

**\$GLENBARD WASTEWATER AUTHORITY  
Executive Oversight Committee  
Agenda**

**March 12, 2020**

**8:00 a.m.**

**Meeting will be held in the Community Room  
Village Hall  
Village of Lombard  
255 E. Wilson Avenue  
Lombard, IL**

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
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 and February 2020 \$1,452,802.22 (Trustee Christiansen).*

- 5.1 Executive Oversight Committee Meeting Minutes:  
January 9, 2020 EOC Meeting
- 5.2 Vouchers Previously Reviewed by:  
January and February 2020 – Trustee Christiansen
- 5.3 Vehicle Purchase Approval

The Authority's Electronics Technician responsibilities require that position to have its own vehicle due to the nature of tools, parts, and other items needed while traveling within the confines of the main plant, as well as all the Authority's remote facilities. Currently, the Technician uses Unit Number 627, a 2005 Ford Utilimaster Low Cube, which was originally designated to be replaced in 2017. Upon inspection in 2017, the Village of Glen Ellyn's Fleet Services Director deemed the unit to be in good enough condition to continue to use it for up to 2 years, so the purchase of a replacement vehicle was deferred. Near the end of 2019, the Authority had the Village's Fleet Services Director reevaluated the condition of the vehicle, and in order to obtain any salvage value, all agreed now is the appropriate time for replacement. Therefore, as seen in the enclosed memo,

the Authority began obtaining pricing from various joint purchasing authority's that it is eligible through being a municipal entity.

The Authority requests approval to purchase a 2020 Ford F-350 XL 4x2 Chassis Cab from Currie Motors Fleet in the amount of \$29,093, and an enclosed utility body with installation from Regional Truck Equipment in the amount of \$16,375, both to be invoiced to Capital Account 40-570155 Rolling Stock. Along with the request for the new vehicle and associated equipment, the Authority also recommends and requests that the EOC declare the existing Unit Number 627, a 2005 For Utilimaster Low Cube and associated equipment as a surplus, allowing the Authority to put the vehicle up for auction.

6. Request for Approval for the 2020 Electrical Service, Backup, and Redundancy and Site Lighting Project Construction Services

Previous studies have identified the Authority's existing electrical power distribution system to be lacking several redundancy factors, the ability to properly maintain and monitor the system, and other deficiencies related to plant processes. Also, the existing system is nearing 40 years old, beyond its useful life, and evidence of its age is noticeable. The Authority has experienced four major electrical outages in the past 36 months, which points to a clear need for system rehabilitation and replacements. During design of this project, another issue arose, in which it was realized electrical conduits that are ran through the concrete UNOX deck are deteriorating and unable to be reused if wires fail. Therefore, since it's closely related in nature and to attempt to take advantage of an economy of scale, design of a new conduit system was included as an alternate in this bid. After approximately two years of design, the bid opening for this project was held on February 28, 2020. The bid tab results are as follows:

Name	Base Bid	UNOX Raceway Option 1	UNOX Raceway Option 2	UNOX Raceway Option 3	Range
Broadway Electric	\$4,633,000	\$125,000	\$175,000	\$150,000	\$4,633,000 - \$4,798,000
Meade Electric	\$5,220,900	\$141,800	\$138,600	\$257,900	\$5,220,900 - \$5,477,900

After checking references and receiving all the proper documentation, it is recommended the EOC award Broadway Electric 2020 Electrical Service, Backup, and Redundancy and Site Lighting Project Construction in the amount \$4,758,000 (base bid plus alternative 1). This amount will be taken out of the designated amount in Fund 40 Capital, which has a budget number of \$2.5M for this project, however the engineers estimate prior to the bid opening was up to \$3.5M.

7. Request for Approval for Amendment #2 to the Strand Contract for the Electrical Service, Backup, and Redundancy and Site Lighting Project Construction Engineering Services.

In November 2017 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 Electrical Service, Backup, and Redundancy and Site Lighting Project. The Authority received four sets of qualifications and technical proposals in response to the RFQ/RFP that was sent out, at which point staff performed an initial review, and narrowed it down to two firms to invite for formal interviews. A member of the TAC, as well as Authority staff, participated in the interviews. After a process of evaluation and elimination, staff selected and the EOC awarded Strand Associates to perform the design work.

Due to the complexity of the project and the detailed design required, in addition to mostly satisfactory services provided by Strand and that this is a professional service, competitive bidding is not being performed for construction engineering services. After negotiations based on requested services provided, it was determined that Authority staff can provide partial construction engineering services for some Administrative items, as well as day to day observation. Due to the civil and electrical expertise of GWA staff, GWA staff will be available to observe construction activities so that Strand's observation visits can be minimized. GWA staff would check in with the contractor on days when the contractor is on site, observe activities and progress, and keep Strand informed so that Strand's visits can be less frequent. Therefore, after negotiations were complete, Strand submitted a proposal to amend their contract to add \$133,100 for the construction engineering services, which is just under 3% of the construction costs. This includes site visits prior to all foundation and duct bank concrete pours, visits for all outages, and visit for punch list development and a final site visit after contractor says all punch list items are completed. Based on this scope, it is assumed up to 32 visits will be required. If the Authority did not have the ability to perform a portion of this work in-house, Strand would have generally required as many as 80 site visits for observation, and it would have increased the fee by roughly \$72,400.

Therefore, it is recommended the EOC authorize the Authority to approve Amendment #2 to the Contract with Strand for the purposes of Construction Engineering Services for the 2020 Electrical Service, Backup, and Redundancy and Site Lighting Project Construction in the amount \$133,100. This amount will be taken out of the designated amount in Fund 40 Capital, which has a budget number of \$250,000 for this project.

8. High Strength Waste Standard Operating Procedure

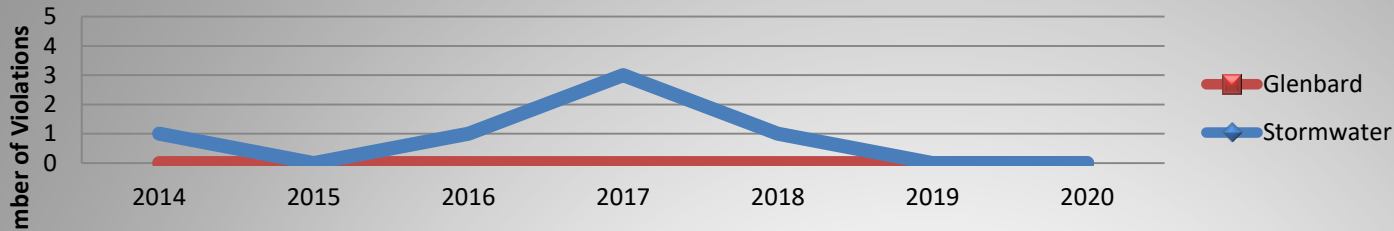
At the January 2020 EOC meeting the modification of the existing High Strength Waste (HSW) Receiving Standard Operating Procedures (SOP) was discussed and it was explained how the Authority was able to safely receive greater amounts of HSW than it currently allows. Enclosed with this agenda item is further documentation justifying this request.

Prior to seeking actual approval from the EOC for the proposed modifications, the Authority required having a 45-day posting period for public comment. This period was initiated after the January 2020 EOC meeting. The feedback received, along with the return correspondence, is attached to this memo. Although there is no clear approval, in the Authority's opinion, the feedback received does not merit cause to not move forward with the modifications.

Therefore, the Authority respectfully requests the EOC approve the modifications to the HSW SOP's allowing the Authority to receive 25,000 gallons of HSW on a daily basis (M-F, 7am-4pm, no holidays).

9. Discussion
  - 9.1 Capital Improvement Projects Update
  - 9.2 USP Technologies Pilot
10. Other Business
  - 10.1 Technical Advisory Committee Updates
  - 10.2 Pending Agenda Items
11. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, April 9, 2020 at 8:00 a.m. in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137.***

## NPDES Permit Violations



### Glenbard Plant: \*Current Record

2581 Days February 4, 2013 through February 29, 2020

Previous excursion free operating record:

1058 Days September 8, 2007 – April 10, 2010

### Stormwater Facility:

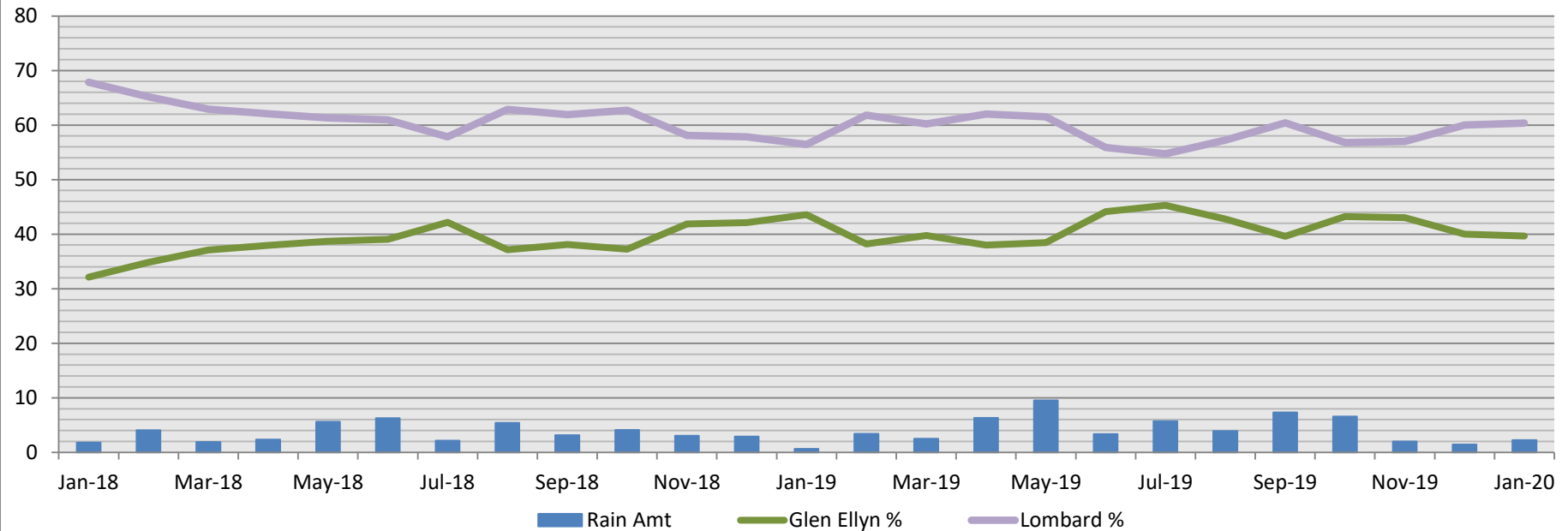
685 Days April 15, 2018 through February 29, 2020

Current excursion free operating record:

1140 Days July 11, 2009 through August 27, 2012



## Flow Billing Comparison



	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
Glen Ellyn %	32.1375	34.8096	37.099	37.9253	38.7104	39.0417	42.1798	37.1218	38.0773	37.2679	41.8807	42.139	43.5669	38.1926	39.7689	37.9926	38.464	44.1141	45.2611	42.76693	39.6144	43.22	43.01282	40.0011	39.6412
Lombard %	67.8625	65.1904	62.901	62.0747	61.2896	60.9583	57.8202	62.8782	61.9227	62.7321	58.1193	57.861	56.4331	61.8074	60.2311	62.0074	61.535	55.8859	54.7389	57.23307	60.3856	56.7761	56.98718	59.9989	60.3588
Rain Amt	1.82	4.07	1.915	2.35	5.6	6.265	2.135	5.415	3.16	4.09	3.04	2.915	0.66	3.385	2.48	6.33	9.545	3.355	5.74	3.905	7.345	6.59	2.01	1.45	2.24



## Billion Gallons Treated Per Year as of January 31, 2020



■ Billion Gallons Treated Per Year  
as of January 31, 2020

## Total Rainfall in Inches as of January 31, 2020

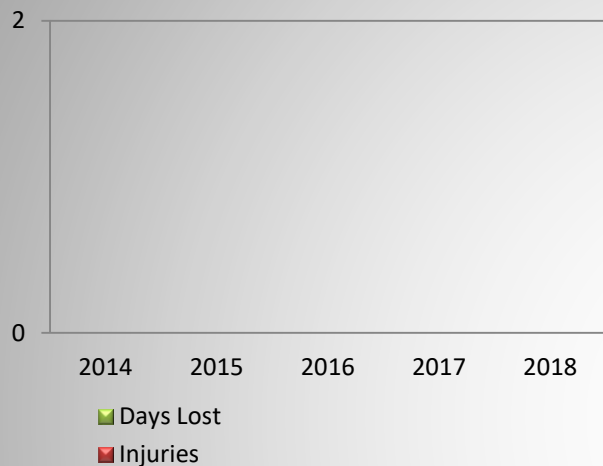


■ Total Rainfall in Inches as of  
January 31, 2020

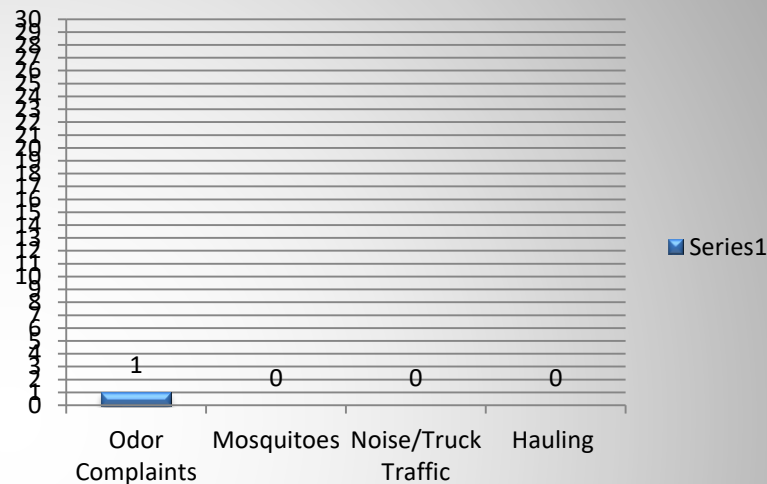


# The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts

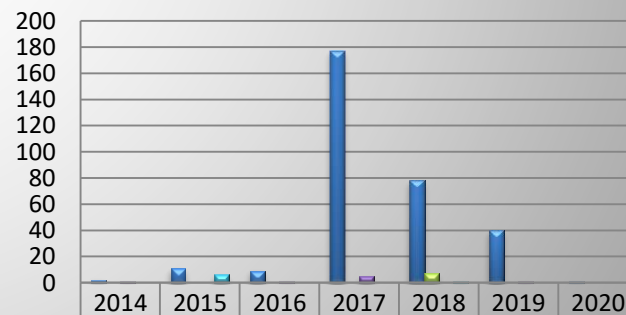
## Injuries + Lost Time



## January 2020 Complaints



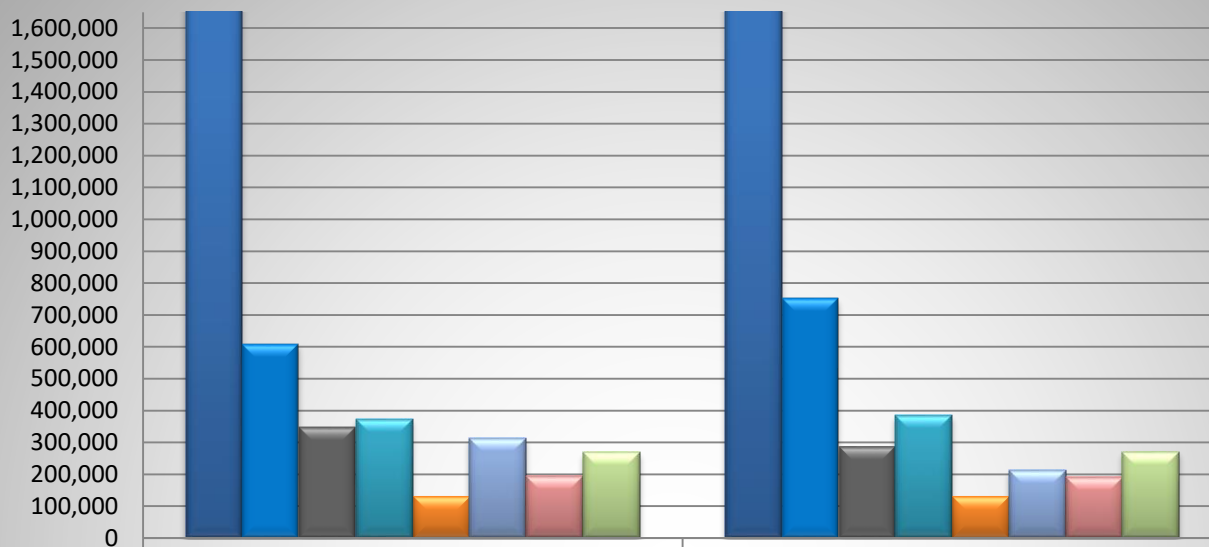
## Annual Complaint Comparison



	2014	2015	2016	2017	2018	2019	2020
Odor Complaints	2	11	9	177	78	40	1
Noise/Truck Traffic	0	0	0	0	7		
Hauling	1	0	1	5	0	1	
Mosquitoes	0	6	0	0	1		



# December 2019 O&M Expense \$ Reporting



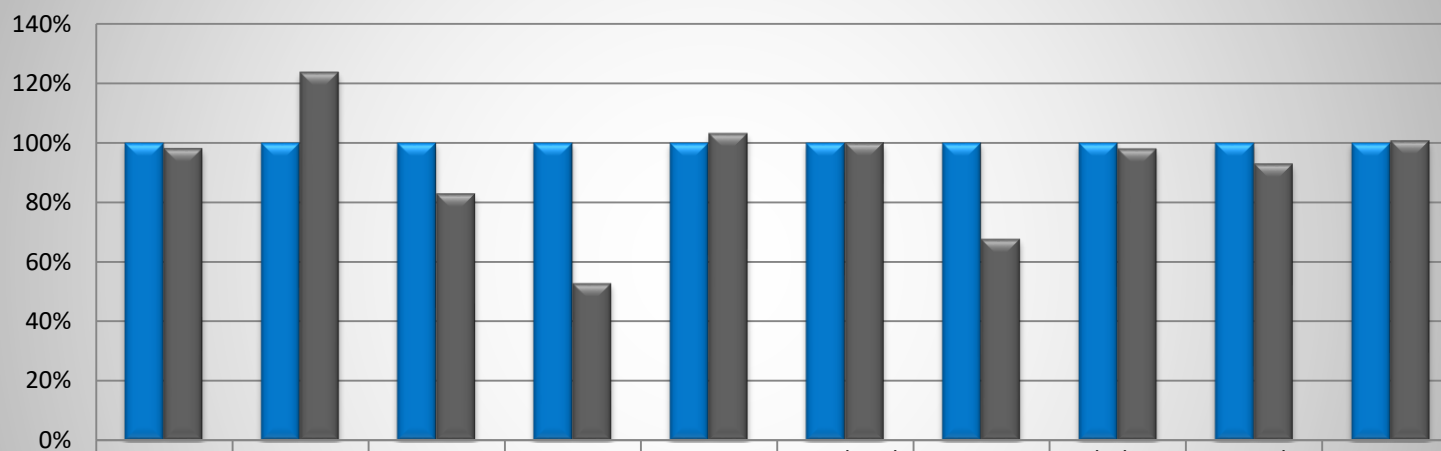
	CY2019 Budget	Spent Year to Date
Personnel	\$1,725,690	\$1,692,670
Utilities	\$607,800	\$751,439
Contract Services	\$345,950	\$286,635
Insurance	\$373,100	\$384,730
Overhead Fees	\$131,725	\$131,726
Maintenance	\$313,575	\$211,861
Sludge Removal	\$195,000	\$190,988
Other	\$268,100	\$269,711

	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
<b>CY2019 Budget</b>	\$1,725,690	\$607,800	\$345,950	\$140,000	\$373,100	\$131,725	\$313,575	\$195,000	\$345,000	\$268,100
<b>Spent Year to Date</b>	\$1,692,670	\$751,439	\$286,635	\$73,867	\$384,730	\$131,726	\$211,861	\$190,988	\$320,384	\$269,711
<b>% of CY2018</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>% Spent</b>	98.09%	123.63%	82.85%	52.76%	103.12%	100.00%	67.56%	97.94%	92.86%	100.60%



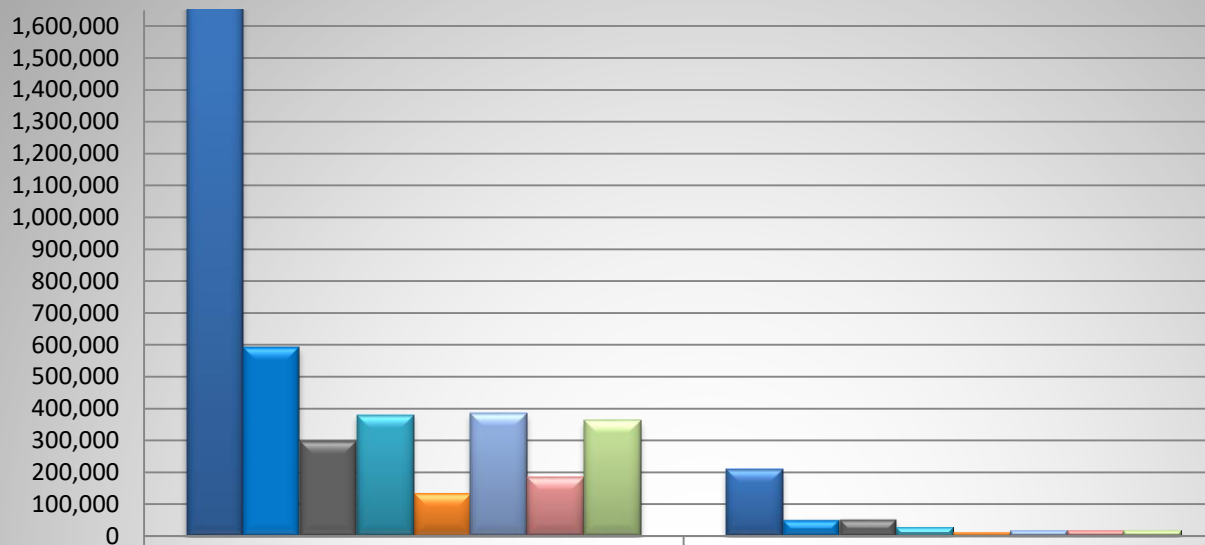


## December 2019 O&M Expense % Reporting



	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
■ % of CY2018	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
■ % Spent	98.09%	123.63%	82.85%	52.76%	103.12%	100.00%	67.56%	97.94%	92.86%	100.60%

# January 2020 O&M Expense \$ Reporting

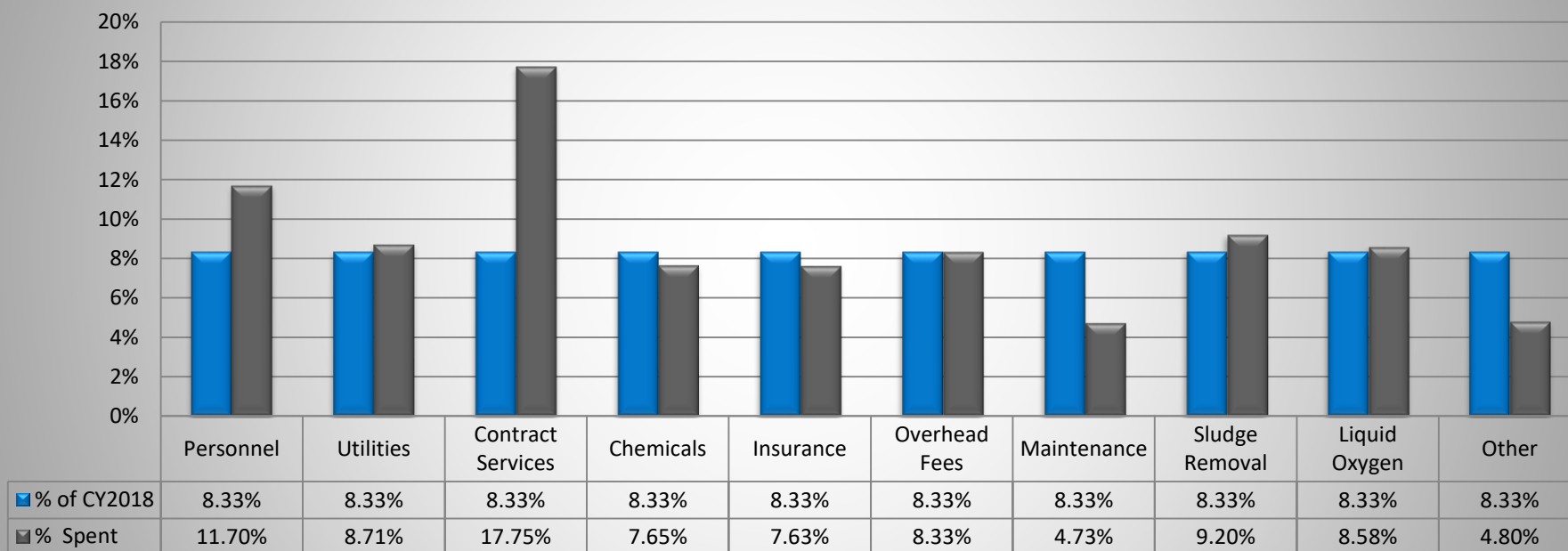


	CY2019 Budget	Spent Year to Date
Personnel	\$1,797,543	\$210,352
Utilities	\$591,200	\$51,501
Contract Services	\$295,744	\$52,480
Insurance	\$380,300	\$29,009
Overhead Fees	\$134,229	\$11,186
Maintenance	\$385,888	\$18,234
Sludge Removal	\$185,000	\$17,024
Other	\$362,190	\$17,376

	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
<b>CY2019 Budget</b>	\$1,797,543	\$591,200	\$295,744	\$140,000	\$380,300	\$134,229	\$385,888	\$185,000	\$330,000	\$362,190
<b>Spent Year to Date</b>	\$210,352	\$51,501	\$52,480	\$10,708	\$29,009	\$11,186	\$18,234	\$17,024	\$28,323	\$17,376
<b>% of CY2018</b>	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
<b>% Spent</b>	11.70%	8.71%	17.75%	7.65%	7.63%	8.33%	4.73%	9.20%	8.58%	4.80%

