

GLENBARD WASTEWATER AUTHORITY

Executive Oversight Committee

Agenda

January 11, 2018

8:00 a.m.

**Meeting will be held at the Glenbard Wastewater Plant
945 Bemis Rd, Glen Ellyn, 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 the Month of November 2017 totaling \$2,454,834.03 (Trustee Enright).

- 5.1 Executive Oversight Committee Meeting Minutes:
November 9, 2017 EOC Meeting
- 5.2 Vouchers Previously Reviewed by:
November 2017 – Trustee Enright
- 5.3 Request for Authorization to Enter into Year 2 of 3 of Flow Monitoring Services Contract with RJN Group, Inc.

GWA requests authorization to continue into year two of the three-year contract for Flow Monitoring Services with the RJN Group, Inc. The amount of \$116,000 shall be invoiced to Fund 270-520981 in CY2018

- 5.4 Request for Authorization to Enter into Year 2 of 3 of Sodium Hypochlorite Supply Contract with Alexander Chemical Corporation.

GWA requests authorization to continue into year two of the three-year contract for the Sodium Hypochlorite Supply Contract with Alexander Chemical Corporation at \$0.632/gallon, and shall be invoiced to Fund 270-520981 in CY2018

- 5.5 Request for Authorization to Enter into Year 2 of 3 of Sodium Thiosulfate Supply Contract with PVS Chemical.

GWA requests authorization to continue into year two of the three-year contract for the Sodium Thiosulfate Supply Contract with PVS Chemical at \$1.72/gallon, and shall be invoiced to Fund 270-1-530440 in CY2018

- 5.6 Request for Authorization to Enter into Year 2 of 3 of the Janitorial Services Contract with RCC Cleaning.

GWA requests authorization to continue into year two of the three-year contract for Janitorial Services with RCC Cleaning for \$12,240, and shall be invoiced to Fund 270-520971 in CY2018

- 5.7 Request for Authorization to Enter into Year 2 of 5 of the Lease of Atmospheric Vaporizers and Airgas Liquid Oxygen Hauling Agreement

GWA requests authorization to continue into year two of the five-year contract for the leasing of atmospheric vaporizers and liquid oxygen hauling with Airgas in CY2018. Liquid Oxygen hauling will be priced at \$0.258/per 100 cubic feet with a base delivery charge of \$15,600, and invoiced to Fund 270-530443 in the CY2018 Budget. Atmospheric Vaporizers Leasing will be priced at \$1,500/month, and invoiced to Fund 40 Capital Plan in the CY2018 Budget.

- 5.8 Reimbursement to Village of Lombard for Property Surveys

The Authority is requesting the Executive Oversight Committee authorize payment to reimburse the Village of Lombard **\$26,106.78** in relation to the Professional Survey Work done by Jorgensen & Associates for the purposes of the Property Swap Discussions with the Forest Preserve District of DuPage County (FPD). The property swaps proposed ownership of vacant parcels being transferred to the FPD from the Villages of Lombard and Glen Ellyn, in exchange for the FPD transferring ownership of the lagoon parcels at the CSO plant to GWA. The proposition required updated plats of survey and legal descriptions that were completed by the Professional Surveyor.

- 5.9 Contract Laboratory Services Open Purchase Order Request

In late 2016 the Operations and Laboratory staff solicited three quotes for laboratory professional services for three-year period starting in 2017. Per Village of Glen Ellyn Purchasing Policy Section B.5., since this is a recurring/ongoing service, quotes only need to be obtained once every three years, so long as the cost remains competitive and there is no significant change to the scope of goods/services. Suburban Labs projected a cost of \$25,001.50 for a one-year period based on information provided to them from the Authority. The cost can be variable as call out work is required for the

Stormwater Facility during rain events, as well as any extra sampling that might be required for our permit discharge or special condition on river sampling.

This professional service is budgeted in the CY2018 O&M budget account #270-520806 Prof. Serv. Laboratory in the amount of \$30,000. The Operations and Laboratory staff kindly requests the Executive Oversight Committee to approve an open purchase order for a not to exceed amount of \$30,000 for CY2018 as budgeted.

5.10 Enter into Agreement with NRG for Demand Load Response Revenue

In the past, the Authority has entered into agreements for a Demand Load Response program, where the Authority agrees to run the backup generators under certain circumstances, and is compensated for it. Recently, the Authority was approached by several different brokers with offers to upgrade the generators to the required air emissions standards, in exchange for revenue sharing with the brokers. After evaluating the proposals, and options, Authority staff and the TAC agreed on the proposal from NRGCS. The agreement would generate +/- \$30,000 in additional revenue for the Authority, and has been reviewed by the Authority's attorney. Staff recommends the EOC approve entering into a 6-year agreement with NRGCS for Demand Load Response Participation.

6. Discussion

- 6.1 IEPA – Violation Notice Update
- 6.2 Facility Improvement Project Update

7. Other Business

7.1 CHP SOP Update/GWA Ad-Hoc CHP Operations Committee Applicants

Authority staff has been putting together a draft Standard Operating Procedures in relation to accepting high strength waste, co-digesting the high strength waste with our municipal sludge, and other related operational procedures. Once a final draft is complete, the documents will be shared with the only resident who applied to the Ad-Hoc committee, the School District 89 Superintendent, a County Board official, and any other interested parties in order to obtain input. The goal of Authority staff is to bring final documents to the February and/or March EOC meeting for final approval.

- 7.2 Technical Advisory Committee Updates
- 7.3 November 18, 2017 Sanitary Sewer Overflow Update
- 7.4 Pending Agenda Items
- 7.5 Executive Oversight Committee 2018 Meeting Dates

- 8. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, February 8, 2018 at 8:00 a.m. in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137.***

9. Executive Session – Materials Provided under separate cover

Motion the EOC to adjourn to Executive Session for the purposes of approving previous Executive Session Minutes and discussing Personnel Matters relating to specific employees pursuant to 5 ILCS 120/2 (C)(1) & collective negotiating matters or deliberations on salary schedules for one or more classes of employees pursuant to 5 ILCS 120/2 (C)(2).

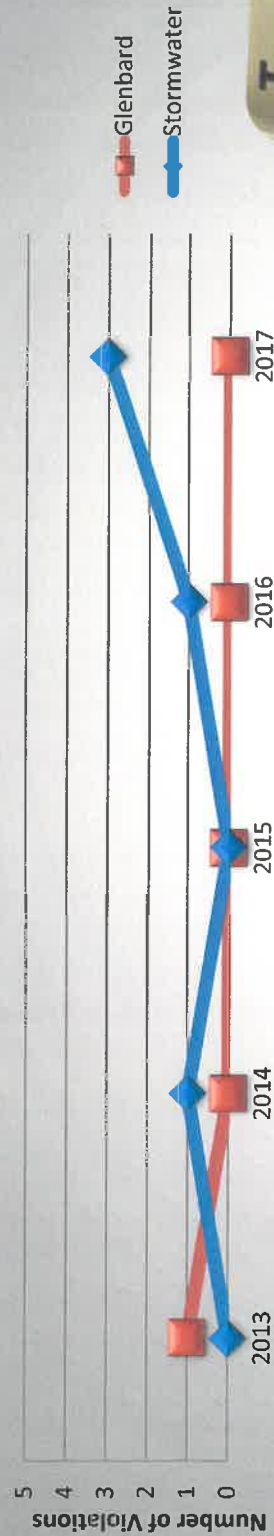


December 2017 Directors Report

Table of Contents

- Process Review
- Key Performance Indicators
- O&M Expense Reporting – Not available this month
- Capital Project Updates
- Environmental Resources Coordinator Report
- Annual Review of O&M Work Orders
- Combined Heat & Power Production & Return On Investment Report

NPDES Permit Violations



Glenbard Plant: *Current Record

1792 Days February 4, 2013 through December 31, 2017

Previous excursion free operating record:

1058 Days September 8, 2007 – April 10, 2010

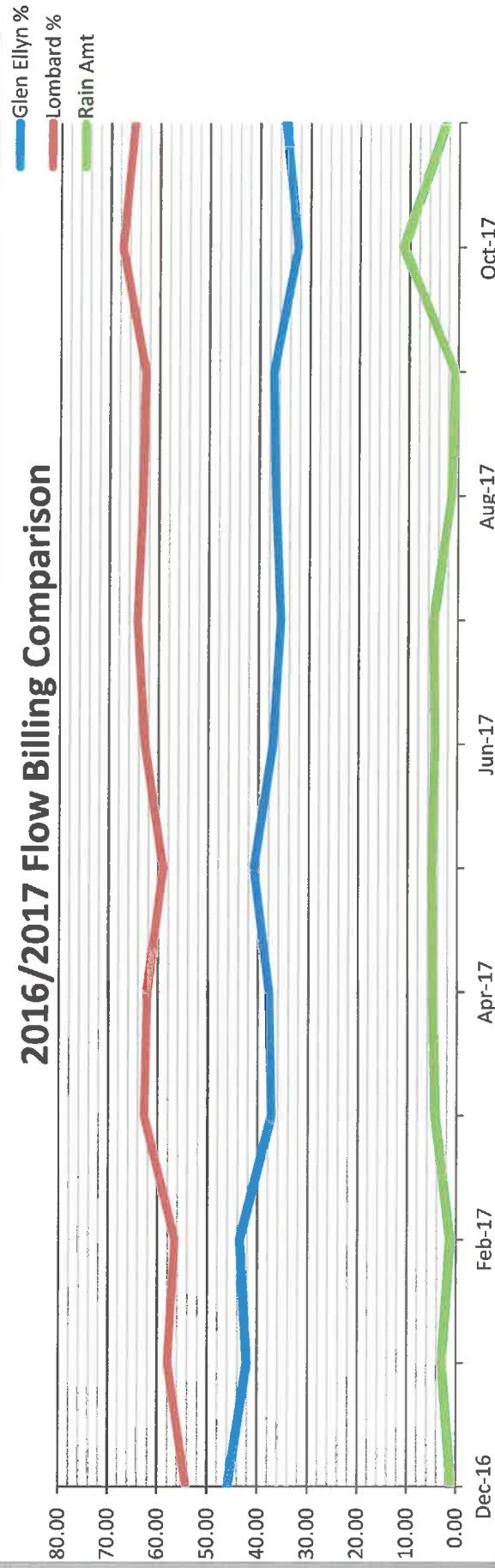
Stormwater Facility:

77 Days October 16, 2017 through December 31, 2017

Current excursion free operating record:

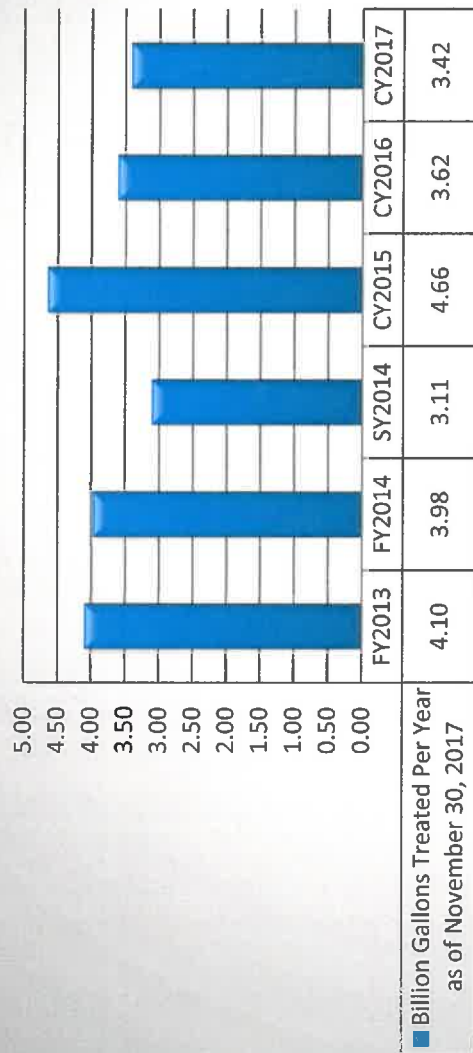
1140 Days July 11, 2009 through August 27, 2012

2016/2017 Flow Billing Comparison

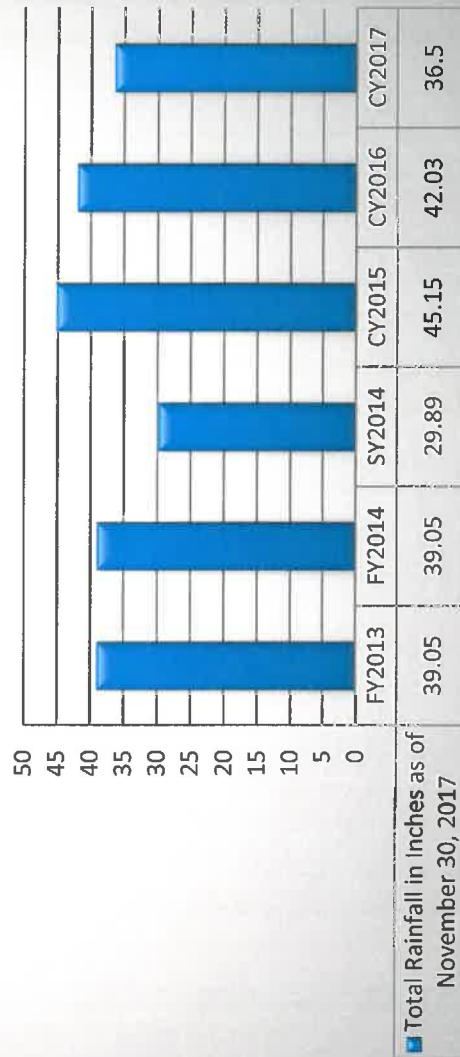




Billion Gallons Treated Per Year as of December 31, 2017



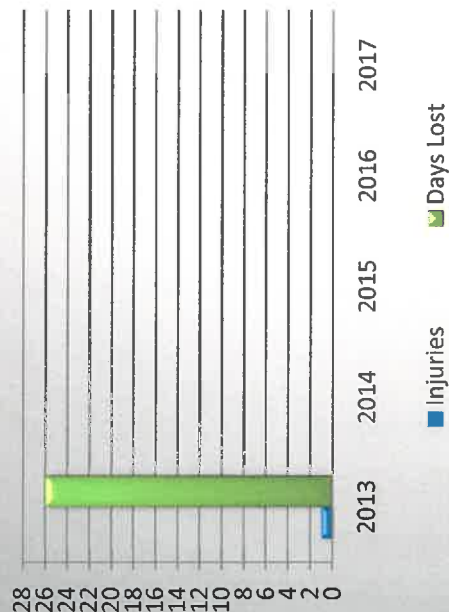
Total Rainfall in Inches as of December 31, 2017



