be expensed Fund 270-521150 in CY2022.

- 6.8 Contract Laboratory Services Open Purchase Order Request

The Authority Staff would like to request waiving of competitive bidding requirements per the Village of Glen Ellyn code, 1-10-2: EXCEPTIONS TO COMPETITIVE BIDDING. Per Administrative Order No. 3 Section "D" Professional Services – Section 3 the Authority is required to seek at least three competitive proposals. The request provides support that the Authority has gathered and evaluated three competitive proposals from qualified laboratories.

This request is made due to the specific requirements that need to be met in order for the Authority to properly test our Influent, Effluent, Anaerobic Digester and Land Applied Biosolids samples per the IEPA and EPA specifications. With the EOC's approval, a purchase order will be created under O&M account 270-520806 – Professional Services Laboratory Support for a not to exceed budgeted amount of \$27,500 to be utilized during the 2022 calendar year.

7. Request to Approval for Preliminary Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program Design Contract

In October 2021 Authority staff developed and sent out a request for qualifications and technical proposals to our six shortlisted professional consulting firms for Design

Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program. The due date for the proposals was December, 3, 2021. The Authority received three sets of qualifications and technical proposals in response to the RFP that was sent out, at which point staff performed an initial review, and narrowed it down to the RJN Group being the most qualified. This selection process was discussed with the TAC and all were in agreement with the selected firm.

In addition to the scope requested in the original RFP, after the firm was selected, an addendum was added to the scope. The Authority recently learned that the Illinois Department of Transportation (IDOT) is attempting to make a Rt. 53 Improvements project shovel ready in short order. The Authority has a force main located within the project corridor that will need some minor adjustments to accommodate the IDOT project. Therefore, since the force main has not been inspected since it was installed in the early 1980's, the Authority decided to add the inspection of the force main to the scope of this work. If it is determined that any rehabilitation is needed as a result of the inspection, the rehabilitation work can occur in conjunction with the IDOT improvements, when the Authority is making adjustments to accommodate the IDOT project. RJN Group submitted a proposal of \$42,000 for the inspection of the force main with associated reports, data, and recommendations. In the approved CY2022 budget, Fund 40-580150, Plant Equipment Rehabilitation, has \$50,000 budgeted designated towards Annual Lift Station Rehabilitation Funding, which would be applied towards this scope.

After the firm was selected, the sealed cost proposal was requested and costs were negotiated. RJN Group proposed first submitting a proposal simply for preliminary engineering, and upon completing the preliminary scope, they would have a better understanding of the level of effort needed to complete the final design, prepare bidding documents, assist with the bidding, and part-time construction services. It was determined the proposed time & materials/not to exceed cost of \$35,000 for preliminary design of the improvements was already a reduced fee due to RJN's knowledge of efforts known to complete the design. The fee was able to be negotiated from being a fixed fee to a time and material cost/not to exceed basis.

Therefore, it is recommended the EOC authorize the Authority to award RJN Group, Inc. the Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program in the amount not to exceed **\$35,000**, and the Valley View Lift Station Force Main Assessment in the amount not to exceed **\$42,000**, for a total of **\$77,000**. This amount will be taken out of the designated amount in CY2022 Approved Budget, Fund 40-580150 Capital Plant Equipment Rehabilitation.

Mr. Romza stated that part of the capital projects for GWA is to inspect and rehabilitate the inceptor system; beginning in 2018 through 2019, GWA had inspections on the lines and structures performed. After reviewing the data, the decision was made to request proposals for design of rehabilitation the system. Mr. Romza stated that after a formal RFP process, staff selected RJN to provide the services. Mr. Romza added that during cost negotiations, RJN noted that, at this point, it is difficult to develop a final design

engineering plan without knowing the full scope of work to be done, which is why the proposal is for preliminary engineering to determine the scope of the work needed. By performing preliminary design, they will be able to have a clear picture of the work needed in order to complete the final design, prepare bidding documents, assist with the bidding process and provide part-time construction services.

Mr. Romza explained that the costs associated with Valley View Lift Station force main is a result of IDOT's plans to do road widening work, which is where the force main lies directly under the area to be widened.

Trustee Bachner motioned and Mr. Goldsmith seconded the motion to award RJN Group, Inc. the Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program in the amount not to exceed \$35,000, and the Valley View Lift Station Force Main Assessment in the amount not to exceed \$42,000, for a total of \$77,000. This amount will be taken out of the designated amount in CY2022 Approved Budget, Fund 40-580150 Capital Plant Equipment Rehabilitation. President Giagnorio, President Senak, Trustee Bachner, Trustee Christiansen Mr. Franz, Mr. Goldsmith, and Mr. Buckley responded "Aye" during a roll vote. The motion carried.

8.0 Discussion

8.1 Capital Improvement Projects Update

Electrical Grid Project:

Mr. Romza highlighted that most of the underground work on this project is now complete with testing and switching things over to the new electrical grid and removal of old equipment being done.

Mr. Streicher advised the EOC Committee that on Tuesday, after the agenda was released, at the intermediate pump station, one of the electrical contractors experienced an ARC flash and suffered serious burn on his hand, he was rushed to the hospital emergency room and was eventually transferred to Loyola for treatment. Mr. Streicher added he is waiting for the contractor to supply the full incident report of what happened and will obviously share the information with legal counsel just as a precaution. Mr. Streicher expressed his appreciation to GWA Staff, especially Andy Pakosta and Jon Braga for taking the lead in coming together to get the pump station back up and running, as the arc flash took down power to half of the system. Mr. Romza stated that even with the problems and as a result of the staff efforts, the plant did not break permit requirements. Mr. Streicher noted that staff was onsite until 9:00 p.m. that working to make sure everything was running properly.

Trustee Christiansen inquired as to the status of the injured employee. Mr. Streicher indicated he was awake and alert when he was transported to the hospital. Mr. Streicher asked Mr. Pakosta if he saw the photo the employee's arm. Mr. Pakosta advised that he had and that from about the elbow down was charred.

Mr. Pakosta added that he spoke with the contractor that evening who had received a message from the injured worker stating he was okay, but that was the extent of his knowledge. Mr. Streicher added that this was a 480-volt, 800-amp service, which is a significant amount of electricity to get hit with. Mr. Romza stated while it was not life threatening, it was definitely a life changing injury. Mr. Streicher added that in relation to any liability on GWA's part, the first part of electrical code states that he should have been wearing the proper protective equipment; additionally, the employee was aware that the bus bar on the bottom was hot, so the employee should have been taking every precaution to protect himself.

President Senak complimented GWA staff on their professional handling of the entire situation.

Mr. Romza advised that for the most part, the project had a negative change order balance, however, due costs associated with moving the electric pole a change order increasing the contract will be issued in the near future. Mr. Romza noted that GWA has been unsuccessful in getting ComEd to cover part or all of the additional costs incurred considering they did not communicate the issue with the existing pole being condemned and the need to move the pole 10ft away from the condemned pole, to GWA or the contractor until the project had progressed to the point of making the new connection to the pole. Mr. Romza stated that the change order amount will be approximately \$5,000, which on a \$4 million dollar project is not terrible.

Mr. Romza stated the project will hopefully be completed by March with most of the delays being the result of supply chain issues.

Biosolids Dewatering Project:

Mr. Romza noted that there has not been a lot of heavy work completed yet, but this will begin taking place next week, with the start of shutdowns and the rehab of the belt filter presses, which is the real "meat" of the project and will hopefully wrap up at the same time as the electrical grid project. Mr. Romza mentioned that the project is a little behind schedule due to supply chain delays.

Future Projects:

RAS Header Replacement:

Mr. Romza noted that Dahme Mechanical is going to be the contractor on this project and Mr. Braga will be heading up the project which should take about a week to complete and will begin once the weather is more favorable.

Primary Clarifier Rehabilitation:

Mr. Romza advised that the project is currently out to bid.

Interceptor Rehabilitation:

No true update at this time.

EOC Meeting/January 2022
Minutes

- 9.0 Other Business
- 9.1 Technical Advisory Committee Update
Mr. Streicher advised that the TAC meetings still took place even though the last EOC Committee meeting was in October 2021.
10. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, February 10, 2022 at 8:00 a.m.***

Trustee Franz made the motion to adjourn the January 13, 2022 EOC Committee and Trustee Christiansen seconded the MOTION. President Senak, President Giagnorio, Trustee Bachner, Trustee Christiansen, Mr. Franz, Mr. Buckley and Mr. Goldsmith responded “Aye” during a roll call. The motion carried. The meeting adjourned at 8:16 a.m.