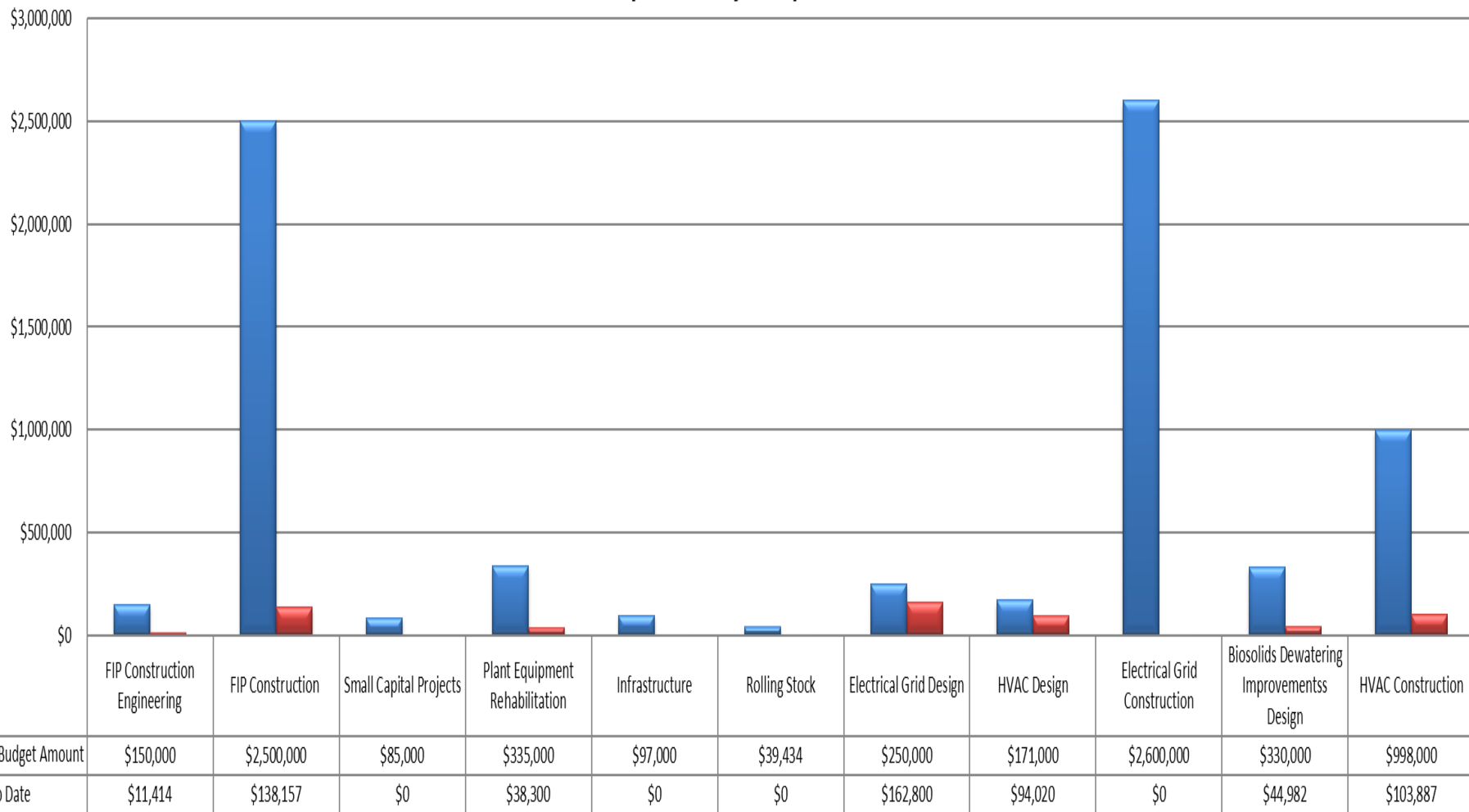


## January 2020 O&M Expense % Reporting





## February 2020 Project Updates



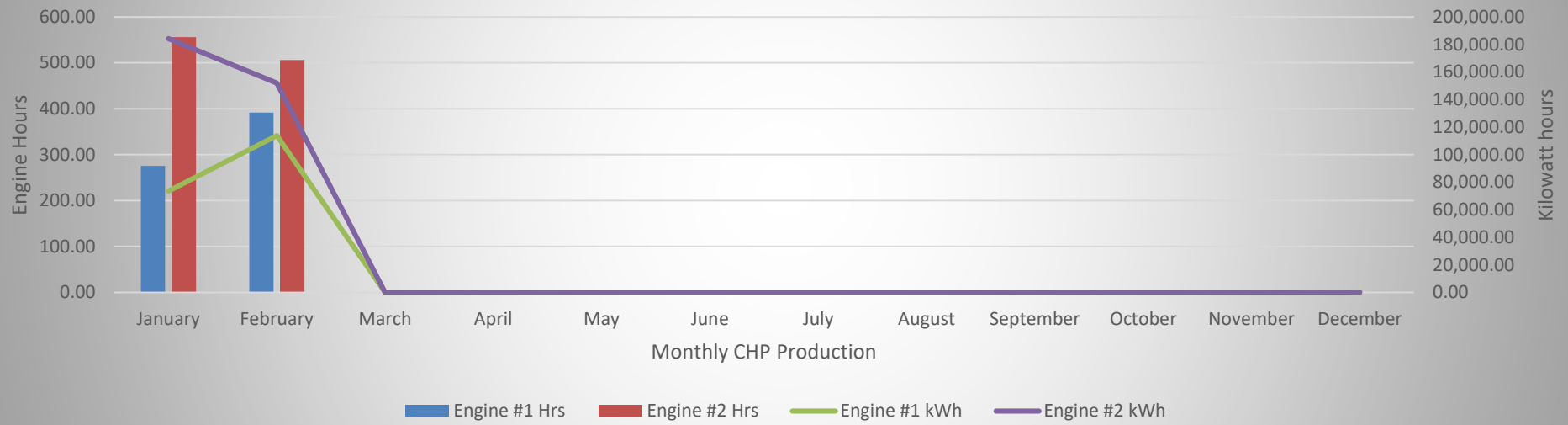


Description	Project Budget Amount	Spent to Date	October Updates
FIP Construction Engineering	\$150,000	\$11,414	Through February 28, 2020
FIP Construction	\$2,500,000	\$138,157	Through February 28, 2020
Small Capital Projects	\$85,000	\$0	Through February 28, 2020
Plant Equipment Rehabilitation	\$335,000	\$38,300	Through February 28, 2020
Infrastructure	\$97,000	\$0	Through February 28, 2020
Rolling Stock	\$39,434	\$0	Through February 28, 2020
Electrical Grid Design	\$250,000	\$162,800	Through February 28, 2020
HVAC Design	\$171,000	\$94,020	Through February 28, 2020
Electrical Grid Construction	\$2,600,000	\$0	Through February 28, 2020
Biosolids Dewatering Improvements Design	\$330,000	\$44,982	Through February 28, 2020
HVAC Construction	\$998,000	\$103,887	Through February 28, 2020



# Combined Heat & Power Production Report

## Road to Net Zero



Monthly CHP Production 2020 = \$0.07/kWh										
	Engine #1 Hrs	Engine #1 Avail Hrs	Engine #2 Hrs	Engine #2 Avail Hrs	Engine #1 kWh	Engine #1 Avail kWh	Engine #2 kWh	Engine #2 Avail kWh		\$ Saved
January	275.40	744	555.70	744	73,651.00	279,000	184,092.00	279,000		\$18,042.01
February	391.80	672	505.80	672	113,849.00	252,000	151,970.00	252,000		\$19,167.91
March	0.00	744	0.00	744	0.00	279,000	0.00	279,000		\$0.00
April	0.00	720	0.00	720	0.00	270,000	0.00	270,000		\$0.00
May	0.00	744	0.00	744	0.00	279,000	0.00	279,000		\$0.00
June	0.00	720	0.00	720	0.00	270,000	0.00	270,000		\$0.00
July	0.00	744	0.00	744	0.00	279,000	0.00	279,000		\$0.00
August	0.00	744	0.00	744	0.00	279,000	0.00	279,000		\$0.00
September	0.00	720	0.00	720	0.00	270,000	0.00	270,000		\$0.00
October	0.00	744	0.00	744	0.00	279,000	0.00	279,000		\$0.00
November	0.00	720	0.00	720	0.00	270,000	0.00	270,000		\$0.00
December	0.00	744	0.00	744	0.00	279,000	0.00	279,000		\$0.00





# Return on Investment Monetary Breakdown

	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 -
<b>Calendar Year 2019</b>							
January	83,875	\$4,193.75	\$11,974.22	(\$895.00)	\$15,272.97	\$36,229.69	(20,956.72)
February	104,450	\$5,222.50	\$10,649.85	(\$1,015.00)	\$14,857.35	\$36,229.69	(21,372.34)
March	172,115	\$8,605.75	\$16,329.62	(\$560.00)	\$24,375.37	\$36,229.69	(11,854.32)
April	151,990	\$7,599.50	\$9,056.77	(\$1,688.00)	\$14,968.27	\$36,229.69	(21,261.43)
May	166,920	\$8,346.00	\$5,203.69	(\$3,145.00)	\$10,404.69	\$36,229.69	(25,825.00)
June	95,716	\$4,785.80	\$14,985.16	(\$1,505.00)	\$18,265.96	\$36,229.69	(17,963.73)
July	194,896	\$9,744.80	\$10,749.56	(\$935.40)	\$19,558.96	\$36,229.69	(16,670.73)
August	179,003	\$8,950.15	\$14,041.98	(\$2,653.10)	\$20,339.03	\$36,229.69	(15,890.66)
September	137,175	\$6,858.75	\$8,792.19	(\$560.00)	\$15,090.94	\$36,229.69	(21,138.75)
October	222,475	\$11,123.75	\$3,712.19	(\$19,716.07)	-\$4,880.13	\$36,229.69	(41,109.83)
November	194,464	\$9,723.20	\$11,792.85	(\$10,620.00)	\$10,896.05	\$36,229.69	(25,333.64)
December	170,480	\$8,524.00	\$19,283.76	(\$945.00)	\$26,862.76	\$36,229.69	(9,366.93)
<b>Annual Totals</b>	1,873,559	\$93,677.95	\$136,571.86	(\$44,237.57)	\$186,012.24		
<b>Repayment Balance</b>	\$3,639,843.34						
<b>Annual Payback on Investment</b>	\$209,155.51						
<b>Current Return on Investment in Years</b>	17.4						
	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 -
<b>Calendar Year 2020</b>							
January	200,970	\$10,048.50	\$18,042.01	\$1,890.00	\$29,980.51	\$36,229.69	(6,249.18)
February		\$0.00	\$19,167.91	\$1,460.00		\$36,229.69	(36,229.69)
March		\$0.00	\$0.00			\$36,229.69	(36,229.69)
April		\$0.00	\$0.00			\$36,229.69	(36,229.69)
May		\$0.00	\$0.00			\$36,229.69	(36,229.69)
June		\$0.00	\$0.00			\$36,229.69	(36,229.69)
July		\$0.00	\$0.00			\$36,229.69	(36,229.69)
August		\$0.00	\$0.00			\$36,229.69	(36,229.69)
September		\$0.00	\$0.00			\$36,229.69	(36,229.69)
October		\$0.00	\$0.00			\$36,229.69	(36,229.69)
November		\$0.00	\$0.00			\$36,229.69	(36,229.69)
December		\$0.00	\$0.00			\$36,229.69	(36,229.69)
<b>Annual Totals</b>	200,970	\$10,048.50	\$37,209.92	\$3,350.00	\$29,980.51		
<b>Repayment Balance</b>	\$3,609,862.83						
<b>Annual Payback on Investment</b>	\$213,790.64						
<b>Current Return on Investment in Years</b>	16.9						

**SECTION 5.0**

**CONSENT AGENDA**



**SECTION 5.1**

**MINUTES FROM THE**  
**JANUARY 9, 2020**  
**MEETING**

GLENBARD WASTEWATER AUTHORITY  
Executive Oversight Committee  
Minutes  
January 9, 2020  
Meeting held at the Glenbard Wastewater Plant  
945 Bemis Road, Glen Ellyn, IL

Members Present:

Keith Giagnorio	President, Village of Lombard
Kelli Christiansen	Trustee, Village of Glen Ellyn
Mark Franz	Village Manager, Village of Glen Ellyn
Tim Sexton	Finance Director, Village of Lombard
Julius Hansen	Public Works Director, Village of Glen Ellyn
Carl Goldsmith	Public Works Director, Village of Lombard

Others Present:

Matthew Streicher	Executive Director, GWA
Tom Romza	Assistant Director/Engineer, GWA
Jon Braga	Maintenance Superintendent, GWA
Richard Freeman	Electrical Superintendent, GWA
David Goodalis	Operations Superintendent, GWA
Christina Coyle	Finance Director, Village of Glen Ellyn
Gayle Lendabarker	Administrative Secretary, GWA

1. Call to Order at 7:58 a.m.
2. Roll Call: President Giagnorio, Trustee Christiansen, Mr. Sexton, Mr. Franz, Mr. Hansen, and Mr. Goldsmith answered "Present". President McGinley, Trustee Ware and Mr. Niehaus were excused.
3. Pledge of Allegiance
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 the part of the months of November 2019 (partial) and December 2019 \$1,194,974.79 (Trustee Christiansen).*

**Mr. Franz requested that Consent Item 5.5 be approved separately as he must recuse himself from voting on this item.**

**Mr. Franz motioned and Trustee Christiansen seconded the *MOTION that the following items, with the exception of Item 5.5, on the Consent Agenda be approved. President Giagnorio, Trustee Christiansen, Mr. Sexton, Mr. Franz, Mr. Hansen and Mr. Goldsmith responded "Aye" during a roll vote. The motion carried.***

**Trustee Christiansen motioned and Mr. Goldsmith seconded the MOTION that Item 5.5 on the Consent Agenda be approved. President Giagnorio, Trustee Christiansen, Mr. Sexton, Mr. Hansen and Mr. Goldsmith responded “Aye” during a roll vote. The motion carried. Mr. Franz recused himself from voting on approval of this Item.**

- 5.1 Executive Oversight Committee Meeting Minutes:
  - December 4, 2019 EOC Meeting
- 5.2 Vouchers previously reviewed by Trustee Christiansen
  - November 2019 – Partial
  - December 2019
- 5.3 Sodium Thiosulfate Contract Award

The Glenbard Wastewater Authority posted the bid notification publicly through an advertisement to bid that was published in the Daily Herald on November 25, 2019. The deadline for receipt of the sealed bids was December 20, 2019 at 11:00 a.m.

After opening the bid documents, reviewing the unit prices, and confirming that all required documentation was present, PVS Minibulk was the lowest responsive, responsible bidder. PVS has been our long-term Sodium Thiosulfate provider due largely in part to the delivery requirements we have mandated and based on their proven performance record and consistent pricing. GWA does not have any reason to deny them award of the new contract. The Authority has been aware that both chemical costs as well as hauling costs have increased significantly since the last time this item was bid, and therefore had included an increased budget amount in the CY2020 budget to anticipate for the higher costs. The low bid of \$2.59/gallon is a 51% increase over the previous price of \$1.72/gallon.

The Operations Staff requests the EOC to allow to award a three-year contract to PVS Chemical, Detroit MI for the purchase and delivery of Liquid Sodium Thiosulfate at \$2.59 per gallon/delivered with the amount expensed to CY2020 O&M Budget 270-1-530440.

- 5.4 Sodium Hypochlorite Contract Award

The Glenbard Wastewater Authority posted the bid notification publicly through an advertisement to bid that was published in the Daily Herald on November 25, 2019. The deadline for receipt of the sealed bids was December 18, 2019 at 11:00 a.m.

After opening the bid documents, reviewing the unit prices, and confirming that all required documentation was present, Alexander Chemical Corporation was the lowest responsive, responsible bidder. Alexander Chemical has been our Sodium Hypochlorite provider in the past. To date, we do not have any reason to deny

them award of the new contract. The previous price the Authority was paying competitively per gallon of Sodium Hypochlorite was \$0.632 to Alexander Chemical Corporation from January 2017 until current. The Authority has been aware that both chemical costs as well as hauling costs have increased significantly since the last time this item was bid, and therefore had included an increased budget amount in the CY2020 budget to anticipate for the higher costs. The low bid of \$0.7101/gallon is a 12.4% increase over the previous price of \$0.632/gallon.

The Operations Staff requests the EOC to allow awarding Alexander Chemical Corporation the 3-year Sodium Hypochlorite supply contract for a unit price of \$0.7101 per gallon delivered. The cost of the Sodium Hypochlorite will be expensed to the Glenbard's Stormwater Plant CY2020 O&M budget line item 270-1-530440.

5.5 Request for Authorization to Enter into Year 4 of 5 of the Lease of Atmospheric Vaporizers and Airgas Liquid Oxygen Hauling Agreement

GWA requests waiver of bids and authorization to continue into year four of the five-year contract for the leasing of atmospheric vaporizers and liquid oxygen hauling with Airgas in CY2020. Liquid Oxygen hauling will be priced at \$0.274/per 100 cubic feet with a base delivery charge of \$15,600, and invoiced to Fund 270-530443 in the CY2020 Budget. Atmospheric Vaporizers Leasing will be priced at \$1,500/month, and invoiced to Fund 40 Capital Plan in the CY2020 Budget.

5.6 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 \$28,500 to be utilized during the 2020 calendar year.

6. Discussion

6.1 High Strength Waste Standard Operating Procedure

*Mr. Streicher advised that the request to adjust the High Strength Waste Standard Operating procedure is another small step in moving forward with being able to take in a higher quantity of FOG to help fuel the CHP system. Mr. Streicher indicated that while there have been several situations where the daily total was met, the overall average has remained well below overall capacity. Mr. Streicher stated that purpose of increasing the daily quantity is to grant the Operators the ability to take in more without having to seek approval from Tom Romza, Ashley Staat or himself when the plant was close to hitting the current 20,000-gallon limit.*

*Mr. Streicher indicated that per the guidelines, the information will be posted for public review and comment for the typical forty-five (45) day posting period and will then be brought to the EOC Committee for adoption. Trustee Christiansen advised she will work on reviewing and editing the documentation before posting in an effort to ensure the information easy for residents to read and comprehend.*

*Mr. Franz asked for clarification on current quantity. Mr. Streicher advised that the current daily limit is 20,000 gallons per day, 100,000 per week. Mr. Streicher added that if GWA was to actually receive 25,000 per day, every day, then there would be a need to increase the pumping rate to the digester slightly, but the increased quantity would still keep GWA within desired operating parameters GWA established to prevent future digester upsets. Mr. Streicher stated that staff has taken the approach of slowly conveying the FOG to the digester of the course of days, especially over the weekends, instead of trying to transfer it all over as quickly as possible.*

*Mr. Franz asked what was the quantity being transferred when the digester upset occurred. Mr. Streicher stated that 35,000 gallons a day for a few days in a row and it was pumped into the digester over six (6) to eight (8) hours each day; while the current transfer rate is currently six (6) minutes every hour. Mr. Streicher stated that staff recalculates the feed rates every month to limit a potential upset.*

*Mr. Goldsmith stated that even though the process change was discussed at a TAC meeting, he just wanted to have it on record that the change being proposed does not violate any orders or regulations imposed by the IEPA as a result of the digester upset in 2017. Mr. Streicher confirmed it does not, as the recommendations from the IEPA was to follow the SOP's, which GWA is not looking to modify. Mr. Streicher added that staff likes*

*having the SOP's as it provides the rules in black and white, making sure they are doing things right and that their safety is considered.*

*Mr. Streicher summarized that the documentation will be posted, an email blast sent to subscribers, and barring any concerns from residents, will be brought to the next EOC Committee meeting after the end of the 45-day posting period.*

## 6.2 Facility Improvement Project Update

*Mr. Romza advised that the lowest level of the box outs have been filled with concrete and the level backfilled; and Boller is now working on cutting the third level of bracing. Mr. Romza indicated that he tried to review the pumping rate, as this is an important element of the dewatering costs, and the last time he checked, the rate was at 630 gallons/per minute; however, not all of Boller's meters were attached to the hoses. Mr. Romza continued by stating that part of the reason the rate has dropped is due to the lower level being backfilled; but, without all of the meters connected to every hose, we can only go off the meters that are connected. Mr. Romza reminded the EOC members that dewatering costs are split 50/50 at any rate below 960 gallons/minute.*

*Mr. Romza advised that a HVAC issue with an exhaust fan that was installed in the grit building has come to light with the cold weather. Mr. Romza indicated that the fan was as loud as a jet engine which resulted in a complaint call from a neighbor after only a few hours of the fan coming on; so, Mr. Freeman disconnected the unit and discussions with Black and Veatch to determine if the specifications are correct or if there is some other issue with the unit are taking place.*

*Mr. Romza stated that at this time there have been no work delays and it appears that the July 7<sup>th</sup> date is still being projected as the substantial completion date; meanwhile the chemical feed system, with the new larger pumps, is starting to be installed at the filter building. Mr. Franz asked if the July date had been formally agreed to or if everything was still being based on the missed November completion date. Mr. Romza advised liquidated damages are still being assessed based on the missed November 2019 completion date.*

*Mr. Romza indicated that Mr. Hansen had suggested to Mr. Streicher and himself that with number of capital projects, i.e. FIP, BioSolids Dewatering Improvement Design, Admin HVAC and the Electrical Supply project, in 2020 that are/will be taking place at GWA, instead having lengthy updates for each project, that the agenda start reflecting a*

*discussion point entitled Capital Projects Updates and provide bullet point updates for each project.*

*Mr. Franz inquired as to the length of the electrical system upgrade project. Mr. Romza asked Mr. Freeman the how long the project would take once the contract is awarded. Mr. Freeman advised that it could take close to a year to complete the project. Mr. Franz asked if the project would be brought to the EOC for approval at the March meeting. Mr. Streicher indicated he is hopeful; however, the project has yet to be sent out to bid.*

### 6.3 Operations using Solids Retention Time

*Mr. Streicher indicated that the TAC recommended he advise the EOC Committee on steps Staff are trying in an effort to improve processes and address vulnerabilities at the facility. Mr. Streicher continued by explaining that GWA currently attempts to keep a target mixed liquor/suspended solids value, which is a mixture of the bugs from the sludge, needed bacteria, currently in the basins and new bugs coming into the plant, through the aeration basins and this is done by “wasting” or getting rid of a certain number of the bugs each day. Mr. Streicher explained that the new approach being tried is to target a specific bacteria “age” that allows the plant to keep a younger population of organisms. Mr. Streicher indicated that currently, the age of the bacteria in the carbonaceous stage is anywhere from three (3) to eleven (11) days and in the nitrification stage is anywhere from 100 to 300 days that the sludge remains in the system. Mr. Streicher advised that staff had been talking with other experts and shortlisted firms, and discovered that while our carbonaceous stage is on target, the aging in nitrification stage in the industry is along the lines of eleven (11) to thirty (30) days; which is substantially less retention time. Mr. Streicher advised that there are advantages to having younger sludge in the system, since the bugs are more active; for example, young bacteria can help reduce ammonia spikes the plant experiences during high flows, help increase the methane gas production for powering the CHP engines and what staff is hoping to see, is a production of a “stronger” floc on the disc filters which will reduce the number of times the system performs backwashes. Mr. Streicher stated that staff sought out input from engineering firms on its short-list, as well as other industry experts, and based on their recommendations, staff has begun to make process changes incrementally in order to monitor the ammonia levels closely, and avoid exceeding GWA’s NPDES permit limit. Mr. Streicher continued by stating that if a rise in the ammonia level is too great, the plant has the ability to revert back to the old method of using the mixed liquor/suspended solids approach.*

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*Mr. Streicher stated that staff is not content to simply keep doing the same thing because that is how it has always been done, and this is a process that has been and is currently used in the industry. Mr. Streicher added there is no risk of increased odors as it is simply a very minor process change to go from an estimated target number to a proven formula.*

*Mr. Franz asked if the increase ammonia level will cause odors. Mr. Streicher indicated that the only risk with increased ammonia is violating the NPDES permit limit GWA can discharge into the river. Mr. Streicher continued by stating that while GWA has gone five years without a permit violation, which is something not every plant has been able to do and why GWA received the prestigious NACWA Platinum Award, GWA would not be fined or penalized in any fashion by any governing agency if an excursion were to occur.*

*Mr. Goldsmith asked what the time frame for reverting back to the current method if the results show unfavorable results. Mr. Streicher indicated approximately one (1) to two (2) months as the plan calls for the sludge to be held for 30 days.*

*Trustee Christiansen asked if there is some sort of middle ground if the new plan doesn't work. Mr. Streicher explained that by using a formula and incrementally adjusting the rates, the hope is that we can find some sort of "sweet spot" that is beneficial to the process and does not lead to permit violations.*

*Mr. Streicher was asked by Mr. Hansen to make the EOC Committee aware of a new software, SwiftComply, that Ashley Staat, Environmental Resources Coordinator, is in the process of implementing as part of the FOG program. Mr. Streicher indicated the software will allow restaurant business owners to upload their pumping tickets receipts and photos of their grease traps to a web-based program. Mr. Streicher asked Ms. Staat to provide a brief summary of the program.*

*Ms. Staat explained that the software will work to help keep establishments in compliance and that she has been taking the time during routine inspections to help the owners register for the program and access the site their emails once they have registered. Ms. Staat stated that the program will give business owners/managers the ability to see their pumping history, any photos of inspections by herself and/or grease pumping drivers, as well as view her inspection reports, action needed reports and/or any enforcement for violations in one spot. Ms. Staat explained that she is actually trying to work with the grease pumpers to have them upload work tickets and photos when they visit an establishment as a way to demonstrate to owners/managers the benefits of the program and how easy it is to work with.*



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*Ms. Staat indicated that she is working with the Communications Departments from both Villages to distribute the program information through the Villages as well as post the information and links on their web sites. Ms. Staat indicated that the goal of the software is to provide “real time” compliance information versus the current 30 to 60 days lag time. Ms. Staat added that she is hoping to add a feature that will allow the information to be translated into multiple languages within the software to help further compliance, especially among ethnic restaurants owners who may struggle with English not being their primary language.*

*Mr. Franz asked if Ms. Staat had an email list for all of the restaurants in both Villages. Ms. Staat replied that currently she does not, but thinks once they enroll in the software, she will be able to generate a list for sharing information directly with the businesses.*

*Mr. Hansen confirmed that letters will be going out to all owners. Mr. Franz also suggested reminder blubs in any newsletters the Villages distribute.*

7. Other Business

- 7.1 Technical Advisory Committee Updates
- 7.2 Pending Agenda Items

8. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, February 13, 2020 at 8:00 a.m. in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137.***

*Mr. Streicher reminded the EOC Committee, that even though a February meeting date is listed, the meeting may be cancelled if there are no items for the EOC Committee to address.*

**Mr. Franz moved to adjourn the January 9, 2020 EOC Meeting and Mr. Goldsmith seconded the MOTION. President Giagnorio, Trustee Christiansen, Mr. Franz, Mr. Sexton, Mr. Goldsmith, and Mr. Hansen responded “Aye” during a roll vote. The motion carried. The meeting adjourned at 8:29 a.m.**

Submitted by:

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Gayle A. Lendabarker  
GWA Administrative Secretary

**SECTION 5.2**

**VOUCHERS**

**JANUARY 2020 AND**

**FEBRAURY 2020**

**GLENBARD WASTEWATER AUTHORITY**  
**APPROVAL OF VOUCHERS**  
**For the meeting in March 2020**

<b>EXPENDITURES:</b>	<b>Check Date</b>	<b>Paid Amount</b>		
Accounts Payable Warrant 0120-1		\$ 674,591.16		
Accounts Payable Warrant 0120-2		\$ 214,625.61		
Accounts Payable Warrant 0220-1		\$ 73,775.88		
Accounts Payable Warrant 0220-2		\$ 199,845.82		
		<u><b>\$ 1,162,838.47</b></u>	<b>Warrant Total</b>	<u><b>\$1,162,838.47</b></u>

<b>PAYROLL EXPENDITURES:</b>	<b>January 17, 2020</b>	<b>January 31, 2020</b>	<b>February 14, 2020</b>	<b>February 28, 2020</b>
<b>Net Employee Payroll Checks</b>	<b>\$ 43,458.20</b>	<b>\$ 39,898.45</b>	<b>\$ 43,819.51</b>	<b>\$ 38,960.81</b>

**Employee & Employer Payroll Deductions:**

Employee Deductions*	\$ 22,103.21	\$ 20,484.98	\$ 22,575.80	\$ 19,763.23
IMRF - Employer contribution	\$ 5,509.68	\$ 5,052.13	\$ 5,074.97	\$ 4,872.46
Social Security/Medicare Tax Withheld - Employer	\$ 4,800.90	\$ 4,404.80	\$ 4,902.96	\$ 4,281.66
<b>Total Payroll</b>	<b>\$ 75,871.99</b>	<b>\$ 69,840.36</b>	<b>\$ 76,373.24</b>	<b>\$ 67,878.16</b>
				<b>\$ 289,963.75</b>

**GRAND TOTAL** **\$ 1,452,802.22**

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1221 BOLLER CONSTRUCTION CO, INC										
PAYMENT NO 24	20170007	11/30/2019		0120-1	2662	135,315.00	01/15/2020	DIR	PD	FACILITY IMPROVEMENT PROJ
538 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY										
BILL NO 20		11/12/2019		0120-1	2663	318,500.64	01/15/2020	DIR	PD	L17-2874 - BIP LOAN PAYME
1221 BOLLER CONSTRUCTION CO, INC										
PAYMENT 25	20170007	12/31/2019		0120-2	2664	88,698.00	01/31/2020	DIR	PD	FACILITY IMPROVEMENT PROJ
PAYMENT 36	20170007	01/30/2020		0220-2	2673	138,156.91	02/28/2020	DIR	PD	FACILITY IMPROVEMENT PROJ
964 AIR SERVICES COMPANY										
423103		12/20/2019		0120-1	958818	473.99	01/15/2020	INV	PD	#100926-COMPRESSOR PARTS
881 AIRGAS, INC										
9096650454	20190002	01/04/2020		0120-1	958819	1,500.00	01/15/2020	INV	PD	VAPORIZER LEASING
9096684162		01/04/2020		0120-1	958819	1,624.93	01/15/2020	INV	PD	#2024961-LIQUID OXYGEN -
9096724168		01/04/2020		0120-1	958819	1,595.23	01/15/2020	INV	PD	#2024961-LIQUID OXYGEN -
9500574873		01/04/2020		0120-1	958819	6,160.21	01/15/2020	INV	PD	#2024961-LIQUID OXYGEN -
9500575098		01/11/2020		0120-1	958819	2,965.43	01/15/2020	INV	PD	#2024961-LIQUID OXYGEN -
950570112		12/28/2019		0120-1	958819	4,248.09	01/15/2020	INV	PD	#2024961-LIQUID OXYGEN -
9967269267		01/04/2020		0120-1	958819	66.25	01/15/2020	INV	PD	#2024961-GAS CYLINDER REN
						18,160.14				
1305 AMBER MECHANICAL CONTRACTORS, INC										
PAYMENT NO 1	20190007	01/09/2020		0120-1	958820	103,887.00	01/15/2020	INV	PD	HVAC REHAB CONSTRUCTION
461 AMERICAN PUBLIC WORKS ASSOCIATION										
21585		01/01/2020		0120-1	958821	695.00	01/15/2020	INV	PD	STAAT IPSI REGISTRATION -
21586		01/01/2020		0120-1	958821	695.00	01/15/2020	INV	PD	STREICHER REGISTRATION IP
21587		01/01/2020		0120-1	958821	695.00	01/15/2020	INV	PD	BRAGA REGISTRATION IPSI S
						2,085.00				
1303 ARCON ASSOCIATES INC										
25883		12/31/2019		0120-1	958822	599.50	01/15/2020	INV	PD	#19028-ROOF SVCS BLDG O&Z
976 MERCURY PARTNERS 90 BI, INC										
154218		12/26/2019		0120-1	958823	1,470.00	01/15/2020	INV	PD	#308574-ELECTRICAL PARTS
819 UNITED COMMUNICATIONS										
176215		01/15/2020		0120-1	958824	916.10	01/15/2020	INV	PD	#1209792-PHONE USAGE JAN/
47 CINTAS CORPORATION #769										

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
4038759868		12/30/2019		0120-1	958825	169.90	01/15/2020	INV	PD	#14924503-SHOP TOWEL SVC
										768 CINTAS FIRST AID & SAFETY
8404468360		01/10/2020		0120-1	958826	201.92	01/15/2020	INV	PD	#10127979-MONTHLY SAFETY
										490 COMCAST CABLE COMMUNICATIONS, LLC
21578		12/25/2019		0120-1	958827	206.31	01/15/2020	INV	PD	#8771200570017919-INTERNE
										1248 CONCENTRIC INTEGRATION
209734A		11/15/2019		0120-1	958828	8,143.45	01/15/2020	INV	PD	#190402.00-SOFTWARE LICEN
										1138 CONSTELLATION ENERGY SERVICES INC
2789005		01/09/2020		0120-1	958829	5,995.62	01/15/2020	INV	PD	#BG-11933-NATURAL GAS USA
										66 DETECTION SYSTEMS & SERVICE INC.
S2001352		12/15/2019		0120-1	958830	336.00	01/15/2020	INV	PD	ALARM MONITORING SVC 2020
										74 DREISILKER ELECTRIC MOTORS INC
I142339		12/23/2019		0120-1	958831	942.78	01/15/2020	INV	PD	#294445-ELECTRICAL MOTORS
										1167 KOR KLEEN INC.
FA-12007962		12/24/2019		0120-1	958832	36.76	01/15/2020	INV	PD	FA6992-LAUNDRY SVC TABLE
										293 VILLAGE OF GLEN ELLYN
21568		01/01/2020		0120-1	958833	474.65	01/15/2020	INV	PD	#610130-WATER SVC - NOV 2
21569		01/01/2020		0120-1	958833	19.86	01/15/2020	INV	PD	#432720-WATER SVC -OCT/NO
						494.51				
										1072 GOLDSTINE, SKRODZKI, RUSSIAN, NEMEC AND HOFF LTD.
149256		01/03/2020		0120-1	958834	800.00	01/15/2020	INV	PD	#14918-LEGAL SVCS - SUNNY
										297 W.W. GRAINGER, INC.
9397029084		12/31/2019		0120-1	958835	80.00	01/15/2020	INV	PD	#801764762- ELECTRICAL SU
9403112890		01/07/2020		0120-1	958835	55.92	01/15/2020	INV	PD	#801764762-ELECTRICAL SUP
9404096456		01/08/2020		0120-1	958835	103.28	01/15/2020	INV	PD	#801764762-ELECTRICAL TOO
						239.20				
										743 GROOT, INC
4867929		01/01/2020		0120-1	958836	510.51	01/15/2020	INV	PD	#310769434001-REFUSE SVC
										985 HOLSTEINS GARAGE
1131		12/31/2019		0120-1	958837	87.00	01/15/2020	INV	PD	SAFETY LANE INSPECTIONS -

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
124 HOME DEPOT USA, INC										
41527		12/19/2019		0120-1	958838	195.95	01/15/2020	INV	PD	#7114-ELECTRICAL SUPPLIES
1147 ILLINOIS AMERICAN WATER COMPANY										
21547		12/23/2019		0120-1	958839	126.33	01/15/2020	INV	PD	#1025220008432566-VVLS WA
1287 INDEPENDENT BEARING INC										
130776		01/01/2020		0120-1	958840	350.93	01/15/2020	INV	PD	BEARING WORK - DEC 2019
414 COLLCORP										
8572		01/07/2020		0120-1	958841	655.00	01/15/2020	INV	PD	UV SYSTEM PARTS - DEC 201
185 KONICA MINOLTA BUSINESS SOLUTIONS INC										
9006361130		12/26/2019		0120-1	958842	86.42	01/15/2020	INV	PD	#146316-COPIER USAGE - DE
1149 LINKO TECHNOLOGY INC										
6588		12/31/2019		0120-1	958843	4,000.00	01/15/2020	INV	PD	PRETREATMENT SOFTWARE LIC
295 VILLAGE OF LOMBARD										
21570		12/31/2019		0120-1	958844	14.55	01/15/2020	INV	PD	#31774-001-WATER SBVC - O
21571		12/31/2019		0120-1	958844	530.61	01/15/2020	INV	PD	#30042-0001-CSO WATER SVC
						545.16				
171 MCMASTER-CARR SUPPLY CO.										
25485875		12/26/2019		0120-1	958845	65.00	01/15/2020	INV	PD	#7735700-MAINT TOOLS - DE
25605442		12/27/2019		0120-1	958845	45.69	01/15/2020	INV	PD	#7735700-ELECTRICAL TOOLS
26945375		01/07/2020		0120-1	958845	125.91	01/15/2020	INV	PD	#7735700-MAINT PARTS - JA
						236.60				
1223 CAPITAL ONE NATIONAL ASSN										
317530419053654		10/31/2019		0120-1	958846	39.76	01/15/2020	INV	PD	#6004300499008602-MAITN S
317532319609351		11/20/2019		0120-1	958846	-3.03	11/20/2019	CRM	PD	#6004300499008602-SALES T
						36.73				
209 NCL OF WISCONSIN INC										
432874		12/20/2019		0120-1	958847	931.53	01/15/2020	INV	PD	#17348-LAB SUPPLIES - DEC
876 PITNEY BOWES, INC										
3103643368		12/30/2019		0120-1	958848	120.04	01/15/2020	INV	PD	#0016631770-POSTAGE METER
3103643368A		12/30/2019		0120-1	958848	60.02	01/15/2020	INV	PD	#0016631770-POSTAGE METER
						180.06				
1259 QP TESTING LLC										

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
301886		12/30/2019		0120-1	958849	8,439.00	01/15/2020	INV	PD	C0-GEN RELAY TESTINGS/CAL
	1226 RC CLEANING COMPANY									
21591		01/01/2020		0120-1	958850	1,020.00	01/15/2020	INV	PD	JANITORIAL SVC - JAN 2020
	412 NESTLE WATERS NORTH AMERICA									
10A8100616302		01/07/2020		0120-1	958851	98.84	01/15/2020	INV	PD	#8100616302-WATER SVC - D
	1212 RJN GROUP, INC									
305036	20190001	01/08/2020		0120-1	958852	10,149.00	01/15/2020	INV	PD	FLOW MONITORING SERVICES
	993 SIEMENS INDUSTRY, INC.									
5445839515		01/01/2020		0120-1	958853	12,279.00	01/15/2020	INV	PD	ANNUAL FIRE ALARM REPAIR
	939 STAPLES CONTRACT & COMMERCIAL INC.									
3436082572		01/11/2020		0120-1	958854	108.94	01/15/2020	INV	PD	#DET1680518-OFFICE SUPPLI
3436082573		01/06/2020		0120-1	958854	22.19	01/15/2020	INV	PD	DET160518-OFFICE SUPPLIES
3436082574		01/11/2020		0120-1	958854	26.18	01/15/2020	INV	PD	DET1680518-OFFICE SUPPLIE
						157.31				
	738 SUBURBAN LABORATORIES, INC.									
172437		12/31/2019		0120-1	958855	130.00	01/15/2020	INV	PD	LAB SVCS - DEC 2019
172611		01/07/2020		0120-1	958855	955.00	01/15/2020	INV	PD	LAB SVCS - DEC 2019
						1,085.00				
	1271 SYNAGRO-WWT									
11765		12/31/2019		0120-1	958856	17,024.00	01/15/2020	INV	PD	#3430-BIOSOLIDS HAULING -
	271 TERRACE SUPPLY COMPANY									
1007263		12/31/2019		0120-1	958857	51.46	01/15/2020	INV	PD	#315850-WELDING GAS CYLIN
	1001 TROTTER AND ASSOCIATES, INC.									
16563	20200002	12/31/2019		0120-1	958858	10,972.00	01/15/2020	INV	PD	BIOSOLIDS DEWATERING IMP
	477 UNITED PARCEL SERVICE, INC									
9YF103010		01/04/2020		0120-1	958859	6.51	01/15/2020	INV	PD	@9YF103-PARCEL SVC - DEC
	1311 UV DOCTOR LAMPS, LLC									
13017		12/18/2019		0120-1	958860	2,250.00	01/15/2020	INV	PD	UV SYSTEM REPLACEMENT PAR
	988 VERIZON WIRELESS SERVICES LLC									
9844503083		12/18/2019		0120-1	958861	2,052.04	01/15/2020	INV	PD	#687026363-00001-CELL SVC
9845417164		01/01/2020		0120-1	958861	229.79	01/15/2020	INV	PD	#842065533-00001-REMOTE S

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						2,281.83				
491 VWR INTERNATIONAL, INC.										
8088665591		12/20/2019		0120-1	958862	319.17	01/15/2020	INV	PD	#80020526-LAB SUPPLIES -
300 WATER ENVIRONMENT FEDERATION										
10-1900605075		10/23/2019		0120-1	958863	1,542.00	01/15/2020	INV	PD	#00605075-WEF MEMBERSHIP
1328 A ACCURATE DOOR SERVICE INC										
3178988		01/02/2020		0120-2	958864	500.00	01/31/2020	INV	PD	GWA - OVERHEAD DOOR REPAI
3186924		01/07/2020		0120-2	958864	185.00	01/31/2020	INV	PD	GWA- DOOR REPAIR - JAN 20
						685.00				
881 AIRGAS, INC										
9500575309		01/18/2020		0120-2	958865	7,612.12	01/31/2020	INV	PD	#2024961- LIQUID OXYGEN J
9500575547		01/25/2020		0120-2	958865	4,116.71	01/31/2020	INV	PD	#2024961-LIQUID OXYGEN -
						11,728.83				
218 PATTEN INDUSTRIES, INC.										
P60C0233808		01/08/2020		0120-2	958866	376.28	01/31/2020	INV	PD	#1512901-VVLS ST. CHAS LS
P60C0233809		01/08/2020		0120-2	958866	861.30	01/31/2020	INV	PD	#1512901-VVLS & ST. CHAS
P60C0233810		01/08/2020		0120-2	958866	195.75	01/31/2020	INV	PD	#1512901-VVLS & ST CHAS L
PM600286756		01/20/2020		0120-2	958866	2,260.20	01/31/2020	INV	PD	#1512901-LOAD BANK TEST S
						3,693.53				
461 AMERICAN PUBLIC WORKS ASSOCIATION										
21628		01/28/2020		0120-2	958867	695.00	01/31/2020	INV	PD	DILLMANN IPSI REGISTRATIO
1117 ANCO STEEL COMPANY INC										
303457		01/14/2020		0120-2	958868	948.46	01/31/2020	INV	PD	SO #290946-MAINT SUPPLIES
958 BAXTER & WOODMAN, INC.										
210994		01/24/2020		0120-2	958869	523.75	01/31/2020	INV	PD	#190974.3-NPDES PERMIT RE
210995		01/24/2020		0120-2	958869	385.00	01/31/2020	INV	PD	#190974.32-BIOSOLIDS PERM
						908.75				
996 BROOK ELECTRICAL DISTRIBUTION										
S008622800.001		01/22/2020		0120-2	958871	1,316.00	01/31/2020	INV	PD	#52890-ELECTRICAL PARTS -
33 CALCO, LTD.										
AU50392		11/19/2019		0120-2	958872	169.00	01/31/2020	INV	PD	#8061-CHEMCIALS - NOV 201
AU51170		01/21/2020		0120-2	958872	143.00	01/31/2020	INV	PD	#8061-CHEMICALS - JAN 202
						312.00				
1160 CHICAGO METROPOLITAN FIRE PREVENTION CO.										



## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
in00325197		01/18/2020		0120-2	958873	177.00	01/31/2020	INV	PD	#CON0000007405-ALARM SVC
1218 COLLEY ELEVATOR CO.										
192462		01/01/2020		0120-2	958874	198.00	01/31/2020	INV	PD	#BE0945-MONTHLY ELEVATOR
1307 CONSERV FS INC										
65088900		01/15/2020		0120-2	958875	357.00	01/31/2020	INV	PD	#809450-MAINT SUPPLIES -
994 DIRECT ENERGY MARKETING, INC.										
200210040933278		01/21/2020		0120-2	958876	33,973.86	01/31/2020	INV	PD	#1152328-ELECTRICAL USAGE
200210040933278A		01/21/2020		0120-2	958876	8,871.03	01/31/2020	INV	PD	#1152328-ELECTRICAL USAGE
						42,844.89				
78 DUPAGE SECURITY SOLUTIONS, INC.										
51350		01/20/2020		0120-2	958877	60.76	01/31/2020	INV	PD	MAINT - KEYS - JAN 2020
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC										
435508		01/15/2020		0120-2	958878	362.64	01/31/2020	INV	PD	#81393-01-ELECTRICAL PART
297 W.W. GRAINGER, INC.										
9422293309		01/24/2020		0120-2	958879	28.44	01/31/2020	INV	PD	#801764762-SAFETY GLASSES
9423286088		01/27/2020		0120-2	958879	407.27	01/31/2020	INV	PD	#801764762-ELECTRICAL PA
						435.71				
126 ILLINOIS ASSN. OF WASTEWATER AGENCIES										
4848		01/13/2020		0120-2	958880	180.00	01/31/2020	INV	PD	IAWA TECHNICAL CONF REGS
1214 IMPACT NETWORKING, LLC										
1674619		01/21/2020		0120-2	958881	192.00	01/31/2020	INV	PD	#14156_B-COPIER PAPER - J
945 AMERICAN WATER WORKS ASSOCIATION										
200048238		01/14/2020		0120-2	958882	56.00	01/31/2020	INV	PD	DZIEWIOR SCADA CLASS REGI
1278 TYCO FIRE & SECURITY (US) MANAGEMENT, INC.										
33717572		01/11/2020		0120-2	958883	130.44	01/31/2020	INV	PD	#1300133259417-ALARM SVC-
33717574		01/11/2020		0120-2	958883	138.00	01/31/2020	INV	PD	#01300133268280-ALARM MON
						268.44				
1102 JULIE, INC.										
2020-0705		01/08/2020		0120-2	958884	492.31	01/31/2020	INV	PD	GWWA0A-ANNUAL ASSESSMENT
1189 LEAHY-WOLF COMPANY										

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
392497		01/20/2020		0120-2	958885	945.00	01/31/2020	INV	PD	MAINT SUPPLIES - JAN 2020
157 LEN'S ACE HARDWARE, INC.										
93447-3		01/02/2020		0120-2	958886	3.17	01/31/2020	INV	PD	#331050-OPERATIONS SUPPLI
93448-3		01/02/2020		0120-2	958886	11.95	01/31/2020	INV	PD	#331050-MAINT SUPPLIES -
93644-3		01/15/2020		0120-2	958886	45.54	01/31/2020	INV	PD	#331050-OPERATIONS SUPPLI
93788-3		01/24/2020		0120-2	958886	16.75	01/31/2020	INV	PD	#331050-OEPRATIONS SUPPLI
93858-3		01/28/2020		0120-2	958886	51.94	01/31/2020	INV	PD	#331050-OPERATIONS SUPPLI
						129.35				
171 MCMASTER-CARR SUPPLY CO.										
28331372		01/14/2020		0120-2	958887	9.14	01/31/2020	INV	PD	#7735700-MAINT PARTS - JA
28823244		01/16/2020		0120-2	958887	313.12	01/31/2020	INV	PD	#7735700-MAINT TOOLS - JA
29898053		01/22/2020		0120-2	958887	260.46	01/31/2020	INV	PD	#7735700-MAINT PARTS - JA
29901238		01/22/2020		0120-2	958887	72.54	01/31/2020	INV	PD	#7735700-MAINT PARTS - JA
						655.26				
178 MICHAEL'S UNIFORM COMPANY, INC.										
92272		01/15/2020		0120-2	958888	70.40	01/31/2020	INV	PD	UNIFORM ORDERS - JAN 2020
92287		01/17/2020		0120-2	958888	87.30	01/31/2020	INV	PD	STAAT UNIFORM SHIRTS - JA
						157.70				
602 MIDCO, INC.										
341668		01/20/2020		0120-2	958889	778.00	01/31/2020	INV	PD	#14387-PHONE SYSTEM SOFTW
341669		01/20/2020		0120-2	958889	1,835.95	01/31/2020	INV	PD	#14387-PHONE SYSTEM MAINT
						2,613.95				
209 NCL OF WISCONSIN INC										
433686		01/15/2020		0120-2	958890	209.81	01/31/2020	INV	PD	#17348-LAB SUPPLIES - JAN
433836		01/17/2020		0120-2	958890	1,796.48	01/31/2020	INV	PD	#17348-LAB SUPPLIES - JAN
						2,006.29				
1168 NORTHERN TOOL & EQUIPMENT										
44151774		01/17/2020		0120-2	958891	1,008.00	01/31/2020	INV	PD	#283624081054111915-MAINT
1006 PHENOVA, INC.										
156675		01/21/2020		0120-2	958892	728.76	01/31/2020	INV	PD	#1500788-LAB SUPPLIES - J
224 POLYDYNE INC										
1419239		01/09/2020		0120-2	958893	10,396.00	01/31/2020	INV	PD	#133079-POLYMER-JAN 2020
226 PORTER PIPE AND SUPPLY CO										
12012373-00		01/16/2020		0120-2	958894	539.64	01/31/2020	INV	PD	#1826-MAINT SUPPLIES - JA
12012373-01		01/22/2020		0120-2	958894	154.20	01/31/2020	INV	PD	#1823-MAINT SUPPLIES - JA
12015071-00		01/22/2020		0120-2	958894	170.73	01/31/2020	INV	PD	#1823-MAINT SUPPLIES - JA

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1310 RPS ENGINEERING INC						864.57				
9457301-IN	20190010	01/10/2020		0120-2	958895	38,300.00	01/31/2020	INV	PD	SCREW PUMP COVER MATERIAL
939 STAPLES CONTRACT & COMMERCIAL INC.										
3436697101		01/18/2020		0120-2	958896	74.50	01/31/2020	INV	PD	#DET1680518-OFFICE SUPPLI
3436697102		01/14/2020		0120-2	958896	71.95	01/31/2020	INV	PD	#DET1680518-OFFICE SUPPLI
810 STATE FIRE MARSHAL						146.45				
9625220		01/17/2020		0120-2	958897	695.00	01/31/2020	INV	PD	ANNUAL PRESSURE VESSEL IN
464 STRAND ASSOCIATES, INC.										
156348	20180012	01/10/2020		0120-2	958898	923.82	01/31/2020	INV	PD	HVAC REHABILITATION DESIG
988 VERIZON WIRELESS SERVICES LLC										
9846578340		01/18/2020		0120-2	958899	186.67	01/31/2020	INV	PD	#687026363-00001-CELL SVC
9846578340A		01/14/2020		0120-2	958899	258.47	01/31/2020	INV	PD	#687026363-00001-CELL SVC
1207 1ST AYD CORPORATION						445.14				
PSI335969		01/28/2020		0220-1	958900	571.47	02/14/2020	INV	PD	#6307901901-MAINT CLEANIN
2 AAREN PEST CONTROL, INC.										
31792		02/04/2020		0220-1	958901	100.00	02/14/2020	INV	PD	PEST CONTROL - FEB 2020
881 AIRGAS, INC										
9097657178		02/01/2020		0220-1	958902	29.87	02/14/2020	INV	PD	#2024961-MIANT WEDLING S
9968076944		02/01/2020		0220-1	958902	66.25	02/14/2020	INV	PD	#2024961-TESTING GAS CYLI
1151 ALRO METAL SERVICE CENTER						96.12				
ABE9353IP		02/05/2020		0220-1	958903	868.67	02/14/2020	INV	PD	#157488-CSO BAR SCREEN RE
1260 APPLIED INDUSTRIAL TECHNOLOGIES INC										
7018150819		01/29/2020		0220-1	958904	532.68	02/14/2020	INV	PD	#1251999-MAINT PARTS - JA
900352811		01/27/2020		0220-1	958904	-121.17	01/27/2020	CRM	PD	#1251999-MAINT ITEM RETUR
958 BAXTER & WOODMAN, INC.						411.51				
21690		01/22/2020		0220-1	958905	60.00	01/27/2020	INV	PD	STAAT-PRETREATMENT REGIST
1124 BLACK & VEATCH CORPORATION										

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INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1313373	20160007	01/31/2020		0220-1	958906	11,414.48	02/14/2020	INV	PD	CONSTRUCTION OVERSIGHT FI
33 CALCO, LTD.										
AU48816		02/05/2020		0220-1	958907	276.00	02/14/2020	INV	PD	#8061-WATER FILTRATION CH
37 CDW GOVERNMENT, INC.										
WRS7403		02/04/2020		0220-1	958908	2,014.61	02/14/2020	INV	PD	#4019735-MAINT TABLE - FE
WSF3124		02/06/2020		0220-1	958908	295.50	02/14/2020	INV	PD	#4019735-MAINT TABLET AC
						2,310.11				
47 CINTAS CORPORATION #769										
4041563239		01/31/2020		0220-1	958909	169.90	02/14/2020	INV	PD	#14924503-MAINT SHOP TOWE
768 CINTAS FIRST AID & SAFETY										
8404505519		02/07/2020		0220-1	958910	137.76	02/14/2020	INV	PD	#10127979-MONTHLY FIRST A
1218 COLLEY ELEVATOR CO.										
196563		02/01/2020		0220-1	958911	198.00	02/14/2020	INV	PD	#BE0945-MONTHLY ELEVATOR
490 COMCAST CABLE COMMUNICATIONS, LLC										
21698		01/25/2020		0220-1	958912	206.31	02/14/2020	INV	PD	#8771200570017919-TV & IN
1248 CONCENTRIC INTEGRATION										
211312		01/27/2020		0220-1	958913	2,050.00	02/14/2020	INV	PD	#190228.00-SERVER MIGRATI
62 PADDOCK PUBLICATIONS, INC										
42015		02/04/2020		0220-1	958914	207.00	02/14/2020	INV	PD	PUBLIC NOTCE-BID NOTICE -
1106 ENECON CORPORATION										
P/E-29938		01/27/2020		0220-1	958915	670.00	02/14/2020	INV	PD	MAINT - REPAIR KIT - JAN
293 VILLAGE OF GLEN ELLYN										
21673		02/01/2020		0220-1	958916	19.86	02/14/2020	INV	PD	#432720-WATER SVC - NOV/D
21674		02/01/2020		0220-1	958916	418.05	02/14/2020	INV	PD	#610130-WATER SVC - DEC 2
						437.91				
1072 GOLDSTINE, SKRODZKI, RUSSIAN, NEMEC AND HOFF LTD.										
149884		02/06/2020		0220-1	958917	150.00	02/14/2020	INV	PD	#14918-00001-LEGAL SVCS -
297 W.W. GRAINGER, INC.										
9431611160		02/03/2020		0220-1	958918	36.79	02/14/2020	INV	PD	#801764762-ELECTRICAL SUP
9432462647		02/04/2020		0220-1	958918	82.47	02/14/2020	INV	PD	#801764762-MAINT TOOLS -