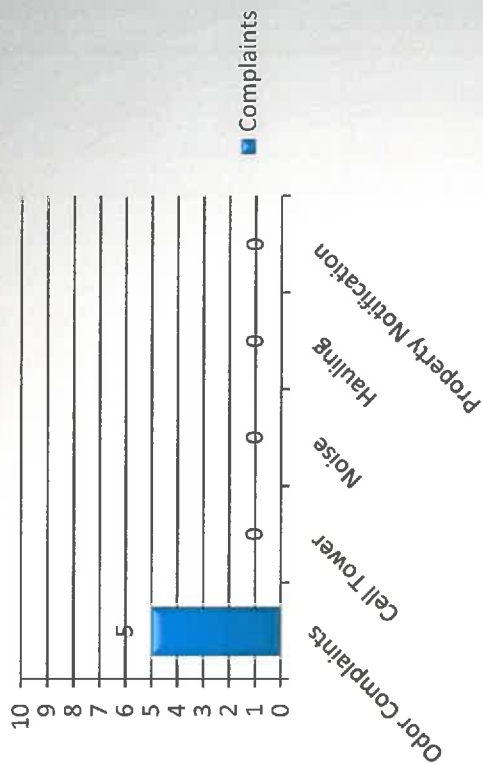


The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts

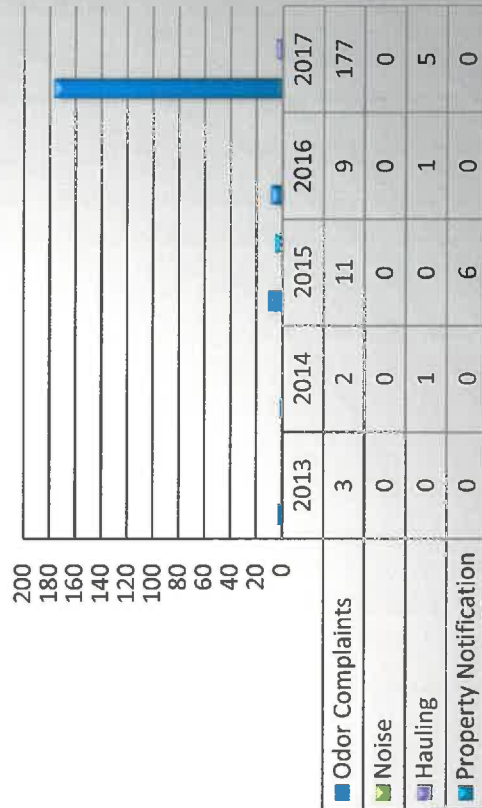
Injuries + Lost Time



December 2017 Complaints

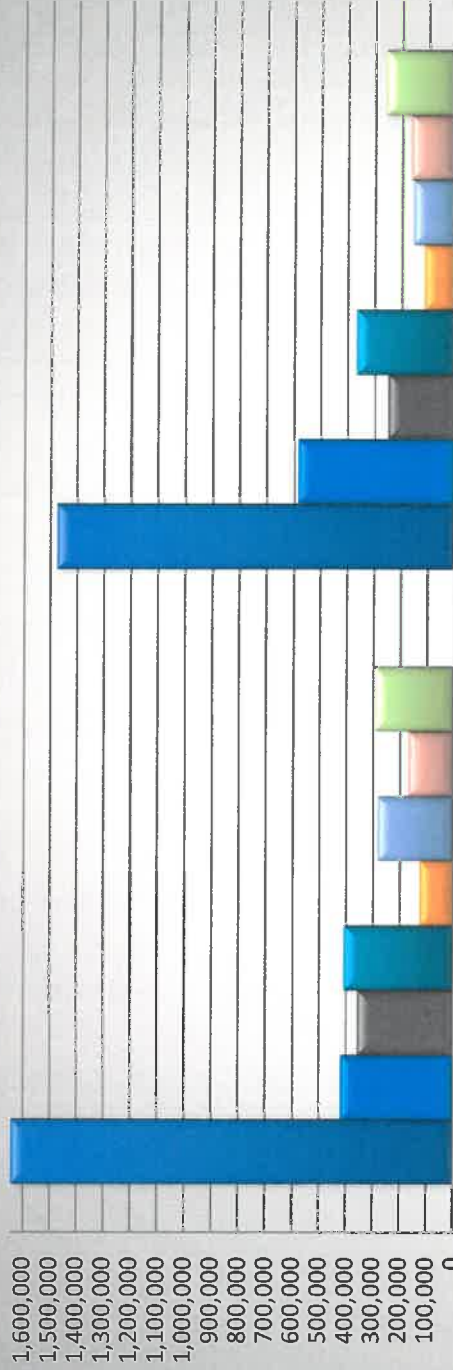


Annual Complaint Comparison





November O&M Expense \$ Reporting

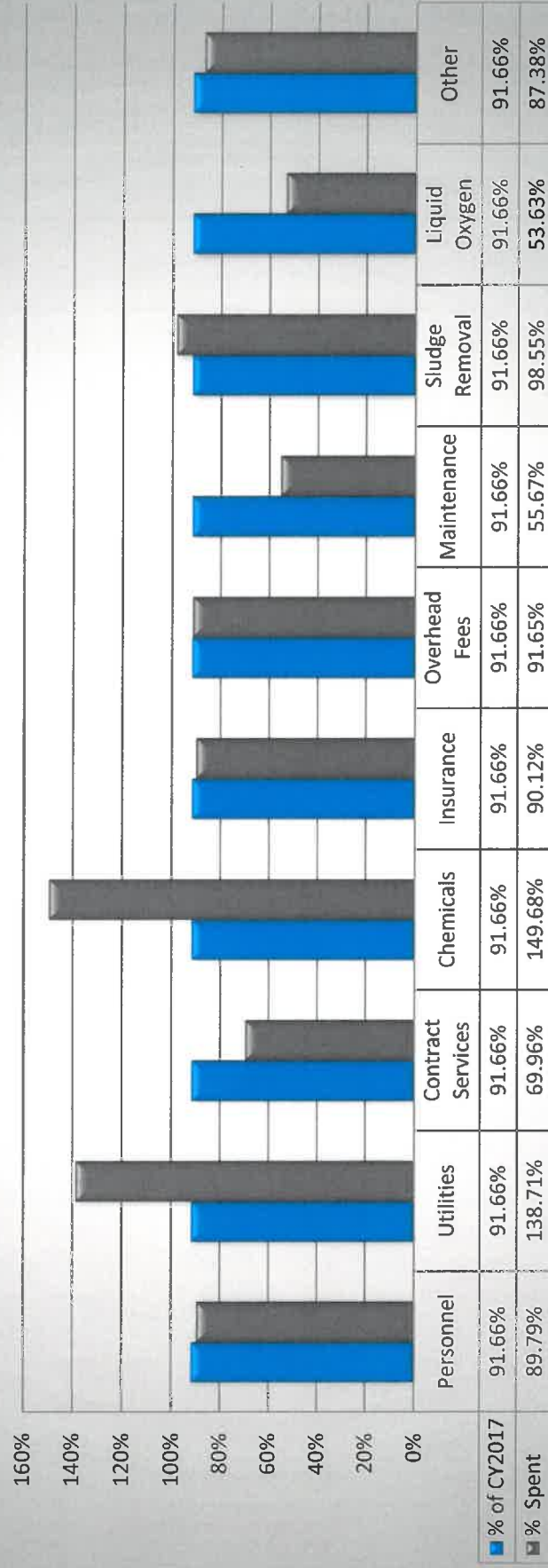


	CY2017 Budget	Spent Year to Date
Personnel	\$1,647,000	\$1,478,950
Utilities	\$422,100	\$585,522
Contract Services	\$358,400	\$250,739
Insurance	\$411,000	\$370,396
Overhead Fees	\$128,400	\$117,674
Maintenance	\$284,550	\$158,396
Sludge Removal	\$170,000	\$167,542
Other	\$298,100	\$260,476

CY2017 Budget Spent Year to Date	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
	\$1,647,000	\$422,100	\$358,400	\$90,000	\$411,000	\$128,400	\$284,550	\$170,000	\$375,000	\$298,100
% of CY2017 % Spent	89.79%	138.71%	69.96%	149.68%	90.12%	91.65%	55.67%	98.55%	53.63%	87.38%

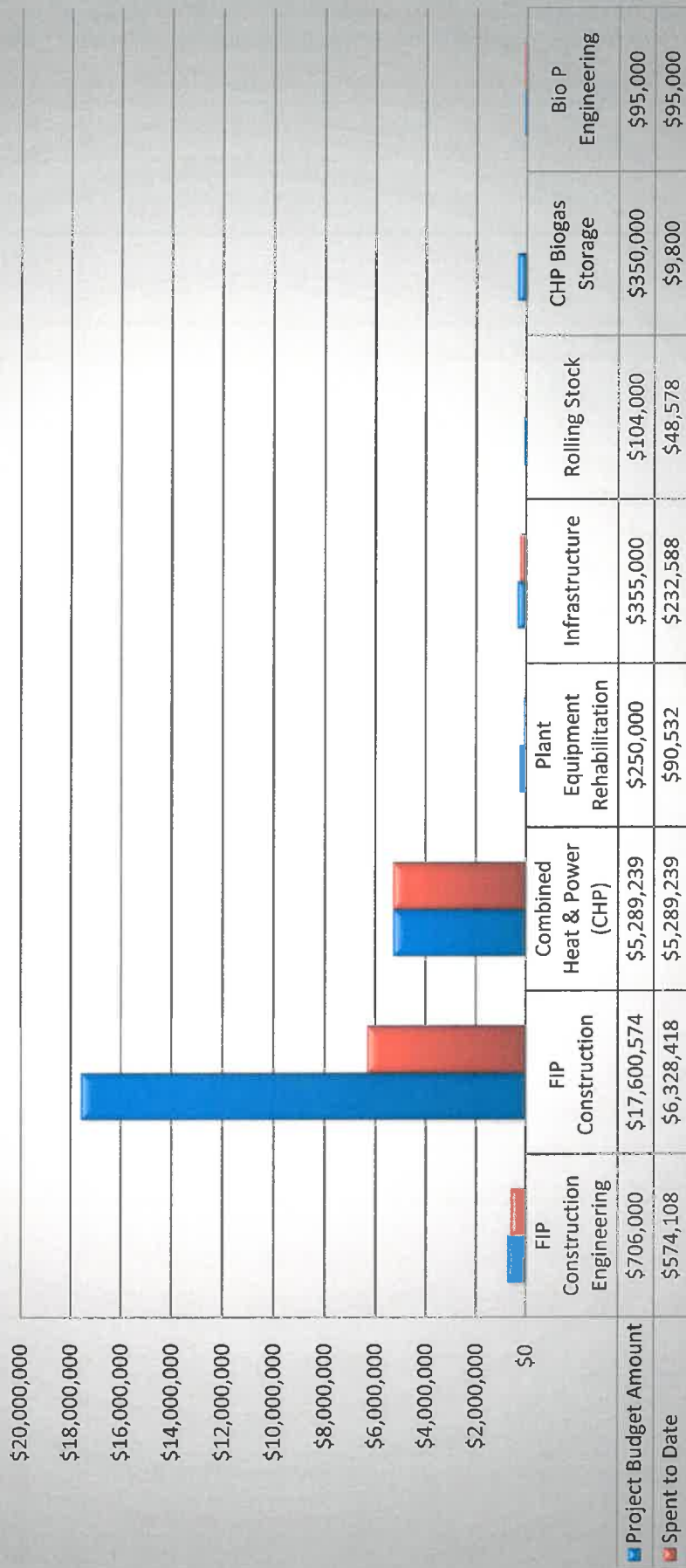


November O&M Expense % Reporting





December 2017 Project Updates



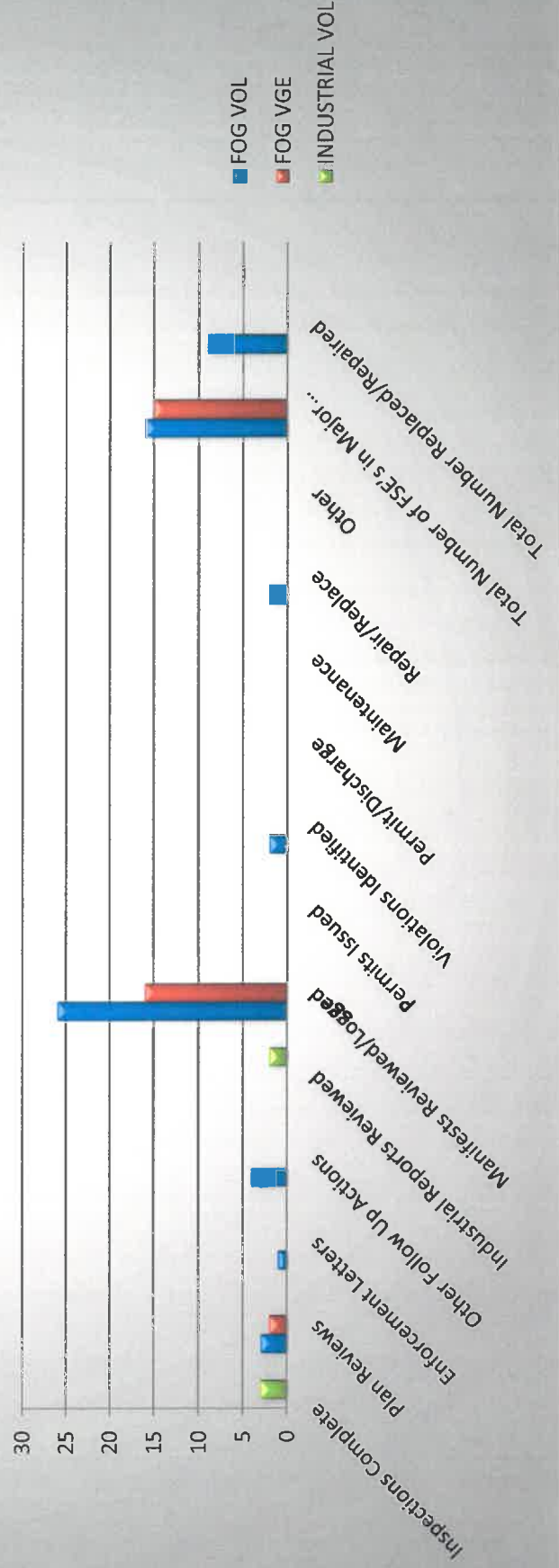
Description	Project Budget Amount	Spent to Date	December Updates
FIP Construction Engineering	\$706,000	\$574,108	See Updated FIP Project Report in the EOC Packet
FIP Construction	\$17,600,574	\$6,328,418	See Updated FIP Project Report in the EOC Packet
Combined Heat & Power (CHP)	\$5,289,239	\$5,289,239	Completed
Plant Equipment Rehabilitation	\$250,000	\$90,532	Through Nov. 30, 2017
Infrastructure	\$355,000	\$232,588	Through Nov. 30, 2017
Rolling Stock	\$104,000	\$48,578	Through Nov. 30, 2017
CHP Biogas Storage	\$350,000	\$9,800	Biogas Study Completed
Bio P Engineering	\$95,000	\$95,000	Final technical memo and project close out



ENVIRONMENTAL RESOURCE COORDINATOR ACTIONS

Dec-17

	FOG		INDUSTRIAL	
	VOL	VGE	VOL	VOL
Inspections Complete	3	0	3	3
Plan Reviews	3	2	-	-
Enforcement Letters	1	0	0	0
Other Follow Up Actions	4	0	0	0
Industrial Reports Reviewed	-	-	2	2
Manifests Reviewed/Logged	26	16	0	0
Permits Issued	-	-	0	0
Violations Identified	2	-	0	0
Permit/Discharge	-	-	-	-
Maintenance	0	0	-	-
Repair/Replace	2	0	-	-
Other	0	0	0	0
Total Number of FSE's in Major Non-Compliance (Repair/Replace/Install)	16	15	-	-
Total Number Replaced/Repaired	9	0	-	-





Environmental Resources

Coordinator Monthly Comments

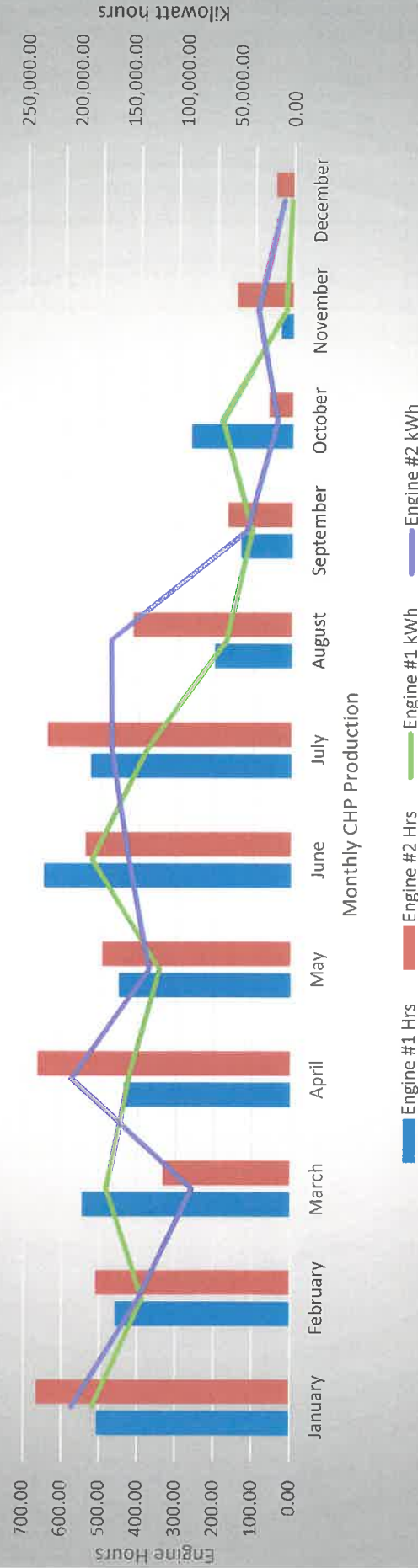
Comments:

- Reviewed all permit applications and certificate of occupancy applications in VOL and all of the business registration applications for VGE to keep data base up to date and for possible future inspections and/or inclusion in the pretreatment program.
- Prepared draft SOP and distributed to all departments involved for input.
- Completed EPA required annual industrial inspections.
- Attended eDMR training.
- Working on setting up dental office certification program required by EPA.
- Investigated grease backing up in new stripmall on Butterfield. Benihana, located next door has a broken grease interceptor. Coordinating with Benihana and their vendor to get necessary repairs made.



Combined Heat & Power Production Report

Road to Net Zero



Monthly CHP Production 2016/2017 = \$0.09/kWh

	Engine #1 Hrs	Engine #2 Hrs	Engine #1 kWh	Engine #2 kWh	Engine #1 Avail	Engine #2 Avail	\$ Saved
January	506.40	665.20	744	185,340.00	279,000	204,904.00	279,000 \$35,121.96
February	458.50	509.10	672	138,399.00	252,000	141,451.00	252,000 \$25,186.50
March	546.50	332.40	744	172,800.00	279,000	92,193.00	279,000 \$23,849.37
April	437.50	665.00	720	151,942.00	270,000	205,733.00	270,000 \$32,190.75
May	451.20	495.20	744	122,860.00	279,000	132,678.00	279,000 \$22,998.42
June	651.50	541.30	720	186,945.00	270,000	152,203.00	270,000 \$30,523.32
July	528.50	642.70	744	135,797.00	279,000	168,717.00	279,000 \$27,406.26
August	202.20	416.90	744	61,321.00	279,000	169,727.00	279,000 \$20,794.32
September	135.60	169.80	744	38,195.00	270,000	42,637.00	270,000 \$7,274.88
October	265.80	63.90	744	66,122.00	279,000	14,635.00	279,000 \$7,268.13
November	33.60	146.60	720	7,177.00	270,000	33,163.00	270,000 \$3,630.60
December	10.30	46.40	744	2,082.00	279,000	9,551.00	279,000 \$1,046.97

Return on Investment Monetary Breakdown 2017



Calendar Year 2017	Grant Funding DCEO/ICECF	HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ \$0.09/kWh	Additional NG Costs;		Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss
					Comp Previous Years Month	Maintenance Costs			
January		270,253	\$13,512.65	\$35,121.96	(\$7,458.26)	(\$1,283.15)	\$39,893.20	\$37,069.92	2,823.28
February		319,906	\$15,995.30	\$25,186.50	(\$875.65)	(\$16,353.56)	\$23,952.59	\$37,069.92	(13,117.33)
March		306,330	\$15,316.50	\$23,849.37	(\$2,433.50)	(\$7,015.48)	\$29,716.89	\$37,069.92	(7,353.03)
April		353,953	\$17,697.65	\$32,190.75	(\$3,031.14)	(\$995.00)	\$45,862.26	\$37,069.92	8,792.34
May		471,371	\$23,568.55	\$22,998.42	(\$3,542.00)	(\$710.44)	\$42,314.53	\$37,069.92	5,244.61
June	\$129,348.00	572,038	\$28,601.90	\$30,523.32	\$0.00	(\$1,444.40)	\$57,680.82	\$37,069.92	20,610.90
July	\$388,042.50	589,748	\$29,487.40	\$27,406.26	\$0.00	(\$19,703.00)	\$37,190.66	\$37,069.92	120.74
August		479,644	\$23,982.20	\$20,794.32	\$0.00	(\$31,500.00)	\$13,276.52	\$37,069.92	(23,793.40)
September		0	\$0.00	\$7,274.88	\$0.00	(\$895.00)	\$6,379.88	\$37,069.92	(30,690.04)
October		0	\$0.00	\$7,268.13	\$0.00	(\$1,950.43)	\$5,317.70	\$37,069.92	(31,752.22)
November		0	\$0.00	\$3,630.60	\$0.00	\$0.00	\$3,630.60	\$37,069.92	(33,439.32)
December		0	\$0.00	\$1,046.97	\$0.00	\$0.00	\$1,046.97	\$37,069.92	(36,022.95)
Annual Totals	\$517,390.50	3,363,243	\$168,162.15	\$237,291.48	(\$17,340.55)	(\$81,850.46)	\$306,262.62		
Repayment Balance	\$3,914,583.51								
Annual Payback on Investment	\$306,262.62								
Current Return on Investment in Years	12.8								

Average
\$25,521.89

SECTION 5.0

CONSENT AGENDA

SECTION 5.1

MINUTES FROM THE NOVEMBER 9, 2017 MEETING

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Minutes
November 9, 2017
Meeting held at the Village of Glen Ellyn Police Department
Community Room
65 S. Park Boulevard, Glen Ellyn, IL

Members Present:

Diane McGinley	President, Village of Glen Ellyn
Keith Giagnorio	President, Village of Lombard
Bill Enright	Trustee, Village of Glen Ellyn
Mike Fugiel	Trustee, Village of Lombard
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	Engineer/Assistant Director, GWA
David Goodalis	Operations Superintendent, GWA
Jon Braga	Interim Maintenance Superintendent, GWA
Laurie Frieders	Environmental Resources Coordinator, GWA
Christina Coyle	Finance Director, Village of Glen Ellyn
Gayle Lendabarker	Administrative Secretary, GWA
Chris Marschinke, P.E.	Trotter and Associates (TAI)

1. Call to Order at 8:00 a.m.
2. Roll Call: President McGinley, President Giagnorio, Trustee Enright, Trustee Fugiel, Mr. Franz, Mr. Niehaus, Mr. Hansen and Mr. Goldsmith answered "Present".
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 Month of October 2017 totaling \$595,138.33 (Trustee Enright).

