

GLENBARD WASTEWATER AUTHORITY  
Executive Oversight Committee  
Agenda  
December 4, 2019  
**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 the first half of the month of November 2019 totaling \$445,606.17 (Trustee Christiansen).*

- 5.1 Executive Oversight Committee Meeting Minutes:  
November 12, 2019 EOC Meeting
- 5.2 Vouchers Previously Reviewed by: Trustee Christiansen  
November 2019 – Partial
6. Approval of contract with Trotter & Associates, Inc. for the Biosolids Dewatering Improvements Project Design Engineering

In October 2019 Authority staff developed and sent out a request for qualifications and technical proposals to our six shortlisted professional consulting firms for Design Engineering Services pertaining to the Biosolids Dewatering Improvements Project. The due date for the proposals was November 8, 2019.

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

It is recommended the EOC authorize the Authority to award Trotter & Associates, Inc. the Biosolids Dewatering Improvements Project Design Engineering Services in the amount not to exceed **\$472,300**, which includes \$202,600 for the design of a thermal

hydrolysis system. The Thermal Hydrolysis Design Phase shall be utilized only as authorized in writing by the Executive Director. If the Authority elects not to proceed with design of the thermal hydrolysis process following the evaluation phase, this fee will be removed from the scope, reducing the total not to exceed amount to \$269,700. This amount will be taken out of the designated amount in CY2020 Approved Budget, Fund 40 Capital, which has a \$330,000 budget number currently.

7. Request for Flow Meter Contract Approval

The Glenbard Wastewater Authority (GWA) has received proposals for flow monitoring services for the installation, operation, maintenance, monitoring, and leasing of seventeen (17) flow meters and five (5) rain gauges (lease only four [4] rain gauges) to be located throughout GWA's owned interceptors. The main purpose of these meters is to determine the flow splits between the two owning Villages in order to properly bill each Village for the treatment of their wastewater.

For the past three years, GWA has been utilizing RJN Group for ownership, operation, maintenance, data analysis, and reporting on the flow meters and rain gauges. According to the existing contract, GWA is paying \$10,149 per month, or \$121,788 per year for these services. Request for proposals were sent to three professional services; ADS, RJN Group, and Baxter & Woodman. ADS and RJN both submitted for the next three years of the same services, while Baxter and Woodman declined to propose. In addition, GWA asked for a price for hydraulic modeling of the sewer system to be included in the proposal, as the manager of the flow meter network would have a distinct advantage for creating a hydraulic model of GWA interceptors. As seen in the below table, GWA had budgeted \$132,000/year for monitoring and maintenance services, and \$60,000 in CY2020 for a hydraulic model.

The proposal costs were as follows:

Line Item	Item Description	Engineer Est. Unit Price	Extension	ADS Environmental Unit Price	Extension	RJN Group Unit Price	Extension
1	Flow Monitoring	\$ 132,000.00	\$ 396,000.00	\$ 103,344.00	\$ 310,032.00	\$ 115,788.00	\$ 347,364.00
2	Hydraulic Modeling	\$ 60,000.00	\$ 60,000.00	\$ 132,367.00	\$ 132,367.00	\$ 43,600.00	\$ 43,600.00
Base Bid Total:			\$ 456,000.00		\$ 442,399.00		\$ 390,964.00

Although the RFP was written to base selection of the contractor on the annual cost of the flow monitoring services, due to the qualifications provided for the hydraulic modeling, and the drastic price difference in that modeling, GWA has taken RJN's proposal into consideration. Certain benefits other than cost have been taken into consideration; such as both member Village's relationship and current work with RJN, no downtime required to switch out equipment (which could impact the reporting of flow), past quality of data and service provided by ADS, as well as the ability to have better continuity in the hydraulic modeling that would benefit both member Villages.

Due to the above reasons, the TAC came to a consensus, and it is recommended to authorize GWA to award RJN Group, Inc. the contract for flow monitoring services for

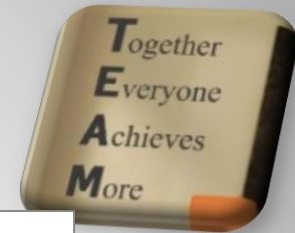
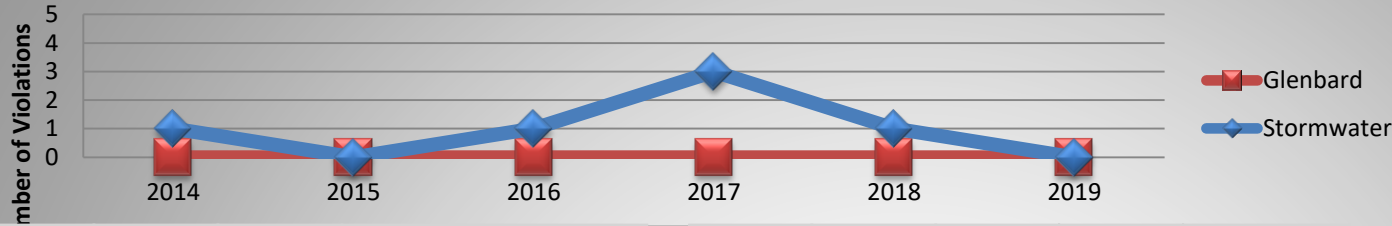
the period 2020-2022. The contract provides that GWA will issue a one-year contract with two (2) option years based upon the proposals submitted. The EOC will need to authorize years 2 and 3 of the contract based upon RJN's performance. In the event that RJN does not meet certain performance measures, GWA can withdraw from the contract with no consequence.

*Motion the EOC to authorize the Authority to award RJN Group of Wheaton, IL the budgeted three (3) year Flow Services Contract in the amount of \$9,649 per month. Invoiced to CY2020 O&M account number 270-520981*

8. Discussion
  - 8.1 Facility Improvement Project Update
  - 8.2 Property Acquisitions Update
9. Other Business
  - 9.1 Technical Advisory Committee Updates
  - 9.2 Pending Agenda Items
  - 9.3 2020 EOC Meeting Schedule
10. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, January 9, 2020 at 8:00 a.m. in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137***
11. 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).*

# NPDES Permit Violations



## Glenbard Plant: \*Current Record

2490 Days February 4, 2013 through November 30, 2019

Previous excursion free operating record:

1058 Days September 8, 2007 – April 10, 2010

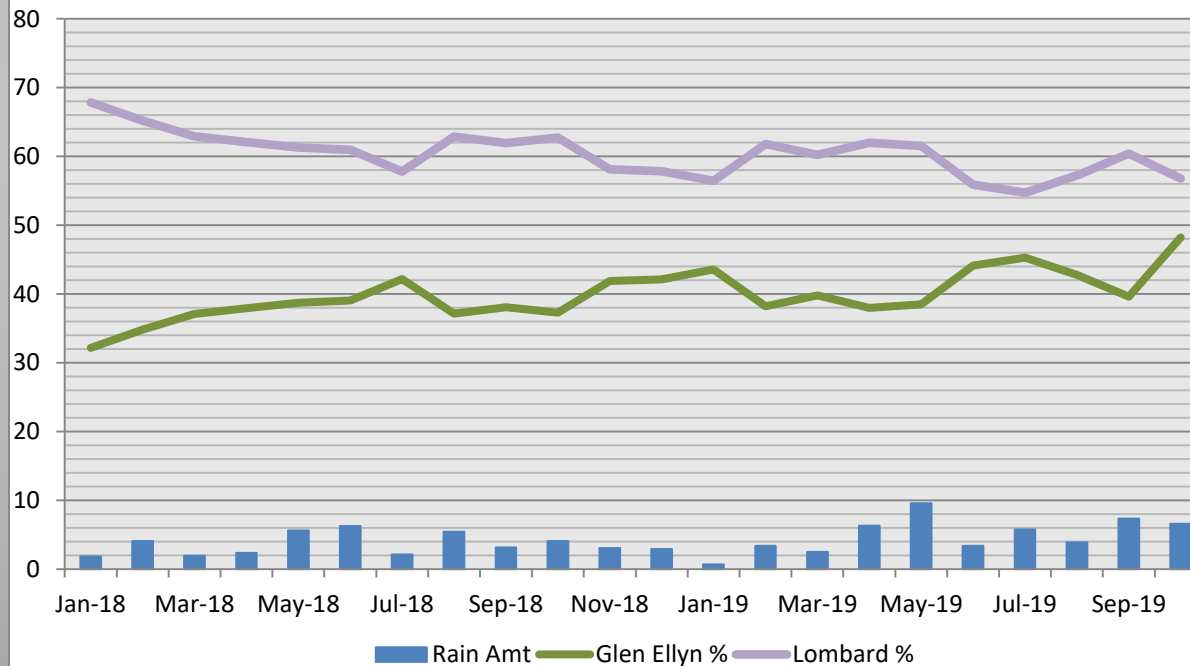
## Stormwater Facility:

594 Days April 15, 2018 through November 30, 2019

Current excursion free operating record:

1140 Days July 11, 2009 through August 27, 2012

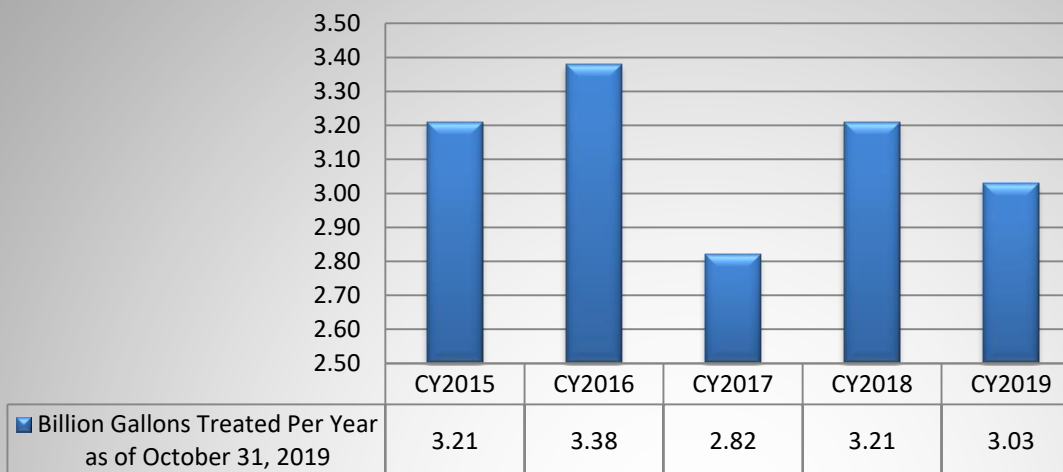
# Flow Billing Comparison



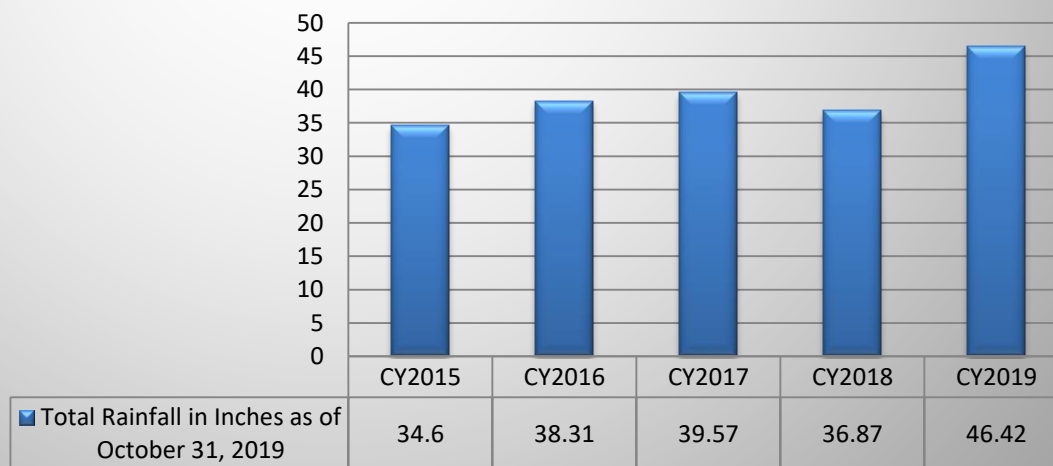
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19
Glen Ellyn %	32.1375	34.8096	37.099	37.9253	38.7104	39.0417	42.1798	37.1218	38.0773	37.2679	41.8807	42.139	43.5669	38.1926	39.7689	37.9926	38.464	44.1141	45.2611	42.76693	39.6144	48.2239
Lombard %	67.8625	65.1904	62.901	62.0747	61.2896	60.9583	57.8202	62.8782	61.9227	62.7321	58.1193	57.861	56.4331	61.8074	60.2311	62.0074	61.535	55.8859	54.7389	57.23307	60.3856	56.7761
Rain Amt	1.82	4.07	1.915	2.35	5.6	6.265	2.135	5.415	3.16	4.09	3.04	2.915	0.66	3.385	2.48	6.33	9.545	3.355	5.74	3.905	7.345	6.59



## Billion Gallons Treated Per Year as of October 31, 2019



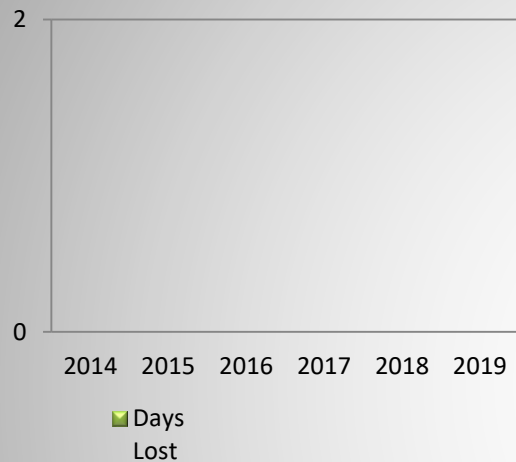
## Total Rainfall in Inches as of October 31, 2019