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
9434653763		02/05/2020		0220-1	958918	150.84	02/14/2020	INV	PD	#801764762-JANITORIAL SUP
9435644639		02/06/2020		0220-1	958918	207.85	02/14/2020	INV	PD	#801764762-PAPER TOWEL DI
						477.95				
743 GROOT, INC										
5071216		02/01/2020		0220-1	958919	428.51	02/14/2020	INV	PD	#310769434001-REFUSE SVC
882 GRUNDFOS WATER UTILITY										
1900214647		10/29/2019		0220-1	958920	9,795.00	02/14/2020	INV	PD	#600008832-NON POTABLE WA
985 HOLSTEINS GARAGE										
1169		01/31/2020		0220-1	958921	35.00	02/14/2020	INV	PD	SAFETY LANE INSPECTION #6
1147 ILLINOIS AMERICAN WATER COMPANY										
21711		01/27/2020		0220-1	958922	127.29	02/14/2020	INV	PD	#1025220008432566-VVLS WA
126 ILLINOIS ASSN. OF WASTEWATER AGENCIES										
4862		02/05/2020		0220-1	958923	70.00	02/14/2020	INV	PD	PUBLIC FUNDING LUNCHEON -
185 KONICA MINOLTA BUSINESS SOLUTIONS INC										
9006451583		01/25/2020		0220-1	958924	114.59	02/14/2020	INV	PD	#146316-COPIER USAGE - DE
1264 LAWSON PRODUCTS INC										
9307353152		01/31/2020		0220-1	958925	1,727.14	02/14/2020	INV	PD	#10274594-MAINT SUPPLIES
1189 LEAHY-WOLF COMPANY										
391420		12/17/2019		0220-1	958926	945.00	02/14/2020	INV	PD	CHP ENGINE OIL - DEC 2019
393068		01/31/2020		0220-1	958926	945.00	02/14/2020	INV	PD	CHP ENGINE OIL - JAN 2020
						1,890.00				
517 LIPKE-KENTEX CORP.										
579821		01/29/2020		0220-1	958927	414.09	02/14/2020	INV	PD	MAINT LAUNDRY SUPPLIES-JA
295 VILLAGE OF LOMBARD										
21675		02/03/2020		0220-1	958928	14.55	02/14/2020	INV	PD	31774-001-WATER SVC DEC 2
21677		02/03/2020		0220-1	958928	14.55	02/14/2020	INV	PD	#30042-001-WATER SVC CSO
						29.10				
171 MCMASTER-CARR SUPPLY CO.										
30983751		01/28/2020		0220-1	958929	457.56	02/14/2020	INV	PD	#7735700-ELECTRIAL TOOL -
31416874		01/30/2020		0220-1	958929	228.78	02/14/2020	INV	PD	#7735700-ELECTRICAL TOOLS
						686.34				
1223 CAPITAL ONE NATIONAL ASSN										

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
314002920068052		01/29/2020		0220-1	958930	32.09	02/14/2020	INV	PD	#6004300499008602-MAINT S
602 MIDCO, INC.										
342114		02/04/2020		0220-1	958931	120.00	02/14/2020	INV	PD	#14387-PHONE SYSTEM SUPPO
1142 GENUINE PARTS CO-NAPA										
0701-541743		02/03/2020		0220-1	958932	2.98	02/14/2020	INV	PD	#13643-MAINT AUTO SUPPLIE
226 PORTER PIPE AND SUPPLY CO										
12018298-00		01/29/2020		0220-1	958933	9.65	02/14/2020	INV	PD	#1823-MAINT SUPPLIES - JA
412 NESTLE WATERS NORTH AMERICA										
10B8100616302		02/06/2020		0220-1	958934	134.84	02/14/2020	INV	PD	#8100616302-BOTTLED WATER
246 RYAN HERCO PRODUCTS CORP										
9404638		01/31/2020		0220-1	958935	737.85	02/14/2020	INV	PD	MAINT SUPPLIES -JAN 2020
939 STAPLES CONTRACT & COMMERCIAL INC.										
3438952852		02/03/2020		0220-1	958936	55.16	02/14/2020	INV	PD	#DET1680518-OFFICE CLEANI
3438952853		02/05/2020		0220-1	958936	57.45	02/14/2020	INV	PD	DET1680518-COFFEE SUPPLIE
738 SUBURBAN LABORATORIES, INC.						112.61				
172949		01/27/2020		0220-1	958937	370.50	02/14/2020	INV	PD	LAB SVCS - OVERTON GEAR-J
172950		01/27/2020		0220-1	958937	370.50	02/14/2020	INV	PD	LAB SVCS - ROTOMETRICS
172951		01/27/2020		0220-1	958937	370.50	02/14/2020	INV	PD	LAB SVCS - E/M COATING-JA
173224		01/03/2020		0220-1	958937	468.00	02/14/2020	INV	PD	LAB SERVICES - JAN 2020
173538		02/11/2020		0220-1	958937	572.00	02/14/2020	INV	PD	LB SVCS - MONTHLY NPDES T
271 TERRACE SUPPLY COMPANY						2,151.50				
1008227		01/31/2020		0220-1	958938	51.46	02/14/2020	INV	PD	#315850-WELDNG CYLINDER R
1001 TROTTER AND ASSOCIATES, INC.										
16761	20200002	01/31/2020		0220-1	958939	5,735.00	02/14/2020	INV	PD	BIOSOLIDS DEWATERING IMP
16762	20200002	01/31/2020		0220-1	958939	28,275.00	02/14/2020	INV	PD	BIOSOLIDS DEWATERING IMP
477 UNITED PARCEL SERVICE, INC						34,010.00				
9YF103040-A		01/25/2020		0220-1	958940	15.37	02/14/2020	INV	PD	#9YF103- PACKAGE SHIPPING
9YF103060		02/08/2020		0220-1	958940	37.49	02/14/2020	INV	PD	#9YF103-SHIPPING SVCS - F
988 VERIZON WIRELESS SERVICES LLC						52.86				

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
9847486189		02/01/2020		0220-1	958941	229.79	02/14/2020	INV	PD	#842065533-00001-REMOTE S
881 AIRGAS, INC										
9097762519	20200004	01/31/2020		0220-2	958942	1,500.00	02/28/2020	INV	PD	VAPORIZERS/AIRGAS LEASE
9098436135		02/19/2020		0220-2	958942	650.00	02/28/2020	INV	PD	#2024961-LIQUID OXYGEN TA
9500575783		02/01/2020		0220-2	958942	6,175.49	02/14/2020	INV	PD	#2024961-LIQUID OXYGEN DE
950058059		02/08/2020		0220-2	958942	5,921.06	02/14/2020	INV	PD	#2024961-LIQUID OXYGEN DE
						14,246.55				
958 BAXTER & WOODMAN, INC.										
211597		02/21/2020		0220-2	958943	560.00	02/28/2020	INV	PD	PROJ #190974.30-NPDES PER
211598		02/21/2020		0220-2	958943	1,604.05	02/28/2020	INV	PD	PROJ#190974.32-BIOSOLIDS
21792		02/26/2020		0220-2	958943	60.00	02/28/2020	INV	PD	STREICHER-PRETREATMENT SE
						2,224.05				
24 BERLAND'S INC										
361562		02/21/2020		0220-2	958944	178.93	02/28/2020	INV	PD	#733-MAINT TOOLS - FEB 20
819 UNITED COMMUNICATIONS										
187974		02/15/2020		0220-2	958945	907.47	02/28/2020	INV	PD	#1209792-PHONE SVC - FEB/
1160 CHICAGO METROPOLITAN FIRE PREVENTION CO.										
IN00327601		02/13/2020		0220-2	958946	190.00	02/28/2020	INV	PD	#SO00316707-STCHAS LS ALA
IN00327602		02/13/2020		0220-2	958946	190.00	02/28/2020	INV	PD	#SO00316706-VVLS ANNUAL A
						380.00				
1138 CONSTELLATION ENERGY SERVICES INC										
2814454		02/10/2020		0220-2	958947	8,485.97	02/14/2020	INV	PD	#BG-11933-NATURAL GAS USA
297 W.W. GRAINGER, INC.										
9440863422		02/12/2020		0220-2	958948	74.40	02/28/2020	INV	PD	#801764762-MAINT TOOLS -
9441655272		02/12/2020		0220-2	958948	40.00	02/28/2020	INV	PD	#801764762-ELECTRICAL SUP
9445430359		02/17/2020		0220-2	958948	612.48	02/28/2020	INV	PD	#801764762-MAINT SPILL CO
9457195882		02/26/2020		0220-2	958948	110.86	02/28/2020	INV	PD	#801764762-HAND CLEANER -
						837.74				
794 HARRIS EQUIPMENT										
17273		12/09/2019		0220-2	958949	75.50	02/28/2020	INV	PD	MAINT SUPPLIES - DEC 2019
124 HOME DEPOT USA, INC										
1035505		02/06/2020		0220-2	958950	30.95	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - FE
1070615		01/27/2020		0220-2	958950	6.98	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - JA
2015202		02/05/2020		0220-2	958950	16.98	02/28/2020	INV	PD	#7114-MAINT PARTS - FEB 2
2023044		02/05/2020		0220-2	958950	14.27	02/28/2020	INV	PD	#7114-MAINTS PARTS - FEB
2034136		01/16/2020		0220-2	958950	13.10	01/21/2020	INV	PD	#7114-MAINT SUPPLIES - JA

## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
211849		01/28/2020		0220-2	958950	13.40	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - JA
2304106		01/16/2020		0220-2	958950	37.35	01/21/2020	INV	PD	#7114-MAINT SUPPLIES - JA
3010174		02/14/2020		0220-2	958950	40.15	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - FE
3902496		01/15/2020		0220-2	958950	71.14	01/21/2020	INV	PD	#7114-MAINT SUPPLIES - JA
3902507		01/15/2020		0220-2	958950	6.93	01/21/2020	INV	PD	#7114-MAINT SUPPLIES - JA
3904098		01/15/2020		0220-2	958950	80.95	01/21/2020	INV	PD	#7114-MAINT SUPPLIES - JA
5034564		01/23/2020		0220-2	958950	9.47	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - JA
6036288		02/21/2020		0220-2	958950	63.55	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - FE
6080142		01/22/2020		0220-2	958950	121.39	02/28/2020	INV	PD	#7114-OPERATIONS SUPPLIES
7034437		01/21/2020		0220-2	958950	3.68	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - JA
7134176		01/21/2020		0220-2	958950	54.96	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - JA
7904351		02/20/2020		0220-2	958950	27.46	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - FE
7904393		01/21/2020		0220-2	958950	37.92	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - JA
7974565		01/21/2020		0220-2	958950	-3.68	01/21/2020	CRM	PD	#7114-MERCHANDISE RETURNE
8084006		02/19/2020		0220-2	958950	126.74	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - FE
903140		01/28/2020		0220-2	958950	42.30	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - JA
9034894		01/29/2020		0220-2	958950	96.94	02/28/2020	INV	PD	#7114-ELECTRICAL SUPPLIES
9444147		01/30/2020		0220-2	958950	7.17	02/28/2020	INV	PD	#7114-MAINT SUPPLIES - JA
						920.10				
1317 VEOLIA WATER TECHNOLOGIES, INC.										
20000123RI05700		02/06/2020		0220-2	958951	523.28	02/28/2020	INV	PD	#1069008-DISC FILTER BASK
1189 LEAHY-WOLF COMPANY										
393813		02/21/2020		0220-2	958952	945.00	02/28/2020	INV	PD	CHIP ENGINE OIL-FEB 2020
157 LEN'S ACE HARDWARE, INC.										
93978-3		02/04/2020		0220-2	958953	10.22	02/28/2020	INV	PD	#331050-OPERATIONS SUPPLI
94009-3		02/06/2020		0220-2	958953	29.55	02/28/2020	INV	PD	#331050-OPERATIONS SUPPLI
94035-3		02/07/2020		0220-2	958953	6.38	02/28/2020	INV	PD	#331050-MAINT TOOLS - FEB
94094-3		02/12/2020		0220-2	958953	43.14	02/28/2020	INV	PD	#331050-OPERATIONS SUPPLI
94111-3		02/12/2020		0220-2	958953	10.54	02/28/2020	INV	PD	#331050-OPERATIONS SUPPLI
94174-3		02/18/2020		0220-2	958953	14.35	02/28/2020	INV	PD	#331050-MAINT SUPPLIES -
94302-3		02/27/2020		0220-2	958953	.68	02/28/2020	INV	PD	#331050-MAINT SUPPLIES -
						114.86				
171 MCMASTER-CARR SUPPLY CO.										
33964862		02/12/2020		0220-2	958954	28.10	02/28/2020	INV	PD	#7735700-MAINT SUPPLIES -
1211 GMC METALS, INC.										
1015384		02/21/2020		0220-2	958955	98.52	02/28/2020	INV	PD	MAINT SUPPLIES - FEB 2020
188 MOTION INDUSTRIES INC										
IL10-681626		02/26/2020		0220-2	958956	36.87	02/28/2020	INV	PD	#80514201-MAINT PARTS - F
IL10-681639		02/26/2020		0220-2	958956	33.94	02/28/2020	INV	PD	#80514201-MAINT PARTS - F
						70.81				
873 THE PITNEY BOWES BANK, INC										



## VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
21795		02/05/2020		0220-2	958957	201.00	02/28/2020	INV	PD	#8000909005198416-POSTAGE
226 PORTER PIPE AND SUPPLY CO										
12018301-00		01/30/2020		0220-2	958958	-62.19	01/30/2020	CRM	PD	#1823-CREDIT FOR RETURNED
12025704-00		02/13/2020		0220-2	958958	91.40	02/28/2020	INV	PD	#1823-MAINT SUPPLIES - FE
12025837-00		02/13/2020		0220-2	958958	78.83	02/28/2020	INV	PD	#1823-MAINT SUPPLIES - FE
						108.04				
952 PROGRAM ONE PROFESSIONAL BUILDING SERVICES INC.										
131434		02/07/2020		0220-2	958959	221.00	02/28/2020	INV	PD	8280-223488-QRTRLY WINDOW
233 PVS MINIBULK, INC										
142665		01/23/2020		0220-2	958960	5,364.97	01/30/2020	INV	PD	#42485-CSO THIOSULFATE CH
1226 RC CLEANING COMPANY										
21800		02/24/2020		0220-2	958961	1,020.00	02/28/2020	INV	PD	JANITORIAL SVC - FEB 2020
1329 SIMPLYFLY, LLC										
9818		01/27/2020		0220-2	958962	75.00	02/28/2020	INV	PD	BRAGA DRONE GROUND TRAINI
9819		02/03/2020		0220-2	958962	205.00	02/28/2020	INV	PD	BRAGA FLIGHT TRAINING -FE
						280.00				
939 STAPLES CONTRACT & COMMERCIAL INC.										
3439537482		02/12/2020		0220-2	958963	43.96	02/28/2020	INV	PD	DET1680518-OFFICE SUPPLIE
3440035646		02/12/2020		0220-2	958963	161.98	02/28/2020	INV	PD	DET1680518-DRONE SD MEMOR
						205.94				
464 STRAND ASSOCIATES, INC.										
157124	20180012	02/10/2020		0220-2	958964	3,160.49	02/28/2020	INV	PD	HVAC REHABILITATION DESIG
738 SUBURBAN LABORATORIES, INC.										
173586		02/12/2020		0220-2	958965	370.50	02/28/2020	INV	PD	LAB SVCS - E/M COATING-FE
173587		02/12/2020		0220-2	958965	370.50	02/28/2020	INV	PD	LAB SVCS - OVERTON GEAR-F
173777		02/20/2020		0220-2	958965	468.00	02/28/2020	INV	PD	LAB SVCS - SLUDGE FECAL T
173807		02/12/2020		0220-2	958965	323.00	02/28/2020	INV	PD	LAB SVCS-QUARTERLY NPDES-
173890		02/25/2020		0220-2	958965	434.00	02/28/2020	INV	PD	LAB SVCS-QRTRLY NPDES EF
						1,966.00				
1271 SYNAGRO-WWT										
12550		01/31/2020		0220-2	958966	18,620.00	02/14/2020	INV	PD	BIOLSOLIDS HAULING - JAN
988 VERIZON WIRELESS SERVICES LLC										
9848650229		02/18/2020		0220-2	958967	504.59	02/28/2020	INV	PD	#687026363-00001-CELLULAR

**VENDOR INVOICE LIST**

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET DUE DATE	TYPE	STS	INVOICE DESCRIPTION
260 INVOICES						1,162,838.47			

\*\* END OF REPORT - Generated by Lori Thomas \*\*

## **SECTION 5.3**

# **VEHICLE PURCHASE APPROVAL**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

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

**DATE:** March 12, 2020

**RE:** Electrical Technician Vehicle Purchase Request

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The Authority's Electronics Technician responsibilities require that position to have its own vehicle due to the nature of tools, parts, and other items needed while traveling within the confines of the main plant, as well as all the Authority's remote facilities. Currently, the Technician uses Unit Number 627, a 2005 For Utilimaster Low Cube, which was originally designated to be replaced in 2017. Upon inspection in 2017, the Village of Glen Ellyn's Fleet Services Director deemed the unit to be in good enough condition to continue to use it for up to 2 years, so the purchase of a replacement vehicle was deferred.

Near the end of 2019, the Authority had the Village's Fleet Services Director reevaluated the condition of the vehicle, and in order to obtain any salvage value, all agreed now is the appropriate time for replacement.

Therefore, the Authority began obtaining pricing from various joint purchasing authority's that it is eligible through being a municipal entity. Staff found the lowest quote to be from the Suburban Joint Purchasing Authority, who utilizes Currie Motors Fleet in Frankfort, Illinois. As seen in the attached quote, the price as configured for the required vehicle is \$29,093. However, the vehicle will also require a box to be installed on it in order to carry all the required tools, parts, and other items the Technician uses. This box is not provided through any joint purchasing authority, so three quotes were obtained, with the lowest costing \$16,375 (with installation) from Regional Truck Equipment – bringing the total vehicle cost to \$45,468.00. The total amount budgeted in the CY2020 budget is \$39,434, putting the new vehicle at approximately \$6,034 over budget. However, it is anticipated that the existing vehicle #627 will yield a value at auction, and therefore will offset the overage of the new vehicle.

The Village of Glen Ellyn's Fleet Services Director assisted in obtaining pricing and has reviewed the information for the proposed equipment.

Therefore, the Authority requests approval to purchase a 2020 Ford F-350 XL 4x2 Chassis Cab from Currie Motors Fleet in the amount of \$29,093, and an enclosed utility body with installation from Regional Truck Equipment in the amount of \$16,375, both to be invoiced to Capital Account 40-570155 Rolling Stock. Along with the request for the new vehicle and associated equipment, the Authority also recommends and requests that the EOC declare the existing Unit Number 627, a 2005 For Utilimaster Low Cube and associated equipment as a surplus, allowing the Authority to put the vehicle up for auction.



**2020 FORD F-350  
XL 4X2 CHASSIS CAB  
Contract# 184**



**Currie Motors Fleet**

**“Nice People to Do Business With”**

**Order Cut- Off: TBD**

**Visit our new website**

**[www.curriecommercial.com](http://www.curriecommercial.com)**

**Contract # 184**



**CURRIE MOTORS FLEET**  
**SPC Contract Winner**

**2020 FORD F-350**

**XL 4x2 CHASSIS CAB**

**Call Tom Sullivan (815) 464-9200**

**Standard Package: \$24,360.00**

Warranty 3 Years 36,000 miles Bumper to Bumper/ 5 Years 60,000 Power train

6.2L 2Valve Gasoline SOHC V-8  
10-Speed Automatic w/ Selectable  
Drive Modes 4-Wheel Disc Brakes  
Front Black Painted Bumper Solar  
Tint Glass  
Front Splash Guards  
3-Blink Lane Change Signal Front  
Tow Hooks  
19.5" Argent Steel Wheels  
4 - LT225/70Rx19.5GBSW Tires  
240 Amp Heavy Duty Alternator  
Oil minder System  
Independent Twin I-Beam  
w/coil spring suspension (4x2)  
Single Rear Wheel

H.D. Gas Shock Absorbers  
Front/Rear Stabilizers  
Air Conditioner – Manual  
Dome Lamp  
AM/FM/Clock MP3-  
SYNC  
Ford Pass Connect 4G  
Wi-Fi Modem  
Ford Telematics Prep  
Manual Door Locks & Windows  
Intermittent Windshield Wiper  
Advance Trac with  
Roll Stability Control  
Driver and Passenger Front & Side  
Airbag/Curtain  
Passenger Side Deactivation Switch  
Free delivery within 50 miles of  
dealership



### Options – Body Style

<input type="checkbox"/>	Super Cab 60" Cab to Axle	2605.00
<input type="checkbox"/>	Crew Cab 60" Cab to Axle	3509.00
<input type="checkbox"/>	84" Cab to Axle- Regular Only	262.00
<input type="checkbox"/>	Dual Rear Wheel Upgrade-14,000lb GVWR	1557.00

### Options – Engine, Transmission, Powertrain

<input type="checkbox"/>	99N 7.3L 2V V-8	1551.00
<input type="checkbox"/>	99T 6.7L OHV Power Stroke Diesel Includes PTO Provision	9551.00
<input type="checkbox"/>	4x4 with Electronic Shift on the Fly	3507.00
<input type="checkbox"/>	Limited Slip Axle	355.00
<input type="checkbox"/>	62R PTO Provision with 7.3L engine	254.00
<input type="checkbox"/>	98F Gaseous Prep – (6.2L and 7.3L V-8 - does not include Conversion)	286.00
<input type="checkbox"/>	98R Operator Command Regeneration (requires Diesel Motor)	228.00
<input type="checkbox"/>	41H Engine Block Heater	92.00
<input type="checkbox"/>	Engine Idle Shut Down Duration: Spec. Minutes _____	228.00
<input type="checkbox"/>	67B Dual Extra Duty Alternators (requires Diesel Motor)	104.00
<input type="checkbox"/>	86M Dual Batteries(78amp) req. 6.2L or 7.3L engine	191.00
<input type="checkbox"/>	65M 28.5 Gallon Mid Ship Tank-STD SRW	114.00
<input type="checkbox"/>	Powertrain Care 3 Year 100,000 Warranty 4x2 Gasoline Motor	1795.00
<input type="checkbox"/>	Powertrain Care 3 Year 100,000 Warranty 4x4 Gasoline Motor w/Plow	2950.00
<input type="checkbox"/>		

### Options – Wheels/Tires

<input type="checkbox"/>	TDX LT275/70RX18E A/T Plus-Single Rear Wheel 4x4 Chassis	241.00
<input type="checkbox"/>	TBM LT245/75RX17E BSW A/T-Dual Rear Wheel 4x4 Chassis	150.00
<input type="checkbox"/>	64J Forged Aluminum Wheels-Dual Rear Wheel Chassis Only	546.00
<input type="checkbox"/>	512 Spare Tire and Wheel	319.00
<input type="checkbox"/>	945 Stainless Steel Wheel Covers	373.00

### Options - Functional

<input type="checkbox"/>	76C Back Up Alarm	127.00
<input type="checkbox"/>	18A Up fitter Interface Module	269.00
<input type="checkbox"/>	61J Jack	50.00
<input type="checkbox"/>	43B Rear Defroster (Requires privacy glass and requires 90L)	55.00
<input type="checkbox"/>	924 Privacy Glass (Requires 90L and Rear Defroster)	N/C

### Options - Groups/Packages

<input type="checkbox"/>	96V <b>XL Value Package</b> ▪ Cruise Control ▪ Chrome Front Bumper	660.00
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<input type="checkbox"/> 90L	<b>Power Equipment Group</b> <ul style="list-style-type: none"> <li>▪ Heated power mirrors with integrated clearance lamps/turn signals</li> <li>▪ Perimeter Alarm</li> <li>▪ Accessory Delay</li> <li>▪ Power Windows/Locks/Tailgate Lock</li> <li>▪ Remote Keyless</li> <li>▪ Upgraded door trim</li> </ul>	<input type="checkbox"/> Reg./SC. Cab: <input type="checkbox"/> Crew:	832.00 1024.00
<input type="checkbox"/> 473	<b>Snow Plow Prep Package</b> -Requires 4x4 <ul style="list-style-type: none"> <li>▪ Upgraded Front Springs</li> <li>▪ Extra Heavy-Duty Alternator</li> </ul>		228.00
<input type="checkbox"/> 67H	Heavy Service Front Suspension – Heavy Service Front Springs		114.00

#### Options – Interior

<input type="checkbox"/> 43C	110V/400W Outlet		159.00
<input type="checkbox"/> 41A	Rapid Heat Supplemental Cab Heater (requires Diesel Motor)		228.00
<input type="checkbox"/> 39S	Sirius XM Radio		169.00
<input type="checkbox"/>	XLT Trim Package    Reg. Cab <input type="checkbox"/> Super/Crew Cab <input type="checkbox"/>		3662.00 4294.00
<input type="checkbox"/> 63A	Utility Lighting System (Requires Power Equipment Group)		146.00
<input type="checkbox"/> 18B	Platform Running Boards	<input type="checkbox"/> Regular Cab <input type="checkbox"/> Super / Crew Cab	292.00 405.00

#### Options – Other

<input type="checkbox"/> 872	Rearview Camera Prep Kit		377.00
<input type="checkbox"/> 76S	Remote Start (Requires Power Equipment Group)		228.00
<input type="checkbox"/> 52B	Trailer Brake Controller		246.00