Trustee Enright motioned and President Giagnorio seconded the *MOTION that the following items on the Consent Agenda be approved. President McGinley, President*

Giagnorio, Trustee Enright, Trustee Fugiel, Mr. Franz, Mr. Sexton, Mr. Goldsmith, and Mr. Hansen responded "Aye" during a roll vote. The motion carried.

- 5.1 Executive Oversight Committee Meeting Minutes:
 - October 12, 2017 EOC Meeting
- 5.2 Executive Oversight Committee Meeting Minutes:
 - October 12, 2017 EOC Meeting
- 5.3 Vouchers previously reviewed by Trustee Enright
 - October 2017
- 5.4 Request to Deem Equipment as Surplus for Sale

As part of the FIP project, new final clarifier launder units were recently installed and placed into service. This new equipment, replaced the custom designed Ford Hall Weir-Wolf systems that were installed in FY2013. This equipment cannot be re-purposed for any benefit to the Authority and therefore, have been decommissioned. As the Authority has an interested buyer in this equipment and would like request that the equipment be deemed as Surplus Equipment, making it available for sale at auction.

It is my recommendation that the EOC classify this equipment as ***Surplus Equipment***, at which time staff will place these units into an auction process for resale to the financial benefit of the Authority with the proceeds being added the Capital Improvement Fund for use as needed on other capital projects.

6. CY2018 Budget

Motion the EOC to authorize approval of the CY2018 Budget to the Full Boards of Glen Ellyn and Lombard.

President Giagnorio motioned and Mr. Goldsmith seconded the motion to authorize approval of the CY2018 Budget to the Full Boards of Glen Ellyn and Lombard. President McGinley, President Giagnorio, Trustee Enright, Trustee Fugiel, Mr. Franz, Mr. Sexton, Mr. Goldsmith, and Mr. Hansen responded "Aye" during a roll vote. The motion carried.

Mr. Streicher provided a final summary on the budget changes which resulted in a four percent (4%) increase over the CY2017 budget.

7. Discussion

7.1 Odor and Process Updates

Mr. Streicher advised that there have been no additional odor complaints and that a decision to purchase an additional deodorizing system was made for installation around the grit facilities as this is the first point where the water is exposed to the air and during drought conditions, the hydrogen sulfides odors are highly noticeable.

Mr. Streicher indicated that there would not be a weekly update this week but anticipates the final update being issued the following week.

7.2 GWA Ad-Hoc CHP Operations Committee Applicants

Mr. Streicher indicated that there had only been one (1) applicant for this committee and that as a result wondered if it would be best to no longer pursue the committee.

Mr. Franz indicated that there was some interest from County Board Member Elliott and members should be proactively sought out.

President McGinley indicated that the villages and GWA had done their due diligence in trying to facilitate the forming of a committee and if people are choosing not to participate there is not much we can do to force them to and if anyone comes back asking why the committee wasn't formed, we have the recourse to say there was a lack of interest by the public.

7.3 IEPA – Violation Notice – Update

Mr. Franz indicated that there was a meeting the previous week with Mr. Niehaus, Mr. Streicher and the attorney specializing in IEPA matters.

Mr. Streicher indicated that the attorney had reached out to the IEPA about the prospect of rescinding the violation but he had not yet heard back from the Authority's attorney, Fred Andes.

7.4 Sludge Hauling Options

Mr. Streicher indicated that the item was originally placed on the agenda as it was estimated costs would exceed the \$20,000 for extra hauling at an additional cost of \$5.00/per cubic yard for the daily hauling. Mr. Streicher added that GWA is taking steps to keep the amount of sludge produced to lowest possible and avoid hauling.

President McGinley asked Mr. Streicher if he felt that winter storage of the sludge at the plant was appropriate over winter. Mr. Streicher advised

that he felt sludge storage at the plant over the winter would not lead to odor issues. President McGinley and the EOC agreed that the Authority could cease daily hauling during the winter months as per federal regulations.

7.5 Facilities Improvement Project Update

Mr. Streicher advised that most of the progress is still being made with the work on the new disk filter system and anticipates the system going online the following week and plans have been made to have the manufacturer on site to address any issues that arise, as well as provide training.

Mr. Streicher indicated that there had been no progress on the ERS system.

8. Other Business

8.1 Technical Advisory Committee Updates

Mr. Streicher indicated that he appreciates the guidance and advice the TAC Committee brings to GWA in making the best decisions for the facility.

8.2 October 14/15 Wet Weather Event Update

Mr. Streicher indicated a Sanitary Sewer Overflow occurred and was reported to the IEPA. The overflow was a result of the amount of rain that fell and the sand filter system not operating at full capacity due to the construction. Mr. Streicher indicated that the IEPA is aware that GWA has a construction project in process and that a variance will, in all likelihood be issued, and will not reflect negatively upon GWA.

Mr. Streicher indicated that what overflowed into the river had been treated except for the UV disinfection step and as GWA must only disinfect through October 31st, was confident that what ended up in the river was safe.

8.3 Pending Agenda Items

Mr. Streicher indicated that all pending items have been addressed except for the vehicle purchase, which will require approval at a December meeting.

Mr. Franz indicated that he would prefer to not have the December EOC Committee meeting and just approve a budget amendment to the 2018 budget to purchase the vehicle.

9. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, December 14, 2017 at 8:00 a.m. in the Community Room at the Village of Glen Ellyn Police Department, 65 S. Park Boulevard, Glen Ellyn, Illinois.***

President McGinley indicated that the next regularly schedule EOC Committee meeting will be on Thursday, January 11, 2018 at 8:00 a.m. at the Glenbard Wastewater Authority plant, located at 945 Bemis Road, Glen Ellyn, Illinois

Mr. Giagnorio moved to adjourn the November 9, 2017 EOC Meeting and Mr. Franz seconded the MOTION. President McGinley, President Giagnorio, Mr. Enright, Mr. Fugiel, Mr. Franz, Mr. Sexton, Mr. Goldsmith, and Mr. Hansen responded “Aye” during a roll vote. The motion carried. The meeting adjourned at 8:45 a.m.

Submitted by:

Gayle A. Lendabarker
GWA Administrative Secretary

SECTION 5.2

VOUCHERS

NOVEMBER 2017

GLENBARD WASTEWATER AUTHORITY
APPROVAL OF VOUCHERS
For the meeting in December 2017

EXPENDITURES:	Check Date	Paid Amount	
Accounts Payable Warrant 1117-1	11/14/2017	\$1,237,941.28	
Accounts Payable Warrant 1117-2	11/30/2017	\$1,100,433.71	
		<u>\$2,338,374.99</u>	Warrant Total
			<u><u>\$2,338,374.99</u></u>

PAYROLL EXPENDITURES:	November 10, 2017	November 24, 2017	
Net Employee Payroll Checks	<u>\$32,106.00</u>	<u>\$ 32,243.52</u>	
Employee & Employer Payroll Deductions:			
Employee Deductions*	\$17,552.86	\$17,706.46	
IMRF - Employer contribution	\$4,765.31	\$4,791.68	
Social Security/Medicare Tax Withheld - Employer portion	\$3,641.21	\$3,652.00	
Total Payroll	<u>\$ 58,065.38</u>	<u>\$ 58,393.66</u>	- \$ - \$
			<u><u>\$ 116,459.04</u></u>
		GRAND TOTAL	<u><u>\$2,454,834.03</u></u>

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

12/01/2017 14:51
maryr

GWA Live
PAID WARRANT REPORT

p
appdwarr

WARRANT: 1117-1

TO FISCAL 2017/11 01/01/2017 TO 12/31/2017

VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
881 AIRGAS, INC										
18084	INVOICE:	10/31/17		20170003	956934	P	11/14/17	40	580180 17004	CRYO VAPORIZOR RENTALS
18085	INVOICE:	10/31/17			956934	P	11/14/17	270	520980	MAINTENANCE-ELECTRONICS
18086	INVOICE:	10/26/17			956934	P	11/14/17	270	530443	LIQUID OXYGEN
18087	INVOICE:	10/19/17			956934	P	11/14/17	270	530443	LIQUID OXYGEN
18088	INVOICE:	10/19/17			956934	P	11/14/17	270	530443	LIQUID OXYGEN
18089	INVOICE:	10/20/17			956934	P	11/14/17	270	530443	LIQUID OXYGEN
18090	INVOICE:	10/25/17			956934	P	11/14/17	270	530443	LIQUID OXYGEN
18091	INVOICE:	10/23/17			956934	P	11/14/17	270	530443	LIQUID OXYGEN
18092	INVOICE:	10/23/17			956934	P	11/14/17	270	530443	LIQUID OXYGEN
18093	INVOICE:	10/30/17			956935	P	11/14/17	270-1	530440	CHEMICALS
24 BERLAND'S INC										
18094	INVOICE:	11/07/17			956936	P	11/14/17	270	520975	MAINTENANCE-EQUIPMENT
18095	INVOICE:	11/07/17			956936	P	11/14/17	270	520975	MAINTENANCE-EQUIPMENT
1221 BOLLER CONSTRUCTION CO, INC										
18160	INVOICE:	08/31/17		20170007	2254	W	11/14/17	40	580180 14007	FACILITY IMPROVEMENT PLAN
996 BROOK ELECTRICAL DISTRIBUTION										
18096	INVOICE:	11/06/17			956937	P	11/14/17	270	520980	MAINTENANCE-ELECTRONICS
214 PAHCS II										
18161	INVOICE:	11/01/17			956938	P	11/14/17	270	520615	RECRUITING AND TESTING

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18162 INVOICE: 210386	11/01/17			956938	P	11/14/17	270	530225	SAFETY RELATED EQUIPMNT/S
VENDOR TOTALS			717.09	YTD INVOICED				717.09	YTD PAID
47 CINTAS CORPORATION #769 18097 INVOICE: 769313568	11/07/17			956939	P	11/14/17	270	520976	MAINTENANCE-CONTRACTUAL
VENDOR TOTALS			2,191.20	YTD INVOICED				2,191.20	YTD PAID
1218 COLLEY ELEVATOR CO. 18098 INVOICE: 166394	11/01/17			956940	P	11/14/17	270	520971	BUILDING & GROUNDS CONTRA
18099 INVOICE: 166209	10/26/17			956940	P	11/14/17	270	520971	BUILDING & GROUNDS CONTRA
VENDOR TOTALS			2,133.00	YTD INVOICED				2,133.00	YTD PAID
490 COMCAST CABLE COMMUNICATIONS, LLC 18100 INVOICE: 18100	10/25/17			956941	P	11/14/17	270	521195	TELECOMMUNICATIONS
VENDOR TOTALS			1,890.84	YTD INVOICED				1,890.84	YTD PAID
1120 COMMUNICATIONS DIRECT INC. 18101 INVOICE: SR113212	10/31/17			956942	P	11/14/17	270	520980	MAINTENANCE-ELECTRONICS
VENDOR TOTALS			30.00	YTD INVOICED				30.00	YTD PAID
1248 B&W CONTROL SYSTEMS INTEGRATION LLC 18102 INVOICE: 194181	08/24/17		20170021	956943	P	11/14/17	40	580180	17001 UV SYSTEM UPGRADE
VENDOR TOTALS			24,771.03	YTD INVOICED				24,771.03	YTD PAID
1138 CONSTELLATION ENERGY SERVICES INC 18103 INVOICE: 2162750	11/06/17			956944	P	11/14/17	270	521202	NATURAL GAS
18103 INVOICE: 2162750	11/06/17			956944	P	11/14/17	270-1	521202	NATURAL GAS
18103 INVOICE: 2162750	11/06/17			956944	P	11/14/17	270	521204	SELF-GEN GAS
VENDOR TOTALS			73,861.92	YTD INVOICED				73,861.92	YTD PAID
74 DREISILKER ELECTRIC MOTORS INC 18104 INVOICE: 1065771	10/26/17			956945	P	11/14/17	270	520980	MAINTENANCE-ELECTRONICS

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INVOICE: 196414								
VENDOR TOTALS			92.53	YTD			92.53	YTD PAID 92.53
119 HACH COMPANY								
18117	10/24/17			956952	P	11/14/17	270	520980
INVOICE: 10689096								MAINTENANCE-ELECTRONICS 403.44
VENDOR TOTALS			9,514.55	YTD			9,514.55	YTD PAID 403.44
985 HOLSTEIN'S GARAGE								
18119	10/31/17			956953	P	11/14/17	270	520976
INVOICE: 207								MAINTENANCE-CONTRACTUAL 70.00
VENDOR TOTALS			350.00	YTD			350.00	YTD PAID 70.00
1255 HOMESTEAD ELECTRICAL CONTRACTING, LLC								
18120	10/30/17			956954	P	11/14/17	40	580140
INVOICE: 12173								INFRASTRUCTURE UPGRADES 19,819.00
VENDOR TOTALS			19,819.00	YTD			19,819.00	YTD PAID 19,819.00
1254 GZA GEOENVIRONMENTAL TECHNOLOGIES, INC.								
18121	02/08/17			956955	P	11/14/17	270	520816
INVOICE: 732733								DESIGN ENGINEERING 2,000.00
VENDOR TOTALS			2,000.00	YTD			2,000.00	YTD PAID 2,000.00
1147 ILLINOIS AMERICAN WATER COMPANY								
18122	10/23/17			956956	P	11/14/17	270-3	521203
INVOICE: 18122								WATER 126.37
VENDOR TOTALS			1,536.24	YTD			1,536.24	YTD PAID 126.37
1058 KONECRANES, INC.								
18123	10/30/17			956957	P	11/14/17	270	520975
INVOICE: 152021472								MAINTENANCE-EQUIPMENT 726.18
18124	10/24/17			956957	P	11/14/17	270	520971
INVOICE: 152018379								BUILDING & GROUNDS CONTRA 945.00
VENDOR TOTALS			1,671.18	YTD			1,671.18	YTD PAID 1,671.18
185 KONICA MINOLTA BUSINESS SOLUTIONS INC								
18125	10/25/17			956958	P	11/14/17	270	530100
INVOICE: 9003984313								OFFICE EXPENSES 127.25
VENDOR TOTALS			1,270.06	YTD			1,270.06	YTD PAID 127.25
157 LEN'S ACE HARDWARE, INC.								
18126	10/03/17			956959	P	11/14/17	270	520970
INVOICE: 81255								MAINTENANCE-BUILDING & GR 9.42

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18127	INVOICE: 81284	10/06/17			956959	P	11/14/17	270 520990	OPERATIONS - SUPPLIES	7.18
18128	INVOICE: 81249	10/04/17			956959	P	11/14/17	270 520990	OPERATIONS - SUPPLIES	60.22
18128	INVOICE: 81249	10/04/17			956959	P	11/14/17	270 520970	MAINTENANCE-BUILDING & GR	-7.19
VENDOR TOTALS								1,330.98 YTD PAID		69.63
517 LIPKE-KENTEX CORP.										
18129	INVOICE: 541372	11/04/17			956960	P	11/14/17	270 520976	MAINTENANCE-CONTRACTUAL	231.76
VENDOR TOTALS								231.76 YTD PAID		231.76
171 MCMASTER-CARR SUPPLY CO.										
18130	INVOICE: 48663163	10/20/17			956961	P	11/14/17	270 520975	MAINTENANCE-EQUIPMENT	142.84
18131	INVOICE: 48350496	10/17/17			956961	P	11/14/17	270 520975	MAINTENANCE-EQUIPMENT	56.29
VENDOR TOTALS								11,398.18 YTD PAID		199.13
1222 MEADE ELECTRIC COMPANY, INC										
18132	INVOICE: 446939	10/26/17		20170020	956962	P	11/14/17	40 580140	INFRASTRUCTURE UPGRADES	85,585.00
VENDOR TOTALS								141,489.82 YTD PAID		85,585.00
1142 GENUINE PARTS CO-NAPA										
18133	INVOICE: 701-438050	10/27/17			956963	P	11/14/17	270 520975	MAINTENANCE-EQUIPMENT	13.49
VENDOR TOTALS								417.05 YTD PAID		13.49
211 OMI INDUSTRIES										
18134	INVOICE: 467368	11/01/17			956964	P	11/14/17	40 580140	INFRASTRUCTURE UPGRADES	2,197.50
VENDOR TOTALS								6,785.04 YTD PAID		2,197.50
1237 PROJECT MANAGEMENT ADVISORS, INC										
18136	INVOICE: 21286	10/20/17		20170013	956965	P	11/14/17	40 580180	14007 FACILITY IMPROVEMENT PLAN	1,823.78
VENDOR TOTALS								15,842.96 YTD PAID		1,823.78
233 PVS MINIBULK, INC										
18137	INVOICE: 116543	10/31/17			956966	P	11/14/17	270-1 530440	CHEMICALS	5,711.67