Submitted by:

Gayle A. Lendabarker
GWA Administrative Secretary

SECTION 5.2

VOUCHER REPORTS

VOUCHERS

* Employee deductions include contributions for pensions, health insurance, union dues and other employee directed deductions such as tax withholdings, 457 & 125 plan contributions and supplemental life insurance.

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
538 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY										
24773		11/18/2021		0122-1	3159	318,500.64	01/15/2022	DIR	PD	LOAN #L17-2874-LOAN PAYME
1268 JP MORGAN CHASE NA										
1946638		01/05/2022		0122-2	3160	363.28	01/28/2022	DIR	PD	ALLFUSES.COM- ELETRICAL P
24811		01/05/2022		0122-2	3161	372.23	01/28/2022	DIR	PD	TOUCHBOARDS - ELECTRICAL
1946541		01/05/2022		0122-2	3162	17.48	01/28/2022	DIR	PD	JEWEL - SUPPLIES FOR HOLI
24812		01/05/2022		0122-2	3163	32.99	01/28/2022	DIR	PD	JEWEL - CAKE FOR RETIREME
24813		01/05/2022		0122-2	3164	-11.37	01/28/2022	CRM	PD	ACCO BRANDS - SALES TAX C
24814		01/05/2022		0122-2	3165	99.68	01/28/2022	DIR	PD	KEURIG - COFFEE SUPPLIES
24815		01/05/2022		0122-2	3166	72.28	01/28/2022	DIR	PD	JACKSON HIRSH - LAMINATIN
24816		01/05/2022		0122-2	3167	19.46	01/28/2022	DIR	PD	AMAZON - JANITORIAL SUPPL
24817		01/05/2022		0122-2	3168	14.49	01/28/2022	DIR	PD	AMAZON - JANITORIAL SUPPL
24818		01/05/2022		0122-2	3169	89.00	01/28/2022	DIR	PD	AT&T - BACKUP WIFI
24819		01/05/2022		0122-2	3170	89.00	01/28/2022	DIR	PD	AT&T - BACKUP WIFI
24820		01/05/2022		0122-2	3171	7.46	01/28/2022	DIR	PD	UPS - LATE FEES ON INVOIC
24821		01/05/2022		0122-2	3172	195.20	01/28/2022	DIR	PD	SHANNON'S DELI - FOOD FOR
1906931		01/05/2022		0122-2	3173	-25.25	01/28/2022	CRM	PD	KLEEN RITE - REFUND OF SA
24822		01/05/2022		0122-2	3174	784.11	01/28/2022	DIR	PD	GLOBAL INDUSTRIES - BOLLA
1946736		01/05/2022		0122-2	3175	40.00	01/28/2022	DIR	PD	CSWEA - STAAT SEMINAR REG
24823		01/05/2022		0122-2	3176	40.00	01/28/2022	DIR	PD	CSWEA - STREICHER SEMINAR
24824		01/05/2022		0122-2	3177	61.35	01/28/2022	DIR	PD	IL PROF LICENSE FEE - PRO
24825		01/05/2022		0122-2	3178	12.74	01/28/2022	DIR	PD	ZOOM- MONTHLY SUBSCRIPTIO
293 VILLAGE OF GLEN ELLYN										
1013197		01/17/2022		0122-2	3179	14,861.50	01/28/2022	DIR	PD	MONTHLY IFT TRANSFER
881 AIRGAS, INC										
24755	20210005	01/01/2022		0122-1	960508	1,500.00	01/15/2022	INV	PD	YEAR 5 OF VAPORIZER LEASI
24752		01/01/2022		0122-1	960508	7,900.98	01/15/2022	INV	PD	#2024961-LIQUID OXYGEN -
24756		01/01/2022		0122-1	960508	77.91	01/15/2022	INV	PD	#2024961-ELECTRICAL GAS C

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE	NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
							9,478.89				
						1246 FOX MARKETING GROUP					
24795		01/11/2022		0122-1	960509		397.15	01/15/2022	INV	PD	#1535-BUSNESS CARDS - JAN
						1260 APPLIED INDUSTRIAL TECHNOLOGIES INC					
24753		12/28/2021		0122-1	960510		420.24	01/15/2022	INV	PD	#1251999-MAINT PARTS- DEC
						1364 B&B NETWORKS, INC.					
24796		01/05/2022		0122-1	960511		77.50	01/15/2022	INV	PD	TELEPHONE SUPPORT SVCS -
24797		01/05/2022		0122-1	960511		2,450.00	01/15/2022	INV	PD	ANNUAL SUPPORT SVC AGREEM
							2,527.50				
						33 CALCO, LTD.					
24757		12/22/2021		0122-1	960512		148.00	01/15/2022	INV	PD	#8061-LAB CHEMICALS - DEC
						47 CINTAS CORPORATION #769					
24765		12/27/2021		0122-1	960513		169.90	01/15/2022	INV	PD	#14944758-MAINT SHOP TOWE
						1218 COLLEY ELEVATOR CO.					
24766		01/01/2022		0122-1	960514		206.00	01/15/2022	INV	PD	#BE0945-MONTHLY ELEVATOR
						490 COMCAST CABLE COMMUNICATIONS, LLC					
24767		12/25/2021		0122-1	960515		268.32	01/15/2022	INV	PD	#8771200570017919-INTERNE
						1307 CONSERV FS INC					
24798		01/05/2022		0122-1	960516		250.80	01/15/2022	INV	PD	#809450-MAINT SUPPLIES -
						66 DETECTION SYSTEMS & SERVICE INC.					
24769		12/15/2021		0122-1	960517		336.00	01/15/2022	INV	PD	ANNUAL INSTRUSION ALARM M
						994 DIRECT ENERGY MARKETING, INC.					
24743		12/23/2021		0122-1	960518		39,408.92	12/30/2021	INV	PD	#1152328-ELECTRIC SVC NOV
						293 VILLAGE OF GLEN ELLYN					
24788		01/01/2022		0122-1	960519		19.86	01/15/2022	INV	PD	#432720-WATER SVC-OCT/NOV
24789		01/01/2022		0122-1	960519		938.88	01/15/2022	INV	PD	#610130-WATER SVC - NOV 2
							958.74				
						297 W.W. GRAINGER, INC.					
24799		01/04/2022		0122-1	960520		233.72	01/15/2022	INV	PD	#801764762-ELECTRICAL SUP
						743 GROOT, INC					

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
24779		01/01/2022		0122-1	960521	386.97	01/15/2022	INV	PD	#310769434001-REFUSE SVCS
			124 HOME DEPOT USA, INC							
24801		01/04/2022		0122-1	960522	114.66	01/15/2022	INV	PD	#7114-OPERATOINS HI-VIS S
24802		01/09/2022		0122-1	960522	19.60	01/15/2022	INV	PD	#7114-FIN CHARGE #2292505
						134.26				
			1166 IDEA MARKETING GROUP, INC							
24770		01/01/2022		0122-1	960523	95.00	01/15/2022	INV	PD	WEB SITE HOSTING FEES - J
			185 KONICA MINOLTA BUSINESS SOLUTIONS INC							
24758		12/25/2021		0122-1	960524	73.64	01/15/2022	INV	PD	#146316-COPIER USAGE NOV/
			1149 LINKO TECHNOLOGY INC							
24775		10/28/2021		0122-1	960525	4,285.00	01/15/2022	INV	PD	LINKO SOFTWARE RENEWAL -
			295 VILLAGE OF LOMBARD							
24790		01/10/2022		0122-1	960526	24.33	01/15/2022	INV	PD	#31774-001-WATER SVC-NOV
24791		01/01/2022		0122-1	960526	96.17	01/15/2022	INV	PD	#30042-001-CSO WATER SVC-
						120.50				
			171 MCMASTER-CARR SUPPLY CO.							
24780		12/30/2021		0122-1	960527	21.97	01/15/2022	INV	PD	#7735700-MAINT SUPPLIES -
24803		01/04/2022		0122-1	960527	117.41	01/15/2022	INV	PD	#7735700-MAINT PART-JAN 2
						139.38				
			1211 GMC METALS, INC.							
24805		01/12/2022		0122-1	960528	346.72	01/15/2022	INV	PD	MAINT METAL STOCK - JAN 2
			188 MOTION INDUSTRIES INC							
24759		12/30/2021		0122-1	960529	84.20	01/15/2022	INV	PD	#80514201-MAINT SUPPLIES
24804		01/05/2022		0122-1	960529	39.82	01/15/2022	INV	PD	#80514201-MAINT PARTS - J
						124.02				
			1142 GENUINE PARTS CO-NAPA							
24806		01/12/2022		0122-1	960530	5.04	01/15/2022	INV	PD	#13643-MAITN SUPPLIES - J
			1372 PEERLESS NETWORK, INC.							
24810		01/15/2022		0122-1	960531	1,198.98	01/15/2022	INV	PD	#1209792-PHONE SVC - JAN
			237 RANDALL PRESSURE SYSTEMS, INC.							
24807		01/10/2022		0122-1	960532	128.92	01/15/2022	INV	PD	#334020-MAINT SUPPLIES -