#### Options – Fleet

<input type="checkbox"/> 17F	XL Décor Group (Chrome Front Bumper)		201.00
<input type="checkbox"/> 525	Cruise Control		214.00
<input type="checkbox"/> 942	Daytime Running Lights		41.00
<input type="checkbox"/>	Customizable Speed Limit                      (65 mph)      (75 mph)		72.00
<input type="checkbox"/> 60C	Lane Departure Warning		104.00
<input type="checkbox"/> 94P	Pre-Collision Assist with Automatic Emergency Braking		104.00





**Options – Accessories**

<input type="checkbox"/> 91S	LED Warning Strobes (Requires CHMSL / 59H)	614.00
<input type="checkbox"/> 595	Fog Lamps-req. 17F XL Décor Package	118.00
<input type="checkbox"/>	Rustproofing does not include sound shield	295.00
<input type="checkbox"/>	4 Corner Strobes	895.00
<input type="checkbox"/>	9' Electric Hydraulic Dump Body – Black Finish W/Dual Acting Hoist (Requires Hitch plate)	7239.00
<input type="checkbox"/>	Hitch Plate with Receiver and Plug	525.00
<input type="checkbox"/>	9' Steel Service Body – White Finish (Requires Hitch Plate )	7009.00
<input type="checkbox"/>	8'6" Western Snow Plow-includes Hand Held Controller	5,521.00
<input type="checkbox"/>	8'6" Boss Snow Plow	5,521.00
<input type="checkbox"/>	9' Western Snow Plow-includes Hand Held Controller	5734.00
<input type="checkbox"/>	9' Boss Snow Plow	5734.00
<input type="checkbox"/>	10' Western Snow Plow-includes Hand Held Controller	6063.00
<input type="checkbox"/>	10' Boss Snow Plow	6063.00
<input type="checkbox"/>	Snow Deflector (Requires Plow )	295.00
<input type="checkbox"/>	Detailed CD Rom Shop Manual	295.00
<input type="checkbox"/>	Delivery More than 50 Miles	175.00
<input type="checkbox"/>	License & Title – M Plates (Shipped)	203.00
<input type="checkbox"/>		



### Exterior

<input type="checkbox"/>	AT-Yellow-5 unit min Single units extended lead times	601.00
<input type="checkbox"/>	BY-School Bus Yellow	601.00
<input type="checkbox"/>	D1-Stone Gray	N/C
<input type="checkbox"/>	E4-Vermillion-5 unit min Single units extended lead times	601.00
<input type="checkbox"/>	GR-Green-5 unit min Single units extended lead times	601.00
<input type="checkbox"/>	J7-Magnetic	N/C
<input type="checkbox"/>	PG&E Blue-5 unit min Single units extended lead times	601.00
<input type="checkbox"/>	MB-Orange-5 unit min Single units extended lead times	601.00
<input type="checkbox"/>	N1-Blue Jeans Metallic	N/C
<input type="checkbox"/>	PQ-Race Red	N/C
<input type="checkbox"/>	UM-Agate Black	N/C
<input type="checkbox"/>	JS-Iconic Silver	N/C
<input type="checkbox"/>	W6-Green Gem-5 unit min Single units extended lead times	608.00
<input type="checkbox"/>	Z1-Oxford White	N/C

### Interior

<input type="checkbox"/>	Steel 40/20/40 Vinyl	STD
<input type="checkbox"/>	Steel 40/20/40 Cloth	91.00
<input type="checkbox"/>	Steel 40/Console/40 Vinyl- <b>No Armrest Included</b>	323.00
<input type="checkbox"/>	Steel 40/Console/40 Cloth- <b>No Armrest Included</b>	468.00



Title Name	_____
Title Address	_____
Title City	_____
Title Zip Code	_____
Contact Name	_____
Phone Number	_____
P.O. Number	_____
Fleet Identification Number	_____
Tax Exempt Number	_____
Total Dollar Amount	_____
Total Number of Units	_____
Delivery Address	_____ _____

**\*Orders Require Signed Original Purchase Order and Tax Exempt Letter Submitted to:**

*Currie Motors Fleet  
10125W Laraway  
Frankfort, IL 60423  
PHONE: (815)464-9200  
Tom Sullivan [Curriefleet@gmail.com](mailto:Curriefleet@gmail.com)  
Kristen De La Riva [Fleetcurrie@gmail.com](mailto:Fleetcurrie@gmail.com)*

***\*Fleet Status is accessible by registering at [www.fleet.ford.com](http://www.fleet.ford.com).  
Please provide FIN Code at time of order for you to track your order status. Title Corrections will be Billed Appropriate Assessed Fees by the Sec. of State.\*Vehicles are ordered and built as indicated on this tab sheet only. No other forms will utilized to process orders.***



255 W. Laura Drive  
Addison, IL 60101

Phone: 630.543.0330  
Fax: 630.543.9806

# QUOTATION

**Quotation #:** 69706  
**Date:** 01/13/20  
**Sales Person:** Jason

**BILL TO:**

Phillip Dziejewior  
Glenbard Wastewater Auth. 12920

21 W. 551 Bemis Road  
Glen Ellyn IL 60137  
(630) 790-1901

**SHIP TO:**

Same  
Ext- 135

Phone

<b>PO#:</b>	<b>Terms:</b>	
<b>NET:10</b>		
<b>Vehicle Information:</b>	<b>VIN #:</b>	<b>Serial #:</b>
<b>20 FORD F-350</b>		<b>P0138-20</b>
<p style="text-align: center;"><b>FURNISH &amp; INSTALL.</b></p> <p>KC132L2094J ENCLOSED UTILITY BODY: (54" WIDE FLOOR-20" DEEP COMPARTMENTS) Standard shelving consisting of 2 divider shelves for front verticals, one in rear vertical, one in curbside horizontal compartment, surface-mounted LED lights, Knap-Lined rear step bumper, rivetless latches w/ keyed lock cylinders, (2) LED cargo area dome lights, rear grab handle SOLID rear swing-out cargo doors, (2) drop-down rear pipe storage doors, and master-locking system. Factory-painted standard WHITE. 12275.00 CLEAR DOOR OPENING: 41.1" high x 49.5" wide ~ 50.5" interior clear ht. Install OEM back-up camera. 150.00</p> <p>Mechanics vise mount bracket, installed &amp; painted standard black. 210.00 LED compartment lighting, installed and wired to in-cab switch. 1265.00 Double manual drop-down ladder rack, powder-coated white &amp; installed. 2475.00</p> <p style="text-align: right;"><b>TOTAL -&gt; 16,375.00</b></p>		

Located in Addison, the Northwest Suburbs of Chicago, Alsip and in the South Suburbs, Regional Truck Equipment is an authorized distributor of Western Snowplows, Salt Spreaders, and Parts, Knapheide Bodies, Adrian Steel Products, as well as many others.

At REGIONAL TRUCK the customer comes first.

For best service call us now.  
630-543-0330

New Equip. Price	
Used Equip. Price	
Parts Price	
Subtotal	.00
Trade-In	
Total Taxable	
Sales Tax (8%)	
Labor	
Delivery	
FET	
Processing Fee	
Invoice Total	.00

To accept this quotation, sign here and return: \_\_\_\_\_

Quotation valid for 30 days.

REGIONAL MAKES NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED; AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. 1 1/2% Per Month (18% ANNUM) will be charged on unpaid invoices. \$25.00 charge on uncollected checks. All collection agency and legal fees are the responsibility of the customer. We reserve title to all merchandise until paid. Customer shall rely solely upon the manufacturer's warranty, if any. Any goods or property of the customer not picked up within ten days after the date shown on the invoice will incur a storage charge of \$14.00 a day. Any property not picked up within six months may be sold without notice, to satisfy storage charges.

REGIONAL TRUCK EQUIPMENT

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REGIONAL TRUCK EQUIPMENT



TRAILERS • HITCHES • TRUCK EQUIPMENT  
2600 WEST ROUTE 120 McHENRY, ILLINOIS 60051-4563  
(815) 385-2600 FAX (815) 385-6684

# QUOTE

Quote ID: Q21191

Quote Date: 2/3/2020

Quote Valid Until: 3/4/2020

Page 1 of 2

Sold to Customer: 113388

Contact:

Ship to Customer:

Taxable Misc. Cash Due

DZIEWIOR, PHILLIP

Contact: PHILLIP DZIEWIOR

Phone:

Email:

, IL

Salesperson: Steve Gould

Part Number	Description	Quantity	Unit Price	Amount
LABOR101	Body Installation	1 EA	\$1,000.00	\$1,000.00
LABOR106	Accessory Installation, OEM SUPPLIED REAR CAMERA	1 EA	\$250.00	\$250.00
20072690	Knapheide Vise Bracket	1 EA	\$252.00	\$252.00
LABOR106	Accessory Installation, VISE BRACKET PAINTED BLACK	1 EA	\$120.00	\$120.00
WG2505	Mounting Bracket, KUV	2 EA	\$196.59	\$393.18
WG70521	Kit, Handle & Coupling Replacement	1 EA	\$132.53	\$132.53
WG2295-3-01	EZ Glide2 Extended Drop Down	2 EA	\$909.13	\$1,818.26
LABOR106	Accessory Installation, LADDER RACK	1 EA	\$350.00	\$350.00
LABOR106	Accessory Installation, LED COMPARTMENT LIGHTS	1 EA	\$300.00	\$300.00
KC132L2094	11' Knapheide KUVCC STEEL SERVICE BODY	1 EA	\$12,230.00	\$12,230.00
20094550	INSTALL KIT	1 EA	\$0.00	\$0.00
26053249	KNAPLINED GALVA-GRIP STEP BUMPER	1 EA	\$250.00	\$250.00
26230169	LED COMPARTMENT LIGHTS	1 EA	\$795.00	\$795.00

Sub Total: \$17,890.97

Discount:

Sales Tax: \$1,230.01

Grand Total: \$19,120.98

Customer must fill out the information below before the order can be processed...

Accepted by:	
Date:	
P.O. Number:	

\* Terms are Due Upon Receipt unless prior credit arrangements are made at the time of order.

## Comments:

11' Knapheide KUVCC SERVICE BODY  
INSTALL KIT  
KNAPLINED GALVA-GRIP STEP BUMPER  
PAINTED WHITE



TRAILERS • HITCHES • TRUCK EQUIPMENT  
2600 WEST ROUTE 120 McHENRY, ILLINOIS 60051-4563  
(815) 385-2600 FAX (815) 385-6684

## QUOTE

**Quote ID:** Q21191

**Quote Date:** 2/3/2020

**Quote Valid Until:** 3/4/2020

Page 2 of 2

MOUNT OEM SUPPLIED REAR CAMERA

WISE BRACKET - PAINTED BLACK

LED COMPARTMENT LIGHTS  
WIRED TO SWITCH IN CAB

WEATHER GUARD  
DUAL DROP DOWN LADDER RACK  
WHITE IN COLOR

INSTALLED

2020 FORD F350 DRW

PRICES HAVE BEEN DISCOUNTED FOR PAYMENT BY  
CASH OR ILL. CHECK PAYMENT TERMS

DEPOSIT REQUIRED TO ORDER SERVICE BODY

LEAD TIME FOR SERVICE BODY



1245 Paramount Pkwy  
 Batavia, IL 60510  
 Phone 630-406-5700  
 Fax 630-406-5705

To Phillip Dziewior  
 Glenbard Wastewater Authority  
 945 Bemis Road  
 Glen Ellyn, IL 60137

Phone 630-790-1901

## QUOTE

QUOTE #	QTEQ1098
DATE	Feb 4, 2020

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	Knapheide KC132L2094	\$13,338.59	\$13,338.59
	KNAPHEIDE MODEL: KC132L2094 PER STANDARD SPECIFICATIONS BASE BODY: KC132L2094 Canopy Body ACCESSORIES: 26053249 94"GG STEP BUMPER KNAPLNR With Knap liner 77008837 Paint Knap White KC132 Interior and Exterior of body and cargo area painted Knapheide white. 20094550 Ford 60"+CA Install Kit		
	LED Compt Light 3Vert 1Hz		
	Mechanics Vise Bracket		
	(2) Labor to Install		
	Freight		
6	Labor to Install	\$85.00	\$510.00
1	Prime Design HRR-E-UM3-90-M	\$2,528.06	\$2,528.06
1	Freight	\$160.00	\$160.00
4	Labor to Install	\$85.00	\$340.00
		<b>SUBTOTAL</b>	\$16,876.65
		<b>SALES TAX</b>	\$1,204.00
		<b>TOTAL</b>	<b>\$18,080.65</b>

### Notes

Please contact me if I can be of further assistance.

To accept this quotation, sign here and return: \_\_\_\_\_

**Thank You For Your Business!**

## **SECTION 6.0**

# **CONTRACT APPROVAL – 2020 ELECTRIC SERVICE, BACKUP AND REDUNDANCY AND SITE LIGHTING PROJECT - CONSTRUCTION SERVICES**



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## MEMORANDUM

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**TO:** Executive Oversight Committee

**FROM:** Matt Streicher, P.E. BCEE

**DATE:** March 12, 2020

**RE: Request for Approval**  
2020 Electrical Service, Backup, and Redundancy and Site Lighting Project  
Construction Services



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In November 2017 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 Electrical Service, Backup, and Redundancy and Site Lighting Project.

Previous studies have identified the Authority's existing electrical power distribution system to be lacking several redundancy factors, the ability to properly maintain and monitor the system, and other deficiencies related to plant processes. Also, the existing system is nearing 40 years old, beyond its useful life, and evidence of its age is noticeable. The Authority has experienced four major electrical outages in the past 36 months, which points to a clear need for system rehabilitation and replacements. During design of this project, another issue arose, in which it was realized electrical conduits that are ran through the concrete UNOX deck are deteriorating and unable to be reused if wires fail. Therefore, since it's closely related in nature and to attempt to take advantage of an economy of scale, design of a new conduit system was included as an alternate in this bid.

Although in previous years capital budgets the design had been scheduled to occur in 2019 with construction in 2020, during planning for budget year CY2018 this project was moved up due to the failures. However, during design, this project saw several complications due to its complexity which caused delays, as well as other modifications to the scope that added time to the overall design. In addition, when it was realized it would not be bid out in an appropriate time frame to begin construction prior to winter, the bid was pushed into late February so the beginning of construction would coincide with Spring weather.

The project was advertised for bid on February 3, 2020, with a bid opening date of February 28, 2020. The bid tab results are as follows:

Name	Base Bid	UNOX Raceway Option 1	UNOX Raceway Option 2	UNOX Raceway Option 3	Range
Broadway Electric	\$4,633,000	\$125,000	\$175,000	\$150,000	\$4,633,000 - \$4,798,000
Meade Electric	\$5,220,900	\$141,800	\$138,600	\$257,900	\$5,220,900 - \$5,477,900

After checking references and receiving all the proper documentation, it is recommended the EOC award Broadway Electric 2020 Electrical Service, Backup, and Redundancy and Site Lighting Project Construction in the amount \$4,758,000 (base bid plus alternative 1). This amount will be taken out of the designated amount in Fund 40 Capital, which has a budget number of \$2.5M for this project, however the engineers estimate prior to the bid opening was up to \$3.5M.



Strand Associates, Inc.®  
1170 South Houbolt Road  
Joliet, IL 60431  
(P) 815.744.4200

March 4, 2020

Mr. Matt Streicher, Executive Director  
Glenbard Wastewater Authority  
945 Bemis Road  
Glen Ellyn, IL 60137

Re: 2020 Electrical Service Distribution System Rehabilitation and Upgrades  
Contract No. 1-2020  
Glenbard Wastewater Authority

Dear Mr. Streicher:

Bids for the above-referenced project were opened on February 28, 2020. Two bids were received with the resulting bid tabulation enclosed.

Broadway Electric, Inc. of Elk Grove Village, Illinois, was the apparent low bidder at \$4,633,000. The bid included a bid bond for 10 percent and Addendum No. 1 was acknowledged. The bid is deemed to be responsive.

Strand Associates, Inc.® has previously worked with Broadway Electric, Inc. on projects for the Village of Northbrook, Illinois. For those projects, the owner determined Broadway Electric, Inc. to be responsible.

If you determine that Broadway Electric, Inc. is a responsible bidder after your evaluation of their qualifications, we recommend proceeding with award of the Contract in accordance with Article 19 of the Instructions to Bidders.

Sincerely,

STRAND ASSOCIATES, INC.®

Andrew J. Runde, P.E.

Enclosure

2020 Electrical Service Distribution System Rehabilitation and Upgrades, Contract 1-2020, Glenbard (#6687631)

Owner: Glenbard Wastewater Authority

Solicitor: Strand Associates, Inc - Joliet

02/28/2020 01:00 PM CST

Section Title	Line Item	Item Code	Item Description	UofM	Quantity	Broadway Electric Inc	Meade Inc.	
						Unit Price	Extension	Unit Price
Lump Sum Base Bid							\$4,633,000.00	\$5,220,900.00
	1	LS	Lump Sum Bid	LS	1	\$4,633,000.00	\$4,633,000.00	\$5,220,900.00
Bid Alternative No. 1							\$125,000.00	\$151,800.00
	2	BA1	price shall be added to the Contract Lump Sum Base Bid if OWNER elects to have CONTRACTOR provide a deck-mounted cable tray system for future replacement feeder cables to UNOX equipment from the UNOX	LS	1	\$125,000.00	\$125,000.00	\$151,800.00
Bid Alternative No. 2							\$175,000.00	\$148,600.00
	3	BA2	This price shall be added to the Contract Lump Sum Base Bid if OWNER elects to have CONTRACTOR provide a deck-mounted concrete trough raceway system for future replacement feeder cables to UNOX equipm	LS	1	\$175,000.00	\$175,000.00	\$148,600.00
Bid Alternative No. 3							\$150,000.00	\$267,900.00
	4	BA3	This price shall be added to the Contract Lump Sum Base Bid if OWNER elects to have CONTRACTOR provide a combination of deck-mounted cable tray and concrete trough system for future replacement feeder	LS	1	\$150,000.00	\$150,000.00	\$267,900.00
Cash Allowances							\$38,770.00	\$99,400.00
	5	CA1	Allowance for Unanticipated Work (Section 01 29 00-Contract Considerations)	EA	1	\$25,000.00	\$25,000.00	\$25,000.00
	6	CA2	Medium Voltage Cable Replacement (Section 26 05 74-Power System Analysis, Inspection, and Testing)	LF	600	\$12.75	\$7,650.00	\$56.00
	7	CA3	Low Voltage Cable Replacement (Section 26 05 74-Power System Analysis, Inspection, and Testing)	LF	600	\$10.20	\$6,120.00	\$68.00
Base Bid Total:							\$4,633,000.00	\$5,220,900.00

**SECTION 7.0  
STRAND CONTRACT –  
AMENDMENT #2 –  
ELECTRICAL SERVICE,  
BACKUP, AND  
REDUNDANCY AND SITE  
LIGHTING PROJECT  
CONSTRUCTION -  
ENGINEERING SERVICES**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

**FROM:** Matt Streicher, P.E. BCEE

**DATE:** March 12, 2020

**RE: Request for Approval**  
2020 Electrical Service, Backup, and Redundancy and Site Lighting Project  
Construction Services



---

In November 2017 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 Electrical Service, Backup, and Redundancy and Site Lighting Project.

Previous studies have identified the Authority's existing electrical power distribution system to be lacking several redundancy factors, the ability to properly maintain and monitor the system, and other deficiencies related to plant processes. Also, the existing system is nearing 40 years old, beyond its useful life, and evidence of its age is noticeable. The Authority has experienced four major electrical outages in the past 24 months, which points to a clear need for system rehabilitation and replacements.

Although in previous years capital budgets the design had been scheduled to occur in 2019 with construction in 2020, during planning for budget year CY2018 this project was moved up due to the recent failures.

The Authority received four sets of qualifications and technical proposals in response to the RFQ/RFP that was sent out, at which point staff performed an initial review, and narrowed it down to two firms to invite for formal interviews. A member of the TAC, as well as Authority staff, participated in the interviews. After a process of evaluation and elimination, staff selected and the EOC awarded Strand Associates to perform the design work.

During design, this project saw several complications due to its complexity which caused delays, as well as other modifications to the scope that added time to the overall design. In addition, when it was realized it would not be bid out in an appropriate time frame to begin construction prior to winter, the bid was pushed into late February so the beginning of construction would coincide with Spring weather.

Due to the complexity of the project and the detailed design required, in addition to mostly satisfactory services provided by Strand and that this is a professional service, competitive bidding is not being performed for construction engineering services. After negotiations based

on requested services provided, it was determined that Authority staff can provide partial construction engineering services for some Administrative items, as well as day to day observation. Due to the civil and electrical expertise of GWA staff, GWA staff will be available to observe construction activities so that Strand's observation visits can be minimized. GWA staff would check in with the contractor on days when the contractor is on site, observe activities and progress, and keep Strand informed so that Strand's visits can be less frequent. Therefore, after negotiations were complete, Strand submitted a proposal to amend their contract to add \$133,100 for the construction engineering services, which is just under 3% of the construction costs. This includes site visits prior to all foundation and duct bank concrete pours, visits for all outages, and visit for punch list development and a final site visit after contractor says all punch list items are completed. Based on this scope, it is assumed up to 32 visits will be required. If the Authority did not have the ability to perform a portion of this work in-house, Strand would have generally required as many as 80 site visits for observation, and it would have increased the fee by roughly \$72,400.

Therefore, it is recommended the EOC authorize the Authority to approve Amendment #2 to the Contract with Strand for the purposes of Construction Engineering Services for the 2020 Electrical Service, Backup, and Redundancy and Site Lighting Project Construction in the amount \$133,100. This amount will be taken out of the designated amount in Fund 40 Capital, which has a budget number of \$250,000 for this project.

## **SECTION 8.0**

# **HIGH STRENGTH WASTE - STANDARD OPERATING PROCEDURE**



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## MEMORANDUM

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**TO:** Executive Oversight Committee

**FROM:** Matt Streicher, P.E. BCEE

**DATE:** March 12, 2020

**RE:** High Strength Waste Receiving Standard Operating Procedure  
**“Schedule A” Proposed Modifications**

---



At the January 2020 EOC meeting the modification of the existing High Strength Waste (HSW) Receiving Standard Operating Procedures (SOP) was discussed and it was explained how the Authority was able to safely receive greater amounts of HSW than it currently allows. To summarize, in April 2019 the EOC authorized increasing the allowable volume to be received. In the latter part of 2019, there were potential situations in which the Authority would have had to turn away haulers in order to not exceed the volumes allowed in the adopted SOP's, which would have been entirely unnecessary and could lead to steps backwards. In addition, the calculations demonstrated that a greater volume could be accepted. Therefore, since the program has been continuing to go well and no issues have arisen, the Authority is seeking to amend Schedule A of the SOP's again to allow for a greater volume of HSW to be received per day. All safeguards in the SOP's to prevent a digester upset will remain in place, and the Authority is not seeking to modify the SOP's, just the Schedule A calculations. Attached is the public posting package that contains several exhibits that demonstrate the modifications that are being requested.

Prior to seeking actual approval from the EOC for the proposed modifications, the Authority required having a 45-day posting period for public comment. This period was initiated after the January 2020 EOC meeting. The feedback received, along with the return correspondence, is attached to this memo. Although there is no clear approval, in the Authority's opinion, the feedback received does not merit cause to not move forward with the modifications.

Therefore, the Authority respectfully requests the EOC approve the modifications to the HSW SOP's allowing the Authority to receive 25,000 gallons of HSW on a daily basis (M-F, 7am-4pm, no holidays).



## **Glenbard Wastewater Authority**

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

January 13, 2020

Dear Neighbors and Community Members,

As many may recall, Glenbard Wastewater Authority in June 2016 completed a \$5 million Combined Heat and Power (CHP) project that allowed the Authority to recover some of the valuable resources contained within the wastewater we receive and treat. One effect of the project is that it allows the Authority to be greener by reusing resources in wastewater instead of contributing to the creation of greenhouse gases. It also allows the Authority to capitalize on lower energy costs and to receive revenue. That revenue helps to offset the \$5 million cost of the project and helps the Authority budget for future capital projects that typically would increase user fees at a faster pace.

In August 2017, the Authority's digestion process was upset due to improper codigestion methods while accepting of high strength wastes (HSW) and fats, oils, and greases (FOG). HSW and FOG were being received from outside sources in order to help the CHP yield greater results. Due to the digester upset, a temporary moratorium was put on accepting HSW/FOG until the cause of the upset could be properly identified and analyzed.

In April 2018, the GWA Executive Oversight Committee (EOC) approved the implementation of new HSW/FOG Receiving Standard Operating Procedures (SOPs) and lifted the moratorium on the acceptance of the material. These SOPs included installing an additional pump to allow for a steadier feed of HSW/FOG and setting limits on the volumes of HSW/FOG allowed to be received and fed to the digestion process. In 2016, when the program was first initiated, there were no limitations set on the amount of HSW/FOG the Authority could accept or feed to the digestion system. The SOPs set conservative restrictions on those amounts in order to reestablish confidence in the program.

Accompanying the SOPs was Schedule A, which contained mathematical calculations showing the appropriate amount of HSW/FOG waste the Authority could accept in the digesters based on strengths of materials accepted, strength of existing municipal materials being fed to digesters, volumes of digester storage, and volumes of receiving storage. All calculations were performed conservatively, and some were performed based on assumptions, since some parameters did not exist at the time.

Since their implementation, the SOPs have significantly improved the HSW/FOG program and have added many safeguards to the process. The SOPs have been being performed smoothly and with few complaints from staff, and they have demonstrated their effectiveness.

***Protecting the Environment for Tomorrow***

With the continued success of the new program, haulers who previously had become wary of coming to the Authority due to the likelihood of being rejected have started to reestablish relationships. During the past few months, there were potential situations in which the Authority would have been required to turn away haulers in order to not exceed the volumes allowed in the adopted SOPs. This would have been entirely unnecessary and could lead to steps backward in our relationships with our haulers. In addition, the calculations based on actual conditions continue to demonstrate that a greater volume could be accepted.

Therefore, since the program is going well and no issues have arisen, the Authority is seeking to amend Schedule A of the SOPs to allow another step increase for a greater volume of HSW/FOG to be received per day. It is important to note that although we are looking to increase the volume of HSW/FOG that we accept, limitations will be set, unlike when the program first started and there were none. It also is important to note that the feed or loading rate to the digesters will remain well within acceptable rates. The main purpose of this revision is so that we can use our storage capacity to the fullest and provide for a more continuous feed to the digesters. All safeguards in the SOPs to prevent a digester upset will remain in place, as the Authority is not seeking to modify the SOPs, just the Schedule A calculations.

Attached for your reference are exhibits demonstrating the requested modifications, along with an updated set of frequently asked questions. Also attached is the SOP language that will remain as is, along with the original FAQs document. As stated in the original SOPs, prior to seeking actual approval from the EOC for the proposed modifications, the Authority requires a 45-day posting period for public comment.