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VENDOR TOTALS			24,965.67	YTD	INVOICED		24,965.67	YTD PAID	5,711.67
1226 RC CLEANING COMPANY 18138 INVOICE: 18138	11/07/17			956967	P	11/14/17	270	520971	BUILDING & GROUNDS CONTRA 1,020.00
VENDOR TOTALS			8,160.00	YTD	INVOICED		8,160.00	YTD PAID	1,020.00
1212 RJN GROUP, INC 18139 INVOICE: 305010	11/02/17		20170002	956968	P	11/14/17	270	520981	ELECTRONICS CONTRACTUAL 9,649.00
VENDOR TOTALS			96,490.00	YTD	INVOICED		96,490.00	YTD PAID	9,649.00
939 STAPLES CONTRACT & COMMERCIAL INC. 18140 INVOICE: 3357762551 18141 INVOICE: 3358641319 18142 INVOICE: 3358641322	10/25/17 11/02/17 11/02/17 11/02/17			956969	P	11/14/17	270	530100	OFFICE EXPENSES 92.45 OFFICE EXPENSES 21.96 OFFICE EXPENSES 30.45
VENDOR TOTALS			3,004.40	YTD	INVOICED		3,004.40	YTD PAID	144.86
265 STEINER ELECTRIC COMPANY 18143 INVOICE: 5005863828.001	10/24/17			956970	P	11/14/17	270	520980	MAINTENANCE-ELECTRONICS 51.66
VENDOR TOTALS			1,399.85	YTD	INVOICED		1,399.85	YTD PAID	51.66
757 STEWART SPREADING, INC. 18144 INVOICE: 11844	11/01/17			956971	P	11/14/17	270	521150	SLUDGE DISPOSAL - LAND 9,730.00
VENDOR TOTALS			167,541.96	YTD	INVOICED		167,541.96	YTD PAID	9,730.00
738 SUBURBAN LABORATORIES, INC. 18145 INVOICE: 149441 18146 INVOICE: 149437 18147 INVOICE: 149439 18148 INVOICE: 149567	10/26/17 10/26/17 10/26/17 10/26/17 10/30/17			956972	P	11/14/17	270	520806	PROFESSIONAL SERVICES-LAB 370.50 PROFESSIONAL SERVICES-LAB 370.50 PROFESSIONAL SERVICES-LAB 370.50 PROFESSIONAL SERVICES-LAB 1,284.00
VENDOR TOTALS			30,474.48	YTD	INVOICED		30,474.48	YTD PAID	2,395.50
271 TERRACE SUPPLY COMPANY 18149	10/31/17			956973	P	11/14/17	270	520976	MAINTENANCE-CONTRACTUAL 48.98

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INVOICE: 981645									
VENDOR TOTALS		1,853.49	YTD INVOICED				1,853.49	YTD PAID	48.98
1074 UNISON SOLUTIONS, INC. 18150 08/08/17 INVOICE: 2017-5790		20170014	956974	P		11/14/17	40	580150	PLANT EQUIPMENT REHABILIT
VENDOR TOTALS		19,393.03	YTD INVOICED				19,393.03	YTD PAID	18,743.00
477 UNITED PARCEL SERVICE, INC 18151 10/28/17 INVOICE: 9YF103437			956975	P		11/14/17	270	530100	OFFICE EXPENSES
VENDOR TOTALS		117.58	YTD INVOICED				117.58	YTD PAID	14.42
410 VALLEN DISTRIBUTION, INC. 18152 10/26/17 INVOICE: YS-22528-11			956976	P		11/14/17	270	520980	MAINTENANCE-ELECTRONICS
VENDOR TOTALS		709.76	YTD INVOICED				709.76	YTD PAID	544.76
988 VERIZON WIRELESS SERVICES LLC 18159 11/01/17 INVOICE: 9795511758			956977	P		11/14/17	270	521195	TELECOMMUNICATIONS
VENDOR TOTALS		7,612.11	YTD INVOICED				7,612.11	YTD PAID	225.39
491 VWR INTERNATIONAL, INC. 18155 11/01/17 INVOICE: 8080408321 18156 11/02/17 INVOICE: 8080408320			956978	P		11/14/17	270	530106	OPERATING SUPPLIES - LAB
VENDOR TOTALS		1,001.72	YTD INVOICED				1,001.72	YTD PAID	269.02
865 WESTERN DUPAGE SERVICES, INC 18157 11/01/17 INVOICE: 111044 18158 11/01/17 INVOICE: 111061			956979	P		11/14/17	270	520971	BUILDING & GROUNDS CONTRA
VENDOR TOTALS		20,040.83	YTD INVOICED				20,040.83	YTD PAID	1,675.00
REPORT TOTALS									

COUNT								AMOUNT	
-----								-----	
TOTAL PRINTED CHECKS								46	239,830.11
TOTAL WIRE TRANSFERS								1	998,111.17

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VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
2 AAREN PEST CONTROL, INC.										
18205	11/15/17				956980	P	11/30/17	270	520971	BUILDING & GROUNDS CONTRA
INVOICE: 27400										55.00
18205	11/15/17				956980	P	11/30/17	270-1	520970	MAINTENANCE-BUILDING & GR
INVOICE: 27400										45.00
VENDOR TOTALS					1,100.00	YTD	INVOICED		1,100.00	YTD PAID
										100.00
881 AIRGAS, INC										
18175	11/11/17				956981	P	11/30/17	270	530443	LIQUID OXYGEN
INVOICE: 9500433312										2,869.32
18206	11/18/17				956981	P	11/30/17	270	530443	LIQUID OXYGEN
INVOICE: 9500433525										17,343.57
VENDOR TOTALS					237,731.14	YTD	INVOICED		237,731.14	YTD PAID
										20,212.89
1130 ALFA LAVAL INC										
18207	11/07/17				956982	P	11/30/17	270	520975	MAINTENANCE-EQUIPMENT
INVOICE: 277060499										9,564.63
VENDOR TOTALS					9,564.63	YTD	INVOICED		9,564.63	YTD PAID
										9,564.63
958 BAXTER & WOODMAN, INC.										
18177	11/17/17			20170006	956983	P	11/30/17	40	580180	17002 BPR ENGINEERING
INVOICE: 195897										2,850.00
18178	11/20/17				956983	P	11/30/17	40	580180	15003 COMBINED HEAT & POWER
INVOICE: 196225										160.00
18179	11/17/17				956983	P	11/30/17	270	520816	DESIGN ENGINEERING
INVOICE: 195898										603.75
VENDOR TOTALS					288,704.73	YTD	INVOICED		288,704.73	YTD PAID
										3,613.75
1221 BOLLER CONSTRUCTION CO, INC										
18180	08/31/17			20170007	2267	W	11/30/17	40	580180	14007 FACILITY IMPROVEMENT PLAN
INVOICE: PAYMENT APP #3B										998,111.18
VENDOR TOTALS					6,328,415.32	YTD	INVOICED		6,328,415.32	YTD PAID
										998,111.18
33 CALCO, LTD.										
18181	11/20/17				956984	P	11/30/17	270	530440	CHEMICALS
INVOICE: AU39565										164.00
VENDOR TOTALS					1,179.00	YTD	INVOICED		1,179.00	YTD PAID
										164.00
768 CINTAS FIRST AID & SAFETY										
18182	11/17/17				956985	P	11/30/17	270	530225	SAFETY RELATED EQUIPMNT/S
INVOICE: 8403422124										260.16
VENDOR TOTALS					3,837.05	YTD	INVOICED		3,837.05	YTD PAID
										260.16

50 COMMONWEALTH EDISON COMPANY

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18183 INVOICE:	11/07/17 18183	956986	P	11/30/17	270	521201	ELECTRIC POWER 36.46
VENDOR TOTALS	601.13	YTD INVOICED				601.13	YTD PAID 36.46
1137 DYNEGY ENERGY SERVICES, LLC							
18184 INVOICE:	11/10/17 138583217111	956987	P	11/30/17	270	521201	ELECTRIC POWER 29.74
18185 INVOICE:	11/08/17 138582717111	956987	P	11/30/17	270-2	521201	ELECTRIC POWER 2,104.14
18186 INVOICE:	11/14/17 138582817111	956987	P	11/30/17	270-1	521201	ELECTRIC POWER 4,366.41
18187 INVOICE:	11/10/17 138582917111	956987	P	11/30/17	270-3	521201	ELECTRIC POWER 1,196.62
VENDOR TOTALS	451,767.83	YTD INVOICED				451,767.83	YTD PAID 7,696.91
1054 ENGINEERING RESOURCE ASSOCIATES, INC.							
18188 INVOICE:	11/22/17 130607.15	956988	P	11/30/17	270	520816	DESIGN ENGINEERING 261.77
VENDOR TOTALS	261.77	YTD INVOICED				261.77	YTD PAID 261.77
1007 F.H. PASCHEN, S.N. NIELSEN, INC.							
18195 INVOICE:	10/31/17 20170017 1550-280-1	956989	P	11/30/17	40	580140	INFRASTRUCTURE UPGRADES 26,974.97
VENDOR TOTALS	26,974.97	YTD INVOICED				26,974.97	YTD PAID 26,974.97
727 FIFTH THIRD BANK							
18164 INVOICE:	10/27/17 GWA-1754	2257	W	11/30/17	270	530100	OFFICE EXPENSES 120.35
18165 INVOICE:	10/27/17 GWA-1755	2258	W	11/30/17	270	520980	MAINTENANCE-ELECTRONICS 51.00
18166 INVOICE:	10/27/17 GWA-1756	2259	W	11/30/17	270	530200	ADMINISTRATIVE PURCHASES 49.00
18167 INVOICE:	10/27/17 GWA-1757	2260	W	11/30/17	270	530106	OPERATING SUPPLIES - LAB 133.97
18169 INVOICE:	10/27/17 GWA-1758	2261	W	11/30/17	270	530100	OFFICE EXPENSES 75.90
18170 INVOICE:	10/27/17 GWA-1759	2262	W	11/30/17	270	521195	TELECOMMUNICATIONS 273.96
18171 INVOICE:	10/27/17 GWA-1760	2263	W	11/30/17	270	530100	OFFICE EXPENSES 24.12
18172 INVOICE:	10/27/17 GWA-1761	2264	W	11/30/17	270	520620	EMPLOYEE EDUCATION 70.00
18173 INVOICE:	10/27/17 GWA-1762	2265	W	11/30/17	270	520600	DUES-SUBSCRIPTIONS-REG FE 90.00
18174 INVOICE:	10/27/17 GWA-1763	2266	W	11/30/17	270	530100	OFFICE EXPENSES 113.92
GWA-128	10/27/17	2256	W	11/30/17	270	520980	MAINTENANCE-ELECTRONICS 251.50

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VENDOR TOTALS	3,627.40	YTD INVOICED			3,627.40	YTD PAID	123.12
952 PROGRAM ONE PROFESSIONAL BUILDING SERVICES INC. 18225 10/31/17 INVOICE: 107030		957001	P	11/30/17	270	BUILDING & GROUNDS CONTRA	210.00
VENDOR TOTALS	840.00	YTD INVOICED			840.00	YTD PAID	210.00
237 RANDALL PRESSURE SYSTEMS, INC. 18226 11/07/17 INVOICE: I-14963-0		957002	P	11/30/17	270	MAINTENANCE-EQUIPMENT	44.70
VENDOR TOTALS	672.49	YTD INVOICED			672.49	YTD PAID	44.70
412 NESTLE WATERS NORTH AMERICA 18227 11/04/17 INVOICE: 17K8100616302		957003	P	11/30/17	270	OFFICE EXPENSES	105.85
VENDOR TOTALS	1,220.41	YTD INVOICED			1,220.41	YTD PAID	105.85
939 STAPLES CONTRACT & COMMERCIAL INC. 18196 11/08/17 INVOICE: 3359254661 18197 11/08/17 INVOICE: 3359254662 18199 11/16/17 INVOICE: 3359907661 18200 11/14/17 INVOICE: 3359907658 18201 11/16/17 INVOICE: 3360457033		957004	P	11/30/17	270	OFFICE EXPENSES	3.88
		957004	P	11/30/17	270	OFFICE EXPENSES	60.97
		957004	P	11/30/17	270	OFFICE EXPENSES	61.79
		957004	P	11/30/17	270	OFFICE EXPENSES	95.48
		957004	P	11/30/17	270	OFFICE EXPENSES	-62.79
VENDOR TOTALS	3,004.40	YTD INVOICED			3,004.40	YTD PAID	159.33
738 SUBURBAN LABORATORIES, INC. 18202 11/27/17 INVOICE: 150315 18203 11/27/17 INVOICE: 150314		957005	P	11/30/17	270	PROFESSIONAL SERVICES-LAB	1,072.00
		957005	P	11/30/17	270	PROFESSIONAL SERVICES-LAB	350.00
VENDOR TOTALS	30,474.48	YTD INVOICED			30,474.48	YTD PAID	1,422.00
271 TERRACE SUPPLY COMPANY 18228 11/17/17 INVOICE: 70376435 18229 11/22/17 INVOICE: 70376884 18230 11/17/17 INVOICE: 70376416		957006	P	11/30/17	270	MAINTENANCE-EQUIPMENT	235.89
		957006	P	11/30/17	270	MAINTENANCE-EQUIPMENT	17.64
		957006	P	11/30/17	270	MAINTENANCE-EQUIPMENT	468.66

12/01/2017 14:51
maryr

GWA Live
PAID WARRANT REPORT

P 13
appdwarr

WARRANT: 1117-2

TO FISCAL 2017/11 01/01/2017 TO 12/31/2017

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
-----									-----
VENDOR TOTALS		1,853.49	YTD INVOICED				1,853.49	YTD PAID	722.19
988 VERIZON WIRELESS SERVICES LLC									
18231	11/18/17			957007	P	11/30/17	270	521195	439.56
INVOICE: 9796514055								TELECOMMUNICATIONS	
VENDOR TOTALS		7,612.11	YTD INVOICED				7,612.11	YTD PAID	439.56
309 WILKENS-ANDERSON CO.									
18204	11/02/17			957008	P	11/30/17	270	530106	150.58
INVOICE: S1173378.001								OPERATING SUPPLIES - LAB	
VENDOR TOTALS		298.58	YTD INVOICED				298.58	YTD PAID	150.58
REPORT TOTALS									1,100,433.71

COUNT	AMOUNT
-----	-----
TOTAL PRINTED CHECKS	29
TOTAL WIRE TRANSFERS	13
	87,212.81
	1,013,220.90

** END OF REPORT - Generated by Mary Romanelli **

SECTION 5.3

**RJN GROUP – FLOW
METER CONTRACT
AUTHORIZATION YEAR 2
OR 3 YEAR AGREEMENT**

MEMORANDUM

TO: Executive Oversight Committee

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

DATE: January 11, 2018

RE: **Request for Authorization**
Year 2 of 3 Flow Monitoring Services



In November, 2016, the Glenbard Wastewater Authority (GWA) received proposals for flow monitoring services for the installation, operation, maintenance, monitoring, and leasing of sixteen (16) flow meters and four (4) rain gauges (lease only two [2] rain gauges) located throughout GWA's owned interceptors. The EOC approved to enter into a three-year contract with RJN Group, Inc. for flow monitoring services for the 2017-2020 period. Since the GWA had not previously worked with RJN Group, language was added to the proposal that would give the Authority the ability to renew on an annual basis so that if certain performance measures are not being met, we can withdraw from the contract with no consequence. To date, the Authority has been very satisfied with the RJN Group, Inc., and wishes to continue with the contract.

If approved, the year 2 of 3 of the flow monitoring services contract shall be invoiced to Fund 270-520981, which has \$116,000 budgeted for CY2018. The contract amount numbers have been taken into account for future budgets as well.

Please advise and thank you.

SECTION 5.4

**ALEXANDER CHEMICAL
CORPORATION – SODIUM
HYPOCHLORITE
AUTHORIZATION – YEAR
2 OF 3 YEAR AGREEMENT**

MEMORANDUM

TO: Executive Oversight Committee
FROM: David Goodalis, Operations Superintendent
DATE: January 11, 2018
RE: **Request for Authorization**
Hypochlorite Year Two of Three Contract Award Request



The Glenbard Wastewater Authority held a publicly advertised bid opening for the 3-Year Contract for Sodium Hypochlorite Supply on January 3, 2017 at 11:00 a.m. Alexander Chemical Corporation was the lowest responsive, responsible bidder. Alexander Chemical has been our Sodium Hypochlorite provider in the past prior to initiating the most recent contract, and GWA had no reason to deny them award of the new contract. The previous price the Authority was paying competitively per gallon of Sodium Hypochlorite was \$0.69 to Rowell Chemical Corp. from March 2014 until December 2016.

The bid tabulation sheet is attached for your review of the competitive bids received.

Univar USA	No Bid
Rowell Chemical Corp	\$0.725/ gallon
Alexander Chemical Corp	\$0.632/ gallon

The Operations Staff requests the EOC to award Alexander Chemical Corporation year two of the 3-year Sodium Hypochlorite supply contract for a unit price of \$0.632 per gallon delivered. The cost of the Sodium Hypochlorite will be expensed to the Glenbard's Stormwater Plant O&M CY 2018 budget line item 270-1 530440.