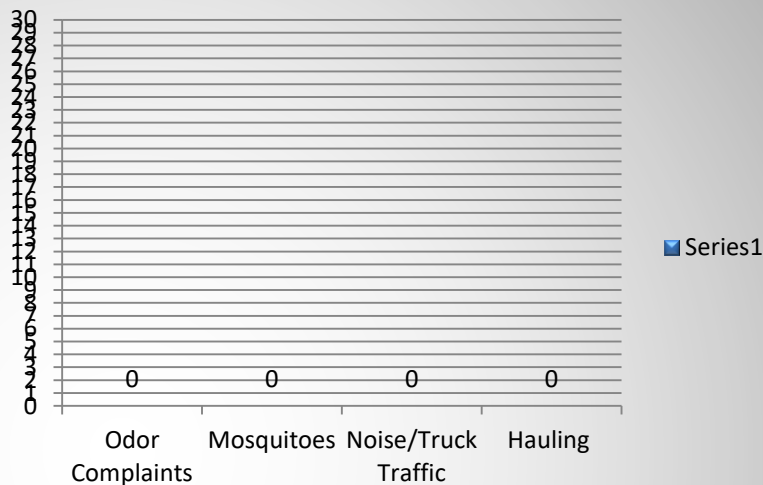


# The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts

## Injuries + Lost Time

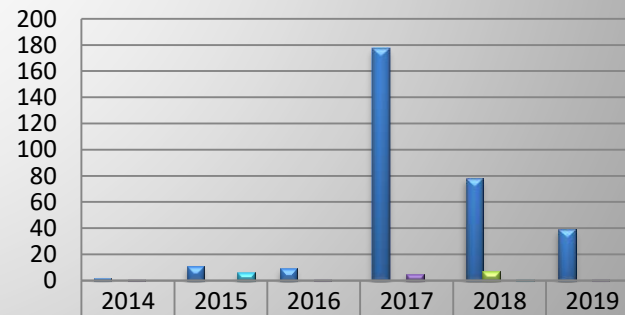


## November 2019 Complaints



## Annual Complaint Comparison

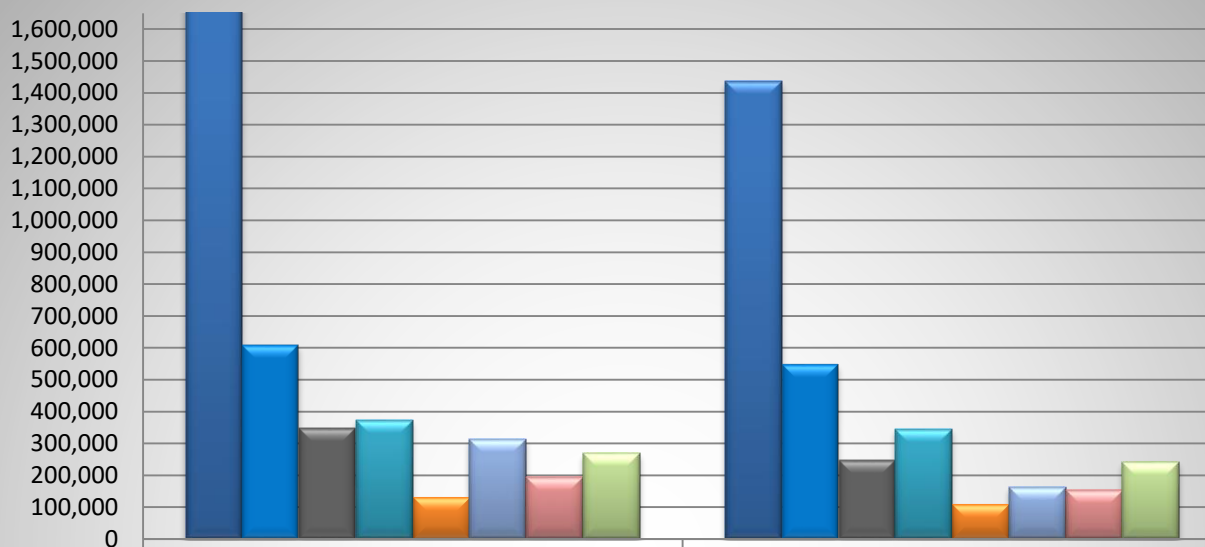
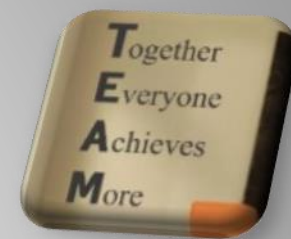
Years	2014	2015	2016	2017	2018	2019
Injuries	0	0	0	0	0	0
Days Lost	0	0	0	0	0	0



■ Odor Complaints	2	11	9	177	78	39
■ Noise/Truck Traffic	0	0	0	0	7	
■ Hauling	1	0	1	5	0	1
■ Mosquitoes	0	6	0	0	1	



## October 2019 O&M Expense \$ Reporting

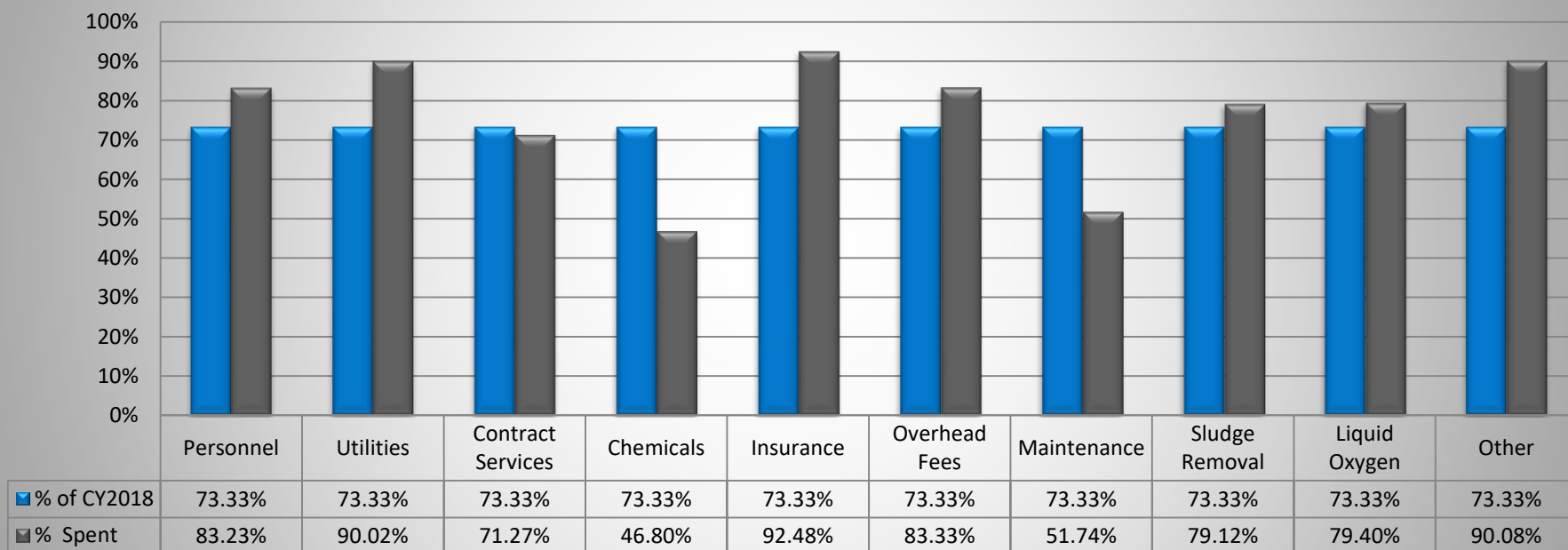


	CY2019 Budget	Spent Year to Date
Personnel	\$1,725,690	\$1,436,275
Utilities	\$607,800	\$547,131
Contract Services	\$345,950	\$246,561
Insurance	\$373,100	\$345,025
Overhead Fees	\$131,725	\$109,772
Maintenance	\$313,575	\$162,242
Sludge Removal	\$195,000	\$154,280
Other	\$268,100	\$241,493

	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
<b>CY2019 Budget</b>	\$1,725,690	\$607,800	\$345,950	\$140,000	\$373,100	\$131,725	\$313,575	\$195,000	\$345,000	\$268,100
<b>Spent Year to Date</b>	\$1,436,275	\$547,131	\$246,561	\$65,524	\$345,025	\$109,772	\$162,242	\$154,280	\$273,932	\$241,493
<b>% of CY2018</b>	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%
<b>% Spent</b>	83.23%	90.02%	71.27%	46.80%	92.48%	83.33%	51.74%	79.12%	79.40%	90.08%



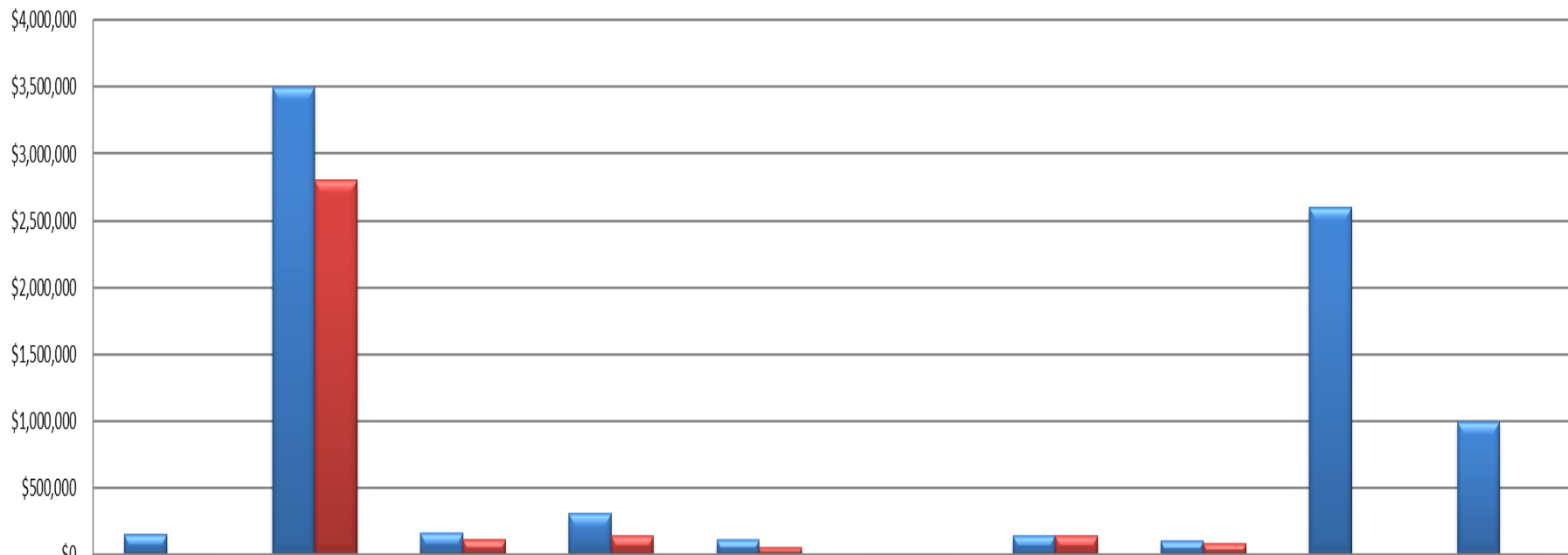
## October 2019 O&M Expense % Reporting







## November 2019 Project Updates



■ Project Budget Amount	FIP Construction Engineering	FIP Construction	Small Capital Projects	Plant Equipment Rehabilitation	Infrastructure	Rolling Stock	Electrical Grid Design	HVAC Design	Electrical Grid Construction	HVAC Construction
	\$150,000	\$3,500,000	\$165,000	\$310,000	\$112,000	\$0	\$145,500	\$107,000	\$2,600,000	\$998,000
■ Spent to Date	\$0	\$2,805,684	\$115,150	\$146,448	\$56,730	\$0	\$145,500	\$87,954	\$0	\$0