Therefore, we invite you to review this material and provide any feedback or questions to the Authority. After the 45-day public posting period, Authority staff will present the EOC with a final version of the calculations based on any feedback received and will then seek approval of the amended SOPs. It is anticipated that the Authority will seek approval from the EOC during its regularly scheduled meeting at 8 a.m. March 12, 2020, at the Glenbard Wastewater Authority.

We appreciate your time and concern in the matter, and we encourage you to contact us with any questions or requests for information. You may contact me directly at [mstreicher@gbww.org](mailto:mstreicher@gbww.org) or 630-790-1901, ext. 126.

Sincerely,

A handwritten signature in dark ink, appearing to read "Matt Streicher", with a long horizontal flourish extending to the right.

Matt Streicher, P.E. BCEE  
Executive Director  
Glenbard Wastewater Authority

Schedule A  
Sludge Production

Design Loading (Per 2007 Anaerobic Improvements Project)			Current Loading (April 2019 - May 2019)		
	Quantity	Units		Quantity	Units
Total Sludge Production	32,400	Pounds Total Solids (TS) per day	Total Sludge Production	8,698	Pounds Total Solids (TS) per day
Volatile Solids (VS) Production	24,300	Pounds VS Per Day	Volatile Solids (VS) Production	7,140	Pounds VS Per Day
Solids Concentration	4.3	%	Solids Concentration	3.0%	%
Flowrate	90,000	Gallons Per Day	Flowrate to digester	45,475	Gallons Per Day
			Percent VS	82.09%	%

Anaerobic Digesters (Digesters 1 & 2 are primary digesters. Digester 3 is a unmixed and unheated digester. Digesters 1 and 2 receive both primary sludge and waste activated sludge)

Digester Volumes		
	Quantity	Unit
Digester 1: Primary Digester	933,000	Gallon
Digester 2: Primary Digester	525,000	Gallon
Digester 3: Secondary Digester	375,000	Gallon
Total Volume of Digesters	1,833,000	Gallon
	245,053	Cubic Feet
Digester Loading Rates (Existing Performance)		
	Quantity	Unit
Volume of Primary Digesters	194,920	Cubic Feet
	1,458,000	Gallons
Current Primary Digester Municipal Loading Rate	7,140	Pounds VS Per Day
Organic Loading Rate	36.63	Pounds of VS Per Thousand Cubic Feet Per Day
Additional Allowable Digester Loading Rates (FOG)		
Per the Manual of Practice No. 11, Operations of Municipal Wastewater Treatment plants, a completely mixed anaerobic digester organic loading rate range is 100-400 Pounds of Volatile Solids Per 1,000 Cubic Feet Per Day (lb VS/kcf/d)		
	Quantity	Unit
Allowable Organic Loading Rate	100	Pounds of VS Per Thousand Cubic Feet Per Day
VS Loading Capacity	19,491.98	Pounds VS Per Day
Additional Capacity for Digestion of HSW	12,352	Pounds VS Per Day
Allowable Additional Volume of HSW at		Gallons Per Day
% TS (E-mail Report)	% VS (Email Report)	
6.58%	90.63%	
Digester Statistics		
	Quantity	Unit
Total Volume to Primary Digesters Including HSW	70,311	Gallons Per Day
Digester Detention Time	20.74	Days
Combined Municipal and HSW VS% IN	85.11%	Percent
VS% OUT (From OpsWorks: Monthly Metals: Cake)	61.30%	Percent
VS Reduction	72.28%	Percent

(MOP 11 states no less than 10-15 Days)

(MOP 11 states normal range is 40%-60%)

Below "Allowable" Volume

Increased from 20k/day to 25k/day

Typical Daily Schedule (all values are in gallons)							
	Monday	Tuesday	Wednesday	Thurs	Friday	Saturday	Sunday
HSW Volume Available to Start	40,238	33,958	27,678	21,398	15,118	8,838	27,558
HSW Volume Received into Holding Tanks*	25,000	25,000	25,000	25,000	25,000	0	0
HSW Volume Transferred to Digesters	18,720	18,720	18,720	18,720	18,720	18,720	18,720
Tank Volume Remaining in Holding Tanks**	33,958	27,678	21,398	15,118	8,838	27,558	40,238
* - Due to a typical HSW tanker being 5,000 gallons, volume added to holding tanks must be in 5,000 gallon increments							
** - If schedule is followed exactly, the holding tank would be emptied completely Sunday, resulting in the Total Volume Remaining to be the Total Available Volume							
If excess volumes occur, deliveries will be halted or reduced for an appropriate amount of time in order to make storage available again.							

HSW Transfer To Digesters Pump Operation		
Pump Speed (Variable Drive Percent Loading)	Gallons Per Minute	
5%	3-9	Due to HSW (especially FOG) being prone to creating blockages in the pipe, in order to allow for higher scouring velocities, the pump will be cycled on/off on an hourly
10%	18-20	
15%	25-35	HSW Transfer Pump Shall Operate at 100% (~130 gpm) for 6 minutes every hour of the day (Total Volume Transfer = 18,720 gallons per day)
25%	42-47	
50%	88	
75%	88	
85%	90-110	
100%	130-145	

Increased from 5 min/hr to 6 min/hr  
(15,600 GPD to 18,720 GPD)

Conservative Volume Safely to be Able to Transfer to Digesters  
Calculated Based Off Actual Conditions



## Glenbard Wastewater Authority

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

### High Strength Waste Operating Procedures Frequently Asked Questions

Glenbard Wastewater Authority, located in Glen Ellyn, Illinois, was formed in 1977 via an intergovernmental agreement between the villages of Lombard and Glen Ellyn. Its mission is to operate and maintain municipal wastewater treatment facilities, protect public health, and protect the environment for approximately 109,000 residents and businesses in Lombard, Glen Ellyn, Valley View/Butterfield, and Glen Ellyn Heights service areas. (See [www.gbww.org/about-us](http://www.gbww.org/about-us).)

In 2017, the Authority began processing High Strength Waste (HSW), including fats, oils, and greases (FOG). The FAQs below explain the benefits and procedures involved in the processing these materials.

#### 1. What are High Strength Waste (HSW) and Fats, Oils, Greases (FOG)?

High strength waste (HSW) can broadly be defined as wastewater that has more impurities in it than levels found in domestic wastewater, which is wastewater generated in homes. Glenbard Wastewater Authority (GWA) accepts only HSW generated during food processing or preparing. This includes waste such as grease-laden water generated by restaurant dishwashing, sugar- and grease-laden water from the recycling of expired soda pop, salad dressing and other food products, and clean-up water from food manufacturing, such as candy.

Fats, oils and greases (FOG) are a specific type of high strength waste. It is generated by restaurants during the preparation and clean-up of meals. Restaurants are required to have a grease trap to remove grease from dishwater to keep it out of sewers. Grease traps must be pumped out from time to time, and the material (food particles, oil, and grease) properly disposed of. FOG is a desirable high strength waste because it provides a lot of energy over a long period as opposed sugar wastewater, which provides high energy for short periods of time. This can be compared to how the human body reacts to protein versus sugar.

#### 2. Why does GWA want to accept HSW, including FOG?

The wastewater treatment process uses a lot of electricity, which accounts for a significant percentage of our operating costs. Just like for homeowners, rising utility costs are a concern. GWA is constantly looking for ways to be energy efficient and cost effective.

A byproduct of wastewater treatment is methane gas. GWA has upgraded parts of the treatment system to capture this gas and use it to generate energy to run the plant. However, domestic wastewater coming into the plant from the area's businesses and homes is not enough to generate all the energy GWA needs to operate. By accepting

*Protecting the Environment for Tomorrow*

HSW and FOG, GWA can generate a large portion of the energy it needs to run. The more energy GWA can produce, the less it has to pay for.

In addition to producing energy, the process generates heat. This heat is captured and used in the process instead of depending on natural gas boilers for heat. This further reduces our utility costs, helping to fund much-needed upgrades to aging equipment and contain sewer rates for all users of the system.

This process is a green initiative that helps preserve the environment. It keeps HSW and FOG out of landfills and turns it into renewable energy. It also reduces GWA's carbon footprint since a larger portion of the treatment process can be run by renewable energy.

**3. How is HSW/FOG turned into energy?**

Wastewater treatment at GWA is hugely dependent on micro-organisms or “bugs.” The bugs are in large, covered tanks called digesters. HSW/FOG are pumped into these tanks as food for the bugs. The bugs eat the grease, food particles, and sugars in the HSW/FOG and produce methane gas. The methane gas is then captured and processed through engines to generate electricity.

**4. Why is GWA opting to accept HSW and FOG again?**

After the biological upset during Summer/Fall 2017, a temporary moratorium restricted acceptance of these materials, with the anticipation of accepting it again after thorough investigation to ensure proper handling and addition of the material. Accepting HSW/FOG will allow GWA to produce more bio-gas (or methane, which is a natural byproduct of wastewater treatment), which in turn will allow for the generation of more renewable energy to use on site. Our mission is to both protect public health and preserve the environment, and this helps do both—in addition to saving money. The cost savings realized will assist GWA in paying for future improvements, helping to minimize costs for GWA customers.

**5. How did GWA put together the Standard Operating Procedures?**

GWA initially reached out to members of the public in an attempt to form an ad hoc committee, but only one volunteer came forward. As a result, the Authority could not assemble a proper committee. Therefore, GWA performed in-depth research on proper methods of receiving and adding the material to our own waste and formulated the results into a document. GWA staff also visited a neighboring wastewater treatment plant currently, and successfully, accepting HSW/FOG. Procedures that have worked successfully for this other facility were included in GWA's policy.

**6. What kind of preventative measures do the Standard Operating Procedures include?**

GWA will thoroughly vet haulers before allowing them to bring in material, as well as thoroughly analyzing the nature of the material they propose to haul in so as to ensure it is a suitable product. Once GWA has deemed a hauler and their material acceptable, the hauler will be issued a permit along with a copy of the SOPs. The hauler will be required to provide a “renders license” or sign an affidavit attesting that they will bring in only agreed-upon material. The volume will be carefully controlled, and each delivery will be sampled and inspected by GWA staff.

**7. What caused the offensive odor in August 2017, and what is GWA doing to try to prevent it from happening again?**

Plain and simple, the bugs were overfed. This caused a chain reaction that upset the treatment system—much like when you overeat or eat something that does not agree with you. The treatment process was still working, but because the system was upset,



it produced more hydrogen sulfide than normal. Human noses are extremely sensitive to the smell of hydrogen sulfide, and even though the odors were potent, the levels contained in the air were nonhazardous. GWA took air samples during this time period, and although the odors were detectable by the human nose, the levels of hydrogen sulfide in the air at the plant were too low to even register on the measuring devices.

**8. What has GWA done to prevent an upset from occurring again?**

The entire process has been thoroughly reviewed by GWA staff and consulting engineers, resulting in the following improvements:

- An additional pump was added to be able to continuously and slowly feed the digesters with the HSW/FOG, whereas, previously, a single pump was being shared between the receiving and digester loading steps of the process. This extra pump allows GWA to feed the bacteria more consistently instead of relying on the “feast or famine” method from having only a single pump.
- GWA staff visited a neighboring wastewater treatment plant that is successfully accepting HSW/FOG. Procedures that have worked successfully for this other facility are included in GWA’s new SOPs.
- Calculations regarding how much HSW/FOG can safely be added were reviewed and revised. Data collected from ten months of successfully accepting this waste were factored in to those calculations.
- Although GWA had a process in place to accept the HSW/FOG, the policy has been reviewed, refined, and formalized into SOPs. Safeguards have been incorporated in order to ensure limits on accepting HSW/FOG are closely regulated. [Click here to review GWA’s full SOP for HSW/FOG Receiving.](#)
- Additional laboratory testing will be done on HSW/FOG to determine how much food the bugs are receiving. This could be likened to tracking the calories in your food and staying within a certain number of calories per day to ensure a healthy diet.
- Additional and more frequent laboratory tests are being performed on the digesters themselves so that the Authority can be proactive in predicting the possibility of a potential upset and taking preventative measures prior to an upset.

**9. How will GWA know if a biological upset is going to happen again?**

Regardless of whether GWA accepts HSW/FOG, the possibility of an upset always exists, as this is a biological process much like human digestion. Just like every person has different tolerances and is prone to digestive upsets, GWA’s digesters have the potential of being upset even just from the normal domestic wastewater stream coming from our residents. However, as part of the SOPs, GWA will be more closely monitoring the biological health of the digesters. The procedures define a set of published standards on digester health, and GWA has set those standards to be even more conservative than recommended. If the health of the digester is approaching the limits of those standards, we can immediately begin taking preventative measures in an attempt to stop an upset from occurring.

**10. Who should we contact for further information regarding this process?**

You can always contact Matt Streicher, GWA’s Executive Director, with any questions. He can be reached by phone at 630-790-1901 ext 126, or via email at [mstreicher@gbww.org](mailto:mstreicher@gbww.org). GWA is always open to providing tours as well if you would like to come see the process first hand and learn more about wastewater treatment. During off hours, you can always call our main number at 630-790-1901 to be connected to an operator on call.



## **Glenbard Wastewater Authority**

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

### **Amended High Strength Waste Receiving Frequently Asked Questions**

Glenbard Wastewater Authority  
January 2020

**1. What do you mean “revised based off actual conditions?”**

When some of the parameters were originally calculated with the standard operating procedures, it was prior to some equipment actually being in operation, and therefore estimated or theoretical values were used. For example, when calculating the volumes of the tanks, exact dimensions of the tanks were used. Now, after using the system for a substantial amount of time, we realize that we actually cannot utilize the entire tank because of how the pumps operate, therefore the available volume of storage (tank volume) has been reduced. Also, the new transfer pump had not been used, so the pump speeds were based off values provided by the manufacturer. Again, after a substantial period of time using the pump, we realize that it is actually pumping at a higher rate than originally estimated.

The primary example of an estimated value that we are now replacing with an actual value is the percent total solids (%TS) and the percent volatile solids (%VS). The original numbers used in the calculations were very conservative theoretical values. Now, we routinely grab samples from each delivery, and perform laboratory analysis in order to calculate actual values to use. As demonstrated in the “Schedule A” calculation sheet, allowable loading rates used in the calculations are still being kept at very conservative values in order to error on the side of caution.

**2. The volume being transferred to the digesters is increasing by 20%. Is that too much?**

When the moratorium on accepting HSW/FOG was lifted in the Spring of 2018, the intent was to start off slow to ensure the process was understood, with the intent to slowly increase the program over a period of time. The biological calculations show that our digesters can actually accept quite a bit more HSW/FOG than the 20% increase we’re proposing, however we are being precautionous and increasing slowly. We may seek further increases in the future if we continue to demonstrate our success. The total volume of our digestion system is over 1.8 million gallons, and we are only seeking to add another 25,000 gallons over a weeks period (less than 1.4% of the total digester volume), so in the grand scheme it is a relatively small amount. It is also important to note that the feed or loading rate to the digesters is still well within an acceptable rate, the main purpose of this revision is so that we can use our storage capacity to the fullest and there can be a more continuous feed to the digesters.



**3. Will there be more truck traffic if this is allowed?**

Yes, there could be a slight increase in truck traffic. Typically, this material is delivered in tanker trucks that carry roughly 5,000 gallons each. Since we're only seeking to increase the allowable receiving volume by 5,000 gallons, that means we should only see about one more truck a day. Deliveries are only allowed Monday through Friday, from 7am to 4pm, and not on holidays.

**4. Will this generate more odors?**

The increase in volume of HSW/FOG received, and an increase in volume being fed to the digesters will not generate more odors. This system is entirely enclosed and not open to the air. The odors experienced in 2017 were due to the digester upset which has driven the creation of the more strict SOP. The odors that our neighbors experience during the late summer months are typically due to low influent flows of raw wastewater, not HSW/FOG, and are completely unrelated. However, as explained in the FAQ's for the standard operating procedures, the digestion process is a biological process, and is always subject to getting "upset" whether or not high strength wastes are added. This process is much like the digestion process of the human body, which can be very prone to getting upset, but also can be avoided with proper practices. While we perform every measure we can to prevent an upset, we need to disclose that an upset is always a possibility with or without HSW/FOG.

**5. Are the standard operating procedures changing?**

No, the actual standard operating procedures are not changing, just the biological and volume calculations. The Authority has had great success with the new standard operating procedures and intends to continue enforcing them. The intent of the procedures are to ensure we take thorough steps to monitor the stability of the entire system and document everything.

**6. Who should we contact for further information regarding this process?**

You can always contact Matt Streicher, GWA's Executive Director, with any questions. He can be reached by phone at 630-790-1901x126, or via email at [mstreicher@qbww.org](mailto:mstreicher@qbww.org). GWA is always open to providing tours as well if you would like to come see the process first hand, and learn more about wastewater treatment. During off hours, you can always call our main number at 630-790-1901, and be connected to an operator on call.

Month/Year	Gallons Received (Monthly)	Gallons Allowed (monthly/daily)
Oct-16	221,000	N/A
Nov-16	314,960	N/A
Dec-16	180,894	N/A
Jan-17	270,253	N/A
Feb-17	319,906	N/A
Mar-17	306,330	N/A
Apr-17	353,953	N/A
May-17	471,371	N/A
Jun-17	572,038	N/A
Jul-17	589,543	N/A
Aug-17	-	0
Sep-17	-	0
Oct-17	-	0
Nov-17	-	0
Dec-17	-	0
Jan-18	-	0
Feb-18	-	0
Mar-18	-	0
Apr-18	-	0
May-18	63,882	300,000/15,000
Jun-18	44,500	300,000/15,000
Jul-18	60,500	300,000/15,000
Aug-18	65,900	300,000/15,000
Sep-18	30,400	300,000/15,000
Oct-18	38,100	300,000/15,000
Nov-18	77,873	300,000/15,000
Dec-18	96,222	300,000/15,000
Jan-19	83,875	300,000/15,000
Feb-19	104,450	300,000/15,000
Mar-19	172,115	300,000/15,000
Apr-19	151,990	400,000/20,000
May-19	166,920	400,000/20,000
Jun-19	189,666	400,000/20,000
Jul-19	194,896	400,000/20,000
Aug-19	179,003	400,000/20,000
Sep-19	137,175	400,000/20,000
Oct-19	222,475	400,000/20,000
Nov-19	194,464	400,000/20,000
Dec-19	-	400,000/20,000
Jan-20	-	400,000/20,000
Feb-20	-	400,000/20,000
Mar-20	-	500,000/25,000
Apr-20	-	500,000/25,000
May-20	-	500,000/25,000
Jun-20	-	500,000/25,000
Jul-20	-	500,000/25,000

\* Digester Upset

\* Digester Recovered

\* Moratorium Lifted

\* EOC Approved Increase

\* Proposed Increase

	<b>STANDARD OPERATING PROCEDURE</b>	
	<b>HIGH STRENGTH WASTE RECEIVING</b>	
	Date Approved: March 8, 2018	Approved By: Glenbard Wastewater Authority Executive Oversight Committee

**PURPOSE:** A guide to qualify proposed digester feedstock and to safely and effectively accept the feedstock and process it for the purposes of co-generation. It is important to note that this is a biological process, and that while defining strict operating procedures, the possibility of an upset condition cannot be eliminated – only reduced. Staff shall not be held liable for an upset condition as long as these procedures are followed.

**SCOPE:** This Standard Operating Procedure (SOP) covers all aspects of receiving High Strength Waste (HSW). and is broken down into sections as detailed below.

It is desirable to use a single source hauler for delivery of high strength waste to the Authority so that greater control of delivery amounts and accountability of delivered materials can be had. However, as market changes may necessitate using more than one hauler or changing the sole hauler, included in this SOP is the process of qualifying additional feedstock and suppliers.

Part I	Staff Responsible: Environmental Resources Coordinator																			
Qualification of Feedstock																				
<div>1. HSW hauler will provide a complete description of the waste characteristics, including the following:<div><div>a. Waste type and origin. Type description to include general industry (food, medical, etc.)</div><div>b. A Laboratory analysis of the proposed feedstock waste must be submitted and reviewed. The hauler may provide the analysis from an independent laboratory or it may be analyzed by the Glenbard Wastewater Authority (GWA) laboratory staff at the hauler’s sole expense.</div><div>c. The analysis must contain the following parameters and be within the ranges indicated.</div></div></div>																				
<table><tr><td>Parameter</td><td>Minimum</td><td>Maximum</td></tr><tr><td>COD</td><td>30,000</td><td>N/A</td></tr><tr><td>pH</td><td>3</td><td>8</td></tr><tr><td>%VSS</td><td>60%</td><td>100%</td></tr><tr><td>Sulfates</td><td>0</td><td>350 mg/Kg</td></tr><tr><td>Volatile Fatty Acids</td><td colspan="2">Informational Purposes Only/No Limit</td></tr></table>			Parameter	Minimum	Maximum	COD	30,000	N/A	pH	3	8	%VSS	60%	100%	Sulfates	0	350 mg/Kg	Volatile Fatty Acids	Informational Purposes Only/No Limit	
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Volatile Fatty Acids	Informational Purposes Only/No Limit																			
<div>2. The Environmental Resources Coordinator (ERC) is responsible for reviewing the data provided and accepting or declining the feedstock based on the established range of parameters.</div> <div>3. The ERC may decline feedstock that meets the analysis criteria when there are other concerns, such as consistency or other risk factors.</div> <div>4. The Executive Director has the final approval or disapproval in all instances. The Authority has the right to refuse any feedstock or hauler at any time</div>																				

<b>Part 2</b>	Staff Responsible: Environmental Resources Coordinator
<b>Hauler Qualification</b>	
<ol style="list-style-type: none"> <li>1. Prior to delivering feedstock, proposed haulers must complete a permit application/contract agreement with GWA.</li> <li>2. Haulers must provide proof of insurance with the following minimum coverage: <ol style="list-style-type: none"> <li>A. Comprehensive General Liability Insurance covering personal injury, bodily injury, property damage, and contractual liability in the amount of One Million Dollars (\$1,000,000) for each occurrence and Two Million Dollars (\$2,000,000) aggregate per policy period;</li> <li>B. Comprehensive Automobile Liability Insurance covering personal injury, bodily injury and Property damage with a minimum combined limit of One Million Dollars (\$1,000,000).</li> <li>C. Worker's Compensation insurance in the minimum amounts required by statute.</li> </ol> </li> <li>3. A certificate or certificates of insurance naming THE AUTHORITY, the Village of Lombard and the Village of Glen Ellyn as additional insured parties. The certificate or certificates shall reflect the above coverages and shall be in effect at all times. Updated certificates of insurance shall be submitted annually to the Authority.</li> <li>4. Haulers must provide a "renders license" or sign an affidavit certifying they only transport material agreed upon.</li> <li>5. The ERC is responsible for reviewing the information submitted and recommending that the hauler be approved or disapproved.</li> <li>6. The Executive Director has the final approval or disapproval in all instances.</li> </ol>	
<b>Part 3</b>	Staff Responsible: Operations Department
<b>Feedstock Receiving</b>	Back-Up Staff: ERC
<ol style="list-style-type: none"> <li>1. The ERC should make all efforts possible to schedule deliveries ahead of time, and convey this schedule to Operations on a daily basis or as mutually convenient.</li> <li>2. Haulers must stop at gate and push button to announce arrival and open the gate.</li> <li>3. A member of the Operations Department will meet the hauler at the receiving station to unlock it.</li> <li>4. Prior to unlocking the station to commence discharge, the operator must check the daily log to ensure that there is capacity and the maximum volume of waste received will not be exceeded by the acceptance of the load. The criteria for the maximum volume of waste allowed to receive will be found in Schedule A of these SOP's.</li> <li>5. The hauler is to provide a completed manifest for the load.</li> <li>6. The hauler must fill out the label on a GWA provided sample container and use the container to grab a sample of the load as it is discharging.</li> <li>7. Sample jars are to be provided by the Authority with labels.</li> <li>8. The sample is to be placed in the small refrigerator that is located near the desk in the garage of the press building (Building P).</li> <li>9. A member of the Operations Department will observe the discharge to check for possible contaminants.</li> <li>10. Should the load appear to be contaminated, the operator must stop the hauler from discharging anymore of the suspect load.</li> <li>11. When the discharge is complete, the operator will re-lock the station.</li> <li>12. Once the maximum amount of HSW is received for that day, the operator must communicate this to the ERC and the administrative secretary in order to divert any further loads.</li> <li>13. If there is failure in equipment associated with the receiving, maintaining, or transfer of the High Strength Waste, additional hauling will be ceased immediately until such equipment is repaired.</li> <li>14. Deliveries will only be received when full time staff is present, i.e. M-F 7am-4pm, excluding holidays.</li> </ol>	

<b>Part 4</b>	Staff Responsible: Operations/Laboratory
<b>Processing of HSW Samples</b>	
<ol style="list-style-type: none"> <li>1. At the end of each day, a member of the Operations Department is to collect all load sample bottles from the refrigerator located in Building P, ensure they are labeled properly, and place them in the laboratory refrigerator in the designated area.</li> <li>2. Laboratory staff is to ensure that if there are multiple haulers throughout a month that the random samples reflect each of the haulers.</li> <li>3. If the Authority is to receive loads from multiple haulers, the results of these random samples will be entered into OPS works in the HSW worksheet.</li> <li>4. All samples are to be saved for thirty (30) days, and at the end of the thirty (30) day period composited and analyzed for total solids and volatile solids.</li> <li>5. The results of this composited sample are to be entered into OPS works on the Digester Volatile Acids worksheet and used to calculate the amount of volatile solids being sent to the digester. This will be used to determine if an appropriate amount of HSW is being sent to the digesters and will be evaluated monthly, or if/when a new waste stream is introduced.</li> <li>6. Laboratory staff is to take a sample of the digester three times a week (Monday, Wednesday, and Friday) at consistent times and analyze it for the acids to alkalinity ratio. This data is to be recorded in the "Volatile Acids Binder," as well as the Digester Volatile Acids worksheet in the database management software (currently OPS Works).</li> <li>7. The Laboratory Services Coordinator and/or Operations Superintendent is responsible for reporting any changes to the acids to alkalinity ratio outside above 0.15 to the Operations Superintendent and Executive Director immediately, and feeding of High Strength Waste to the digester will immediately be ceased. In this event, more frequent digester sampling will be taken as needed to more closely monitor the health of the digester and ensure upset conditions are not occurring. This range has been determined based on existing data from extended time periods when the Authority's digesters are operating without issue.</li> <li>8. If the acids to alkalinity ratio range exceeds allowable limits, and/or the acids go above 200 mg/L, in a 24-hour period, feeding of High Strength Waste to the digester will immediately be ceased. In this event, more frequent digester sampling will be taken as needed to more closely monitor the health of the digester and ensure upset conditions are not occurring.</li> <li>9. In the event of any upset conditions, the collected samples may be analyzed to determine if any potential containments were introduced via the high strength waste loads. Investigative work would be performed based on the type of upset condition that occurred, and if any unusual or suspect loads were received.</li> </ol>	
<b>Part 5</b>	Staff Responsible: Executive Director/ Operations Department
<b>HSW Daily Loading</b>	
<ol style="list-style-type: none"> <li>1. The Executive Director shall work with the Authority consultants to determine the maximum daily HSW volume that may be received, and that may be transferred to the digesters.</li> <li>2. The determination of allowable volume to be transferred to the digesters will be made based on volatile solids loading bases, volume of storage available in the digesters, an acceptable feed rate to the digesters and resultant, empirical digester process testing.</li> <li>3. The determination of allowable volume to be received will be made based on the volume of HSW allowed to be transferred to the digesters, the volume of storage available, and acceptable feed rates to the digesters in accordance with calculations defined in the attached "Schedule A."</li> <li>4. These calculations will be reviewed periodically for potential adjustment based on: <ol style="list-style-type: none"> <li>(a) Changes in the volatile solids loading base.</li> </ol> </li> </ol>	

(b) Changes in equipment or process changes.