SECTION 5.5

**PVS CHEMICAL – SODIUM
THIOSULFATE
AUTHORIZATION – YEAR
2 OF 3 YEAR AGREEMENT**

MEMORANDUM

TO: Executive Oversight Committee

FROM: David Goodalis, Operations Superintendent

DATE: January 11, 2018

RE: Request for Authorization
Sodium Thiosulfate Year Two of Three Contract Award



The Glenbard Wastewater Authority held a publicly advertised bid opening for the 3-Year Contract for Sodium Thiosulfate Supply on December 1, 2016 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. While GWA does go out to bid every three years, 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, GWA had no reason to deny them award of the new contract.

The bid tabulation sheet is attached for your review of the competitive bids received.

Vendor	Price Per Gallon Quoted
Univar	No bid
PVS Minibulk	\$1.72/gallon
Rowell Chemical Corp.	No Bid
Alexander Chemical Corp	No Bid
Viking Chemical Corp	No Bid

GWA recommends the EOC to enter into the second year of a three-year contract to PVS Chemical, Detroit MI for the purchase and delivery of Liquid Sodium Thiosulfate at \$1.72 per gallon/delivered with the amount expensed to CY2018 O&M Budget 270-1-530440.

SECTION 5.6

RCC CLEANING – JANITORIAL SERVICE – YEAR 2 OF 3 YEAR AGREEMENT

MEMORANDUM

TO: Executive Oversight Committee

FROM: Gayle Lendabarker, Administrative Assistant

DATE: January 11, 2018

RE: **Request for Authorization**
Year 2 or 3 Janitorial Service Contract Renewal



In February 2017 GWA requested proposals for Janitorial Services based on five (5) days a week for Janitorial Services for three (3) years.

Below are the proposal results:

Contractor	5 days
RCC Cleaning	\$1020/mo
Multisystem Management Company	\$1,070/mo
Uni-Max Management. Company	\$1,300/mo
Alpha Building & Maintenance Services	\$1,321/mo
Eco-Clean Maintenance	\$1,367/mo
OpenWorks	\$1,448/mo
Jan-Pro of Northern Illinois	\$2,575/mo

RCC Cleaning presented the lowest proposal of \$1,020 per month for five day a week cleaning. The total cost of the contract is equal to \$36,720.

In March of 2017 the EOC awarded the three (3) year contract to RCC Cleaning of Mt. Prospect, Illinois for the total amount of \$36,720 over the three-year period. GWA requests authorization to proceed into year 2 of 3 of the contract for the amount of \$12,240 to be invoiced to account 270-520971 during CY2018.

SECTION 5.7

AIRGAS – LIQUID OXYGEN SUPPLY AUTHORIZATION AND ATMOSPHERIC VAPORIZER LEASE – YEAR 2 OF 3 YEAR AGREEMENT

MEMORANDUM

TO: Executive Oversight Committee

FROM: Matt Streicher P.E., Engineer/Assistant Director

DATE: January 11, 2018

RE: Request for Authorization
Year 2 of 5 Year Lease of Atmospheric Vaporizers and Airgas Liquid Oxygen Hauling Agreement.



In October 2016, after detailed evaluation and analysis, as well as based on qualifications and price, the EOC approved to enter into a 5-year agreement with **Airgas** for the hauling of liquid oxygen at the proposed pricing structure in the below table:

Year	O2 Price Schedule (per 100 cubic feet)	Delivery Charge
1	\$0.250	\$15,600
2	\$0.258	\$15,600
3	\$0.266	\$15,600
4	\$0.274	\$15,600
5	\$0.282	\$15,600

Also in October 2016 the EOC formally approved entering into a contract with **Airgas** for the leasing of atmospheric vaporizers for the amount of **\$1,500 per month** for the 5-year proposed liquid oxygen hauling schedule. The leasing is a fixed cost per month.

In CY2017 only \$241,157 was spent from the \$375,000 budgeted, however although liquid hauling was anticipated to start in January but did not actually start until April. At the average of \$27,163 per month delivered in CY2017, if liquid hauling occurred the entire year, it's estimated the Authority would have spent up to \$325,956. Due to the ability to reduce the amount of oxygen usage, we do not anticipate spending that entire amount this year, however \$325,000 was budgeted in CY2018 as a conservative amount until further trending has been determined.

If approved, year 2 of 5 of the liquid oxygen hauling contract shall be invoiced to Fund 270-530443. If the leasing of the atmospheric vaporizers is approved, year 2 of 5 of that contract shall be invoiced to Fund 40 Capital Plan, which has \$20,000 budgeted for CY2018. Both numbers have been taken into account for future budgets as well.

Please advise and thank you.

SECTION 5.8

VILLAGE OF LOMBARD SURVEY FEES REIMBURSEMENT AUTHORIZATION

MEMORANDUM

TO: Executive Oversight Committee

FROM: Matt Streicher, P.E. BCCE, Interim Executive Director

DATE: January 11, 2018

RE: Request to Reimburse Village of Lombard for Surveying for Forest Preserve of DuPage County Land Swap



The Village of Lombard executed an Easement Agreement with the DuPage Forest Preserve District in 1966 to provide for the lagoon facilities located immediately south of the CSO facility located off of Hill Avenue. Through the agreement, the Village of Lombard obtained the easement (10.795 acres) from the Forest Preserve District of DuPage County (FPD) in March 1966. The resolution authorizing the granting of the easement for the construction of sewage disposal facilities was for a term of 50 years, which expired in March 2016. Through the IEPA regionalization of wastewater, which occurred in the late 1970's, the property became associated with the operation of the GWA. The lagoon facilities are essential for the continued operation of the CSO facility.

The Village of Lombard was notified that the easement agreement had expired and that the FPD was interested in renewing the agreement subject to their Ordinance pertaining to leases and easements. The terms of the FPD's policy would require that the Village, through GWA, had two options relative to the renewal of an agreement for the use of the property:

1. Enter into a 20-year License Agreement at a cost of \$26,267 per acre. The cost for the 20-year term would be a total of \$283,527.27
2. Enter into a 99-year Easement Agreement at fair market value as determined by the FPD. The current cost per acre is \$34,000, which is a total of \$367,030.

Given that GWA would be compensating the FPD for the fair market value of the property and only receiving 99 years of benefit, staff discussed the possibility of the GWA acquiring the title to the property for the fair market value. The FPD was receptive to the sale of the property, but offered another option that would involve the three entities (Lombard, Glen Ellyn, and the FPD) exchanging property. The exchange of properties would require no fiscal resources and would allow GWA to obtain the lagoon property and the FPD to obtain open space that is consistent with their mission.

What was being proposed by the FPD was the following

- Lombard, Glen Ellyn, GWA, and FPD enter into an IGA that conveys the property identified above from the FPD to Lombard. This is the site that was subject to the expired Easement granted to Lombard. The acreage is currently 9.6 acres in size.
- The IGA would further convey an existing vacant Lombard property to the FPD. The property is 5.0 acres and is adjacent to the sludge lagoons at the main GWA facility.

- The IGA would also have had an additional Village of Glen Ellyn property that is approximately 4.5 acres conveyed to the FPD.

In order to complete the preparation of the IGA, which would have been brought to the three agencies for approval, proper plats of survey and legal descriptions were necessary.

Unfortunately, due to conditions on the parcel adjacent to the sludge lagoons at the GWA main facility, the FPD no longer wishes to pursue the property exchange. However, the completed plats of survey and legal descriptions were necessary to investigate the transaction.

The Authority is requesting the Executive Oversight Committee authorize payment to reimburse the Village of Lombard **\$26,106.78** in relation to the Professional Survey Work done by Jorgensen & Associates. This amount will be taken out of the designated amount in CY2018 Approved Budget, Fund 40 Capital, for the purposes of Property Acquisition.

LEGISTAR # 170069
DISTRICT ALL

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

 X Resolution or Ordinance (Blue) *Waiver of First Requested*
 Recommendations of Boards, Commissions & Committees (Green)
 Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: Scott Niehaus, Village Manager

DATE: February 14, 2017

BOT DATE: March 2, 2017

TITLE: A RESOLUTION AUTHORIZING THE SIGNATURE OF THE
VILLAGE PRESIDENT ON A PROPOSAL: Glenbard Wastewater
Authority - DuPage Forest Preserve District Land Swap

SUBMITTED BY: Carl Goldsmith, Director of Public Works *CJ*

BACKGROUND/POLICY IMPLICATIONS:

The Village is seeking to enter into an intergovernmental agreement with the DuPage County Forest Preserve District and the Village of Glen Ellyn for property used in conjunction with the operation of the Glenbard Wastewater Authority. The exchange requires plats of survey and legal descriptions to be prepared for parcels included in the transaction. The Village has received a proposal for the preparation of the legal descriptions and plats of survey. The Village will be reimbursed by the Glenbard Wastewater Authority for the cost of the work.

FISCAL IMPACT/FUNDING SOURCE

\$26,106.78 Water & Sewer Fund (510.270.375.75350)

Review (as necessary):

Village Attorney X _____	Date _____
Finance Director X _____	Date _____
Village Manager X _____	Date _____

NOTE: Materials must be submitted to / approved by the Village Manager's Office by 12:00 pm, Wednesday, prior to the Agenda Distribution.



February 14, 2017

TO: Village President and Board of Trustees

FROM: Carl Goldsmith, Public Works Director *g*

SUBJECT: Glenbard Wastewater Authority - DuPage Forest Preserve District Land Swap

Background

The Village of Lombard executed an Easement Agreement with the DuPage Forest Preserve District in 1966 to provide for the lagoon facilities located immediately south of the CSO facility located off of Hill Avenue. Through the agreement, the Village of Lombard obtained the easement (10.795 acres) from the Forest Preserve District of DuPage County (FPD) in March 1966. The resolution authorizing the granting of the easement (attached) for the construction of sewage disposal facilities was for a term of 50 years, which expired in March 2016 this year. Through the IEPA regionalization of wastewater, which occurred in the late 1970's, the property became associated with the operation of the GWA. The lagoon facilities have been determined essential for the continued operation of the CSO facility. An aerial image below identifies the area subject to the easement.



The Village was notified that the easement agreement had expired and that the DuPage Forest Preserve District was interested in renewing the agreement subject to their Ordinance pertaining

to leases and easements. The terms of the District's policy would require that the Village, through GWA, had two options relative to the renewal of an agreement for the use of the property:

1. Enter into a 20 year License Agreement at a cost of \$26,267.00 per acre. The cost for the 20 year term would be a total of \$283,527.27.
2. Enter into a 99 year Easement Agreement at fair market value as determined by the DuPage Forest Preserve District. The current cost per acre is \$34,000, which is a total of \$367,030.

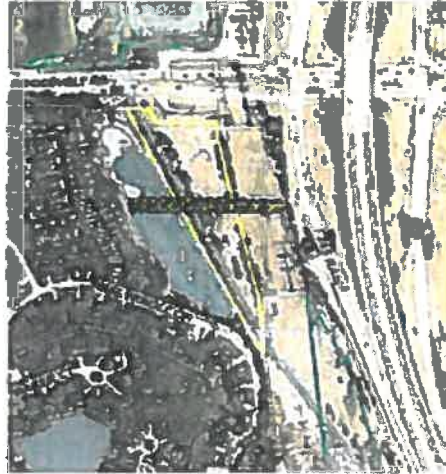
Given that GWA would be compensating the District for the fair market value of the property and only receiving 99 years of benefit, staff discussed the possibility of the GWA acquiring title to the property for the fair market value. The District was receptive to the sale of the property, but offered another option that would involve the three entities (Lombard, Glen Ellyn and the DuPage County Forest Preserve District) exchanging property. The exchange of properties would require no fiscal resources and would allow GWA to obtain the lagoon property and the District to obtain open space that is consistent with their mission.

What is currently being proposed by the FPD is the following:

- Lombard, Glen Ellyn, GWA and DFP enter into an IGA that conveys the property identified above from the DPC to Lombard. This is the site that was subject to the expired Easement granted to Lombard. The acreage is currently 9.6 acres in size.
- The IGA would further convey the property identified below, from Lombard to DFP. The property is 5.0 acres and is adjacent to the sludge lagoons at GWA facility.



- The IGA would also have the property identified below conveyed from Glen Ellyn to DFP. The property is 4.5 acres.



In order to complete the preparation of the IGA, which will be approved by the three (3) agencies in spring 2017, proper plats of survey and legal descriptions, must be prepared. In regard to the Lombard parcel, a single lot of record exists that is roughly 11.0 acres. Since the agreement only provides for the exchange of 5.5 acres of Village property, the legal description and plat is critical for the exchange.

The Village received a proposal from Jorgensen & Associates, Inc. for the preparation of the surveys and plats. The proposal is in the amount of \$26,106.78. The Glenbard Wastewater Authority will be reimbursing the Village of Lombard for the expenses related to the preparation of the plats and legal descriptions.

Recommendation

The staff recommends that the Village Board of Trustees approve a resolution authorizing the Village President to accept a proposal from Jorgensen & Associates, Inc. in the amount of \$26,106.78 for survey work related to the Glenbard Wastewater Authority.

RESOLUTION

R _____ 17

**A RESOLUTION AUTHORIZING THE SIGNATURE OF
THE VILLAGE PRESIDENT ON A PROPOSAL**

WHEREAS, the Corporate Authorities of the Village of Lombard have received a proposal from Jorgenen & Associates, Inc. for the preparation of plats of survey and legal descriptions for the exchange of property between the Village of Lombard, Village of Glen Ellyn and the DuPage County Forest Preserve District as attached hereto and marked Exhibit "A"; and

WHEREAS, the Corporate Authorities deem it to be in the best interest of the Village of Lombard to approve such agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS as follows:

SECTION 1: That the Village President be and hereby is authorized to sign on behalf of the Village of Lombard said proposal as attached hereto.

Adopted this _____ day of _____, 2017.

Ayes; _____

Nays: _____

Absent: _____

Approved this _____ day of _____, 2017.

Keith T. Giagnorio
Village President

ATTEST:

Sharon Kuderna
Village Clerk

APPROVAL AS TO FORM:

Thomas P. Bayer
Village Attorney



JORGENSEN & ASSOCIATES, INC.
LAND SURVEYORS
Est. 1890

February 13, 2017

Mr. Carl S. Goldsmith, P.E.
Director of Public Works
Village of Lombard
1051 South Hammerschmidt Avenue
Lombard, Illinois 60148

Re: Glenbard Wastewater Authority Survey Proposal

Dear Mr. Goldsmith:

Confirming your email of January 10th concerning the referenced project, I submit for your review and approval our proposal to provide the Village of Lombard with Professional Land Surveying services.

SCOPE OF SERVICES

We will survey the land associated with PIN's 05-24-100-005 and 05-24-400-006 as depicted on Exhibits D and F, and contained in the provided title commitments for the parcels.

All work will be prepared in accordance with the laws of the State of Illinois and with the 2016 ALTA/ACSM Land Title Survey standards and will include items 1, 4 and 11 from Table A of the Optional Survey Responsibilities and Specifications. Upon completion of the preparation of the ALTA/ACSM Land Title surveys we will provide you with an electronic PDF file and 6 certified copies of each survey.

We will begin this project upon receiving your notice to proceed and complete all work within 60 days of your notice.

We propose to complete this project under a cost plus fixed fee agreement with an upper limit of compensation of \$26,106.78, which includes a fixed fee for profit of \$3,306.10.

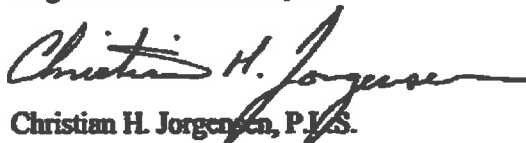


JORGENSEN & ASSOCIATES, INC.
LAND SURVEYORS
Est. 1960

Mr. Carl S. Goldsmith, P.E.
February 13, 2017
Page 2

I would like to thank you for considering Jorgensen & Associates for this project. We look forward to continuing our working relationship with the Village of Lombard. Should you have any questions, comments or require any further information concerning this proposal, please feel free to call me at (847) 356-3371.

Respectfully submitted,
Jorgensen & Associates, Inc.


Christian H. Jorgensen, P.E.S.
President

CHI/pt

Enclosure: Exhibits A & B
Cost Estimate of Consultant's Services
Manhour Breakdown
In House Direct Costs

Accepted by: _____

Title: Village President

Date: March 2, 2017

U:\Lombard\Glenbard Wastewater Authority\Scope of Services

Project: ALTA/ACSM Land Title Survey
Section: Glenbard Wastewater Authority
County: DuPage
Job No.:

Exhibit "A"

Payroll Burden & Fringe Costs

	<u>% of Direct Productive Payroll</u>
Federal Insurance Contributions Act _____	11.37%
State Unemployment Compensation _____	0.97%
Federal Unemployment Compensation _____	0.11%
Workmen's Compensation Insurance _____	0.96%
Paid Holidays, Vacation, Sick Leave, Personal Leave _____	10.79%
Bonus _____	7.01%
Pension _____	0.93%
Group Insurance _____	<u>35.63%</u>
Total Payroll Burden & Fringe Costs	67.77%

Project: ALTA/ACSM Land Title Survey
Section: Glenbard Wastewater Authority
County: DuPage
Job No.:

Exhibit "B"

Overhead and Indirect Costs

	<u>% of Direct Productive Payroll</u>
Business Insurance _____	4.48%
Depreciation _____	12.02%
Indirect wages and salaries _____	38.85%
Reproductive and printing costs _____	0.18%
Office Supplies _____	3.57%
Computer Costs _____	1.98%
Professional Fees _____	2.54%
Telephone _____	1.85%
Fees, license & dues _____	0.98%
Repairs and maintenance _____	0.96%
Business space rent _____	4.92%
Facilities - capital _____	0.66%
Travel - Meals _____	0.08%
Survey Supplies _____	2.80%
Automobile/travel expense _____	1.45%
Miscellaneous Expense _____	0.31%
State Income Tax _____	1.05%
Postage _____	0.20%
Educational & Professional Registrations _____	0.05%
Total Overhead	78.93%

FIRM NAME
PRIME/SUPPLEMENT

Jorgensen & Associates, Inc.
Prime

CONTRACT TERM
START DATE
RAISE DATE

12 MONTHS
3/1/2017
9/1/2017

DATE
PTB NO.