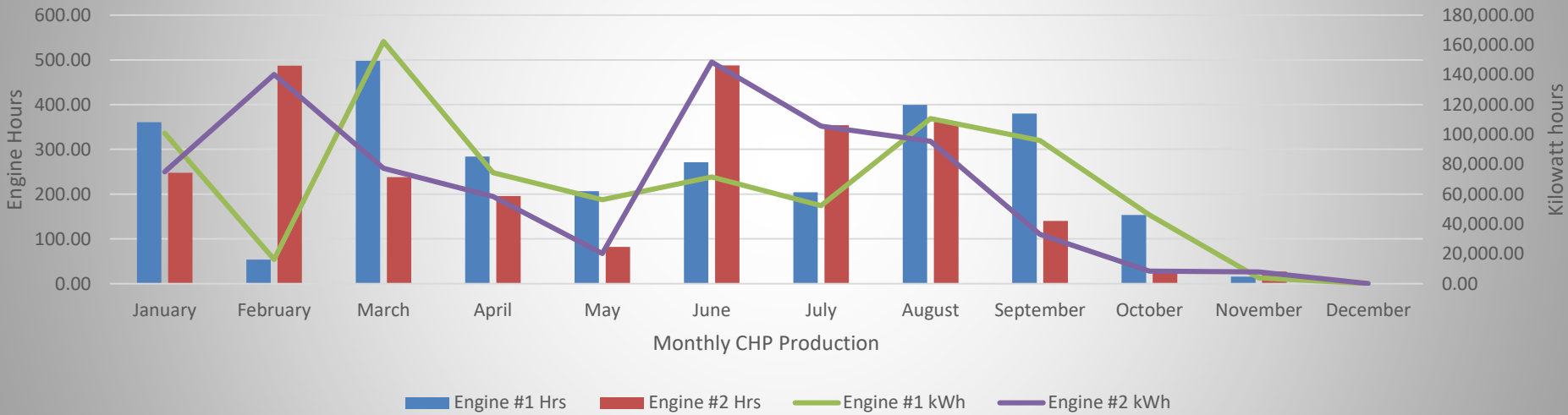
## November 2019 Project Updates

Description	Project Budget Amount	Spent to Date	October Updates
FIP Construction Engineering	\$150,000	\$0	Through November 15, 2019
FIP Construction	\$3,500,000	\$2,805,684	Through November 15, 2019
Small Capital Projects	\$165,000	\$115,150	Through November 15, 2019
Plant Equipment Rehabilitation	\$310,000	\$146,448	Through November 15, 2019
Infrastructure	\$112,000	\$56,730	Through November 15, 2019
Rolling Stock	\$0	\$0	Through November 15, 2019
Electrical Grid Design	\$145,500	\$145,500	Through November 15, 2019
HVAC Design	\$107,000	\$87,954	Through November 15, 2019
Electrical Grid Construction	\$2,600,000	\$0	Through November 15, 2019
HVAC Construction	\$998,000	\$0	Through November 15, 2019



# Combined Heat & Power Production Report

Road to Net Zero



	Engine #1 Hrs	Engine #1 Avail Hrs	Engine #2 Hrs	Engine #2 Avail Hrs	Engine #1 kWh	Engine #1 Avail kWh	Engine #2 kWh	Engine #2 Avail kWh	\$ Saved
January	360.50	744	247.80	744	100,844.00	279,000	74,967.00	279,000	\$11,851.19
February	53.50	672	486.79	672	16,171.00	252,000	140,195.00	252,000	\$10,540.43
March	498.20	744	237.80	744	162,414.00	279,000	77,345.00	279,000	\$16,161.85
April	283.90	720	195.80	720	74,474.00	270,000	58,501.60	270,000	\$8,963.72
May	206.50	744	82.30	744	56,219.00	279,000	20,184.00	279,000	\$5,150.23
June	271.50	720	487.60	720	71,498.00	270,000	148,521.00	270,000	\$14,831.20
July	204.30	744	354.00	744	52,234.00	279,000	105,596.00	279,000	\$10,639.12
August	399.60	744	361.50	744	110,745.80	279,000	95,425.00	279,000	\$13,897.71
September	380.10	720	140.20	720	96,020.00	270,000	33,071.00	270,000	\$8,701.86
October	153.50	744	24.70	744	46,028.00	279,000	8,476.00	279,000	\$3,674.04

# Return on Investment Monetary Breakdown



	HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ \$0.11/kWh	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss -
<b>Calendar Year 2018</b>							
January	0	\$0.00	\$601.51	\$0.00	\$601.51	\$36,229.69	(35,628.18)
February	0	\$0.00	\$1,001.78	\$0.00	\$1,001.78	\$36,229.69	(35,227.91)
March	0	\$0.00	\$466.46	\$0.00	\$466.46	\$36,229.69	(35,763.24)
April	0	\$0.00	\$658.38	\$0.00	\$658.38	\$36,229.69	(35,571.31)
May	63,882	\$3,244.10	\$5,567.44	\$0.00	\$8,811.54	\$36,229.69	(27,418.15)
June	44,500	\$2,250.00	\$7,780.57	(\$774.09)	\$9,256.48	\$36,229.69	(26,973.22)
July	50,500	\$2,525.00	\$12,404.30	(\$1,431.64)	\$13,497.66	\$36,229.69	(22,732.04)
August	65,900	\$3,295.00	\$6,162.00	(\$232.71)	\$9,224.29	\$36,229.69	(27,005.41)
September	30,400	\$1,520.00	\$7,989.88	(\$898.81)	\$8,611.07	\$36,229.69	(27,618.63)
October	38,100	\$1,905.00	\$5,929.54	(\$652.88)	\$7,181.66	\$36,229.69	(29,048.04)
November	77,873	\$3,893.65	\$10,399.19	(\$125.00)	\$14,167.84	\$36,229.69	(22,061.85)
December	96,222	\$4,811.10	\$11,337.00	(\$3.83)	\$16,144.27	\$36,229.69	(20,085.42)
<b>Annual Totals</b>	467,377	\$23,443.85	\$70,298.04	(\$4,118.96)	\$89,622.93		
<b>Repayment Balance</b>	\$3,825,855.58						
<b>Annual Payback on Investment</b>	\$207,760.80						
<b>Current Return on Investment in Years</b>	18.4						
	HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ \$0.07/kWh	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss -
<b>Calendar Year 2019</b>							
January	83,875	\$4,193.75	\$11,851.19	(\$895.00)	\$15,149.94	\$36,229.69	(21,079.75)
February	104,450	\$5,222.50	\$10,540.43	(\$1,015.00)	\$14,747.93	\$36,229.69	(21,481.76)
March	172,115	\$8,605.75	\$16,161.85	(\$560.00)	\$24,207.60	\$36,229.69	(12,022.10)
April	151,990	\$7,599.50	\$8,963.72	(\$1,688.00)	\$14,875.22	\$36,229.69	(21,354.48)
May	166,920	\$8,346.00	\$5,150.23	(\$3,145.00)	\$10,351.23	\$36,229.69	(25,878.46)
June	95,716	\$4,785.80	\$14,831.20	(\$1,505.00)	\$18,112.00	\$36,229.69	(18,117.69)
July	194,896	\$9,744.80	\$10,639.12	(\$935.40)	\$19,448.52	\$36,229.69	(16,781.17)
August	179,003	\$8,950.15	\$13,897.71	(\$2,653.10)	\$20,194.76	\$36,229.69	(16,034.93)
September	137,175	\$6,858.75	\$8,701.86	(\$560.00)	\$15,000.61	\$36,229.69	(21,229.08)
October	221,375	\$11,068.75	\$3,674.04	(\$19,148.57)	-\$4,405.78	\$36,229.69	(40,635.47)
November	0	\$0.00	\$791.65	\$0.00	\$791.65	\$36,229.69	(35,438.04)
December	0	\$0.00	\$0.00	\$0.00	\$0.00	\$36,229.69	(36,229.69)
<b>Annual Totals</b>	1,507,515	\$75,375.75	\$105,203.00	(\$32,105.07)	\$148,473.68		
<b>Repayment Balance</b>	\$3,677,381.90						
<b>Annual Payback on Investment</b>	\$208,970.19						
<b>Current Return on Investment in Years</b>	17.6						