(c) Changes in the normal range of the volatile acids to alkalinity ratio.

5. The HSW Transfer pump to the digesters will be programmed to cease operating when the maximum allowable volume determined in Schedule A has been transferred to the digesters.
6. The HWS Transfer Pump (gallons per minute and duration) shall be programmed to pump at a consistent rate throughout the day according to calculations determined on Schedule A
7. The Authority, along with its consultants, have determined the maximum volumes of HSW allowed to be received and transferred to the digesters are defined in the attached Schedule A. These calculations are to be reviewed every 12 months and subject to change.
8. If changes are made to the high strength waste calculations/receiving/transfer amounts, a notification will be posted publicly on the Authority's website 45 days ahead of time, and notices will be sent via email to the Authority's subscribed email addresses, in order for there to be a public review/comment period.
9. Daily transfer rates to the digesters shall be in accordance with Schedule A in order to reduce the potential of a biological upset.

**From:** [Matt Streicher](#)  
**To:** [richard.wagner](#)  
**Bcc:** [Thomas Romza](#)  
**Subject:** RE: FOG  
**Date:** Tuesday, January 14, 2020 6:11:00 AM

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Dear Mr. Wagner,

The successful year was meant in terms of the high strength waste receiving program, whereas we continued to operate the program very successfully, without incident or odor related to that particular program. I have a couple of response to your comments; mainly in that both in terms of odor complaints and internal inspections (staff periodically checking for odors ourselves both inside the plant and surrounding neighborhoods), and that it was noted that odors were significantly reduced in 2019. We do not simply wait for odor complaints, we do survey the areas on a routine basis, and attempt to be as proactive as reasonably possible. There were several reasons for the reduced odors this past year, with the biggest being that 2019 was a very wet year, so that helped the incoming flows be more dilute and cooler in temperature. Also, after the digester upset in 2017, the Authority enacted a set of standard operating procedures for when conditions do make for a possibility of stronger odors – so this assisted staff in taking proactive measures to mitigate odors as much as possible during the times that we were experiencing conditions when odors were at a greater potential. All odors that have been experienced since the digester upset in 2017 have been solely related to the raw wastewater stream coming into the plant, and not related to the high strength waste receiving program, or the Authority's digestive system. I know that you have been a long time resident here, so I'm sure that you are aware that unfortunately due to the nature and size of our facility, it is nearly impossible to be odor free 100% of the time.

We've continually taken measures in order to attempt to accommodate our neighbors. In 2018 and 2019 the Authority continued to install more odor neutralization systems in various areas of the plant in an attempt to further mitigate odors. This past fall we also installed more natural vegetation along our Bemis Road property line in an attempt to create more of a buffer. We have continued to be as transparent as possible and communicate with our neighbors as well.

I will certainly pass your comments onto our Executive Oversight Committee, which is the group that ultimately directs our operations (similar to a board of trustees), and would also invite you to a future meeting if you would like. We do have several large scale projects in our capital plan to install more robust, and more expensive, odor control systems that should help address the odors that our neighbors still do experience due to low flow conditions and the general nature of our operations. However, these projects are complex in nature and take time to plan for, design, and construct.

As always, please feel free to contact me for any reason.

Thanks,  
Matt Streicher P.E., BCEE  
Executive Director  
Glenbard Wastewater Authority  
945 Bemis Road

Glen Ellyn IL, 60137  
O 630-790-1901 x126  
F 630-858-8119  
C 630-865-5893  
Web Site: [www.gbww.org](http://www.gbww.org)

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**From:** richard wagner <rikwa2005@yahoo.com>

**Sent:** Monday, January 13, 2020 2:32 PM

**To:** Matt Streicher <mstreicher@gbww.org>

**Subject:** FOG

Successful last year !!!!!!!!!!!!!!! You Stunk ALL last year. I am upwind of you, most of the time. Do you really want to piss all of us all over again?

Is it really gonna be worth the extra money? I know we will have to spend our private money to fight you while you spend our taxpayers money for your Bad decisions so it costs you Nothing. And our home values suffer because of you.

Do you really have to go here?

Rick Wagner  
875 Bemis Rd.



**From:** [Matt Streicher](#)  
**To:** [Bonnie Buckley](#)  
**Bcc:** [Thomas Romza](#)  
**Subject:** RE: Increased FOG daily limit  
**Date:** Wednesday, January 15, 2020 6:36:00 AM

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Hi Bonnie,

Congratulations on your retirement! I received the auto response from your Hilton email, as I believe it is registered on our e-blast list. That is a tremendous accomplishment, I hope you are enjoying it so far!

Thank you for your input in regards to the proposed High Strength Waste (HSW) receiving intake. We did attempt to pre-emptively answer questions such as yours, although I know the document itself was quite lengthy, so I could understand things may have been looked over. As seen on page 8 of the document provided in the link in the eblast (<https://www.gbww.org/wp-content/uploads/2020/01/Final-Public-Posting-Package.pdf>), we would anticipate an increase of roughly one truck per day. Typically the trucks carry up to 5,000 gallons each, so since we're only increasing the allowed volume by that amount, we would only expect to see one additional truck per day. Also, we do not intend to ever receive FOG/HSW during non-working hours or weekends, since we require staff be present while we receive this material for a number of reasons. With a total of 25,000 gallons allowed per day, we would expect to see a maximum total of around 5 trucks per day, if we were receiving the maximum allowed (which isn't normally the case).

I would be more than happy to initiate conversations and advocate the installation of a sidewalk along Bemis Road as soon as possible. I agree, having sidewalks would greatly increase safety, as I noticed unsafe conditions even driving my personal vehicle (kids have run out after their balls!) – so that safety issue only increases with the volume of truck/construction traffic we require at our facility. It is in my best interest to advocate for our neighbors here in the neighborhood. Also, as part of this public notification process, I am required to share all correspondence I receive with our Executive Oversight Committee, which has four Village of Glen Ellyn members on the committee (the Village Manager, Director of Public Works, and two elected trustees) – so they will also see your feedback. Therefore, we will have at least two Village Board members together during the discussion, and I will encourage those board members that we involve more board members from the Village. Since Bemis road was incorporated, I am aware the Village does have plans to rehabilitate it, and add street lights, curbs, and sidewalks – but I am unsure as to when they plan to do that.

As always, I thank you for your input, Bonnie, and always feel free to contact me for any reason.

Thanks,  
Matt Streicher P.E., BCEE  
Executive Director  
Glenbard Wastewater Authority  
945 Bemis Road  
Glen Ellyn IL, 60137

O 630-790-1901 x126

F 630-858-8119

C 630-865-5893

Web Site: [www.gbww.org](http://www.gbww.org)

**From:** Bonnie Buckley <bjbtab@gmail.com>

**Sent:** Tuesday, January 14, 2020 4:27 PM

**To:** Matt Streicher <mstreicher@gbww.org>

**Subject:** Increased FOG daily limit

Matt,

Thanks for the update regarding the possibility of an increase in FOG intake. Based on the amount of increase in product volume, what is the anticipated increase in truck traffic? How many more in/out trips per day, Monday - Friday (plus weekends if you are opening that opportunity), are anticipated to reach the new daily limit? What is the total estimated number of trucks per day (by day)?

The one thing I will ask on behalf of our residential neighborhood is that the GWA in earnest will initiate sincere conversations with the Village of Glen Ellyn to install a sidewalk along Bemis Road as soon as possible. Many of us are daily walkers (sometimes with our small pets) and must share the road with these trucks. Kids on bikes must share the road with these behemoths. Children playing in their driveways may chase after an errant ball that makes its way onto Bemis Road. Safety is so important, and increased heavy-load traffic will cut into our safety on Bemis Road. It is simply an increased risk ratio that we as a residential neighborhood must deal with so GWA can increase capacity.

Are you able to bring any Village Board members together to address the sidewalk possibility with our neighborhood residents?

Thank you in advance for your consideration. I look forward to hearing back.

--

Bonnie Buckley  
389 Danby Drive  
Glen Ellyn, IL 60137

630-261-5024

630-858-7693

**From:** [Matt Streicher](#)  
**To:** [bhpohlman@sbcglobal.net](mailto:bhpohlman@sbcglobal.net)  
**Bcc:** [David Goodalis](#); [Thomas Romza](#)  
**Subject:** FW: New submission from Contact Us  
**Date:** Friday, January 31, 2020 6:03:00 AM

---

Dear Ms. Pohlman,

I apologize for the odors you've experienced. After receiving your yesterday afternoon, we did travel North down Sunnybrook later in the afternoon, and did not detect any odors at that time. However, the wind that had been coming out of the South most of the day had started to dwindle down, so it's possible they were no longer present. We do have staff continually on-site checking and reporting if odors are detected, and do attempt to take preventative measures if we do detect odors. We'll have staff look into it further today to see if we can discover any sources, and if so, we will take further preventative measures.

Due to the size and nature of our facility, odors will always be generated to some degree, and depending on wind, weather conditions, and other factors they may be more detectable to our neighbors at certain times. As seen on our website, we have standard operating procedures to attempt to prevent odors from leaving the plant, and take measures to try and mitigate them as much as possible. The high strength waste we accept is completely enclosed, so when odors are detected, the majority of the time that material is not the source – it is primarily the wastewater stream coming into the plant and treatment process itself.

I encourage that you call us immediately next time you detect them so we can attempt to identify exactly where they are coming from. We do make every attempt to prevent odors from escaping the plant, and will respond the best that we are able to.

Please feel free to contact us for any reason.

Thanks,  
Matt Streicher P.E., BCEE  
Executive Director  
Glenbard Wastewater Authority  
945 Bemis Road  
Glen Ellyn IL, 60137  
O 630-790-1901 x126  
F 630-858-8119  
C 630-865-5893  
Web Site: [www.gbww.org](http://www.gbww.org)

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**From:** Glenbard Wastewater Authority <admin@ideamktg.com>  
**Sent:** Thursday, January 30, 2020 3:13 PM  
**To:** Rick Freeman <rffreeman@gbww.org>  
**Subject:** New submission from Contact Us

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**Name**

Helen Pohlman

**Email**

[bhpohlman@sbcglobal.net](mailto:bhpohlman@sbcglobal.net)

**Phone**

(630) 790-9720

**Subject**

Odor

**Message**

This winter the treatment plant has smelled most days. Today - all the way down by Jenna.  
This should be taken care of BEFORE you accept additional waste products. We are so tired of the  
smell.  
PLEASE!!!

# **SECTION 9.0**

## **DISCUSSION**

## **SECTION 9.1**

# **CAPITAL IMPROVEMENT PROJECTS UPDATE**

# Capital Improvements Projects Update

- FIP
- Admin HVAC
- Medium Voltage Electrical Grid
- Biosolids Dewatering Rehab/Improvements

# FIP Project Update

- Filter Building
  - Indoor Punchlist Progress 98%
  - Chemfeed – Installed and able to run, but check-valve issues
- New Raw Pump Building:
  - All external boxouts are completed.
  - A few leaks at the jet grouting penetrations, Boller working on solution.
    - Dewatering continuing until leaks are resolved. No meters on pumps.
  - Low-flow pumps/piping in place. First Shut down completed.
    - Controls are in progress.
  - Doorway from old building to new has been cut.
- HVAC Work – Building A and C
  - Building A needs adjustments to avoid “shorting” the heating system.
  - Building C needs adjustments to exhaust fan due to loud operation.
- Updated Schedule received – July 08, 2020 substantial completion





# HVAC Project Update

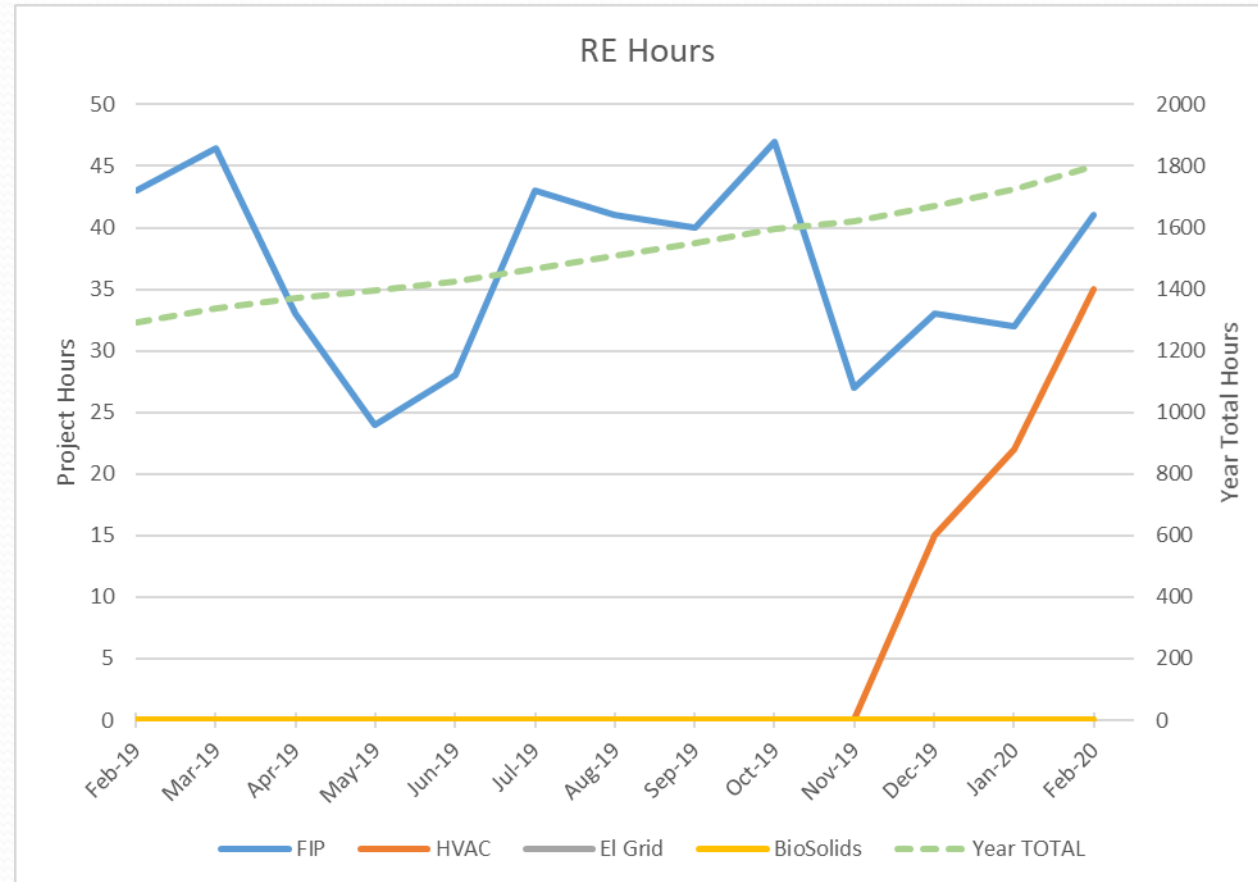
- Ceiling grid removed, new partially installed.
- Most duct demo has been completed, new duct partially installed.
- New VAVs installed.
- New AHU Unit installed.
- Electrical wiring/programming continues.
- Two complete shutdowns of the building have been completed (Saturdays).

# Med Voltage Electric Grid Project Update

- Construction Bids are in...
  - Broadway Electric - \$4,633,000
  - Meade - \$5,220,900
- Underground Work scheduled to be completed by Nov 2020, full project completed 2021.

# Biosolids Improvement Project Update

- Design in progress.
  - Rehabilitation selected over replacement of BFPs.
    - No benefit for extra \$\$\$.
  - SRF Funding looking promising.



\* NOTE – Each individual department has additional RE hours for each project.  
 Electrical – ~10-15 hours/week on HVAC and FIP  
 Maintenance – ~10 hours/week on FIP  
 Operations – ~5 hours/week on FIP



## **SECTION 9.2**

# **USP TECHNOLOGIES PILOT**

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## MEMORANDUM

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**TO:** Executive Oversight Committee  
**FROM:** Matt Streicher, P.E. BCEE  
**DATE:** March 12, 2020  
**RE:** USP Technologies Pilot Study

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In January 2020 the Authority was approached by USP Technologies in regards to chemical additions to the treatment process that could assist with operational aspects of the biological process, such as odor control. Due to the sensitive nature of odors, and the possible avoidance of capital improvements by using chemical systems, the Authority agreed to meet with the company.

USP Technologies is a provider of peroxygen-based technologies and full-service chemical treatment programs for municipal and industrial water and wastewater treatment applications that provide low-risk, value-added solutions to their customers. They have been in business for over 20 years and presently manage over 200 chemical applications that treat close to a cumulative one billion gallons. They provide either turn-key solutions where they maintain and operate chemical dosing systems, or they can simply be the provider of the materials and technology, which end users could own and operate.

After further discussion, Authority staff agreed to allow USP to perform bench testing at their own cost, where they simply came in and ran laboratory analysis on the Authority's influent water to determine its characteristics. After obtaining results, USP was confident they could provide services that would remedy any odor issues, and requested to move forward with a pilot study which would again be at their own cost with no obligations on the Authority's part. After the bench testing, USP estimated that chemical addition to remedy odor issues could be in the range of \$50,000/year as an O&M expense (no capital investment), but would have to perform the pilot testing to develop a more accurate cost. The Authority would also have the ability to only dose with chemical during times when odorous conditions are a possibility. Therefore, the Authority would like to move forward with allowing them to perform the pilot testing, although it's been requested that they perform the testing when odorous conditions are likely in order to determine if it truly is an effective solution.

This was discussed with the TAC, who was in full support, and advised that the EOC be made aware of this pilot. If successful, prior to entering into any sort of agreement, future proposals would be brought forward to the TAC and EOC again – however, no approval is needed at this time.

## **SECTION 10.0**

# **OTHER BUSINESS**



## **SECTION 10.1**

# **TECHNICAL ADVISORY COMMITTEE UPDATES**

**JANUARY 16, 2020**



## Glenbard Wastewater Authority

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

### GWA Technical Advisory Committee (TAC) Meeting Minutes

January 16, 2020 9:30am

Present: Village of Glen Ellyn Public Works Director Julius Hansen, Village of Lombard Public Works Director Carl Goldsmith, Matt Streicher

#### 1. Long Term Strategy for Funding Capital Needs

- a. Capital Planning
- b. Attached excel Spreadsheets to be presented

*Mr. Streicher presented the attached spreadsheets to the TAC demonstrating the anticipated loans that would be needed in order to keep the capital contribution increases to a minimum through 2040. Mr. Streicher explained that some greater increases (3%, 2.5%) would be needed for the next couple of years due to the capital funds being depleted, but afterwards the contribution increases could be as little as 0.5% until 2040 – although Mr. Streicher warned against minimizing increases in order to build a good reserve. Mr. Goldsmith suggested that Mr. Streicher put together a chart showing capital contribution increases vs. inflation rates for the past 10 years to demonstrate that the recent increases have barely kept up with inflation. Mr. Streicher indicated that his plan was to formalize these documents a little more, and then schedule a meeting with each Village's finance directors to gain their acceptance of the strategy. This would fulfill one of Mr. Streicher's KPI's*

#### 2. Other Business

- a. FIP Update

*Mr. Streicher informed the TAC that the contractor was currently working on filling in the 3<sup>rd</sup> layer of boxouts, and that planning had begun for when the new pumps will be installed, and the plant will need to be shutdown overnight.*

- b. Electrical Grid Design Update

*Mr. Streicher informed the TAC that the design engineer had recently shared 95% progress drawings/specs with GWA, and the plan was to advertise this project to bid by early February, with a bid opening in late February, and recommendation for award at the March EOC meeting. The TAC asked what the anticipated completion for this project is, Mr. Streicher indicated not until summer 2021. Mr. Goldsmith suggested requests for bids only be sent to contractors who have been prequalified for this project due to it being unique in nature. Mr. Streicher replied that instead of inviting only specific firms, any contractor can bid, but they will have to be prequalified in order to bid.*

- c. HVAC Project Update

*Mr. Streicher updated the TAC that the contractor is currently demoing the existing HVAC system and is still on track to reach substantial completion by early spring, and final completion in late spring*

- d. Biosolids Dewatering Improvements Update

*Mr. Streicher provided a very brief update to the TAC that the design engineer is still in the conceptual phase of design and evaluating the option to refurbish the belt filter presses or replace them. Although refurbishing them may be the cheaper option, it may not be feasible with some design changes that may be made.*

- e. NPDES Permit Renewal Update

*Mr. Streicher updated the TAC that GWA staff is scheduled to meet with B&W next week in order to go over the permit application and have B&W instruct GWA staff on how to complete it for future applications. The permit application will be submitted to the IEPA around March.*

- f. Hypochlorite Over Charges

***Protecting the Environment for Tomorrow***

*Mr. Streicher explained to the TAC that Alexander Chemical, with whom GWA has a good relationship with, had increased chemical prices at the beginning of 2019 – which was not allowed per contract. They have realized their mistake and will credit us on our first invoice in 2020*

g. Drone Purchase

*Mr. Streicher indicated to the TAC that GWA has purchased a drone that is to have many uses; mainly being construction observation, and having the ability to georeference aerial photos into GWA's GIS system, along with several other uses. Mr. Streicher indicated GWA will register the device with the FAA and has licensed pilots already on staff that can obtain an unmanned aerial certificate. Mr. Streicher also offered to assist both Village's if they ever had a use for a drone.*

3. Old Business

a. Future GWA Legal Representation

i. RFP Review (attached)

*Mr. Goldsmith provided an edited version of the RFP for use. Mr. Hansen suggested having the Village of Glen Ellyn's attorney, Greg Mathews, review the RFP as well and copy the Village Managers when sending it to him so they can view it too. The goal is to send out the RFP within the next month or so.*

b. Flow Monitoring Report Meeting

*Mr. Streicher informed the TAC that Mr. Romza still intends to schedule a meeting with the two Village's and RJN.*

c. Manhole/Sewer Inspection Reports

*Mr. Streicher informed the TAC that GWA is still waiting on final reports from RJN for the manhole inspection and Red Zone Robotics for the sewer inspection.*

d. PT Operator Position

*GWA informed the TAC that VOG HR has brought up some FSLA issues with both existing and proposed part-time employees. Due to personnel matters, these issues will not be being posted in these minutes.*

e. SWIFTCOMPLY

*Mr. Streicher informed the TAC that GWA's Environmental Resources Coordinator has been working with both Village's communications departments to issue letters to all the food service establishments notifying them of the new program to manage FOG.*

f. On-Call Discussion

*Not discussed*

g. Discussion pertaining to future development of IGA Language for

*GWA Interceptor vs Village's Collection Systems start and stop points.*

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

*Not discussed*

JOHQEDUG#ZDVVHZDWHU#DXWKRULW\#IXQG#73#FDSLWDO#SODQ

REVENUE in Thousands \$		CY(2020)	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)	CY(2031)	CY(2032)	CY(2033)	CY(2034)	CY(2035)	CY(2036)	CY(2037)	CY(2038)	CY(2039)	CY(2040)	CY(2041)
	Estimates	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing	4	1500	1870	2100	2300			4800				30000	0	0	0	0	0	0	0	0	0	0	0
Investment Income		10	10	10	10	10	10	10	10	10	10	10	10	20	20	20	20	20	20	20	20	20	20
Glen Ellyn Conn Fee		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Lombard Conn Fee		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Demand Response Program	5	26	26	26	27	27																	
Leachate Revenue	6	120	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
Fats Oil & Grease (FOG) / Industrial Waste Tipping Fee	7	80	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Cell Tower Revenue	8	75	83	88	93	99	105	111	118	125	132	140	149	158	167	177	188	199	211	224	237	251	266
Operating Surplus Transfers	9	0	0																				
Pretreatment Fines		0	0																				
Misc. Revenue		2	1	1	1	1	1	1	1	1	1	1	1	10	10	10	10	10	10	10	10	10	10
Capital Fund Contribution - Glen Ellyn		1636	1688	1738	1782	1826	1863	1872	1881	1891	1900	1910	1919	1929	1939	1948	1958	1968	1978	1988	1997	2007	2017
Capital Fund Contribution - Lombard		1899	2063	2125	2178	2232	2277	2288	2300	2311	2323	2334	2346	2358	2369	2381	2393	2405	2417	2429	2441	2454	2466
Total Capital Fund Contribution	1	3535	3750	3863	3959	4058	4140	4160	4181	4202	4223	4244	4265	4287	4308	4330	4351	4373	4395	4417	4439	4461	4483
TOTAL REVENUE		5398	5982	6330	6633	6937	7241	7545	7849	8153	8457	8761	9065	9369	9673	9977	10281	10585	10889	11193	11497	11801	12105
EXPENSES in Thousands \$		CY(2020)	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)	CY(2031)	CY(2032)	CY(2033)	CY(2034)	CY(2035)	CY(2036)	CY(2037)	CY(2038)	CY(2039)	CY(2040)	CY(2041)
	Estimates	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Debt Service Payments																							
Ana Digester Project Debt Payment (P&I)	1	637	637	637	637	637	319		293	293	293	293	293	293	293	293	293	293	293	293	293	293	293
Biosolids Project Debt Payment (P&I)				114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
Primary Clarifier Project Debt Payment (P&I)				128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
Chem P Debt Payment (P&I)				140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
FIP Debt Payment Actual (P&I)	4	0	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995
Debt Service Payment Subtotal		637	1632	1109	1874	2014	1696	1377	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	675
Debt Service Subtotal		637	1632	1109	1874	2014	1696	1377	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	1670	675
Capital Improvements																							
Property Acquisition - DCFPD NRI Easement Purchase	43	450	500																				
Capital Improvement Projects																							
Vehicle and Equipment Replacer	44	0	198	71	184	248	137	141	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
Small Capital Projects	45	85	85	50	50	50	50	50	50	50	50	50	50	100	100	100	100	100	100	100	100	100	100
Infrastructure Improvements	46	97	97	100	100	100	100	100	100	100	100	100	100	300	300	300	300	300	300	300	300	300	300
Roof Replacements - Updated based on Repl. Schedul	47	45	362	178	0	0	101	154	181	68	52	35	0	0	0	0	0	0	0	0	0	0	0
Plant Equipment Rehabilitation	48	335	335	500	500	500	500	500	500	500	500	500	500	300	300	300	300	300	300	300	300	300	300
Atmospheric Vaporizer Leas	49	20	20	20	25	25	25	25	30	30	30	30	30	35	35	35	35	35	35	35	35	35	35
MCC Replacements	51	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
PLC Replacements - Campus Wide	51	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
Unox Deck Replacements	52	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
DuPage River Salt Creek Work Group Assmt for Watershed Projects	53	273	281	289																			
Facility Improvements Project	54																						
Engineering		150	0																				
Construction/(IEPA Loan)		2500	0																				
Electric Service Distribution System Rehabilitation Project	55																						
Engineering		250	0																				
Construction		2500	0																				
Admin Building HVAC Constructio		998	0																				
Admin Building HVAC Engineering		64	0																				
RAS Pump Station Rehabilitation	56	0	0																				
Grit Pump & Screening Washer/Conveyor Replacement	57	310	0																				
Primary Grit Odor Control Capital Improvement (Phase 1)		0	450																				
Biosolids Dewatering Equipment Replacement Engineer	58	270	100																				
Biosolids Dewatering Equipment Replacement Constructio		0	1870																				
Primary Grit Odor Control Capital Improvement (Phase 2)				1200																			
Gravity Sludge Thickener Rehabilitation				560																			
Primary Clarifier Rehabilitation				2100																			
Electronic O&M Manuals					380																		
Chemical Phosphorus Removal (1.0 mg/L					2300																		
Carbo RAS Pump Replacement					240																		
Bemis Road, Administrative Parking Lot Improvements, and Plant Resurfacin						800																	
Intermediate Pumping Station Rehabilitation						1900																	
RAS Mag Meter Replacement						60																	
Intermediate Clarifier Rehabilitation							1200																
South Sludge Lagoon Cleanout							200																
Grit Washer #1 and Meter Replacement							225																
Final Clarifier Rehabilitation								4800															
Grit Washer #2 and Effluent Meter Replacement								225															
Stormwater Plant Barscreen & Grit Collection System Upgrad									2300														
Carbo RAS Meter & RAS VFD Replacement								210															
Grit Removal Chamber #1 Replacement										225													
Grit Removal Chamber #2 & Blower Replacement											345												

\* = Process Equipment Replacement/Work Done In-House

All other projects include a 15% contingency and Engineering, Legal, & Admin @ 15% of the Construction Cost.