02/13/17
146.70%
3.00%

PAYROLL ESCALATION TABLE
FIXED RAISES

ESCALATION PER YEAR

3/1/2017 - 9/1/2017

6
12

50.00%
1.0150

9/2/2017 - 3/1/2018

6
12

51.50%

1.50%

The total escalation for this project would be:

02/13/17

FIRM NAME**PRIME/SUPPLEMENT**

PSB NO.

Prime

ESCALATION FACTOR

1.50%

[illegible]

FIRM	Jorgensen & Associates, Inc.	DATE	02/13/17
PSB		OVERHEAD RATE	1.467
PRIME/SUPPLEMENT	Prime	COMPLEXITY FACTOR	0

[illegible]

DBE 0.00%

FIRM
PSB
PRIME/SUPPLEMENT

13315

1 of 30

[illegible]

Project: ALTA/ACSM Land Title Survey
Section: Glenbard Wastewater Authority
County: DuPage
Job No.:

Manhour Breakdown

1. Field – Search & Locate Existing Monumentation

- | | |
|--|--------------|
| a. Search for monumentation
14 hours x 2 men = | 28 MH |
| b. G.P.S. & traverse
24 hours x 2 men = | 48 MH |
| c. Locate existing monumentation
36 hours x 2 men = | 72 MH |
| d. Located existing topography
24 hours x 2 men = | <u>48 MH</u> |

Sub-total Item #1 196 MH

2. Office – Compute Parcel Boundaries

- | | |
|---|--------------|
| a. Compute G.P.S. survey, traverse & input monumentation
5 hours x 2 men = | 10 MH |
| b. Research miscellaneous documents
2 hours x 1 man = | 2 MH |
| c. Compute parcel boundaries
48 hours x 1 man = | <u>48 MH</u> |

Sub-total Item #2 60 MH

2. Field – Monument Parcel Boundaries

- | | |
|-----------------------|-------|
| a. 16 hours x 2 men = | 32 MH |
|-----------------------|-------|

4. Office – Prepare ALTA/ACSM Land Title Surveys

a. CAD drafting 20 hours x 1 man =	20 MH
b. Write legal descriptions 3 hours x 1 man =	3 MH
c. Write certificates & notes 5 hours x 1 man =	5 MH
d. QC/QA 4 hours x 1 man =	<u>4 MH</u>

Total All Items	320 MH
-----------------	--------

Project: ALTA/ACSM Land Title Survey
Section: Glenbard Wastewater Authority
County: DuPage
Job No.:

**Breakdown of
In House Direct Costs**

Item

1. Field – Search & Locate Existing Monumentation

a. Trips to project site - 12 ea.
 $\pm 100 \text{ miles/trip} \times 12 \text{ trips} = \pm 1,200 \text{ miles}$
 $\pm 1,200 \text{ miles @ } \$0.53/\text{mile} =$ **\$ 636.00**

3. Field – Monument Parcel Boundaries

a. Trips to project site - 2 ea.
 $\pm 100 \text{ miles/trip} \times 2 \text{ trips} = \pm 200 \text{ miles}$
 $\pm 200 \text{ miles @ } \$0.53/\text{mile} =$ **\$ 106.00**

Total All Items \$ 742.00

SECTION 5.9

SUBURBAN LABS – CONTRACT LABORATORY SERVICES – ANNUAL OPEN PURCHASE ORDER AUTHORIZATION

MEMORANDUM

TO: Executive Oversight Committee
FROM: David Goodalis, Operations Superintendent
DATE: January 11, 2018
RE: Request for open Purchase Order for Contract Laboratory Services



In late 2016 the Operations and Laboratory staff solicited three quotes for laboratory professional services for three-year period starting in 2017. Per Village of Glen Ellyn Purchasing Policy Section B.5., since this is a recurring/ongoing service, quotes only need to be obtained once every three years, so long as the cost remains competitive and there is no significant change to the scope of goods/services. The quotes were solicited for CY2017 from the following three qualified laboratories.

<i>Laboratory</i>	<i>Price for One Calendar Year of Service</i>
Suburban Labs	\$25,001.50
First Environmental Labs	\$25,663.40
Teklabs	\$26,426.50

The total cost of service includes Analysis for Permit Requirements and Process Samples. Only Permit requirements are mandated to be done by a certified lab.

Suburban Labs projected a cost of \$25,001.50 for a one-year period based on information provided to them from the Authority. The cost can be variable as call out work is required for the Stormwater Facility during rain events, as well as any extra sampling that might be required for our permit discharge or special condition on river sampling.

This professional service is budgeted in the CY2018 O&M budget account #270-520806 Prof. Serv. Laboratory in the amount of \$30,000. The Operations and Laboratory staff kindly requests the Executive Oversight Committee to approve an open purchase order for a not to exceed amount of \$30,000 for CY2018 as budgeted.

SECTION 5.10

DEMAND LOAD RESPONSE REVENUE – AGREEMENT WITH NRG

MEMORANDUM

TO: Executive Oversight Committee

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

DATE: January 11, 2018

RE: Enter into Agreement with NRGCS for Demand Load Response Revenue



In the past, the Authority has entered into agreements for a Demand Load Response program, where the Authority agrees to run the backup generators under certain circumstances, and is compensated for participation. This program is run by PJM Interconnection, a regional transmission organization that coordinates the movement of wholesale electricity in all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia, and the District of Columbia. However, the program is administered to participants by various brokers. Several years ago, the Authority was deemed no longer eligible to participate in the program due to new air emissions standards released by the EPA, as the Authority's backup generators no longer qualified as approved generators for the program.

Recently, the Authority was approached by several different brokers with offers to upgrade the generators to the required air emissions standards, in exchange for revenue sharing with the brokers. After evaluating the proposals, and options, Authority staff and the TAC agreed on an agreement with NRGCS. NRGCS will pay for the improvements to be performed on the Authority generators (approximately \$130,000), and then split the revenue 50/50 from the program for a 6-year period. This avoids the Authority having to spend capital dollars in order to upgrade the generators, but still allows us to benefit from an extra revenue stream.

The program mandates that the Authority run the backup generators and not draw power off the grid during a 1-hour pre-notified time period between June 1 – September 30. The Authority will receive a minimum base compensation as summarized in the below table.

	2018	2019	2020	2021*	2022*	2023*
GWA Revenue	\$36,026	\$25,085	\$25,749	\$26,328	\$26,920	\$27,526

* Estimated

If the Authority is called upon for an actual emergency and needs to run the generators in order to not draw power off the grid, PJM and/or NRGCS is required to provide notification within 30 minutes prior to the event, and limit the duration to 10 hours between the hours of 10am and 10pm. In the event of an actual emergency, the Authority would be compensated based on the duration of the event, and the Authority would receive 80% of the compensation from PJM while NRGCS would receive the other 20% (instead of the 50/50 split just for participation). This type of emergency event has never been requested of the Authority, is rare for the Midwest zone, and has not occurred in this region in over 20 years.

The agreement with NRGCS is under review as needed by Greg Dose, the Authority's Attorney.

Authority staff recommends the EOC approve entering into a 6-year agreement with NRGCS for Demand Load Response participation per the Authority's Attorney's approval.

SECTION 6.0

DISCUSSION

SECTION 6.1

IEPA – VIOLATION NOTICE UPDATE

MEMORANDUM

TO: Executive Oversight Committee
FROM: Matt Streicher P.E., Engineer/Interim Director
DATE: January 11, 2018
RE: IEPA Violation Update



On November 20, 2017 the Authority's legal representation in regards to IEPA matters, Fred Andes from Barnes & Thornburg Law, submitted the official response to the October 3, 2017 Notice of Violation for Odors to the Glenbard Wastewater Authority. Part of the response included a request to meet with IEPA officials to discuss the proposed compliance commitment agreement. Authority Staff, along with Mr. Andes, then met with the IEPA on December 5, 2017 and further discussed the original response. IEPA provided comments for items they would require to be included in the compliance commitment agreement, which were then incorporated into the response and it was resubmitted January 3, 2018. A copy of the official response and compliance commitment agreement is attached to this memo for reference. When received and accepted by the IEPA, no further action will be taken towards the Authority.

IN THE MATTER OF:)
)
Glenbard Wastewater Authority)
Glen Ellyn, Illinois) ILLINOIS EPA VN W-2017-50078
IL0021547) BUREAU OF WATER

I. Jurisdiction

- ## II. Allegation of Violations

- ### III. Compliance Activities

4. On November 20, 2017, the Illinois EPA received Respondent's response to VN W-2017-50078 which included proposed terms for a CCA. The Illinois EPA has reviewed Respondent's proposed CCA terms, as well as considered whether any additional terms and conditions are necessary to attain compliance with the alleged violations cited in the VN.
5. Respondent has undertaken, and agrees to complete and continue to maintain, the following actions, which the Illinois EPA has determined are necessary to maintain compliance.
 - a) Respondent updated its digester process in 2010, which created extra capacity and enables it to convert waste grease from food establishments into biogas that is utilized in engines to create energy and hot water. In 2016 a new Combined Heat and Power Facility was constructed, along with a high strength waste receiving station. The high strength waste, otherwise known as Fats Oils & Grease (FOG) is material that has been accepted at the facility since September 2016. In late July/early August 2017, haulers delivering FOG began to make more regular and consistent deliveries, eventually overloading the digesters and causing the digesters to get upset. This change to the digesters happened quickly and created an odor.
 - b) Respondent started notifying haulers on August 8th of the concern, and by August 15th was not accepting any more FOG. Staff immediately started the remediation process, ordering sodium bicarbonate (baking soda) on August 7th for an August 8th delivery to add to each of the digesters to settle the acid levels. More than 50,000 pounds of sodium bicarbonate was added through the months of August and early September. This addition was discontinued as of September 16th.

- c) Respondent purchased foam eliminator and additional odor control chemicals to reduce odor emissions from the digesters. Completed September 1, 2017.
- d) Respondent installed a new pump (\$19,000 cost), so that when FOG intake resumes, FOG can be pumped from the holding tanks into the digester at a slower, more constant rate over 24 hours versus 11 hours. Completed September 13, 2017.
- e) Respondent re-seeded its largest digester with digested sludge from the Wheaton Sanitary District. Completed September 20, 2017.
- f) Respondent removed its gravity thickener from service and cleaned it, in order to further reduce the possibility of odors. Completed September 26, 2017.
- g) Respondent removed its primary tank from service for cleaning. Completed September 28, 2017.
- h) Portable deodorizers were placed around the digesters. Completed August 9, 2017.
- i) A small weather station has been ordered and installed. Completed October 12, 2017.
- j) Respondent is developing a more consistent approach to feeding the digester in the future. This will be documented as a standard operating procedure which will be followed. As part of the standard operating procedures, a maximum limit allowed will be determined that will be closely monitored. Key elements of the standard operating procedure will be as follows:

1. A feasible amount of high strength waste the Authority is able to receive will be calculated based on volatile solids loading bases, volume of storage available, and an acceptable feed rate to the digesters.
2. An attempt will be made to use one sole hauler for delivery of high strength waste to the Authority so that greater control of delivery amounts and materials can be had. Prior to authorizing a hauler to begin delivering high strength waste to the Authority, a one-time representative sample will be required so that the Authority may run a thorough analysis on it in order to ensure it is suitable for co-digestion.
3. A lock will be placed on the receiving station to ensure staff will be present when unloading of high strength waste occurs to ensure proper volumes are delivered, and the Authority does not receive a greater volume than what had been determined feasible. Staff will unlock the receiving station upon determination that there is sufficient volume available, and place the lock back on the receiving station after unloading is complete to prevent unauthorized deliveries.
4. Samples of each individual load delivered will be required. The sample will be held for a month for two main purposes; in the event of any upset conditions the sample may be analyzed to determine if any potential containments are present, and at the end of the month period the sample may be included in a overall composite sample to determine representative volatile solids loading amounts in high strength wastes.

Standard Operating Procedures are expected to be completed during the first quarter of 2018 and will be provided to IEPA, for its information, when complete.

- k) A neighborhood ad-hoc committee will be established (if there is sufficient interest), and the guidance of that group will be considered before Respondent starts accepting high strength waste again. At that point, a more thorough vetting process will be performed prior to entering into agreements with haulers, and strict limits to the volumes accepted on a daily basis will be imposed as described in the proposed standard operating procedures. No volunteers came forward for the neighborhood ad-hoc committee, therefore the Authority will share the finalized standard operating procedures with local representatives, the neighboring school district, and other interested parties. These parties may provide input that could affect the standard operating procedures.
- l) Once all violations have been corrected and Respondent is currently in compliance, Respondent must submit certification (or a statement) of compliance. You may submit the attached "Illinois EPA Compliance Statement" or other similar writing to satisfy the statement of compliance.

IV. Terms and Conditions

6. Respondent shall comply with all provisions of this CCA, including, but not limited to, any appendices to this CCA and all documents incorporated by reference into this CCA. Pursuant to Section 31(a)(10) of the Act, 415 ILCS 5/31(a)(10), if Respondent complies with the terms of this CCA, the Illinois EPA shall not refer the alleged violations that are the subject of this CCA, as described in Section II above, to the Office of the Illinois Attorney General or the State's Attorney of the county in which the alleged violations occurred. Successful completion of this CCA or an amended CCA shall be a factor to be weighed, in favor of the Respondent, by the Office of the Illinois Attorney General in determining whether to file a complaint on its own motion for the violations cited in VN W-2013-50177.
7. This CCA is solely intended to address the violations alleged in Illinois EPA VN W-2013-50177. The Illinois EPA reserves and this CCA is without prejudice to, all rights of the Illinois EPA against Respondent with respect to noncompliance with any term of this CCA, as well as to all other matters. Nothing in this CCA is intended as a waiver, discharge, release, or covenant not to sue for any claim or cause of action, administrative or judicial, civil or criminal, past or future, in law or in equity, which the Illinois EPA may have against Respondent, or any other person as defined by Section 3.315 of the Act, 415 ILCS 5/3.315. This CCA in no way affects the responsibilities of Respondent to comply with any other federal, state or local laws or regulations, including but not limited to the Act, the Board Regulations and NPDES Permit IL0029530.
8. Pursuant to Section 42(k) of the Act, 415 ILCS 5/42(k), in addition to any other remedy or penalty that may apply, whether civil or criminal, Respondent shall be liable for an additional civil penalty of \$2,000 for violation of any of the terms or conditions of this CCA.
9. This CCA shall apply to and be binding upon the Illinois EPA, and on Respondent and Respondent's officers, directors, employees, agents, successors, assigns, heirs, trustees, receivers, and upon all persons, including but not limited to contractors and consultants, acting on behalf of Respondent, as well as upon subsequent purchasers of Respondent's facility.
10. In any action by the Illinois EPA to enforce the terms of this CCA, Respondent consents to and agrees not to contest the authority or jurisdiction of the Illinois EPA to enter into or enforce this CCA, and agrees not to contest the validity of this CCA or its terms and conditions.
11. This CCA shall only become effective:
 - a) If, within 30 days of receipt, Respondent executes this CCA and submits it, via certified mail, to the Illinois EPA, Susan Lee, Bureau of Water, MC#19, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, IL 62702. If Respondent fails to execute and submit this CCA within 30 days of receipt, via certified mail, this CCA shall be deemed rejected by operation of law; and
 - b) Upon execution by all Parties.
12. Pursuant to Section 31(a)(7.5) of the Act, 415 ILCS 5/31(a)(7.5), this CCA shall not be amended or modified prior to execution by the Parties. Any amendment or modification to this CCA by Respondent prior to execution by all Parties shall be considered a rejection of the CCA by operation of law. This CCA may only be amended subsequent to its effective date, in writing, and by mutual agreement between the Illinois EPA and Respondent's signatory to this CCA, Respondent's legal representative, or Respondent's agent.

AGREED:

FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:

BY: _____

Roger Callaway
Compliance Assurance Section
Division of Water Pollution Control
Bureau of Water

DATE: _____

FOR RESPONDENT:

BY: _____

DATE: _____

Illinois EPA Compliance Statement

You are required to state that you have returned to compliance with the Act and the regulations that were the subject of the violation notice (VN) (415 ILCS 5/31). The owner of the facility must acknowledge compliance and/or that all compliance commitment agreement (CCA) interim measures/events have been successfully completed and compliance has been achieved.

Please complete, sign, and return.

I _____ (print name), hereby certify that all violations addressed in Violation Notice (VN) number _____ have been addressed and that compliance was achieved on _____ (date).