**SECTION 5.0**

**CONSENT AGENDA**

## **SECTION 5.1**

# **MINUTES FROM THE NOVEMBER 12, 2019 MEETING**

GLENBARD WASTEWATER AUTHORITY  
Executive Oversight Committee  
Minutes  
November 12, 2019  
Meeting held in the Clayton North Room  
Village of Glen Ellyn Civic Center  
535 Duane Street  
Glen Ellyn, IL

Members Present:

Diane McGinley	President, Village of Glen Ellyn
Keith Giagnorio	President, Village of Lombard
Kelli Christiansen	Trustee, Village of Glen Ellyn
William Ware	Trustee, Village of Lombard
Mark Franz	Village Manager, Village of Glen Ellyn
Scott Niehaus	Village Manager, Village of Lombard
Julius Hansen	Public Works Director, Village of Glen Ellyn
Carl Goldsmith	Public Works Director, Village of Lombard

Others Present:

Matthew Streicher	Executive Director, GWA
Tom Romza	Assistant Director/Engineer, GWA
Christina Coyle	Finance Director, Village of Glen Ellyn
Tim Sexton	Finance Director, Village of Lombard
Gayle Lendabarker	Administrative Secretary, GWA

1. Call to Order at 6:00 p.m.
2. Roll Call: President McGinley, President Giagnorio, Trustee Christiansen, Trustee Ware, 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 part of the month of September and October 2019 totaling \$1,266,521.27 (Trustee Christiansen).*

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

- 5.1 Executive Oversight Committee Meeting Minutes:
  - o October 2, 2019 EOC Meeting



EOC Meeting/November 2019  
Minutes

- 5.2 Vouchers previously reviewed by Trustee Christiansen
- September 2019
  - October 2019

6. Approval to purchase CHP Media

Prior to digester gas being used in the CHP's, the gas needs to be "scrubbed" in order to remove siloxanes and hydrogen sulfide, in order to help preserve the life of the engines. Although the life of the media is tracked, due to varying usage and gas conditions, it is difficult to exactly predict when the media will be reaching its useful life. Since there is little expiration notice, and the media has a long shelf life, we prefer to have the media onsite and available to keep the down time of the engines to a minimum.

In the 2019 GWA budget, staff allocated \$50,000 for the purchase of this media in budget category Plant Equipment Rehabilitation account 40-580150. Therefore, ***we motion the EOC to authorize approval to purchase CHP media from Unison Solutions in the amount of \$39,185.75.***

*Mr. Streicher indicated that the purchase of the media had been tabled at the October EOC Meeting to allow GWA staff time to investigate an alternative media that would provide a longer use life and a safer method of removal by GWA staff; at that time Staff felt there was time to evaluate the new media and seek purchase approval at a December meeting. Mr. Streicher indicated that based on the gas monitoring reports, the life of the current media had been reached and approval was sought to make the purchase and seek post-purchase EOC approval, to be able to change out the media and prevent any damage to the CHP engines.*

***President Giagnorio motioned and Trustee Christiansen seconded the Motion to approve the purchase of CHP media from Unison Solutions in the amount of \$39,185.75. The funds will be allocated from the CY2019 Plant Rehabilitation Fund 40-580150. President McGinley, President Giagnorio, Trustee Christiansen, Trustee Ware, Mr. Franz, Mr. Niehaus, Mr. Goldsmith, and Mr. Hansen responded "Aye" during a roll vote. The motion carried.***

7. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for Wednesday, December 4, 2019 at 8:00 a.m. The December EOC meeting will still be held ***in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137.***

***Mr. Niehaus moved to adjourn the November 12, 2019 EOC Meeting and Trustee Ware seconded the MOTION. The members responded unanimously to a verbal call of "Aye". The motion carried. The meeting adjourned at 6:03 p.m.***

Submitted by:

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Gayle A. Lendabarker  
GWA Administrative Secretary



**SECTION 5.2**

**VOUCHERS**

**NOVEMBER 2019 -  
PARTIAL**

**GLENBARD WASTEWATER AUTHORITY  
APPROVAL OF VOUCHERS  
For the meeting in December 2019**

<b>EXPENDITURES:</b>	<b>Check Date</b>	<b>Paid Amount</b>		
Accounts Payable Warrant 1119-1	11/15/2019	\$316,187.16		
		<u><b>\$316,187.16</b></u>	<b>Warrant Total</b>	<u><b>\$316,187.16</b></u>

<b>PAYROLL EXPENDITURES:</b>	<b>November 8, 2019</b>	<b>November 22, 2019</b>
Net Employee Payroll Checks	<u><b>\$ 38,297.81</b></u>	<u><b>\$ 37,705.01</b></u>

**Employee & Employer Payroll Deductions:**

Employee Deductions*	\$19,030.27	\$18,586.44	
IMRF - Employer contribution	\$3,790.07	\$3,707.94	
Social Security/Medicare Tax Withheld - Employer portion	\$4,187.51	\$4,113.96	
<b>Total Payroll</b>	<u><b>\$ 65,305.66</b></u>	<u><b>\$ 64,113.35</b></u>	<u><b>\$ 129,419.01</b></u>

**GRAND TOTAL**      **\$ 445,606.17**

## PAID WARRANT REPORT

WARRANT: 1119-1

TO FISCAL 2019/11 11/01/2019 TO 11/15/2019

VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
2 AAREN PEST CONTROL, INC.	21295	11/05/19			958683	P	11/15/19	270 520971	BUILDING & GROUNDS CONTRA	55.00
	INVOICE: 30066									
	21295	11/05/19			958683	P	11/15/19	270-1 520970	MAINTENANCE-BUILDING & GR	45.00
	INVOICE: 30066									
VENDOR TOTALS				500.00	YTD INVOICED			100.00	YTD PAID	100.00
881 AIRGAS, INC	21296	11/02/19			958684	P	11/15/19	270 530443	LIQUID OXYGEN	8,306.15
	INVOICE: 9500563775									
	21297	11/02/19			958684	P	11/15/19	270 520980	MAINTENANCE-ELECTRONICS	66.25
	INVOICE: 9965772117									
	21299	10/31/19		20190002	958684	P	11/15/19	40 580180 17004	CRYO VAPORIZOR RENTALS	1,500.00
	INVOICE: 9094708970									
	21300	11/09/19			958684	P	11/15/19	270 530443	LIQUID OXYGEN	5,527.36
	INVOICE: 9500564047									
VENDOR TOTALS				307,014.71	YTD INVOICED			28,824.94	YTD PAID	15,399.76
9 ALEXANDER CHEMICAL CORPORATION	21301	10/30/19			958685	P	11/15/19	270-1 530440	CHEMICALS	3,124.70
	INVOICE: s1s10085062									
VENDOR TOTALS				18,726.10	YTD INVOICED			3,124.70	YTD PAID	3,124.70
859 ANALYTICAL SOLUTION, INC	21302	10/30/19			958686	P	11/15/19	270 520806	PROFESSIONAL SERVICES-LAB	740.00
	INVOICE: I2004912									
VENDOR TOTALS				5,220.00	YTD INVOICED			740.00	YTD PAID	740.00
1303 ARCON ASSOCIATES INC	21303	10/31/19			958687	P	11/15/19	40 580140	INFRASTRUCTURE UPGRADES	5,713.31
	INVOICE: 25663									
VENDOR TOTALS				11,389.64	YTD INVOICED			5,713.31	YTD PAID	5,713.31
19 AT&T INC.	21294	09/20/19			958688	P	11/15/19	40 580120	SMALL CAPITAL PROJECTS	800.00
	INVOICE: 21294									
VENDOR TOTALS				800.00	YTD INVOICED			800.00	YTD PAID	800.00
1221 BOLLER CONSTRUCTION CO, INC	21361	08/31/19		20170007	2632	W	11/15/19	40 580180 14007	FACILITY IMPROVEMENT PROJ	145,360.00
	INVOICE: 22									
VENDOR TOTALS				2,805,637.00	YTD INVOICED			145,360.00	YTD PAID	145,360.00
976 MERCURY PARTNERS 90 BI, INC										