Fund 40 FY2014 through CY2040

Fiscal Year	Glen Ellyn Split 50/50	Lombard Split 50/50	1/2 Half of Actual	Glen Ellyn Split By Flow	Lombard Split By Flow	% Flow Split By Partner	1/2 Half of Actual	Actual Contributions	Percentage Increase	Total Glen Ellyn	Total Lombard	Accumulated Funding
FY(2014)	675,000.00	675,000.00	1,350,000.00	642,600.00	707,400.00	47.60 / 52.40	1,350,000.00	2,700,000.00	11%	\$ 1,317,600.00	\$ 1,382,400.00	\$ 37,390,539.00
SY(2014)	490,050.00	490,050.00	980,100.00	459,666.90	520,433.10	46.90 / 53.10	980,100.00	1,960,200.00	-38%	\$ 949,716.90	\$ 1,010,483.10	\$ 39,350,739.00
CY(2015)	816,750.00	816,750.00	1,633,500.00	766,111.50	867,388.50	46.90 / 53.10	1,633,500.00	3,267,000.00	40%	\$ 1,582,861.50	\$ 1,684,138.50	\$ 42,617,739.00
CY(2016)	832,500.00	832,500.00	1,665,000.00	768,564.00	896,436.00	46.16 / 53.84	1,665,000.00	3,330,000.00	2%	\$ 1,601,064.00	\$ 1,728,936.00	\$ 45,947,739.00
CY(2017)	850,000.00	850,000.00	1,700,000.00	769,250.00	930,750.00	45.25 / 54.75	1,700,000.00	3,400,000.00	2%	\$ 1,619,250.00	\$ 1,780,750.00	\$ 49,347,739.00
CY(2018)	875,000.00	875,000.00	1,750,000.00	777,875.00	972,125.00	44.45 / 55.55	1,750,000.00	3,500,000.00	3%	\$ 1,652,875.00	\$ 1,847,125.00	\$ 52,847,739.00
CY(2019)	883,750.00	883,750.00	1,767,500.00	752,248.00	1,015,252.00	42.56 / 57.44	1,767,500.00	3,535,000.00	1.0%	\$ 1,635,998.00	\$ 1,899,002.00	\$ 56,382,739.00
CY(2020)	910,262.50	910,262.50	1,820,525.00	746,597.30	1,073,927.70	41.01/58.99	1,820,525.00	3,641,050.00	3.0%	\$ 1,656,859.80	\$ 1,984,190.20	\$ 60,023,789.00
CY(2021)*	937,570.38	937,570.38	1,875,140.75	750,056.30	1,125,084.45	40/60	1,875,140.75	3,750,281.50	3.0%	\$ 1,687,626.68	\$ 2,062,654.83	\$ 63,774,070.50
CY(2022)	965,697.49	965,697.49	1,931,394.97	772,557.99	1,158,836.98	40/60	1,931,394.97	3,862,789.95	3.0%	\$ 1,738,255.48	\$ 2,124,534.47	\$ 67,636,860.45
CY(2023)	989,839.92	989,839.92	1,979,679.85	791,871.94	1,187,807.91	40/60	1,979,679.85	3,959,359.69	2.5%	\$ 1,781,711.86	\$ 2,177,647.83	\$ 71,596,220.14
CY(2024)	1,014,585.92	1,014,585.92	2,029,171.84	811,668.74	1,217,503.11	40/60	2,029,171.84	4,058,343.69	2.5%	\$ 1,826,254.66	\$ 2,232,089.03	\$ 75,654,563.82
CY(2025)	1,034,877.64	1,034,877.64	2,069,755.28	827,902.11	1,241,853.17	40/60	2,069,755.28	4,139,510.56	2.0%	\$ 1,862,779.75	\$ 2,276,730.81	\$ 79,794,074.38
CY(2026)	1,040,052.03	1,040,052.03	2,080,104.06	832,041.62	1,248,062.43	40/60	2,080,104.06	4,160,208.11	0.5%	\$ 1,872,093.65	\$ 2,288,114.46	\$ 83,954,282.50
CY(2027)	1,045,252.29	1,045,252.29	2,090,504.58	836,201.83	1,254,302.75	40/60	2,090,504.58	4,181,009.15	0.5%	\$ 1,881,454.12	\$ 2,299,555.03	\$ 88,135,291.65
CY(2028)	1,050,478.55	1,050,478.55	2,100,957.10	840,382.84	1,260,574.26	40/60	2,100,957.10	4,201,914.20	0.5%	\$ 1,890,861.39	\$ 2,311,052.81	\$ 92,337,205.85
CY(2029)	1,055,730.94	1,055,730.94	2,111,461.88	844,584.75	1,266,877.13	40/60	2,111,461.88	4,222,923.77	0.5%	\$ 1,900,315.70	\$ 2,322,608.07	\$ 96,560,129.62
CY(2030)	1,061,009.60	1,061,009.60	2,122,019.19	848,807.68	1,273,211.52	40/60	2,122,019.19	4,244,038.39	0.5%	\$ 1,909,817.27	\$ 2,334,221.11	\$ 100,804,168.01
CY(2031)	1,066,314.65	1,066,314.65	2,132,629.29	853,051.72	1,279,577.57	40/60	2,132,629.29	4,265,258.58	0.5%	\$ 1,919,366.36	\$ 2,345,892.22	\$ 105,069,426.59
CY(2032)	1,071,646.22	1,071,646.22	2,143,292.44	857,316.97	1,285,975.46	40/60	2,143,292.44	4,286,584.87	0.5%	\$ 1,928,963.19	\$ 2,357,621.68	\$ 109,356,011.46
CY(2033)	1,077,004.45	1,077,004.45	2,154,008.90	861,603.56	1,292,405.34	40/60	2,154,008.90	4,308,017.80	0.5%	\$ 1,938,608.01	\$ 2,369,409.79	\$ 113,664,029.26
CY(2034)	1,082,389.47	1,082,389.47	2,164,778.94	865,911.58	1,298,867.37	40/60	2,164,778.94	4,329,557.89	0.5%	\$ 1,948,301.05	\$ 2,381,256.84	\$ 117,993,587.15
CY(2035)	1,087,801.42	1,087,801.42	2,175,602.84	870,241.14	1,305,361.70	40/60	2,175,602.84	4,351,205.68	0.5%	\$ 1,958,042.55	\$ 2,393,163.12	\$ 122,344,792.82
CY(2036)	1,093,240.43	1,093,240.43	2,186,480.85	874,592.34	1,311,888.51	40/60	2,186,480.85	4,372,961.70	0.5%	\$ 1,967,832.77	\$ 2,405,128.94	\$ 126,717,754.53
CY(2037)	1,098,706.63	1,098,706.63	2,197,413.26	878,965.30	1,318,447.95	40/60	2,197,413.26	4,394,826.51	0.5%	\$ 1,977,671.93	\$ 2,417,154.58	\$ 131,112,581.04
CY(2038)	1,104,200.16	1,104,200.16	2,208,400.32	883,360.13	1,325,040.19	40/60	2,208,400.32	4,416,800.65	0.5%	\$ 1,987,560.29	\$ 2,429,240.36	\$ 135,529,381.69
CY(2039)	1,109,721.16	1,109,721.16	2,219,442.32	887,776.93	1,331,665.39	40/60	2,219,442.32	4,438,884.65	0.5%	\$ 1,997,498.09	\$ 2,441,386.56	\$ 139,968,266.33
CY(2040)	1,115,269.77	1,115,269.77	2,230,539.54	892,215.81	1,338,323.72	40/60	2,230,539.54	4,461,079.07	0.5%	\$ 2,007,485.58	\$ 2,453,593.49	\$ 144,429,345.41
CY(2041)	1,120,846.12	1,120,846.12	2,241,692.23	896,676.89	1,345,015.34	40/60	2,241,692.23	4,483,384.47	0.5%	\$ 2,017,523.01	\$ 2,465,861.46	\$ 148,912,729.87
TOTALS	\$ 11,275,883.85	\$ 11,275,883.85		\$ 10,469,011.40	\$ 14,162,860.35			\$ 66,113,629.01		\$ 66,179,658.62	\$ 81,010,918.88	



## **Glenbard Wastewater Authority**

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

### SECTION I. REQUEST FOR PROPOSALS

The Glenbard Wastewater Authority (Authority) is accepting proposals for general legal counsel services for the Authority.

The Glenbard Wastewater Authority was formed in 1977. The Authority provides the treatment of wastewater flows from the Village of Lombard, Village of Glen Ellyn, parts of unincorporated DuPage County and residences serviced by Illinois American Water Utilities.

Glenbard Wastewater Authority Full Board is composed of the elected members of each Village Board for the Village of Lombard and the Village of Glen Ellyn, with the Presiding Officer of the Board alternating between the elected Village Presidents based on the odd/even Fiscal year theory, Village of Glen Ellyn during odd-numbered fiscal years and the Village of Lombard during even-numbered fiscal years.

In addition to the GWA Full Board, an Executive Oversight Committee has been established, which consists one (1) elected official from each of the Villages of Glen Ellyn and Lombard, other than the Village Presidents, the Village Manager of Lombard or his designee, the Village Administrator of Glen Ellyn or his designee, an additional staff person from each of the villages of Glen Ellyn and Lombard, as designated and appointed by the respective presidents of the villages and the village president from each of the villages of Glen Ellyn and Lombard. The presiding officer of the Executive Oversight Committee shall be the presiding officer of the Board.

**Executive Director.** The Authority's Executive Director is the chief executive and administrative officer of the Authority. The Executive Director reviews and coordinates all matters coming before the Authority Executive Oversight Committee and Full Board. The Executive Director is responsible for the implementation of Authority Board and Executive Oversight Committee direction and coordination and management of Authority departments on a daily basis.

**Authority Staff.** The Executive Director implements Authority Board direction through the department heads of the Glenbard Wastewater Authority.

Included in this RFP are the following:

1. A more detailed description of the services to be provided.
2. An outline of proposal requirements.

Submitted proposals will be reviewed by a legal subcommittee consisting of representatives from each Member Village, the Executive Director and the Assistant Director of the Authority. The subcommittee will recommend to the Executive Oversight Committee no more than three (3) firms as finalists for consideration as General Counsel.

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## Glenbard Wastewater Authority

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In order to ensure a fair review and selection process, firms submitting proposals are specifically requested not to make other contacts to Staff or Board Members from either the Village of Lombard or Village of Glen Ellyn regarding these proposals.

### SECTION II. INSTRUCTIONS TO PROPOSERS

- A. One (1) pdf copy of your firm's proposal should be submitted to Matt Streicher, P.E., BCEE, Executive Director, Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, Illinois 60137. Proposals must be received no later than 4:00 p.m. on March 17, 2020.
- B. All proposals submitted must provide information as required in this request. Any other information that the proposer wishes to include for evaluation and consideration by the Authority as part of the proposal may also be included.

Commented [MS1]: Subject to change

### SECTION III. REQUIRED CONTENTS FOR PROPOSALS

- A. Firm Background
  1. Name of firm.
  2. Address(es), phone number(s), and fax number(s) of firm.
  3. Brief history of firm.
  4. Summary of attorneys by their specialties.
  5. Summary of paralegals by their specialties.
  6. Summary of support personnel.
  7. Description of office organization (organizational chart).
- B. Attorney Qualifications
  1. Identify each attorney, paralegal, and support personnel who will be supplying services to the Authority.
  2. For each person identified, please state:
    - Their relevant academic training, degrees and certifications.
    - A description of their prior experience in municipal law matters and an estimate of their hours or percentage of their work in this area during the past four years.
    - Number of years with your firm, position title(s) and years in these positions, and areas of responsibility with your firm.
    - Other background or experience that may be helpful in evaluating your proposal.

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## **Glenbard Wastewater Authority**

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3. A description of the proposed allocation of work between the attorney(s) and support personnel identified (i.e., who will be the primary Authority attorney and what work will be handled by junior partners, associates, or paralegals).
4. Current principal responsibilities for individual designated as primary Authority attorney including a statement indicating future availability.
5. A description of the availability of and identification of experienced backup attorneys in the case of illness, turnover, or other loss of personnel.

### **C. Firm Qualifications**

1. The names and telephone numbers of three client references whom the Authority may contact. If your firm has represented any municipalities or governmental agencies during the last four years, state the name of that municipality or agency and the name, title, and telephone number of a reference at that municipality or agency whom the Authority may contact. If your firm has represented such an entity but does not wish the Authority to contact that entity, list the name of the municipality or agency, and state your reasons why no contact is requested.
2. A statement of how the workload of the Authority would be accommodated and what kind of priority it would be given.
3. Statement of previous experience with Sanitary Districts or wastewater agencies.

### **D. Fees**

1. Your proposal for the dollar amount of fixed and/or hourly fees and costs your firm will charge for providing the legal services for general legal consulting on matters of arbitration, writing of agreements between the Authority and its members covered by your proposal.

For the hourly fees portion of your proposal, please identify the hourly rate of each attorney, paralegal, and support personnel. Also state separately the rate of any firm cost items to be billed (e.g., photocopying).

## **SECTION IV. SCOPE OF WORK DESCRIPTION**

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## **Glenbard Wastewater Authority**

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The services and qualifications that are required for the Authority, but are not limited to, the following areas:

- A. General municipal laws and codes as they relate to sanitary sewer systems/districts.
- B. General State and Federal laws relating to sanitary sewer systems/districts, construction contracts.
- C. Experience in the Intergovernmental Agreement development and interpretation.
- D. Experience in construction litigation.
- E. The primary attorney for the Authority must have a minimum of at least five years' experience in the municipal law field.
- F. Attend meetings as requested by the Authority's Executive Director or Assistant Executive Director.
- G. All personnel matters such as separation agreements, benefit issues, or potential future collective bargaining matters will be handled by the Operating Agency's (Village of Glen Ellyn) Labor Attorney.

### **SECTION V. PROPOSAL EVALUATION AND CONTRACT AWARD**

- A. The Authority intends to award a contract to the proposer evaluated to be best qualified to perform the work for the Authority. Cost, and other factors will be considered as part of the evaluation.
- B. Based upon the evaluation, the Executive Director, as Chairperson of the subcommittee, will recommend to the Executive Oversight Committee the selection of the firms determined to be the most responsive and responsible proposers. The actual selection of the firm and contract award will be made by the Executive Oversight Committee.
- C. The Authority shall not be liable for any expenses incurred by the proposer including, but not limited to, expenses associated with the preparation of the proposal, preparation of a cost proposal or final contract negotiations.
- D. The Authority reserves the right to reject any and all proposals or to request additional information from all proposers.

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### **SECTION VI. CONTRACT EXECUTION**

#### **A. Contract Negotiations**

Notwithstanding a contract award, the Authority reserves the right to negotiate the final terms and conditions of the contract to be executed. If the Authority and the proposer to whom the contract is recommended to be awarded are unable to mutually agree upon the entire contract, the Authority reserves the right to discontinue negotiations, select another proposer or reject all of the proposals.

Upon completion of negotiations agreeable to the Authority and the proposer, a contract shall be executed.

#### **B. Contract Ethics**

1. No elected official or employee of the Authority who exercises any responsibilities in the review, approval, or implementation of the proposal or contract shall participate in any decisions, which affects his or her direct or indirect personal or financial interest.
2. It is a breach of ethical standard for any person to offer, give or agree to give any Authority employee or Board Member, or for any Authority employee or Board Member to solicit, demand, accept, or agree to accept from another person or firm, a gratuity or an offer of employment whenever a reasonably prudent person would conclude that such consideration was motivated by an individual, group or corporate desire to obtain special, preferential, or more favorable treatment than is normally accorded to the general public.
3. The firm shall not assign any interest in this contract and shall not transfer any interest in the same without the prior written consent of the Authority.
4. The firm shall not accept any client or project, which places it in conflict of interest with its representation of the Authority. If such a conflict of interest is subsequently discovered, the Authority shall be promptly notified.

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**FEBRUARY 20, 2020**



## Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137  
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### GWA Technical Advisory Committee (TAC) Meeting Agenda February 20, 2020 9:30am

Attendance: Tom Romza, Director Hansen, Director Goldsmith

1. Airgas

- a. Increase of roughly \$19k due to “Restricted Access” charges
- b. Currently seeking pricing from other sources
- c. Atmospheric Vaporizers Lease

Mr. Romza informed the TAC that Airgas has raised their “restricted access” charge from \$60/delivery to \$150/delivery. This charge is due to the fact that GWA does not grant 24-hour access to the facility because the delivery of the liquid oxygen is very noisy. Director Goldsmith asked what is the justification of the increase in charge and directed that GWA inquire. Director Hansen suggested that when GWA next goes out to bid for this service, that the RFP language states a limit on the increase for this service. Possibly 10% annually. Both Director’s thought it was a good idea to research other possible companies for this service but understand that due to GWA leasing the atmospheric vaporizers from Airgas, switching providers now would be a complicated process.

2. Long Term Strategy for Funding Capital Needs

- a. Discussed with Glen Ellyn Finance Director
- b. Attached spreadsheet requested by TAC

Mr. Romza presented the TAC with a spreadsheet created by Mr. Streicher in which the annual increase in capital budget for GWA is compared to several sources of national inflation. Director Goldsmith commented that the Bureau of Labor Statics should be the most relevant comparison. In the spreadsheet it can be seen that GWA’s average annual capital budget increase is about 1% less than the average BLS increase (2.67% vs. 3.60%). Mr. Romza commented, while this seems small, the plant is aging and there is significant rehabilitation and upgrades that are needed therefore additional capital increases should be considered to avoid any major jumps in capital budget from year to year. Both Director’s agreed and also agreed that a sit down with the TAC and the villages’ financial directors should occur before any major budgeting occurs for next year. All members of the TAC agreed that a sewer rate increase should be strongly considered. Director Goldsmith also requested that a column be added to the spreadsheet that shows the dollar amount of GWA’s capital budget.

3. Other Business

- a. FIP Update

Mr. Romza informed the TAC that there has been significant progress in the FIP project. The new pump station is almost completely backfilled and should be by next week. The contractor has been moving pretty quick since the “boxout” delay. Director Hansen asked if GWA should be withholding any payments in preparation for liquidated damages. Mr. Romza stated that the total liquidated damages, should the project be finished on its current schedule, will total about \$1.1 million. The retainage on the project is near \$900K. So GWA will only have to withhold that last payment or two. The TAC understood and Director Goldsmith suggested that negotiations be made with liquidated damages and the dewatering costs.

- b. Electrical Grid Design Update

Mr. Romza informed the TAC that the construction for the electrical grid design is out to bid with opening occurring on February 28<sup>th</sup>. Director Goldsmith asked if there was a lot of interest so far. Mr. Romza said that the pre-bid meeting had two attendees, both of which are reputable firms. Director Hansen was pleased that there was at least two. Director Goldsmith mentioned that he can send out some e-mails to possibly stir up more interest.

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- c. HVAC Project Update  
Mr. Romza informed the TAC that while there has been a few issues with the HVAC construction it is generally on schedule.
- d. Biosolids Dewatering Improvements Update  
Mr. Romza informed the TAC that Trotter has been aggressively working on the design for the biosolids dewatering upgrades and has determined rehabilitation on our existing units is the best option for GWA. In addition, Trotter is optimistic about GWA receiving SRF funding for the project.
- e. NPDES Permit Renewal Update  
Mr. Romza informed the TAC that the permit renewal process is almost complete and GWA will be submitting the renewal paperwork by the deadline.
- f. USP Technologies Odor Bench Testing/Trials  
Mr. Romza informed that TAC that USP reached out to GWA claiming a possible chemical solution to odor issues at the plant. GWA has to exercise caution with the addition of chemical to the treatment process, as it can cause negative side-effects on the biological process. However, the very preliminary price for such treatment was roughly \$50k per year, at which both Directors were in full support of. Mr. Romza informed the TAC that USP tested their solution during a non-odorous time, and USP will be testing again during the summer months to make sure the solution is correct. Director Hansen suggested this be brought up to the EOC at the next meeting and strongly encouraged GWA to try out this product. Director Goldsmith commented that since there is zero capital investment, Lombard would be in support of following up with this solution.
- g. Pre-treatment Significant Noncompliance Violation Public Notice
  - i. Published ~1/29/2020
  - ii. E/M Coatings  
Mr. Romza informed the TAC that E/M Coatings was officially published in the paper for being non-compliant with the pre-treatment ordinance. Director Goldsmith inquired what the fees would be and what can Lombard do to help them get into compliance, as it is more important for them to get into compliance than for the Villages to collect any fees. Mr. Romza stated that extra effort would be needed from GWA's ERC in order to help get E/M coating into compliance, which the ERC is currently provided when E/M response to correspondence.

#### 4. Old Business

- a. Future GWA Legal Representation
  - i. RFP Due 2/27
  - ii. Narrow down to 3 firms, then EOC selects  
Mr. Romza informed the TAC that there is an RFP out for legal services and there has been significant interest. Both Directors agreed that narrowing to 3 representatives to bring to the EOC was the best course of action.
- b. Flow Monitoring Report Meeting  
Mr. Romza informed the TAC that GWA is still waiting on the final draft of the flow monitoring report and will reach out for meeting dates when it is received. Director Goldsmith commented that he has had a lot of delays with reports lately as well.
- c. Manhole/Sewer Inspection Reports  
Mr. Romza emphasized that GWA is also waiting on the manhole/sewer reports. GWA would like to create a 5-year rehabilitation plan, with the first year of construction beginning in 2020, but this may have to be pushed back a year due to the delays in the reports.
- d. PT Operator Position  
Mr. Romza informed the TAC that GWA has interviewed one candidate that did not seem to be the right fit for the position. The position has been re-advertised and one resume has been received, GWA is waiting for more. Until the position is filled the operators are going to have to work some overtime when the other Part-Timers are not available.
- e. SwiftComply – ordinance revision needed to make it mandatory?  
Mr. Romza inquired if the TAC thought it GWA could make it mandatory to use SwiftComply. Director Hansen stated that this situation is similar to water bills being electric, we can suggest it, but cannot make residents go paperless. Director Goldsmith asked if the ordinance was revised, would it need to go back through the EPA. The TAC decided this needed additional thought.



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f. HSW Public Comments

Mr. Romza informed the TAC that there has only been a few comments that were vulgar/belligerent, such as, “fix your odor before taking in more waste.” However Bonnie Buckley did express that she would like to point out that the residents do not wish to have another digester upset.

g. On-Call Discussion

No discussion.

h. Discussion pertaining to future development of IGA Language for  
GWA Interceptor vs Village’s Collection Systems start and stop points.

- 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

Mr. Romza informed that Mr. Streicher has distributed maps of each local connection to the GWA interceptor. Both Director’s thought these were very useful and agreed that the villages should be responsible for the sewers up to the interceptor, including the connection to the interceptor. Director Hansen mentioned that the maps should be added to the IGA.

## **SECTION 10.2**

# **PENDING AGENDA ITEMS**





## Glenbard Wastewater Authority

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### *2020 Pending EOC Agenda Items*

<b>Projects</b>	<b>Budget</b>	<b>Date</b>	<b>Status</b>
<b>Capital Improvement Projects</b>			
Electrical Service Distribution System Construction/Engineering	\$2,750,000	March	REQUESTED
Biosolids Dewatering Improvements Design	\$330,000	December 2019	APPROVED
Roof Rehabilitation	\$362,000	June	
Grit Pump & Screenings Washer/Conveyor Replacement	\$310,000	April	
RAS Pump Station Rehabilitation	\$180,000	September	
<b>Infrastructure Improvement</b>			
Hydraulic Modeling Study	\$60,000	April	
HSW Improvements Modifications	\$25,000	July	
<b>Equipment Rehabilitation</b>			
Annual Collection System Rehabilitation	\$200,000	July	
CHP Siloxane and Hydrogen Sulfide Media Replacement	\$50,000	May	
Annual Lift Station Rehabilitation	\$50,000	August	
<b>Rolling Stock</b>			
Electronic Technician Vehicle	\$39,000	March	REQUESTED
<b>Administrative</b>			
Forest Preserve Easement License Costs for NRI	\$150,000	N/A	NO LONGER VALID

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**SECTION 11.0**

**NEXT EOC MEETING**

**THURSDAY**

**APRIL 9, 2020**

**AT 8:00 A.M.**