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1212 RJN GROUP, INC										
24781	20210006	01/05/2022		0122-1	960533	9,649.00	01/15/2022	INV	PD	YEAR TWO OF FLOW MONITORI
993 SIEMENS INDUSTRY, INC.										
24776		01/01/2022		0122-1	960534	7,112.00	01/15/2022	INV	PD	#30264322-ANNUAL FIRE ALA
939 STAPLES CONTRACT & COMMERCIAL INC.										
24761		12/22/2021		0122-1	960535	77.94	01/15/2022	INV	PD	DET1680518-LUNCHROOM SUPP
24808		01/03/2022		0122-1	960535	31.49	01/15/2022	INV	PD	DET1680518-OFFICE SUPPLIE
						109.43				
738 SUBURBAN LABORATORIES, INC.										
24762		12/30/2021		0122-1	960536	520.00	01/15/2022	INV	PD	LAB SERVICES - DEC 2021
1331 SWIFTCOMPLY US OPCO INC.										
24777		12/01/2021		0122-1	960537	4,550.00	01/15/2022	INV	PD	ANNUAL SOFTWARE LICENSE R
271 TERRACE SUPPLY COMPANY										
24782		12/31/2021		0122-1	960538	61.07	01/15/2022	INV	PD	#315850-WELDING CYLINDER
1001 TROTTER AND ASSOCIATES, INC.										
24783	20200002	12/31/2021		0122-1	960539	3,448.00	01/15/2022	INV	PD	BIOSOLIDS DEWATERING IMP
289 HD SUPPLY FACILITIES MAINT LTD										
24764		12/23/2021		0122-1	960540	185.43	01/15/2022	INV	PD	#222656-LAB SUPPLIES - DE
1344 VEGA BUILDING MAINTENANCE & SUPPLIES INC										
24763	20210003	01/03/2022		0122-1	960541	1,148.00	01/15/2022	INV	PD	YEAR ONE JANITORIAL SERVI
988 VERIZON WIRELESS SERVICES LLC										
24784		01/01/2022		0122-1	960542	243.67	01/15/2022	INV	PD	#842065533-00001-REMOTE S
964 AIR SERVICES COMPANY										
24861		01/20/2022		0122-2	960543	564.96	01/31/2022	INV	PD	#100926-MAINT SUPPLIES -
881 AIRGAS, INC										
24794		01/08/2022		0122-2	960544	4,504.89	01/15/2022	INV	PD	#2024961-LIQUID OXYGEN -
24831		01/15/2022		0122-2	960544	3,078.34	01/31/2022	INV	PD	#2024961-LIQUID OXYGEN -
24851		01/22/2022		0122-2	960544	5,481.23	01/31/2022	INV	PD	#2024961-LIQUID OXYGEN -
						13,064.46				
218 PATTEN INDUSTRIES, INC.										

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
24834		01/14/2022		0122-2	960545	209.00	01/31/2022	INV	PD	#1512901-GENERATOR PARTS
24833		01/14/2022		0122-2	960545	742.50	01/31/2022	INV	PD	#1512901-GENERATOR PARTS
24835		01/14/2022		0122-2	960545	1,269.90	01/31/2022	INV	PD	#1512901-CO-GEN GENERATOR
						2,221.40				
461 AMERICAN PUBLIC WORKS ASSOCIATION										
24864		01/26/2022		0122-2	960546	725.00	01/28/2022	INV	PD	PAKOSTA ISPI SPRING 2022
24865		01/26/2022		0122-2	960546	725.00	01/28/2022	INV	PD	ROMZA IPSI SPRING 2022 RE
24866		01/26/2022		0122-2	960546	725.00	01/28/2022	INV	PD	STAAT ISPSI SPRING REGIST
24867		01/26/2022		0122-2	960546	725.00	01/28/2022	INV	PD	SIMPSON IPSI SPRING REGIS
						2,900.00				
1350 BROADWAY ELECTRIC, INC.										
24827	20200016	12/31/2021		0122-2	960547	126,983.90	01/31/2022	INV	PD	ELECTRICAL POWER DISTRIBU
1160 CHICAGO METROPOLITAN FIRE PREVENTION CO.										
24852		01/16/2022		0122-2	960548	177.00	01/31/2022	INV	PD	#6799-VVLS ALARM SVCS-JAN
768 CINTAS FIRST AID & SAFETY										
24836		01/14/2022		0122-2	960549	327.38	01/31/2022	INV	PD	#10127979-FIRST AID SVC/S
50 COMMONWEALTH EDISON COMPANY										
24828		01/12/2022		0122-2	960550	15.35	01/31/2022	INV	PD	#6243526021-SUNNYBROOK EL
1248 CONCENTRIC INTEGRATION										
24858		01/21/2022		0122-2	960551	128.25	01/31/2022	INV	PD	PROJ #202166.00-IT SERVIC
1138 CONSTELLATION ENERGY SERVICES INC										
24793		01/11/2022		0122-2	960552	9,286.11	01/15/2022	INV	PD	#BG-11933-NATURAL GAS USA
994 DIRECT ENERGY MARKETING, INC.										
24850		01/20/2022		0122-2	960553	39,815.50	01/31/2022	INV	PD	#1152328-ELECTRIC USAGE D
100 FLOW-TECHNICS, INC										
24829		11/04/2021		0122-2	960554	451.92	01/31/2022	INV	PD	GLE02-MAINT PARTS - NOV 2
297 W.W. GRAINGER, INC.										
24840		01/13/2022		0122-2	960555	337.14	01/31/2022	INV	PD	#801764762-ELECTRICAL SUP
24839		01/19/2022		0122-2	960555	7.74	01/31/2022	INV	PD	#801764762-MAINT PARTS-JA
24838		01/20/2022		0122-2	960555	213.19	01/31/2022	INV	PD	#801764762-ELECTRICAL SUP
24853		01/20/2022		0122-2	960555	152.59	01/31/2022	INV	PD	#801764762-LUNCHROOM SUPP
						710.66				
124 HOME DEPOT USA, INC										

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
24792		12/06/2021		0122-2	960556	16.71	01/15/2022	INV	PD	#7114-OPERATIONS SUPPLIES
24809		01/11/2022		0122-2	960556	70.45	01/15/2022	INV	PD	#7114-OPERATIONS SUPPLIES
						87.16				
1353 INDEPENDENT MECHANICAL INDUSTRIES, INC.										
24868	20210009	12/14/2021		0122-2	960557	155,422.84	01/31/2022	INV	PD	BIOSOLIDS DEWATERING IMPR
1278 TYCO FIRE & SECURITY (US) MANAGEMENT, INC.										
24841		01/08/2022		0122-2	960558	138.00	01/31/2022	INV	PD	#1300133268280-ALARM SVCS
24842		01/08/2022		0122-2	960558	152.84	01/31/2022	INV	PD	#1300133259417-ST CHAS LS
						290.84				
1102 JULIE, INC.										
24844		01/10/2022		0122-2	960559	290.46	01/31/2022	INV	PD	GWWA0A-ANNUAL ASSESSMENT
787 JWC ENVIRONMENTAL LLC										
24845		01/12/2022		0122-2	960560	113.99	01/31/2022	INV	PD	#5033256-ELECTRICAL PARTS
157 LEN'S ACE HARDWARE, INC.										
24846		01/19/2022		0122-2	960561	5.74	01/31/2022	INV	PD	#331050-MAINT SUPPLIES -
1135 LIBERTY PROCESS EQUIPMENT, INC.										
24847		01/13/2022		0122-2	960562	377.30	01/31/2022	INV	PD	#GLEWA-MAINT PARTS-JAN 20
171 MCMASTER-CARR SUPPLY CO.										
24860		01/19/2022		0122-2	960563	17.82	01/31/2022	INV	PD	#7735700-MAINT SUPPLIES -
188 MOTION INDUSTRIES INC										
24855		01/21/2022		0122-2	960564	111.49	01/31/2022	INV	PD	#08514201-MAINT SUPPLIES
206 NORTHERN ILLINOIS GAS COMPANY										
24830		01/07/2022		0122-2	960565	66.71	01/31/2022	INV	PD	#95412930760-SUNNYBROOK N
224 POLYDYNE INC										
24856		01/10/2022		0122-2	960566	10,764.00	01/31/2022	INV	PD	#103379-OPS POLYMER-JAN 2
939 STAPLES CONTRACT & COMMERCIAL INC.										
24857		01/20/2022		0122-2	960567	106.95	01/31/2022	INV	PD	DET1680518-LUNCHROOM SUPP
738 SUBURBAN LABORATORIES, INC.										
24849		01/18/2022		0122-2	960568	40.00	01/31/2022	INV	PD	LAB SERVICES - DEC 2021
1271 SYNAGRO-WWT										

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
24859		01/24/2022		0122-2	960569	17,203.20	01/31/2022	INV	PD	#3430-BIOSOLIDS HAULING D
			988 VERIZON WIRELESS SERVICES LLC							
24863		01/18/2022		0122-2	960570	462.22	01/31/2022	INV	PD	#687026363-00001-CELL PHO
			300 WATER ENVIRONMENT FEDERATION							
24862		01/25/2022		0122-2	960571	1,755.00	01/31/2022	INV	PD	ANNUAL WEF MEMBERSHIPS-20
106 INVOICES						808,268.09				

** END OF REPORT - Generated by Colette Ameche **

SECTION 6.0

AUTHORIZATION TO APPROVE DESIGN ENGINEERING SERVICES FOR PRIMARY CLARIFIER/GRAVITY THICKENER IMPROVEMENTS PROJECT

MEMORANDUM

TO: Executive Oversight Committee

FROM: Tom Romza, P.E.