Signature

Title

Telephone Number

Date

Be sure to retain copies of this document for your files. Should you need additional notification forms, please contact this office at (217)785-0561. Return this completed form to:

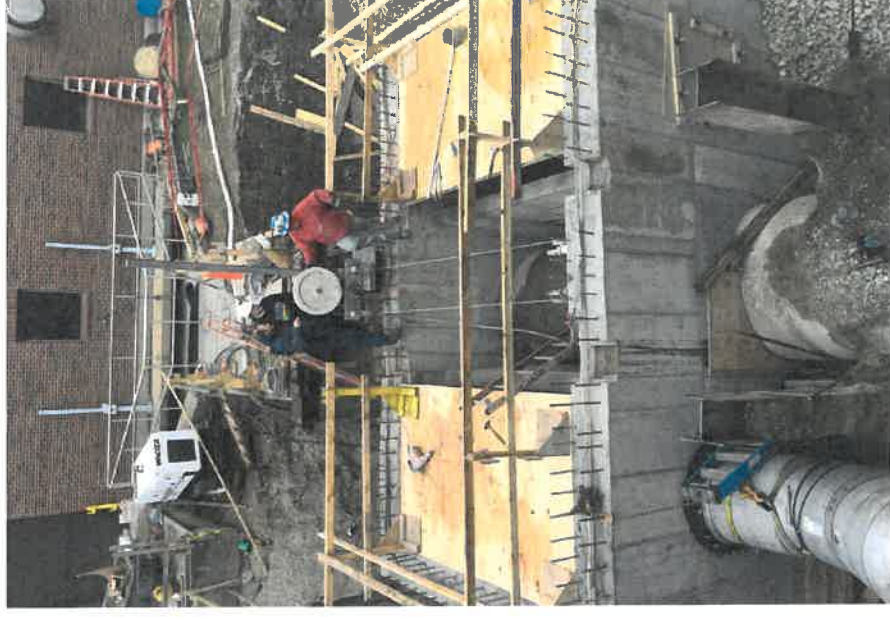
Illinois Environmental Protection Agency
Compliance Assurance Section # 19
Bureau of Water
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

"Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Agency, related to or required by this Act, a regulation adopted under this Act, any federal law or regulation for which the Agency has responsibility, or any permit, term, or condition thereof commits a Class 4 felony..." (4/15 ILCS 5/44(h) (8))

SECTION 6.2

FACILITY IMPROVEMENT PROJECT - UPDATE

FIP Project Update



- Work Completed Since Last EOC Meeting
 - Effluent Structure Built
 - New Disc Filters Installed
 - New Disc Filter training, field testing, performance testing, etc.
 - Sidewalks Poured
 - Non-Potable Water Installation Completed
 - Non-Potable Water Strainer Installed
 - Natural Gas Installation Completed
 - 177 Submittals
 - 36 Requests for Information
- Work Anticipated Prior to Next EOC Meeting
 - Remaining Disc Filter Demolition
 - Earth Retention System for Raw Pump Station???



FIP Tracking

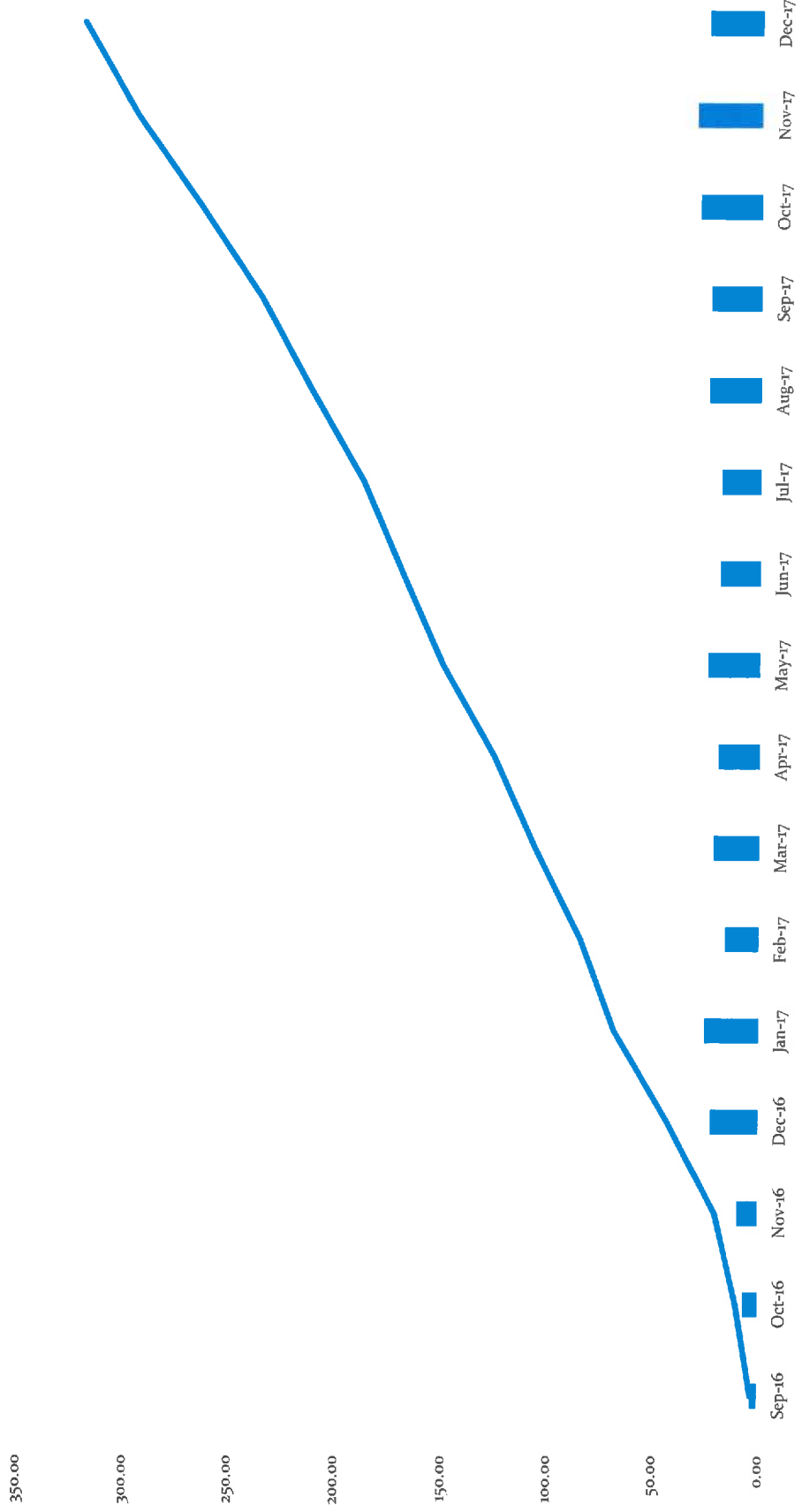


Days Remaining Until Final Completion (11/19/2019): 678



FIP GWA RE Tracking

■ GWA RE Hours — GWA RE Hours To Date



SECTION 7.0

OTHER BUSINESS

SECTION 7.1

**CHP – S.O.P. UPDATE/GWA
AD HOC CHP
OPERATIONS
COMMITTEE
APPLICANTS**

MEMORANDUM


TO: Executive Oversight Committee
FROM: Matt Streicher, P.E. BCEE, Interim Executive Director
DATE: January 11, 2018
RE: CHP SOP Update/GWA Ad-Hoc CHP Operations Committee



Authority staff has been putting together a draft Standard Operating Procedures in relation to accepting high strength waste, co-digesting the high strength waste with our municipal sludge, and other related operational procedures. Environmental Resources Coordinator, Laurie Frieders, authored the original draft of the document, and operational, laboratory, and administrative staff all met to discuss it at greater lengths. The Authority's consulting engineer, Baxter & Woodman, also contributed by providing the basis of design from the original CHP/High Strength Waste Receiving station, which laid out base line information and assisted in the calculations needed to determine appropriate amounts of loading. From the original basis of design, an updated basis for high strength waste receiving and mixing was put together. This document was further reviewed by the TAC as well.

Draft versions of both the standard operating procedure and calculations worksheet are attached to this memo for the EOC's preliminary review and input. The Authority still plans to visit a neighboring treatment facility during the month of January who has successfully been receiving high strength waste and gain insight of their operation, in order to incorporate other procedures into the Standard Operating Procedure. Authority staff has been in discussions with the Village Managers on how to proceed with the public communication portions of the procedures.

At this time, staff is seeking any feedback from the EOC on the SOP's. The goal of Authority staff is to bring final documents to a future EOC meeting for final approval.

	STANDARD OPERATING PROCEDURE	
	HIGH STRENGTH WASTE RECEIVING	
	Date Approved:	Approved By:

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. No staff shall be held liable for an upset condition as long as these procedures are followed.

Commented [MS1]: Operators comment – I feel it's a bit strong, and already implied, but figured I'd leave it for comment. Perhaps it could be worded differently.

SCOPE: This SOP covers all aspects of receiving HSW. Therefore, it is broken down into sections as detailed below.

It is desirable to use one sole hauler for delivery of high strength waste to the Authority so that greater control of delivery amounts and 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																	
<ol style="list-style-type: none"> 1. A Laboratory analysis of the proposed feedstock other than grease trap waste must be obtained and reviewed. 2. The hauler may provide the analysis from an outside laboratory or it may be analyzed by the GWA laboratory staff. 3. The analysis must contain the following parameters at a minimum. <table border="1" data-bbox="198 1287 1019 1423"> <thead> <tr> <th>Parameter</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>CBOD</td> <td>60,000</td> <td>N/A</td> </tr> <tr> <td>pH</td> <td>2</td> <td>8</td> </tr> <tr> <td>%VSS</td> <td>60%</td> <td>100%</td> </tr> <tr> <td>Sulfites</td> <td>?</td> <td>?</td> </tr> </tbody> </table> 4. The ERC is responsible for reviewing the data provided and accepting or declining the feedstock based on the established range of parameters. 5. The ERC may decline feedstock that meets the analysis criteria but there are other concerns such as consistency or other risk factors. 6. The Executive Director has the final approval or disapproval in all instance. <u>The Authority has the right to refuse any feedstock or hauler.</u> 			Parameter	Minimum	Maximum	CBOD	60,000	N/A	pH	2	8	%VSS	60%	100%	Sulfites	?	?
Parameter	Minimum	Maximum															
CBOD	60,000	N/A															
pH	2	8															
%VSS	60%	100%															
Sulfites	?	?															

Commented [MS2]: Ask DGSD about what they test for and any particular ranges

Part 2	Staff Responsible: Environmental Resources Coordinator
Hauler Qualification	
<ol style="list-style-type: none"> 1. Prior to delivering feedstock, proposed haulers must complete a permit application/contract agreement. 2. Haulers must provide proof of insurance with the following minimum coverage: 3. Comprehensive General Liability Insurance in the amount of One Million Dollars (\$1,000,000) covering personal injury, bodily injury and property damage including contractual liability insurance; 4. Comprehensive Automobile Liability Insurance in the amount of Two Hundred Fifty Thousand Dollars (\$250,000) covering personal injury, bodily injury and Five Hundred Thousand (\$500,000) Property damage. 5. Worker's Compensation insurance in the minimum amounts required by statute. 6. 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 coverage's and shall be in effect at all times. Updated certificates of insurance shall be submitted annually to the Authority. 7. The Environmental Resources Coordinator is responsible for reviewing the information submitted and recommending that the hauler be approved or disapproved. 8. The Executive Director has the final approval or disapproval in all instance. 	

Commented [MS3]: Attorney Review Insurance Requirements

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Part 3	Staff Responsible: Operations Department
Feedstock Receiving	Back-Up Staff: ERC
<p>10-9. Haulers must stop at gate and push button to announce arrival and open the gate.</p> <p>11-10. A member of the operations team will meet the hauler at the receiving station to unlock it.</p> <p>12-11. Prior to unlocking the station to commence discharge, the operator must check the daily log to ensure that there is capacity and the maximum gallons-volume of waste received will not be exceeded by the acceptance of the load. <u>The criteria for the maximum volume of waste allowed to receive will be found in Schedule A of these SOP's.</u></p> <p>13-12. The hauler is to provide a completed manifest for the load.</p> <p>14-13. The hauler must fill out the label on an Authority provided sample container and use the container to grab a sample of the load as it is discharging.</p> <p>15-14. The sample is to be placed in the <u>small refrigerator that is located</u> designated spot near the desk located in the garage of the press building (Building P).</p> <p>16-15. A member of the operations team will observe the discharge to check for possible contaminants.</p> <p>17-16. Should the load appear to be contaminated, the operator must stop the hauler from discharging anymore of the suspect load.</p> <p>18-17. When the discharge is complete, the operator will re-lock the station.</p> <p>18. 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.</p>	

Commented [MS4]: Does DGSD do anything other than visual inspection per load?

19. Deliveries will only be received when full time staff is present, i.e. M-F 7am-4pm, excluding holidays.
19.20.

Part 4	Staff Responsible: Operations/Laboratory
Processing of HSW Samples	
<p>1. At the end of each day, a member of the operations team is to collect all load sample bottles <u>from the digester in Building P, ensure they are labeled properly,</u> and place them in the laboratory refrigerator in the designated area.</p> <p>2. <u>If the Authority is to receive loads from multiple haulers,</u> Laboratory staff will choose samples at random to analyze.</p> <p>3. Laboratory staff is to ensure that if there are multiple haulers throughout a month that the random samples reflect each of the haulers.</p> <p>4. <u>If the Authority is to receive loads from multiple haulers,</u> The the results of these random samples will be entered into OPS works by hauler in the FOG worksheet.</p> <p>5. All samples are to be saved for the month, and at the end of the month composited and analyzed for the parameters in Part 1.</p> <p>5.6 Sample jars are to be provided by the Authority with labels.</p> <p>6.7 The results of this composited sample are to entered into OPS works on the <u>XXX 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 evalutated monthly (or weekly).</u></p> <p>7.8 Laboratory staff is to take a sample of the digester each day <u>three times a week (Monday, Wednesday, and Friday)</u> and analyze it for the <u>acids to alkalinity ratio. This data is to be -and recorded in XXXX in the "XXXX BINDER," as well as the XXXX sheet in OPSWorks.</u></p> <p>9. The Laboratory Services Coordinator and/or Operations Superintendent is responsible for reporting any changes to the ratio outside of the range of <u>XXXX</u>, to the Operations Superintendent <u>and Executive Director</u> immediately. <u>This range has been determined based on existing data from extended time periods when the Authority's digesters are operating without issue.</u></p> <p>8.10. <u>If the acids to alkalinity ratio range exceeds allowable limits, and/or the acids go about 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.</u></p> <p>9.11. 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. <u>(WHAT WOULD WE TEST FOR?)</u></p>	

Commented [MS5]: Ask DGSD. According to standard methods, VS should be taken within 7 days.

Commented [MS6]: Dave/Dave – what is the normal alkalinity to VA ratio? Lets set this parameter based on that.

Commented [MS7]: VOC's? Anything else? Sulfides? Lets ask DGSD what else they would test for.

Part 5	Staff Responsible: Executive Director/ Operations Department
Maximum HSW Daily Loading	

1. The Executive Director shall work with the Authority consultants to determine the maximum daily HSW ~~gallons volume~~ that may be received, ~~and that may be transferred to the digesters.~~
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~~, and an acceptable feed rate to the digesters.
- ~~2.3. 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~~
- 3.4. These calculations will be reviewed periodically for potential adjustment based on:
 - (a) Changes in the volatile solids loading base.
 - (b) Changes in equipment or process changes.
 - (c) Changes in the ~~normal range of the alkalinity ratio~~ ~~acids to alkalinity ratio.~~
5. ~~Since these calculations are to be reviewed periodically and subject to change, they are defined in the attached "Schedule A" excel spreadsheet.~~

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SCHEDULE A

Sludge Production

Design Loading (Per 2007 Anaerobic Improvements Project)

	Quantity	Units	Current Loading	Units
Total Sludge Production	32,400	Pounds Total Solids (TS) per day	Quantity	Pounds Total Solids (TS) per day
Volatile Solids (VS) Production	24,300	Pounds VS Per Day	14,288	Pounds VS Per Day
Solids Concentration	4.3	%	11,714	%
Flowrate	90,000	Gallons Per Day	2.7	Gallons Per Day
			59,287	

Anaerobic Digesters (Digesters 1 & 2 are primary digesters. Digester 3 is a unmixed and unheated digester. Digesters 1 and 2

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 Loading Rate	11,714	Pounds VS Per Day
Organic Loading Rate	60	Pounds of VS Per Thousand Cubic Feet Per Day
<i>Per the Illinois Recommended Standards for Sewage Works, a completely mixed anaerobic digester has a loading limit of 80 Pounds of Volatile Solids Per Thousand Cubic Feet Per Day</i>		
Allowable Organic Loading Rate	80	Pounds of VS Per Thousand Cubic Feet Per Day
VS Loading Capacity	15,594	Pounds VS Per Day
Additional Capacity for Digestion of High Strength Waste (HSW)	3,880	Pounds VS Per Day

Additional Volume of HSW at 8% TS & 96% VS (Typical)

6,057 Gallons Per Day

Total Volume to Primary Digesters Including HSW

65,344 Gallons Per Day

Digester Detention Time

22.31 Days (Illinois Recommended Standards for Sewage Works is No Less Than 15 Days)

VS Reduction

51.79 %

High Strength Waste/Fats, Oils, & Grase Receiving Station

Digesters 1 & 2 VS Loading Capacity

	Quantity	Unit
Allowable Organic Loading Rate	80	Pounds of VS Per Thousand Cubic Feet Per Day
Total Volume (Digesters 1 & 2)	194,920	Cubic Feet

Additional Volume of HSW at 8% TS & 96% VS (Typical)

6,057 Gallons Per Day

HSW/FOG Storage Tank Capacities

Tank Number 1 (West Tank)	5,062 Gallons
	37,864 Cubic Feet
Tank Number 2 (East Tank)	1,101 Gallons
	8,239 Cubic Feet
Volume of Tanks Total	6,163 Gallons

Typical Daily Schedule

	Monday	Tuesday	Wednesday	Thurs	Friday	Saturday	Sunday
HSW Volume Available to Start	45,975	40,975	35,975	30,975	25,975	20,975	30,975
HSW Volume Received into Holding Tanks*	15,000	15,000	15,000	15,000	15,000	0	0
HSW Volume Transferred to Digesters	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Tank Volume Remaining in Holding Tanks**	40,975	35,975	30,975	25,975	20,975	30,975	40,975

* - Due to a typical HSW tanker being 5,000 gallons, volume added to storage tanks must be in 5,000 gallon increments

** - At the end of the week we will have approximately extra 5,000 gallons stored that will not have been transferred to the digesters. This is assuming we do receive 3 full tankers per week day, which may not occur.

If we do have that excess, deliveries will be halted for an appropriate amount of time in order to make storage available again.