## PAID WARRANT REPORT

WARRANT: 1119-1

TO FISCAL 2019/11 11/01/2019 TO 11/15/2019

VENDOR	NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION		
	21305	10/31/19			958689	P	11/15/19	270	520980	MAINTENANCE-ELECTRONICS	520.00
	INVOICE:	152021									
	VENDOR TOTALS			20,900.00	YTD INVOICED				520.00	YTD PAID	520.00
47	CINTAS CORPORATION #769										
	21306	11/05/19			958690	P	11/15/19	270	520976	MAINTENANCE-CONTRACTUAL	169.90
	INVOICE:	4034353945									
	VENDOR TOTALS			1,957.38	YTD INVOICED				339.80	YTD PAID	169.90
1218	COLLEY ELEVATOR CO.										
	21307	11/01/19			958691	P	11/15/19	270	520971	BUILDING & GROUNDS CONTRA	198.00
	INVOICE:	190283									
	VENDOR TOTALS			2,349.00	YTD INVOICED				198.00	YTD PAID	198.00
490	COMCAST CABLE COMMUNICATIONS, LLC										
	21308	10/25/19			958692	P	11/15/19	270	521195	TELECOMMUNICATIONS	204.59
	INVOICE:	21308									
	VENDOR TOTALS			2,250.44	YTD INVOICED				204.59	YTD PAID	204.59
1138	CONSTELLATION ENERGY SERVICES INC										
	21309	11/12/19			958693	P	11/15/19	270	521202	NATURAL GAS	637.70
	INVOICE:	2744395									
	21309	11/12/19			958693	P	11/15/19	270-1	521202	NATURAL GAS	848.96
	INVOICE:	2744395									
	21309	11/12/19			958693	P	11/15/19	270	521204	SELF-GEN GAS	-24.06
	INVOICE:	2744395									
	VENDOR TOTALS			46,721.12	YTD INVOICED				1,462.60	YTD PAID	1,462.60
994	DIRECT ENERGY MARKETING, INC.										
	21280	10/14/19			958694	P	11/15/19	270	521201	ELECTRIC POWER	78,048.09
	INVOICE:	192870039961485									
	21280	10/14/19			958694	P	11/15/19	270-1	521201	ELECTRIC POWER	2,731.04
	INVOICE:	192870039961485									
	21280	10/14/19			958694	P	11/15/19	270-2	521201	ELECTRIC POWER	1,814.33
	INVOICE:	192870039961485									
	21280	10/14/19			958694	P	11/15/19	270-3	521201	ELECTRIC POWER	831.32
	INVOICE:	192870039961485									
	VENDOR TOTALS			538,770.45	YTD INVOICED				83,424.78	YTD PAID	83,424.78
622	EATON ELECTRICAL INC										
	21310	10/28/19			958695	P	11/15/19	270	520980	MAINTENANCE-ELECTRONICS	300.00
	INVOICE:	52550707									
	21311	10/29/19			958695	P	11/15/19	270	520980	MAINTENANCE-ELECTRONICS	825.00
	INVOICE:	52560745									

## PAID WARRANT REPORT

WARRANT: 1119-1

TO FISCAL 2019/11 11/01/2019 TO 11/15/2019

VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
VENDOR TOTALS		1,125.00 YTD INVOICED						1,125.00 YTD PAID		1,125.00
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC	21358	10/28/19			958696	P	11/15/19	270 520980	MAINTENANCE-ELECTRONICS	598.79
INVOICE: 228399										
VENDOR TOTALS		2,626.21 YTD INVOICED						598.79 YTD PAID		598.79
1319 FOTRONIC CORPORATION	21312	11/05/19			958697	P	11/15/19	40 580120	SMALL CAPITAL PROJECTS	11,342.40
INVOICE: 0727031-IN										
VENDOR TOTALS		11,342.40 YTD INVOICED						11,342.40 YTD PAID		11,342.40
293 VILLAGE OF GLEN ELLYN	21356	11/01/19			958698	P	11/15/19	270 521203	WATER	1,996.43
INVOICE: 21356										
21357	11/01/19				958698	P	11/15/19	270 521203	WATER	19.86
INVOICE: 21357										
VENDOR TOTALS		161,793.65 YTD INVOICED						2,016.29 YTD PAID		2,016.29
297 W.W. GRAINGER, INC.	21313	10/30/19			958699	P	11/15/19	270 530225	SAFETY RELATED EQUIPMNT/S	390.49
INVOICE: 9339595044										
21313	10/30/19				958699	P	11/15/19	270 520975	MAINTENANCE-EQUIPMENT	564.00
INVOICE: 9339595044										
21314	11/06/19				958699	P	11/15/19	270 520980	MAINTENANCE-ELECTRONICS	455.07
INVOICE: 9347513682										
21315	11/07/19				958699	P	11/15/19	270 520980	MAINTENANCE-ELECTRONICS	31.44
INVOICE: 9349571894										
21316	11/11/19				958699	P	11/15/19	270 520980	MAINTENANCE-ELECTRONICS	967.40
INVOICE: 9351326328										
VENDOR TOTALS		18,485.35 YTD INVOICED						2,408.40 YTD PAID		2,408.40
743 GROOT, INC	21317	11/01/19			958700	P	11/15/19	270 520991	OPERATIONS - CONTRACTUAL	347.38
INVOICE: 4119643										
VENDOR TOTALS		3,690.98 YTD INVOICED						347.38 YTD PAID		347.38
985 HOLSTEINS GARAGE	21320	10/31/19			958701	P	11/15/19	270 520976	MAINTENANCE-CONTRACTUAL	35.00
INVOICE: 1062										
VENDOR TOTALS		437.00 YTD INVOICED						35.00 YTD PAID		35.00
124 HOME DEPOT USA, INC	21321	10/28/19			958702	P	11/15/19	270 520975	MAINTENANCE-EQUIPMENT	79.34

## PAID WARRANT REPORT

WARRANT: 1119-1

TO FISCAL 2019/11 11/01/2019 TO 11/15/2019

VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
	INVOICE: 2024536									
	21322	11/12/19			958702	P	11/15/19	270 520980	MAINTENANCE-ELECTRONICS	-16.24
	INVOICE: 7213260									
	21323	11/12/19			958702	P	11/15/19	270 520980	MAINTENANCE-ELECTRONICS	6.78
	INVOICE: 7030841									
	21324	11/12/19			958702	P	11/15/19	270 520980	MAINTENANCE-ELECTRONICS	25.70
	INVOICE: 7030804									
	21325	11/01/19			958702	P	11/15/19	270 520990	OPERATIONS - SUPPLIES	25.62
	INVOICE: 8024755									
	21326	11/07/19			958702	P	11/15/19	270 520990	OPERATIONS - SUPPLIES	5.56
	INVOICE: 2081185									
	21327	10/16/19			958702	P	11/15/19	270 530106	OPERATING SUPPLIES - LAB	80.68
	INVOICE: 4086462									
	21328	11/06/19			958702	P	11/15/19	270 520980	MAINTENANCE-ELECTRONICS	86.52
	INVOICE: 3030519									
	21329	10/29/19			958702	P	11/15/19	270 520975	MAINTENANCE-EQUIPMENT	122.11
	INVOICE: 1024581									
	21330	10/23/19			958702	P	11/15/19	270 520975	MAINTENANCE-EQUIPMENT	60.32
	INVOICE: 7024219									
VENDOR TOTALS				4,143.48	YTD INVOICED			476.39	YTD PAID	476.39
185	KONICA MINOLTA BUSINESS SOLUTIONS INC									
	21332	10/25/19			958703	P	11/15/19	270 530100	OFFICE EXPENSES	44.05
	INVOICE: 9006182291									
VENDOR TOTALS				870.50	YTD INVOICED			44.05	YTD PAID	44.05
1264	LAWSON PRODUCTS INC									
	21333	11/01/19			958704	P	11/15/19	270 520975	MAINTENANCE-EQUIPMENT	122.19
	INVOICE: 9307141956									
	21334	11/07/19			958704	P	11/15/19	270 520975	MAINTENANCE-EQUIPMENT	96.50
	INVOICE: 9307156078									
VENDOR TOTALS				1,902.69	YTD INVOICED			218.69	YTD PAID	218.69
157	LEN'S ACE HARDWARE, INC.									
	21335	10/30/19			958705	P	11/15/19	270 530225	SAFETY RELATED EQUIPMNT/S	179.89
	INVOICE: 92571-3									
	21336	10/31/19			958705	P	11/15/19	270 530225	SAFETY RELATED EQUIPMNT/S	-35.97
	INVOICE: 92580-3									
VENDOR TOTALS				1,832.13	YTD INVOICED			289.63	YTD PAID	143.92
1211	GMC METALS, INC.									
	21337	10/31/19			958706	P	11/15/19	40 580120	SMALL CAPITAL PROJECTS	76.00
	INVOICE: 1013768									
VENDOR TOTALS				743.35	YTD INVOICED			76.00	YTD PAID	76.00
188	MOTION INDUSTRIES INC									