DATE: February 10, 2022

RE: Request for Approval

Design Engineering Services pertaining to the 2022 Primary Clarifier and Thickener Rehabilitation Program



In November 2021 Authority staff developed and sent out a request for qualifications and technical proposals to our six (6) shortlisted professional consulting firms for Design Engineering Services pertaining to the 2022 Primary Clarifier and Thickener Rehabilitation Program. The due date for the proposals was January 17, 2022.

Primary treatment at GWA includes two circular primary sedimentation tanks which perform solids and organic removal prior to biological treatment. Effluent from these tanks is directed towards the aeration deck while solids are either pumped from the bottom of the tanks to the gravity thickener or skimmed from the surface of the tanks and sent to the Scum system.

The primary clarifier drive units were most recently replaced in 2004, while the clarifier mechanisms are original to the 1977 plant build. The clarifier structures are in good overall condition, while the scum system is generally in poor condition and often down for repairs. The gates for the diversion of flow to the clarifiers are also original to the 1977 plant build and are in deteriorating condition. All pumps associated with the primary treatment, including the sludge pumps to the gravity thickener are likely in need of replacement or rehabilitation due to end of service life. In addition, the motor control centers (MCCs) that run all equipment for the primary treatment are also original to the plant build and are in need of replacement.

The gravity thickener is used to optimize the digester volume by thickening sludge before sending it to the digester complex. The thickener and mechanisms are in poor shape due to the nature of the caustic environment within the geodesic dome. There is a strobic fan that attempts to turn over the atmosphere within the dome, however, the significant volume of air proves to be challenging. Most of the drives and mechanisms are in need of assessment and/or replacement.

The intent of the request for proposals was to retain a professional firm that would provide further assessment of the condition of the current equipment and to provide insight and design for the rehabilitation, replacement, and possible improvements that could be made to the existing condition. The professional firm is to design a rehabilitation plan to the primary clarifiers and thickener based off the greatest needs and cost-effective approaches, prepare bidding documents,

assist in the bidding process, and provide construction engineering services. The scope of work is intended to take place in 2022, with construction possibly carrying over into 2023. The authority has budgeted \$334,500 for the design, bidding, and construction engineering phases of this project out of the CY 2022 budget fund 40-580180.

The Authority received four sets of qualifications and technical proposals in response to the RFP that was sent out, at which point staff performed an internal review, and narrowed it down to Trotter and Associates (TAI) being the most qualified. This selection was discussed with the TAC and all were in agreement with the selected firm.

After the firm was selected, the cost proposal was requested from TAI and costs were negotiated to an agreed scope and effort specifics. The proposal includes a time & materials/not to exceed cost of \$243,100 for phase I and II of this project, Preliminary Design and Design Engineering services. This will leave \$91,400 for the Phase III, Construction Engineering services, later in CY2022, which is anticipated to be ample funds for these services.

Therefore, it is recommended that the EOC authorize the Authority to award Trotter and Associates, Inc. the Design Engineering Services pertaining to the 2022 Primary Clarifier and Thickener Rehabilitation Project in the amount not to exceed \$243,100. This amount will be taken out of the designated amount in the CY2022 Approved Budget, Fund 40-580180.

SECTION 7.0

REQUEST FOR AUTHORIZATION FOR A 5-YEAR LEASE OF ATMOSPHERIC VAPORIZERS AND LIQUID OXYGEN HAULING AGREEMENT

MEMORANDUM

TO: Executive Oversight Committee

FROM: Matt Streicher P.E., BCEE, Executive Director

DATE: February 10, 2022

RE: Request for Authorization for a 5 Year Lease of Atmospheric Vaporizers and Airgas Liquid Oxygen Hauling Agreement.



In 2017 the Authority underwent a transitional process of beginning to haul liquid oxygen via a 3rd party instead of the previous method of creating pure oxygen through an on-site cryogenic process. Prior to eventually converting to a biological nutrient removal facility in the future, an evaluation was performed on whether or not to continue maintaining the cryogenic plant and producing pure oxygen on site, or to haul it in from an outside provider. The transition to hauling from an outside provider allowed the Authority to start using less energy, while still operating the high purity oxygen system, all at a lower cost. The transition to liquid hauling also consumed less staff time due to the high demand the cryogenic plant had on maintenance and operations. The cryogenic plant equipment was nearly 40 years old, out of date, and would have eventually needed replacement at a very high cost. The high purity oxygen system is an effective treatment system; however, it is not efficient and cannot be modified to treat for upcoming regulations. Therefore, the system will be obsolete and not worth the cost of replacing. The delivery of liquid oxygen will enable us to continue using the high purity oxygen system until more is known about future requirements.

Another component involved with the switch over to liquid hauling was the replacement of the hot water baths used to vaporize the liquid oxygen previously created onsite. When the oxygen is held in the storage tanks it is held in liquid form, therefore, when it is transferred to the aeration tanks, it needs to be vaporized into a gaseous form first. The liquid oxygen was vaporized as it passed through the hot water bath, which was also over 40 years old, was not reliable, or energy efficient. The vaporizer consisted of a water bath that was heated by four 72kW electric heaters. Therefore, in 2017, the Authority also switched to using atmospheric vaporizers. These vaporizers operate similar to a radiator; in that the liquid oxygen passes through small veins in an outdoor/above ground structure and the ambient air temperature vaporizes the liquid oxygen into gaseous oxygen. The atmospheric vaporizers have a larger footprint than the hot water bath vaporizer, but they use no energy.

By switching to the delivery of liquid oxygen and the atmospheric vaporization process, it's estimated that the Authority saved over \$200,000 on electric and potable water costs over the course of the existing 5-year agreement, not including any overtime, maintenance, or other associated costs to keep the system running.

The existing 5-year contract for the supply of the liquid oxygen and leasing of the atmospheric vaporizers expires in April 2022; therefore, a request for bids for a new contract was publicly advertised in late 2021. The bid package is enclosed with this memo; essentially the Authority is requesting pricing for the delivery of bulk liquid oxygen, and leasing of atmospheric vaporizers (including maintenance) for a 3-year period, with an automatic renewal for years 4 and 5 providing satisfactory performance. Although this will be paid on a per unit basis, bids were calculated using an estimated usage of oxygen, along with the 60-month term for the vaporizer leasing. Below is a summary of the bids received:

Supplier	Liquid Oxygen Delivery Five-Year Term (04/2022 – 03/2027) 575,000,000 SCF – see breakdown below	Vaporizer Lease Five Year Term (04/2022 - 03/2027) 60 Months	Total
Airgas	\$2,382,915.00	\$90,000.00	\$2,472,915.00

	Price per 100 cubic feet (including sellers right to revise product pricing up to 5%/year)
Year 1	\$0.3750
Year 2	\$0.3938
Year 3	\$0.4134
Year 4	\$0.4341
Year 5	\$0.4558

The pricing for year 1 (anticipated contract start date in April 2022) realizes approximately 33% increase over the current year's pricing of \$0.282/100 SCF. However, based on the restructuring of the new contract from the old contract, the contractor will no longer be able to assess variable delivery and fuel surcharges, which are not included in the existing price. Therefore, it's assumed the contract has incorporated those costs into their pricing, hence the greater increase.

If approved, the liquid oxygen hauling contract and dual safety system contract shall be invoiced to Fund 270-530443, which has \$325,000 budgeted for CY2022. If the leasing of the atmospheric vaporizers is approved, that contract shall be invoiced to Fund 40 Capital Plan, which has \$20,000 budgeted for CY2022. Both numbers have been taken into account for future budgets as well.