SECTION 7.2
TECHNICAL ADVISORY
COMMITTEE UPDATES



Glenbard Wastewater Authority

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

GWA Standing Technical Advisory Committee (TAC) Meeting Minutes November 30, 2017 10:30am

1. Ongoing Development of RFQ/RFP For GWA Engineering Shortlist
Mr. Streicher explained that a rough draft has been created and is still being worked on. The draft will be completed and brought to the TAC within the next 1-3 months
2. GWA Property Swap
 - a. EOC Agenda Item
Director Goldsmith stated that he has still be in discussions with Kevin Stough at the Forest Preserve of DuPage County in regards to this item. Director Goldsmith is proposing to the Forest Preserve that GWA still be able to purchase the entire parcel the lagoons lie on, and then grant an easement to the Forest Preserve for the area adjacent to the River that they would like to retain for future use. Mr. Streicher indicated that the reimbursement to the Village of Lombard for the surveying services will occur at the January EOC meeting.
3. Electrical Distribution RFQ/RFP
Directors Hansen and Goldsmith had no substantial comments. Mr. Streicher indicated that he will have GWA's legal consul review it prior to distribution. Mr. Streicher intends to distribute this the first or second week in December.
4. Facility Plan RFQ/RFP
Directors Hansen and Goldsmith commented that the "template" or "body" that contains the general conditions for this RFQ/RFP should mirror the Electrical Distribution RFQ/RFP, as it is more detailed. Mr. Streicher indicated that he will have GWA's legal consul review it prior to distribution. Mr. Streicher intends to distribute this the first or second week in December.
5. CHP SOP's
 - a. Downers Grove
 - b. Baxter & Woodman*Laurie Frieders joined in on this conversation. Mr. Streicher updated the TAC on the status of the SOP document that is being created, and ideas that will be implemented in the SOPs. Several thoughts were exchanged in regards to sampling loads, and ensuring that GWA would not receive any loads of material that may be toxic to the digesters. GWA staff informed the Directors that we do intend to get samples from every delivery of HSW, however it would not be feasible to test those samples prior to unloading it. Several other SOPs were discussed, such as digester parameters, unloading procedures, feed rates, etc. Mr. Streicher informed the TAC that Village Manager Franz would like to see a draft SOP by the start of the new year.*
6. Demand Load Response Program Proposals
 - a. Enernoc
 - b. NRG*Mr. Streicher updated the TAC on the two proposals GWA received to participate in the Demand Load Response program. In order to participate in the program, GWA backup generators needed emissions upgrades, and both providers agreed to pay for the upgrades. However, Enernoc was only financing the costs for the upgrades, and then taking the payments out of the revenue generated from participating in this program; NRG paid for the upgrades at their own risk. NRG did have a lower revenue split though, but*

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*it was still determined that without having to pay for the financing, NRG still had lower risks and better returns for GWA. The TAC requested that Mr. Streicher obtain the predicted revenues from NRG for a more apples to apples comparison to the predicted revenues from Enernoc, however the TAC advised Mr. Streicher to move forward with the NRG agreement. **The TAC approved recommending approval to enter into an agreement with NRG at the January EOC meeting.***

7. Other Business

a. SSO Report

i. 11/18/2017 SSO Violation

Mr. Streicher informed the TAC of the SSO that occurred on 11/18/2017 due to a power failure, and that it was reported to the IEPA. It is likely that GWA will receive a notice of violation for this SSO

b. Vacant Positions

i. Project Engineer

ii. Maintenance I

Mr. Streicher updated the TAC that the Maintenance I position has been advertised already, and that a job advertisement would be put together for the Project Engineer role, and most likely brought to the next TAC for review. Mr. Streicher indicated that when the interviews occur for the Maintenance I position; the interview team would most likely consist of Mr. Streicher and Mr. Braga, and perhaps Director Hansen and/or the VOG Human Resources staff if they wish to participate

c. Response to IEPA Notice of Violation

Mr. Streicher informed the TAC that the response to the IEPA for the NoV for odors was sent in by Fred Andes, and a conference call was scheduled with the IEPA for Monday December 4 at 3pm.

d. FIP Resubmittal Costs

Mr. Streicher informed the TAC that according to the FIP contract, the contractor was responsible for reimbursing GWA for all project submittals that had to be reviewed by the Engineer (Black & Veatch) more than twice. Black & Veatch provided a list of all the submittals that fell into that category, but not the total extra costs those reviews incurred. The TAC decided that a decision on how to move forward with this would be determined once those costs are presented to us, however Mr. Streicher needs to remind the contractor that we may be pursuing these costs, and thoroughness should be considered moving forward with submittals. The TAC also suggested that GWA track these expenses in the need we actually do pursue them from the Contractor

e. Sludge Hauling Contract

GWA has not bid out services for sludge hauling since 2012. At that time Stewards was awarded a 3-year contract, and that 3-year contract was extended in 2015, therefore it is expiring in February 2018. Due to the fact that the service has not been bid out in quite some time, and that recent data Mr. Streicher collected shows it may be possible to obtain a better price, the TAC suggests we bid out the sludge hauling contract. The TAC suggested that as part of this sludge contract bid, prices for hauling to landfill in worst case scenario should be requested, however the basis of bid should be on daily hauling to farm fields.

f. Budget Amendments

i. New Vehicle

ii. Screw Pump Covers

The TAC will postpone this discussion until the need arises

g. Contract w/Trotter & Associates for IDOT Work

Mr. Streicher explained to the TAC that he has requested a proposal from Trotter & Associates (TAI) for assistance with work related to the IDOT Rt. 53/Rt. 56 improvements. Mr. Streicher explained he did not go through the formal RFQ/RFP process since TAI had previously had a contract with GWA related to this work, and TAI also has a contract with Illinois American for the same project, therefore it was most logical to go with TAI. The TAC agreed that a formal RFQ/RFP process was not necessary due to TAI's previous involvement with GWA and this project, as well as their involvement in other aspects of the IDOT work, their qualifications to perform the job are apparent.

8. Old Business

a. Class A CDL's

i. Training

ii. Official Documentation

Not Discussed

b. Pretreatment Ordinance Status



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Director Goldsmith indicated that this is still in the hands of Lombard's lawyer

- c. 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

The TAC discussed the needed modifications to the IGA, and that the maps would be provided as an exhibit to demonstrate ownership of assets. The TAC also determined that Village ownership of sewers would end at the point they connect to GWA interceptors/assets, so that any connection issues that arise into GWA assets are the Village's responsibilities. Mr. Streicher indicated he would send GIS maps to Directors Hansen and Goldsmith for them to use to modify the IGA, as well as to print

9. Adjourn

Meeting adjourned at 12:14pm



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GWA Standing Technical Advisory Committee (TAC) Meeting Agenda

January 4, 2018

Meeting Start @9:35am

1. Proposed Policy for GWA Engineering Shortlist

Mr. Streicher shared the proposed policy with Directors Hansen and Goldsmith previously for comments. The document was largely based off the Village of Lombard's Engineering Shortlist Policy, therefore there were very little comments. Director Goldsmith provided a revised version of the document with a few grammatical comments, and also voiced his opinion that the request for fee proposals and negotiating fee schedules should not occur until after a consulting firm has been selected for a project. The draft document had it worded both ways, but both Public Works directors were OK with either format, as long as the document stayed consistent. The edits will be made to the draft document, and it will be brought to the February EOC meeting

2. CHP SOP Draft Review

Director Goldsmith provided comments on a separate version of the draft, but overall stated that the document looked good to begin with. His edits mainly consisted of grammatical revisions. Director Hansen asked if a maximum not to exceed volume of HSW was to be included in the SOP. Mr. Streicher responded that since the SOP was to remain a static document, and the ability to increase the volume of HSW delivery/addition to the digester was a possibility, the actual volumes would be included in separate documents that will be referred to as "Schedule A." Director Goldsmith agreed that the SOP shall just refer to items "in accordance with Schedule A." Director Goldsmith asked why Part 3 of the SOP was named "Feedstock Delivery," to which ERC Frieders replied that was just another term for HSW, but Feedstock shall be changed to HSW to avoid confusion. Both Directors wanted to make sure the SOP offered flexibility, which will be covered in Schedule A. Plans were discussed on how this document will be formally approved, since typically SOP's are not formally approved by the EOC. It was decided that this document needed to be approved by the EOC for public records. The TAC decided that plans to communicate the SOP with the Public would be up to the Village managers, as it was less of a technical aspect of it, but more of a public relations matter. Both Directors agreed that somewhere in the SOP it should state that efforts shall be made to deliver a consistent steady feed of HSW to the digesters rather than quick/large loads. Mr. Streicher emphasized that staff felt it important that a statement be added to the SOP that no staff shall be held liable for any upset conditions providing that the proper procedures are followed. Mr. Streicher also emphasized that the digesters are a biological process, and although following these procedures may reduce the potential for an upset, there is nothing to guarantee that an upset will not occur again – whether HSW is added to the digesters or just municipal sludge, there is always the possibility of an upset in a biological upset, similar to human digestion.

3. FIP Update

a. New Filter Operation

Mr. Streicher informed the TAC that the existing sandfilter demolition was officially starting today, and that the new disk filters had been in operation for over a month. Performance testing was performed and approved by the manufacturer.

b. Change Order Status

i. Discussion of imminent +/- \$200k change order

Mr. Streicher felt the need to bring the TAC up to speed on a future change order that would be passed through them for approval prior to going to the EOC

1. Transformer Sequencing Work (\$123k)

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An existing electrical conduit size was mislabeled during designed, which required the installation of a new conduit, and therefore affected the sequencing of the transformer installation due to the need for GWA to keep consistent power in the raw pump station facility. The first proposal for these changes was for approximately \$250k, and through GWA Electrical staff working with the Electrical Subcontract, it was brought down to \$220k, \$190k, and ultimately after all revisions were made the revised proposed cost is \$123k. This change is necessary for the raw pump station to be constructed properly.

2. New Conduit (50% split)

The final plans did not include installation of new lighting conduit in the filter building. Removal of some of the existing conduit was required in order to bring in the new filters, so the contractor has proposed splitting the cost for replacement of the lighting conduit in the filter room of the building. Since it's most desirable for the entire building to have all new conduit, GWA requested a breakdown of pricing for each room so that a decision can be made on whether or not to move forward with the remainder of the building, however it will be necessary to replace the conduit in the filter room itself. The contractor has not provided pricing for this item yet.

3. MCC

The original specification provided with the bid documents for the motor control centers was inadequate, and was missing breakers, needed starters instead of breakers, and other various specifications required by the Authority. The contractor has not provided pricing for this item yet.

4. Concrete Effluent Structure elevation increase

The consulting engineer designed the hydraulic grade line in accordance with the as-builts from 1977, which showed the Authority having a chlorine contact tank for disinfection. In 1995 the chlorine contact tank was replaced with a UV facility, but the consulting engineer was never provided with this information, resulting in the design of the new concrete effluent structure being designed/built at too low of an elevation. This will require the contractor to raise the structure. The contractor has not mentioned that a price increase will be requested for this due to extra materials and labor, but Mr. Streicher felt it necessary to inform the TAC of this item in the event a change order is requested.

c. Resubmittal Fees

Mr. Streicher had previously made the TAC aware that the consulting engineer had been charging the Authority for additional resubmittals of specifications made by the contractor, and that according to the contract, GWA could go after the contractor for these additional costs. The additional costs have been requested from the consulting engineer, but have not been provided yet. The TAC requested that Mr. Streicher identify if any of these additional submittals are worth pursuing against the contractor. Mr. Streicher has informed the contractor that GWA is considering pursuing these costs, however he feels the contractor would argue many of these, as the additional submittals may have been due to extraneous requirements.

4. Other Business

a. Vacant Positions

- i. Project Engineer
- ii. Maintenance I

The vacant position for the Project Engineer will be advertised after discussion with the EOC. The Maintenance I position application period ends tomorrow, and to date GWA has received 6 applications, some that look good.

b. Sludge Hauling Contract – January Advertisement

Mr. Streicher updated the TAC that there will be a bid opening on January 26 for the new bio-solids hauling contract

c. 12-17-2017 Odor Complaint



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Mr. Streicher informed the TAC that there had been several odor complaints in late December, but they were investigated, and no cause was found. The TAC ensured that GWA is recording these complaints, and the fact that they were investigated.

d. New Hill Avenue Flow Meter

No further discussion

e. Budget Amendments

i. New Vehicle

ii. House Demo

iii. Screw Pump Covers

Mr. Streicher requested advice on how to handle budget amendments. The TAC deferred this question to Finance Director Coyle.

5. Old Business

a. Electrical Distribution and Facility Plan RFQ/RFP

Mr. Streicher informed the TAC of the due dates for both RFQ/RFP's

b. Pretreatment Ordinance Status

Director Goldsmith stated that the Village of Lombard attorney has completed their review of the document, and that it was currently under VOL staff review. Director Goldsmith planned to have it in Village of Glen Ellyn and GWA's staff's hands by end of day Friday (January 5) for further review. ERC Frieders stated that GWA will be responsible for submitting the document to USEPA, and that she would follow up with them for further advice. ERC Frieders also stated that USEPA currently has long review periods due to still being backed up from the Flint, MI crisis.

c. Response to IEPA Notice of Violation

Mr. Streicher informed the TAC that after a meeting with the IEPA to cover the compliance commitment agreement, GWA's attorney (Fred Andes) formally submitted the revised CCA to IEPA yesterday (January 3, 2018)

d. GWA Property Swap

Director Goldsmith stated that after the property swap idea was abandoned, he approached the forest preserve about purchasing the entire lagoon property outright. The forest preserve responded by offering to sell 6 out of the approximate 9 acres, as they wanted to retain 3 acres for a river front trail, and that they would grant GWA (VOL) a 99 year easement in the 3 acres they were to retain. Since the relative cost for the 99 year easement was the same as purchasing the property, Director Goldsmith proposed to the forest preserve that GWA (VOL) purchase the entire property and instead grant the forest preserve the easement. To date the forest preserve has not responded.

e. House demo

Mr. Streicher informed the TAC that the contractor has applied for the permit with Village of Glen Ellyn, and we hope to see the house demolished some time soon.

f. NRG Agreement

Mr. Streicher informed the TAC that the agreement was currently under review with GWA's attorney, but was still on the EOC agenda, requesting approval per the Attorney's approval.

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

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No progress had been made on the investigations relating to modifying the IGA for sewer ownership related items.

6. Adjourn – *Meeting was adjourned at 10:47am*

SECTION 7.3

**NOVEMBER 18, 2017 –
SANITARY SEWER
OVERFLOW UPDATE**

MEMORANDUM

TO: Executive Oversight Committee
FROM: Matt Streicher, P.E. BCEE, Interim Executive Director
DATE: January 11, 2018
RE: November 18, 2017 Sanitary Sewer Overflow Update



At approximately 1:36 p.m. Saturday November 18, 2018, the plant lost one leg of the 3-phase power. This type of power outage (single-phase condition) caused the fuses for the controls that control the raw influent pumps to fail, which made the raw influent pumps inoperable. Although the backup generators immediately powered on and supplied power to the plant, the fuses had already failed, so the raw influent pumps would not function. Therefore, we were not able to pump any incoming flow to the plant. Starting at about 2:12 p.m. the influent wet well become completely full and started overflowing, and other drain lines that are connected to the wet well were backed up and overflowing as well. Almost all of the sanitary sewer overflow went into the DuPage River. Electrical staff was notified immediately after the power failure and came in as soon as possible, and the fuses were replaced, which allowed the raw influent pumps to be turned back on at approximately 3:42 p.m. At 3:53 p.m. the wet well level started to lower, and the overflows ceased. This type of failure has never occurred at the Authority before. Currently as part of the Facility Improvements Project, the raw pumps and associated electrical equipment is being replaced, which will reduce the potential of this situation in the future. However, these issues were not directly related to the construction.

This overflow had to be reported to the IEPA as a Sanitary Sewer Overflow (SSO), and most likely will result in the Authority being issued a Notice of Violation, and having to enter into a Compliance Commitment Agreement (CCA). The CCA will be simple, as the equipment that faulted is being replaced, and will not result in the Authority being penalized.

SECTION 7.4

PENDING AGENDA ITEMS



Glenbard Wastewater Authority

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2018 Pending EOC Agenda Items

Projects	Budget	Date	Status
Capital Improvement Projects			
Electrical Service Distribution System Design Engineering	\$250,000	March	
Facility Plan/Odor Control Study	\$150,000	April	
Roof Rehabilitation	\$75,000	May	
Infrastructure Improvement			
Co-Gen Rooftop AC/Heater Replacement	\$20,000		
Telephone System Replacement	\$40,000		
UV Building AHU Replacement	\$40,000		
SCADA & LAN Server, Firewall Replacement	\$80,000		
Plant Fiber Testing & Repairs	\$30,000		
HSW Improvements Modifications	\$25,000		
Equipment Rehabilitation			
Admin. Chiller, Coil, Air Handler, & Duct Design	\$75,000		
Digester Cleaning	\$65,000		
CHP Siloxane and Hydrogen Sulfide Media Replacement	\$75,000		
Moyno Pumps (10) Spare Parts	\$25,000		
Televising & Cleaning of NRI & SRI	\$100,000	April	

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Gravity Thickener Bridge & Mechanism Painting	\$40,000		
CSO Grit Chamber Rehabilitation	\$30,000		
SRI Pump Station Concrete Lining	\$50,000		
Rolling Stock			
*Godwin 4" Trailer Mounted Pump	\$24,000	May	
*Electrical Work Van	\$44,000	February	
Administrative			
Forest Preserve Land Swap & Surveying Costs	\$150,000	January/TBD	Under DCFPD review
Pretreatment Ordinance Recommendation	-----	February	Under Village Legal Review

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SECTION 7.5

2018 EOC COMMITTEE MEETING SCHEDULE



Glenbard Wastewater Authority

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EXECUTIVE OVERSIGHT COMMITTEE 2018 MEETING SCHEDULE

January 11, 2018

February 8, 2018

March 8, 2018

April 12, 2018

May 10, 2018

June 14, 2018

July 12, 2018

August 9, 2018

September 13, 2018

October 11, 2018

November 8, 2018

Annual GWA Full Board Meeting – TBD

December 13, 2018

SECTION 8.0

NEXT EOC MEETING

THURSDAY

FEBRUARY 8, 2018

AT 8:00 A.M.

SECTION 9.0

**EXECUTIVE SESSION –
MATERIALS TO BE
PROVIDED UNDER
SEPARATE COVER**