## PAID WARRANT REPORT

WARRANT: 1119-1

TO FISCAL 2019/11 11/01/2019 TO 11/15/2019

VENDOR	NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION		
	21281	10/16/19			958707	P	11/15/19	270	520980	MAINTENANCE-ELECTRONICS	93.49
	INVOICE: 1110-673167										
	VENDOR TOTALS			1,104.24	YTD INVOICED				93.49	YTD PAID	93.49
518	3B GROUP										
	21338	11/01/19			958708	P	11/15/19	270	520975	MAINTENANCE-EQUIPMENT	514.50
	INVOICE: 591572SI										
	VENDOR TOTALS			619.00	YTD INVOICED				514.50	YTD PAID	514.50
199	NEUCO, INC.										
	21339	11/08/19			958709	P	11/15/19	270	520980	MAINTENANCE-ELECTRONICS	302.43
	INVOICE: 4023754										
	VENDOR TOTALS			7,242.41	YTD INVOICED				302.43	YTD PAID	302.43
226	PORTER PIPE AND SUPPLY CO										
	21340	11/05/19			958710	P	11/15/19	270	520975	MAINTENANCE-EQUIPMENT	33.02
	INVOICE: 11981885-00										
	21341	11/05/19			958710	P	11/15/19	270	520975	MAINTENANCE-EQUIPMENT	7.18
	INVOICE: 11981592-00										
	VENDOR TOTALS			1,228.47	YTD INVOICED				40.20	YTD PAID	40.20
233	PVS MINIBULK, INC										
	21342	10/30/19			958711	P	11/15/19	270-1	530440	CHEMICALS	5,218.04
	INVOICE: 139304										
	VENDOR TOTALS			19,530.10	YTD INVOICED				5,218.04	YTD PAID	5,218.04
412	NESTLE WATERS NORTH AMERICA										
	21344	11/06/19			958712	P	11/15/19	270	530100	OFFICE EXPENSES	95.87
	INVOICE: 19K8100616302										
	VENDOR TOTALS			1,252.27	YTD INVOICED				95.87	YTD PAID	95.87
1212	RJN GROUP, INC										
	21345	11/07/19		20190001	958713	P	11/15/19	270	520981	ELECTRONICS CONTRACTUAL	10,149.00
	INVOICE: 305034										
	VENDOR TOTALS			137,184.00	YTD INVOICED				10,149.00	YTD PAID	10,149.00
810	STATE FIRE MARSHAL										
	21331	11/13/19			958714	P	11/15/19	270	520976	MAINTENANCE-CONTRACTUAL	300.00
	INVOICE: 9622361										
	VENDOR TOTALS			300.00	YTD INVOICED				300.00	YTD PAID	300.00
738	SUBURBAN LABORATORIES, INC.										
	21347	10/28/19			958715	P	11/15/19	270	520806	PROFESSIONAL SERVICES-LAB	370.50

## PAID WARRANT REPORT

WARRANT: 1119-1

TO FISCAL 2019/11 11/01/2019 TO 11/15/2019

VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
INVOICE:	170451									
21348	10/30/19				958715	P	11/15/19	270	520806	PROFESSIONAL SERVICES-LAB 370.50
INVOICE:	170569									
21349	11/06/19				958715	P	11/15/19	270	520806	PROFESSIONAL SERVICES-LAB 370.50
INVOICE:	170966									
21350	11/11/19				958715	P	11/15/19	270	520806	PROFESSIONAL SERVICES-LAB 605.00
INVOICE:	171037									
VENDOR TOTALS				27,637.80	YTD INVOICED				2,196.50	YTD PAID 1,716.50
1271 SYNAGRO-WWT										
21351	10/31/19				958716	P	11/15/19	270	521150	SLUDGE DISPOSAL - LAND 16,492.00
INVOICE:	10357									
VENDOR TOTALS				170,772.00	YTD INVOICED				16,492.00	YTD PAID 16,492.00
271 TERRACE SUPPLY COMPANY										
21352	10/31/19				958717	P	11/15/19	270	520976	MAINTENANCE-CONTRACTUAL 51.46
INVOICE:	01005311									
21353	11/07/19				958717	P	11/15/19	270	520975	MAINTENANCE-EQUIPMENT 231.90
INVOICE:	70456270									
VENDOR TOTALS				1,368.74	YTD INVOICED				283.36	YTD PAID 283.36
1001 TROTTER AND ASSOCIATES, INC.										
21354	10/31/19				958718	P	11/15/19	270	520816	DESIGN ENGINEERING 4,700.00
INVOICE:	16290									
VENDOR TOTALS				23,389.75	YTD INVOICED				4,700.00	YTD PAID 4,700.00
988 VERIZON WIRELESS SERVICES LLC										
21355	11/01/19				958719	P	11/15/19	270	521195	TELECOMMUNICATIONS 231.82
INVOICE:	9841275520									
VENDOR TOTALS				8,245.94	YTD INVOICED				231.82	YTD PAID 231.82
REPORT TOTALS										316,187.16

	COUNT	AMOUNT
TOTAL PRINTED CHECKS	37	170,827.16
TOTAL WIRE TRANSFERS	1	145,360.00

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



## **SECTION 6.0**

# **CONTRACT APPROVAL – BIOSOLIDS DEWATERING IMPROVEMENTS PROJECT**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

**FROM:** Tom Romza, P.E.

**DATE:** December 4, 2019

**RE: Request for Approval**  
Design Engineering Services pertaining to the Biosolids Dewatering Improvements Project



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In October 2019 Authority staff developed and sent out a request for qualifications and technical proposals to our six shortlisted professional consulting firms for Design Engineering Services pertaining to the Biosolids Dewatering Improvements Project. The due date for the proposals was November 8, 2019

While the Authority's digestion complex was recently rehabilitated (2008), the dewatering facilities are approaching, or in some instances exceeded, their anticipated service life. The existing sludge handling building was constructed as part of the 1977 original expansion and therefore, the structure has a significant amount of service life remaining. A new building was not considered as part of the analysis due to the high capital costs which are significantly more than utilizing the existing structure. Based on the outcome of the facility planning study, the Authority intends to move forward with replacing the equipment in kind with belt filter presses, with an evaluation to rehabilitate the existing belt filter presses.

This design shall include rehabilitation of the dewatering components within the existing building to leverage the remaining service life of the physical building. The Dewatering Building was originally constructed in 1977, retrofitted in 1991 to upgrade the original belt filter presses. The proposed conceptual layout shall include two new belt filter presses rated at 200-250 gallons per minute to limit dewatering needs to only five hours per day, seven days per week. The Authority is also evaluating the installation of a thermal hydrolysis system to be installed in order to achieve a Class A sludge and generate additional biogas.

The design of the biosolids improvements project is being requested for approval in December 2019, ahead of the CY2020 design schedule, since the Authority is seeking an Illinois Environmental Protection Agency Low Interest Loan for this project. Therefore, the project would need to be ready to bid by August 2020 to increase the chances of being approved for a loan. However, the first invoice for the project will not be received until January 2020, which will result in the design services being taken out of the CY2020 budget.

The Authority received five sets of qualifications and technical proposals in response to the RFP that was sent out, at which point staff performed an initial review, and narrowed it down to two firms to invite for formal interviews. A member of the TAC, as well as Authority staff, participated in the interviews, and after a process of evaluation and elimination selected Trotter & Associates Inc. (TAI) to perform the design work.

After the firm was selected, the sealed cost proposal was requested and costs were negotiated. It was determined the proposed cost of \$269,700 for design of the improvements, along with a proposed cost of \$202,600 for design of a thermal hydrolysis system (combined cost of \$472,300) was already a reduced fee due to TAI's knowledge of efforts known to complete the design. At the start of the project, TAI will complete an evaluation phase to determine if the design and addition of a thermal hydrolysis system would be beneficial, and have a measurable return on investment. The Thermal Hydrolysis Design Phase shall be utilized only as authorized in writing by the Executive Director. If the Authority elects not to proceed with design of the thermal hydrolysis process following the evaluation phase, this fee will be removed from the scope, reducing the total not to exceed amount to \$269,700. This cost for the design of the planned improvements is below the \$330,000 amount previously identified in the 2018 Facility Plan for these design services. However, the fee was able to be negotiated from being a fixed fee to a time and material cost/not to exceed basis. Therefore, if the remainder of the entire scope is not used during design, some cost savings may be realized at the end of design.