It is recommended that the EOC authorize the Authority to enter into a five-year agreement with Airgas, with the option to cancel after the third year, for the purchase of bulk liquid oxygen at a rate not to exceed \$0.3750/100 SCF for year one, \$0.3938 for year two, \$0.4134 for year three, \$0.4341 for year four, and \$0.4558 for year five, as well as the leasing of the atmospheric vaporizers at a rate of \$1,500 per month for the duration of the five-year contract.

INVITATION TO BID
GLENBARD WASTEWATER AUTHORITY



LIQUID OXYGEN SUPPLY AND ATMOSPHERIC VAPORIZER
LEASING

BID OPENING:
TUESDAY, FEBRUARY 1, 2022, 9:00 AM



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SECTION B	REQUIREMENTS AND INSTRUCTIONS TO BIDDERS
SECTION C	SPECIFICATIONS FOR LIQUID OXYGEN SUPPLY
SECTION D	BID PROPOSAL FORM
SECTION E	CERTIFICATES AND ACKNOWLEDGEMENTS
SECTION F	AGREEMENT



SECTION A: INVITATION TO BID

1. Time and Place of Bid Opening

Sealed bids for **Liquid Oxygen Supply and Atmospheric Vaporizer Leasing** for the Glenbard Wastewater Authority, DuPage County, Illinois, will be received by the *Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, Illinois 60137, until 9:00 AM on Tuesday, February 1, 2022.*

After that time has expired, the bids will be publicly opened and read. All bids shall be submitted in an opaque, sealed envelope clearly labeled to identify the bidder and project, and marked **“SEALED BID – Glenbard Wastewater Authority – Liquid Oxygen Supply and Atmospheric Vaporizer Leasing”**.

2. Description of Services

In general, the Sale and Delivery of liquid oxygen for daily use at the Glenbard Wastewater Authority Bemis Road facility is required for sustained operation of a High Purity Oxygen Activated Sludge Wastewater Treatment Facility. In addition, the Authority is seeking to lease Atmospheric Vaporizers to be housed on-site and maintained by the bidder. Services are to be provided as specified in Section C of this request for proposal.

The initial term shall be three years from the date the contract is executed, thereafter, the agreement shall automatically renew for no more than two successive one-year renewal terms unless terminated at the end of the initial term or any renewal term. It is anticipated that the service period will be for three years beginning in April 2022 to March, 2025. With satisfactory performance, the contract will be automatically be renewed for the additional two one-year terms, extending it to March 2027.

3. Instructions to Bidders

Bid documents may be obtained and/or examined by downloading them from the Glenbard Wastewater Authority’s website at <https://www.gbwww.org/about-us/public-notice-and-review-documents/>. Questions can be directed to Matt Streicher at the offices of the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, Illinois 60137. Phone: (630) 790-1901 x 126 Monday through Friday, 7:00 AM to 3:30 PM.

Pre-bid site inspections may be scheduled by contacting Matt Streicher as listed above.

4. Rejection of Bids

The Glenbard Wastewater Authority Executive Oversight Committee reserves the right to reject any and all proposals, and to waive technicalities, irregularities, and/or informalities. All costs and prices quoted are firm and irrevocable for a period of **one hundred and twenty (120) days** after the actual date of Bid opening. At that time each Bid received is an irrevocable offer, which upon acceptance by Glenbard Wastewater Authority forms a binding contract. Unless the Bid is rejected in the exercise of discretion by the Executive Oversight Committee, award of contract shall be to the lowest responsible and qualified bidder, in a manner consistent with law.



SECTION B: REQUIREMENTS AND INSTRUCTIONS TO BIDDERS

The successful Bidder shall furnish specified services to the Glenbard Wastewater Authority at the Bemis Road Facility three years from the date the contract is executed, thereafter, the agreement shall automatically renew for no more than two successive one-year renewal terms unless terminated at the end of the initial term or any renewal term. It is anticipated that the service period will be for three years beginning in April 2022 to March, 2025. With satisfactory performance, the contract will be automatically renewed for the additional two one-year terms, extending it to March 2027.

1. All Bidders shall inform themselves of all conditions under which the work is to be performed, and all other relevant matters that may affect the quantity of the work, labor, equipment, and materials required to provide the services needed therein. The Bidder shall make his/her own determination as to conditions he/she may encounter or create, without additional cost to the Owner. The Bidder further agrees that upon execution of the Agreement, he/she shall make no claims against the Glenbard Wastewater Authority for any estimate or statement made by any agent or officer of the Authority, which may prove to be erroneous in any respect.
2. The Owner estimates that approximately 13 tons of oxygen will be used on a daily basis. ***The Owner does not guarantee any minimum or maximum quantity of Liquid Oxygen Supply required annually.*** The Owner has three storage tanks, (1) 13,000-gallon tank, (1) 9,000-gallon tank, and (1) 6,000-gallon tank.
3. All bids and contract forms shall be prepared and signed by person(s) authorized by the bidder, and submitted on the forms attached hereto, and without removal from this bound packet. All bids shall be typed or legibly written in ink. Each bid shall include such pertinent data illustrating the Bidder's capability to meet the services specified. Further, all bids must be accompanied by a fully executed Non-Collusion Certificate and Equal Employment Opportunity Acknowledgement as provided herein.
4. All bids must include a bid security in the form of a cashier's check or Bid bond in the amount of One Thousand Dollars (\$1,000.00). Checks will be made payable to Glenbard Wastewater Authority. Checks submitted will be returned within ten (10) working days of bid opening for all but the apparent lowest bidder. After award has been made, only the check of the successful bidder will be retained.
5. Basis of Award – Proposals will be canvassed on the basis of "Total Estimated Cost for Contract Period". Award will be based on the lowest, responsive, responsible bid. Recommendation for this contract approval is currently scheduled for the February 10, 2022 Executive Oversight Committee meeting. The lowest, responsive, responsible bidder will be expected to commence service to the Authority on April 1, 2022.
6. Unit-Price Bids:
 - A. For Contracts containing unit price bid items, the quantities listed in the "Proposal" forms, although stated with as much accuracy as possible in advance, are estimates only and are presented **SOLELY** for the purpose of comparing bids. The quantities in which payments



Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, IL 60137

Telephone: 630-790-1901

will be made to the Contractor are to be determined by measurements of the work actually performed by the Contractor as specified. Bidders must determine for themselves the quantities of work that will be required and the conditions under which the work will be performed, by such means as they may prefer, and shall assume all risks as to any variations in the approximate quantities noted.

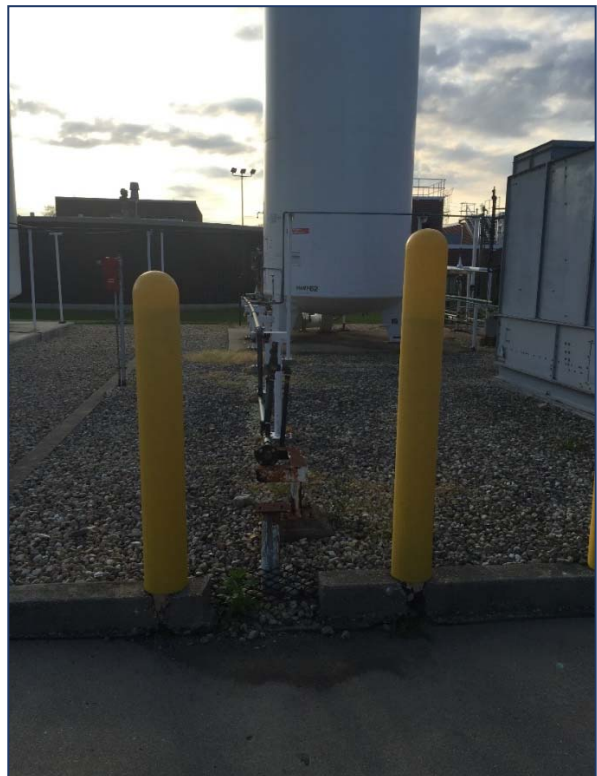
- B. At any time after the submission of a proposal, Bidders should not dispute the approximate quantities or assert that there was any misunderstanding as to the amount of work required to be done, and shall not make any claim for damages, or for loss of profits or for an extension of time because of a difference between the approximate quantities of the various unit price bid items, and the actual quantities of work performed.
- C. The unit price presented shall be inclusive of any and all additional charges including, but not limited to; delivery fees, mileage fees, gas fees, and any price increases in material or consumables.

7. Pictures of the Glenbard Wastewater Authority Facility:





Glenbard Wastewater Authority
945 Bemis Road Glen Ellyn, IL 60137
Telephone: 630-790-1901





SECTION C: SPECIFICATIONS FOR LIQUID OXYGEN SUPPLY

Work to be performed under this Contract is Liquid Oxygen Supply at the Glenbard Wastewater Authority Bemis Road facility.

1. **General** – The Owner’s facility is a publicly owned Wastewater Treatment Plant operated jointly by the Village of Glen Ellyn, and Village of Lombard, Illinois. The Facility is located at:

Glenbard Wastewater Authority
945 Bemis Road
Glen Ellyn, Illinois 60137

The Treatment Facility shall be provided Liquid Oxygen Supply and Atmospheric Vaporizers as described in the attached specifications.

2. **Intent** – It is the intent of this Contract to secure the services of a Contractor experienced in the production and delivery of liquid oxygen, and the owning/maintaining of Atmospheric Vaporizers for the purposes of vaporizing the liquid oxygen.
3. **Tax Exemption** – Glenbard Wastewater Authority is a governmental agency, and is exempt from federal, state, and local taxes on sale or delivery of equipment/services sold directly to the Authority. Appropriate exemption certificates will be furnished upon bid award.
4. **Definitions** – Wherever the following terms appear in the Contract documents, they shall be interpreted as follows:
 - A. **“Contractor”** – The successful Bidder who is awarded and executes a contract with the Owner.
 - B. **“Change Order”** – A written order authorizing additional, deletion, or revision in the work and/or the time of completion of the executed Contract.
 - C. **“Glenbard Wastewater Authority”** – The Glenbard Wastewater Authority, its Executive Oversight Committee, or any employee or agent of the Glenbard Wastewater Authority designated or authorized by the aforementioned, to act on behalf of the Glenbard Wastewater Authority in decision making, inspection, and administration of this Contract.
 - D. **“Authority”** – Glenbard Wastewater Authority.
 - E. **“Owner”** – As used in this agreement, the term Owner shall mean Glenbard Wastewater Authority.
 - F. **“Site/Facility”** – The location where the work under this Contract is to be performed, or to which deliveries are to be made.
 - G. **“Work”, or “The Work”** – The services required by the Contract Documents, and includes all materials, labor, tools, equipment, appliances, appurtenances, supervision, and other services necessary for the Contractor to perform and complete everything specified or implied in the Contract Documents.
 - H. **“Written Order”** – A written order signed by the Owner delivered by messenger to the Contractor, or mailed to the Contractor at the address designated in his proposal, or to such address as he/she may designate in writing as his/her official place of business.



5. **Service Requirements** – All services and workmanship shall in every respect be in accordance with the best industry standards, and all material supplied shall be of the highest quality.
6. **Basic Services** – Contractor shall supply liquid oxygen and lease/maintain atmospheric vaporizers for the Owner's biological sewage treatment system. Supply of liquid oxygen shall be as follows:
 - A. Contractor's representative will unload the liquid oxygen from Contractor's truck to the Owner's liquid oxygen storage tank in a safe and efficient manner without help or assistance from the Owner's employees. The Contractor's representative will operate all valves associated with unloading the liquid oxygen from the Contractor's truck to the Owner's liquid oxygen storage tank. This includes the valves associated with the Owner's liquid oxygen storage tank.
 - B. Contractor's truck will have a working meter to determine the amount of liquid oxygen delivered to the Owner's liquid oxygen storage tank. Contractor's representative will provide the Owner with the meter readings before and after the delivery of all liquid oxygen.
 - C. Contractor will furnish liquid oxygen meeting the specifications as described in "Material Specifications". Contractor will provide liquid oxygen to the Owner on an as needed basis, and will be responsible for monitoring the levels of storage at the Site, in order to determine how frequently deliveries are needed. Contractor will provide liquid oxygen at a frequency to ensure that the Owner will not run out of liquid oxygen at any time.
 - D. Contractor will own, operate, and maintain Atmospheric Vaporizers used to vaporize the liquid oxygen prior to being injected into the Authority's treatment process. The Authority will effectively lease this service from the Contractor. The contractor will be responsible for installation, inspection, maintenance, and removal of the atmospheric vaporizers. The lease fee shall be all inclusive of these services.
7. **Material Specifications** - The material specified in this Proposal shall be delivered cryogenic liquid oxygen of at least a minimum 98.0 percent pure oxygen, with the total hydrocarbon content of the liquid oxygen being seventy-five (75) parts per million (ppm) or less.
8. **Owner's Responsibilities**
 - A. The Owner will provide a cleared access road for the Contractor's truck to reach the oxygen fill line.
 - B. Deliveries will be limited to 7am – 9pm CST Monday – Saturday, and 8am - 7pm CST Sunday.
9. **Contractor's Duties**
 - A. The Contractor shall supervise and direct the work using his best skill and attention. He shall be solely responsible for all means, methods, techniques, sequences and procedures for coordinating all portions of the work under the Contract.
 - B. Contractor shall make deliveries within the time frames as specified in the Owner's Responsibilities.



- C. Unless otherwise specifically provided for in the Contract Documents, the Contractor shall provide and pay for all labor, materials, equipment, tools, machinery, transportation, and other facilities and services necessary for the proper execution and completion of the delivery of liquid oxygen.
 - D. Unless otherwise specifically provided for in the Contract Documents, the Contractor shall provide and for all labor, materials, equipment, tools, machinery, transportation, removal, and services necessary for the proper execution and completion of vaporization of the liquid oxygen with the use of the atmospheric vaporizers.
 - E. The Contractor shall at all times enforce strict discipline and good order among his employees and shall not employ for deliveries any unfit person or anyone not skilled in the task assigned to him.
 - F. Contractor shall give all notices and comply with all laws, ordinances, rules, regulations, and lawful orders of any public authority bearing on performance of the work, and shall promptly notify the Owner if the specifications are at variance therewith.
 - G. Contractor shall be responsible to the Owner for the acts and omissions of his employees, subcontractors, and their agents and employees, and other persons performing any of the work under contract with the Contractor.
 - H. Contractor shall pay all royalties and license fees.
 - I. Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors. Coverage shall be at least as broad as:
 - i. Insurance Services Office Commercial General Liability occurrence form CG 0001 (Ed. 11/85)/and/or Owners and Contractors Protective Liability policy with the Owner stated as named insured; and
 - ii. Insurance Services Office form number CA 0001 (Ed.1/87) covering Automobile Liability, code 1 "any auto" and endorsement CA 0019 (Ed. 12/88) changes in Business Auto and Truckers coverage forms - Insured Contract; and
 - iii. Workers' Compensation as required by the Labor Code of the State of Illinois and Employers' Liability Insurance.
10. **Insurance** - Contractor shall maintain throughout the term of this Agreement, insurance with minimum limits and coverage as shown below:
- A. Commercial General Liability and Property Damage Insurance: This insurance shall protect the Contractor from claims of bodily injury and property damage, which may arise because of the nature of the work from operations under this Agreement in the amount of One Million Dollars (\$1,000,000.00) for bodily injury each occurrence, One Million Dollars (\$1,000,000.00) for property damage each occurrence and Two Million Dollars (\$2,000,000.00) aggregate period.
 - B. Comprehensive Automobile Liability Insurance: This insurance shall cover owned, hired and other non-owned automobiles and shall protect the Contractor from claims for bodily injury or property damage which may arise from the use of motor vehicles engaged in



various operation under this Agreement. The automobile insurance shall provide for a minimum combined single limit of One Million Dollars (\$1,000,000.00).

- C. Excess Liability Insurance: At the Contractor's option, primary limits may be less than required above with an excess liability (umbrella) policy providing the additional limits needed. This form of insurance will be acceptable provided it, combined with primary policies, provides the insurance coverage herein required and that the excess liability minimum amounts equal or exceed Two Million Dollars (\$2,000,000.00) per occurrence and Five Million Dollars (\$5,000,000.00) in the aggregate.
- D. Other Insurance Provisions: The policies are to contain, or be endorsed to contain, the following provisions:
 - i. General Liability and Automobile Liability Coverage: The Owner, its officials, employees and agents are to be covered as insured as respects: liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, leased or used by the Contractor; or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Owner, its officials, employees or agents.
 - ii. The Contractor's insurance coverage shall be primary as respects the Owner, its officials, employees and agents. Any insurance or self-insurance maintained by the Owner, its officials, employees or agents shall be excess of Contractor's insurance and shall not contribute with it.
 - iii. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Owner, its officials, employees, or agents.
 - iv. Coverage shall state that Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- E. Worker's Compensation and Employers' Liability Coverage: The insurer shall agree to waive all rights of subrogation against the Owner, its officials, employees or agents for losses arising from work performed by Contractor for the Owner.
- F. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the Owner.
- G. Insurance is to be placed with insurers with a Best's rating of no less than B+.
- H. Contractor shall furnish the Owner with certificates of insurance naming the Glenbard Wastewater Authority, the Village of Glen Ellyn and the Village of Lombard as additional insured on a non-contributory basis, and with original endorsements affecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The Owner reserves the right to request full-certified copies of the insurance policies.



- I. Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all of the requirements stated herein.
 - J. To the fullest extent permitted by law the Contractor shall indemnify and hold harmless the Owner, its agents, and employees from and against all claims, damages, losses and expenses including but not limited to attorney's fees arising out of or resulting from the performance of the work, provided that at any such claim, damage, loss or expense, (1) attributable to bodily injury, sickness, disease or death, or to injury to, loss of or destruction of tangible property, including the product to be delivered pursuant to this Agreement, and including the loss of use resulting there from, and (2) is caused in whole or in part by any intentional, willful or negligent act or omission of the Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. Such obligations shall not be construed to negate, abridge, or otherwise reduce any other obligation of indemnity which otherwise would exist as to any party or person described in this paragraph. In any and all claims against the Owner or any other agents or employees by any employee of the Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under this paragraph shall not be limited in any way by any limitation on the amount or type of damage, compensation or benefits payable by or for the Contractor or any subcontractor under Worker's or Workmen's Compensation Acts, Disability Benefit Acts or other Employee Benefit Acts. Contractor expressly understands and agrees that any performance bond or Insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Owner, its officials, agents and employees as herein provided.
 - K. The laws of the State of Illinois shall govern this Agreement; venue shall be in DuPage County.
11. **Protection of Persons and Property** - The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with delivery of liquid oxygen. The Contractor shall take all reasonable precautions for the safety of, and shall provide all reasonable protection to prevent damage, injury or loss of (1) its employees and Owner's employees or other persons who may be affected thereby, (2) all of its materials and equipment incorporated therein and (3) other property at the site or adjacent thereto. The Contractor shall give all notices and comply with all applicable laws, ordinances, rules, regulations and orders of any public authority on the safety of the persons and property and their protection from damage, injury or loss. Contractor shall promptly remedy all damage or loss to any property caused in whole or in part by the Contractor, any subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable including any person indemnified herein. The foregoing obligations of the Contractor are an addition to his obligations under "Contractors Duties" above.



Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, IL 60137

Telephone: 630-790-1901

12. **Termination of Contract** - If the Contractor defaults or persistently fails or neglects to deliver liquid oxygen in accordance with the contract documents, fails or neglects to maintain the atmospheric vaporizers at the facility, or fails to perform any provision of the contract, the Owner, at any time without warning or prior notice, may terminate the Agreement.



SECTION D: BID PROPOSAL FORM

FORM MUST BE COMPLETED LEDGIBLY IN INK OR TYPED.

The following bid is submitted to the Executive Oversight Committee of the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, Illinois, 60137 in accordance with the specifications, and contract.

Product: Delivered Bulk Liquid Oxygen and Atmospheric Vaporizer Lease

Description	Estimated Usage*	Unit Price**	Units	Total
Liquid Oxygen Delivery Five Year Term (04/2022 – 03/2027)	575,000,000 SCF	\$	(100 SCF)	\$
Vaporizer Lease Five Year Term (04/2022 – 03/2027)	60 Months	\$	(month)	\$
TOTAL ESTIMATED COST FOR CONTRACT PERIOD				\$

** Although stated with as much accuracy as possible in advance, the usage is an estimate only and is presented **SOLELY** for the purpose of comparing bids. The quantities in which payments will be made to the Contractor are to be determined by measurements of the work actually performed by the Contractor as specified. Bidders must determine for themselves the quantities of work that will be required and the conditions under which the work will be performed, by such means as they may prefer, and shall assume all risks as to any variations in the approximate quantities noted. At any time after the submission of a proposal, Bidders shall not dispute or complain of the aforesaid list of approximate quantities or assert that there was any misunderstanding as to the amount or character of the work required to be done, and shall not make any claims for damages, or for loss of profits or for an extension of time because of a difference between the approximate quantities of the unit price bid items, and the actual quantities of liquid oxygen supplied.*

*** Unit price presented shall be inclusive of any and all additional charges including, but not limited to; delivery fees, mileage fees, gas fees, and any price increases in material or consumables. The unit price listed will be inserted as the contractual price.*

SECTION 8.0

DISCUSSION

SECTION 8.1

CAPITAL IMPROVEMENT PROJECTS UPDATE

CAPITAL IMPROVEMENTS PROJECT UPDATE



- MEDIUM VOLTAGE ELECTRICAL GRID REPLACEMENT
 - BIOSOLIDS DEWATERING IMPROVEMENT PROJECT (BDIP)
 - RAS HEADER REPLACEMENT
-

MEDIUM VOLTAGE ELECTRIC GRID

CHANGE ORDERS

- Without ComEd change, overall price reductions outweigh the price increases, and the allowance is still untouched

Transformer Connection Blew (see photo)

- WEG to investigate.
- Possibly need new transformer

Remaining

- 20% Connecting, testing, and turnover
- Estimated Completion March???
- Delay due to supply chain and coordination issues, connection fault.



BDIP



- First Rehab is done
- Change Orders are so far negative
- Delay due to manufacturer error and supply chain



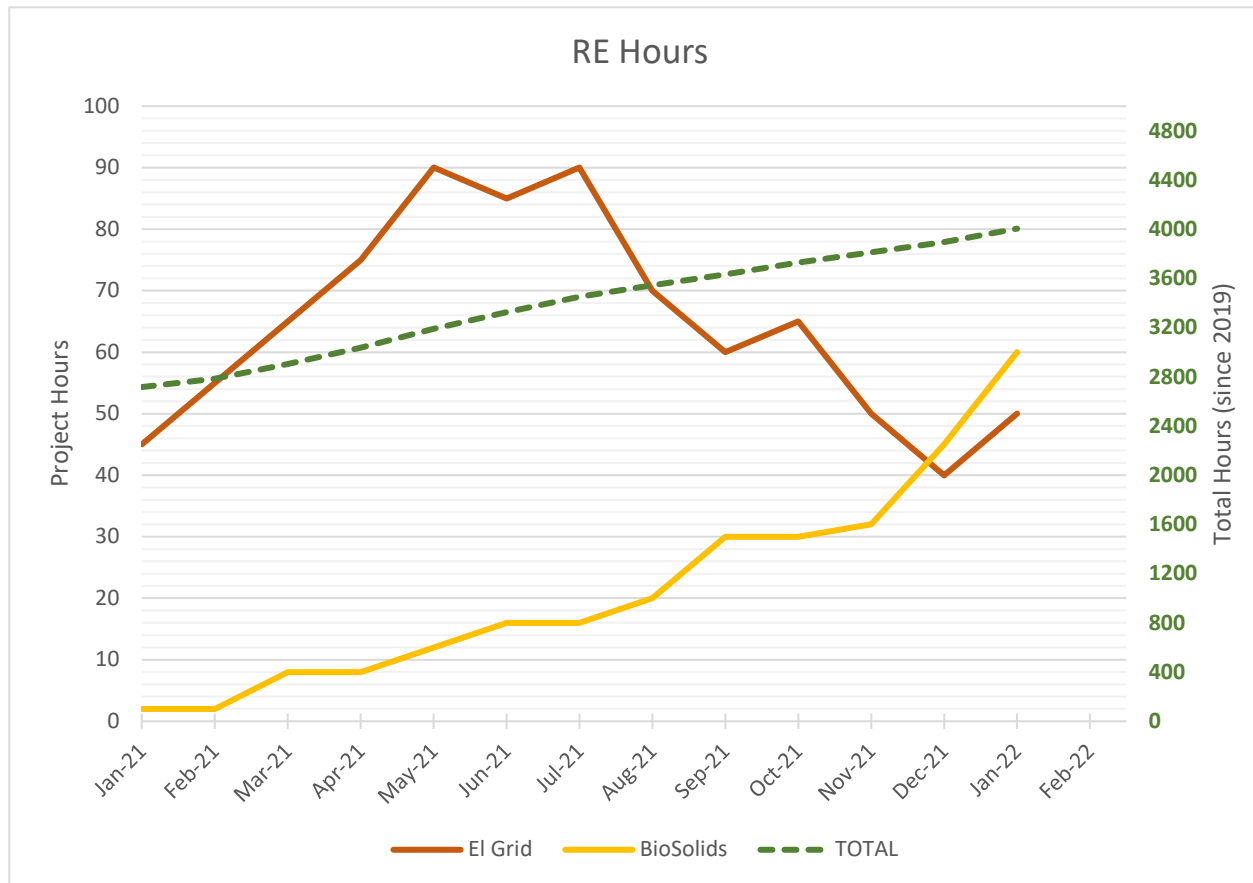
RAS HEADER REPLACEMENT



- Dahme Mechanical selected as contractor
- Construction early February



RE TRACKING



SECTION 9.0

OTHER BUSINESS

SECTION 9.1

TECHNICAL ADVISORY COMMITTEE UPDATES



Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137
Telephone: 630-790-1901 – Fax: 630-858-8119

GWA Technical Advisory Committee (TAC) Meeting Agenda January 25, 2022 2:00pm

Attendance: Carl Goldsmith, Dave Buckley, Matt Streicher, Tom Romza, Ashley Staat, Andy Pakosta

1. USEPA Inspection

Generally went well. The EPA was impressed with our record keeping and agreeable approach. There were a few areas that needed attention that are summarized below, however, the USEPA has not sent their official report yet. These comments were provided verbally as part of the close of their inspection, so a "heads up" is being given to the TAC

a. Lombard SUO revision needed

The USEPA audit was last week, which went pretty well. The major findings were legal language in the permits that needed to be more explicitly stated, specifically toxic organics, and Lombard's ordinance to remove hexavalent chromium for our legal limits. It is simply a table that needs to be revised for Lombard. There is also a pH greater/less than symbol that needs to be switched. Ashley will double check that Glen Ellyn does not need to update this. It also might be important for Glen Ellyn to update their ordinance with the hauled wastewater language from Lombard.

b. IGA's need renewal

The agreement between Glen Ellyn and DuPage County, Glen Ellyn and Illinois American, and Lombard and Flowerfield are all expired. The USEPA was questioning whether we have the legal authority to enforce our sewer use ordinance/pretreatment standards in the areas outside of the Villages that GWA serves. Specifically, if a large industrial user moves into the unincorporated areas, essentially, GWA would have no enforcement. Even at the moment, Ashley is unable to enforce grease trap regulation in those areas. All IGA's expire after 20 years and the County one was signed in 1990. The EPA may require that these get renewed once we get the formal report from them and that the ordinance states that these areas need to follow our sewer use ordinance.

2. Electrical Grid Construction Update

Upon switching over to new equipment this week, a setback was discovered due to the discovery of new equipment being "fried." A new transformer and medium voltage cable had become charred, so an evaluation is occurring on how to address this issue, as it happened at a pivot point in the project. Therefore, forward progress has come to a halt. Previously, substantial completion was to occur in February, now it is unknown.

3. Biosolids Dewatering Improvements Project (BDIP) Update

The belt filter press replacement has finally begun and is going good so far, they're slightly ahead of the schedule laid out for that particular equipment replacement, as they only have a 15 day window to perform it. When the first press is complete, it will operate for 2 weeks, and then they'll begin on the second press. Despite overall project delays due to supply chain and other issues, they are still on target to finish within the contractual completion date.

4. Succession Plans (on-hold)

No Update.

5. Hydraulic Modeling Update

Protecting the Environment for Tomorrow

We have finally received the final draft. GWA is reviewing the annual Inflow/Infiltration report in conjunction with the Hydraulic modeling report, and will send to each Village to read and organize a meeting with the consultant to discuss the findings. The hydraulic modeling report contains data that each Village can use to expand upon modeling in their sewer systems.

6. NPDES Permit Update

After two years of waiting for IEPA, we finally have our new permit. It is largely the same limits, but we have some new/tweaked special conditions. We will have quite a few new annual reporting that we may need help with learning the proper methods. GWA would intend to use Baxter and Woodman for assistance, due to their past relationship in our permit renewal and the DRSCW workgroup. In addition, GWA will have to put together a CMOM. Tom will get a proposal together and bring to a future TAC meeting to discuss a bit more.

- a. New Permit effective 2/1/22
- b. Special Condition Requirements
 - i. Proposal from B&W

7. Rt. 53 Improvements

In discussion with Christina Coyle, she agreed to move forward with obtaining a proposal directly from Trotter to do the IDOT correspondence, based on our previous relationship with them and the work they've already completed.

8. RFP's

- a. Primary Clarifier/Gravity Thickener Improvements

After a formal RFP process, GWA scored Trotter the highest, and now has requested a cost proposal from them. After negotiations, Tom will send the cost proposal to the TAC before the EOC meeting.
- b. Liquid Oxygen/Atmospheric Vaporizer RFP

GWA has publicly advertised this bid and is now waiting for the February 1 bid opening, after which time we will send the proposals to the TAC before going to the EOC.

9. February EOC agenda items see above items

- a. Primary Clarifier/Gravity Thickener Improvements
- b. Liquid Oxygen/Atmospheric Vaporizer
- c. Rewrite IGA???

Do we need to have EOC meetings? Every time we schedule one, a request is made to postpone it, or the question of actually needing to hold a meeting arises. GWA realizes that sometimes it does not seem efficient to hold a 15 minute meeting to approve a single item, however, often times it's unavoidable. A temporary solution is to scheduled them to be virtual with the executive order from Pritzker due to COVID. Otherwise, perhaps a simple revision to the IGA can allow for a proxy vote for the elected officials by the staff members that are present. Can business of the EOC be conducted via phone poll? Have that specifically written in the IGA.

10. Solar Energy

No update, but we did enter into a program to get GWA 50001 ready, which is a US Department of Energy recognition in regards to having a path to energy neutrality looking at energy efficiency methods, and getting there slow and steady.

11. Polymer price increase

Liquid polymer is used to coagulate our sludge and has increased in price with force majeure due to supply chain, transportation, and other issues. After discussion with Christina Coyle, because of the Force Majeur, we do not have to get new prices at this time, but our 3-year window for re-upping our price is up anyways in 2022. Also, after discussion, it was discovered that EOC approval is needed when you anticipate greater costs than \$25k in a year for a unit priced item. Competitive pricing will be obtained and brought to the EOC in late summer.

- a. 25% increase due to supply chain issues
- b. Market increase for this category of product = 36%
- c. Will go to EOC for approval this summer

~~12. Trotter IDOT Proposal repetitive item~~

13. Engineering Shortlist Update

Per the IGA and professional services policy, 2022 is a year where GWA will evaluate updating its engineering short list. The past two cycles it has not been updated because we were actively working with everyone on the shortlist and projects were ongoing. Does the TAC want to be part of the shortlist



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revision? Carl and Dave both feel that GWA has enough people to review it in-house, but are happy to help if GWA would like assistance. Dave – Make sure that we follow any written policies to select and create our shortlist. If there is no specific language, it would be best to follow Lombard's policy because our professional services policy is modelled after Lombard anyways.

14. UVT Study/Carollo Proposal

In 2019 GWA entered directly into a Phase 1 contract with Carollo engineering due to their more extensive background with UV systems than our other shortlisted firms, and that it was less than a \$5k study. Phase 1 yielded positive results, and therefore, GWA moved directly into Phase 2, which was also under \$5k. Phase 2 continued to yield positive results, however, Phase 3 has a little bit of a higher dollar amount, even higher than they estimated in 2019...\$24k vs. \$15k budgeted. GWA has been able to lower their proposal to \$21k by doing a lot of the testing in-house. Carl asked would our shortlist firms give us a lower cost, keeping in mind that they would be coming in cold? Carl also realized that GWA has an existing relationship, so Lombard wouldn't go back out to RFP. Dave – You would need the permission of Christina and Mark that we have justification to not get more bids. Carl – The EOC has recognized and adopted a professional services clause to forgo getting bids with existing relationships. Make sure that the EOC document is clear and send it to Mark for approval with the TAC's blessing. Dave agrees.

- a. \$24,570
- b. \$21,160 by performing hydraulic testing in-house
- c. \$15k budgeted

15. Old Business – *No Update*

- a. Exhibits and language for Village/GWA Connection points at
 - i. VGE – Chidester vs St. Charles Rd. Lift Station
 - ii. VOL – L22 vs Junction Chamber
 - iii. **CSO Regulators and lines between the regulators to the facility**
 - iv. Any others that can be added

16. Scheduled vs. unscheduled overtime.

Public Works has a policy that all overtime is unscheduled and therefore you can use vacation and still earn overtime pay. Lombard has a similar policy. Dave – I think its important that GWA has some kind of written determination between unscheduled and scheduled overtime, as it's the Village's formal policy to not allow the use of vacation time within the same work week (Fri-Thurs/40 hours) when scheduled overtime is earned. Instead, employees have to use comp time in those circumstances.

SECTION 10.0

NEXT EOC MEETING

THURSDAY,

MARCH 10th

AT 8:00 A.M.