Therefore, it is recommended the EOC authorize the Authority to award Trotter & Associates, Inc. the Biosolids Improvements Project Design Engineering Services in the amount not to exceed **\$472,300.00**. This amount will be taken out of the designated amount in CY2020 Approved Budget, Fund 40 Capital, which has a \$330,000 budget number currently.

## **SECTION 7.0**

# **CONTRACT APPROVAL – FLOW METERING**

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## MEMORANDUM

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**TO:** Executive Oversight Committee

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

**DATE:** December 4, 2019

**RE:** Request for Authorization  
**Proposal for Flow Monitoring Services**



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The Glenbard Wastewater Authority (GWA) has received proposals for flow monitoring services for the installation, operation, maintenance, monitoring, and leasing of seventeen (17) flow meters and two (2) rain gauges (lease only one [1] rain gauge) to be located throughout GWA's owned interceptors. The locations of the flow meters and rain gauges can be seen on the attached Exhibit A. The main purpose of these meters is to determine the flow splits between the two owning Villages in order to properly bill each Village for the treatment of their wastewater. In 2016 an in-depth analysis was performed, and determined there to be substantial savings by leasing the meters, instead of owning.

Therefore, the proposals included the costs for a three (3) year lease of the following equipment:

- 17 Flow Meters (Authority will retain ownership of one (1) existing rain flow meter that was recently purchased)
- 8 Flow Meters to include SCADA 4-20mA Equipment
- 4 Rain Gauges (Authority will retain ownership of one (1) existing rain gauge that was recently purchased)
- Wireless telemetry to all seventeen (17) flow meters and five (5) rain gauges (GWA desires to no longer use land lines due to cost and reliability)
- Annual Report
- Optional Hydraulic Modeling Services

For the past three years, GWA has been utilizing RJN Group for ownership, operation, maintenance, data analysis, and reporting on the flow meters and rain gauges. According to the existing contract, GWA is paying \$10,149 per month, or \$121,788 per year for these services. Request for proposals (RFP) were sent to three professional services; ADS, RJN Group, and Baxter & Woodman. ADS and RJN both submitted proposals for the next three years of the same level of services, while Baxter and Woodman declined to propose. In addition, GWA asked for a price for hydraulic modeling of the sewer system to be included in the proposal, as the manager of the flow meter network would have a distinct advantage for creating a hydraulic model of GWA interceptors. As seen in the below table, GWA had budgeted \$132,000/year for monitoring and maintenance services, and \$60,000 in CY2020 for a hydraulic model as a separate project.

Line Item	Item Description	Engineer Est. Unit Price	Extension	ADS Environmental Unit Price	Extension	RJN Group Unit Price	Extension
1	Flow Monitoring	\$ 132,000.00	\$ 396,000.00	\$ 103,344.00	\$ 310,032.00	\$ 115,788.00	\$ 347,364.00
2	Hydraulic Modeling	\$ 60,000.00	\$ 60,000.00	\$ 132,367.00	\$ 132,367.00	\$ 43,600.00	\$ 43,600.00
Base Bid Total:			\$ 456,000.00		\$ 442,399.00		\$ 390,964.00

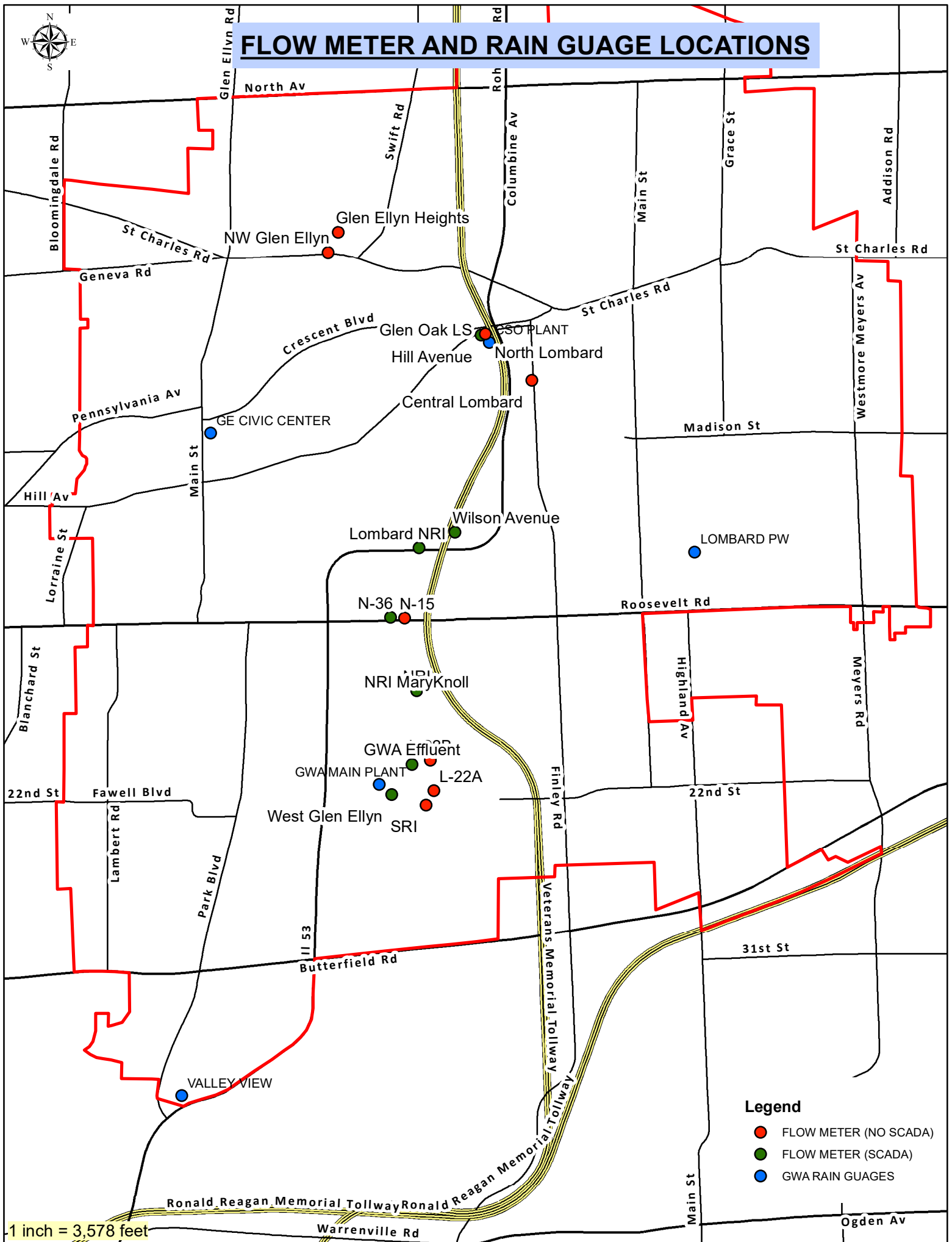
Although the RFP was written to base selection of the contractor on the annual cost of the flow monitoring services, due to the qualifications provided for the hydraulic modeling, and the drastic price difference in that modeling, GWA has taken RJN's proposal into consideration. Certain benefits other than cost have been taken into consideration; such as both member Village's relationship and current work with RJN, no downtime required to switch out equipment (which could impact the reporting of flow), past quality of data and service provided by ADS, as well as the ability to have better continuity in the hydraulic modeling that would benefit both member Villages.

Due to the above reasons, the TAC came to a consensus, and it is recommended to authorize GWA to award RJN Group, Inc. the contract for flow monitoring services for the period 2020-2022. The contract provides that GWA will issue a one-year contract with two (2) option years based upon the proposals submitted. The EOC will need to authorize years 2 and 3 of the contract based upon RJN's performance. In the event that RJN does not meet certain performance measures, GWA can withdraw from the contract with no consequence.

Motion the EOC to authorize the Authority to waive the competitive bidding process and award RJN Group of Wheaton, IL the budgeted three (3) year Flow Services Contract in the amount of \$9,649 per month. Invoiced to CY2020 O&M account number 270-520981.



# FLOW METER AND RAIN GUAGE LOCATIONS



# **SECTION 8.0**

## **DISCUSSION**



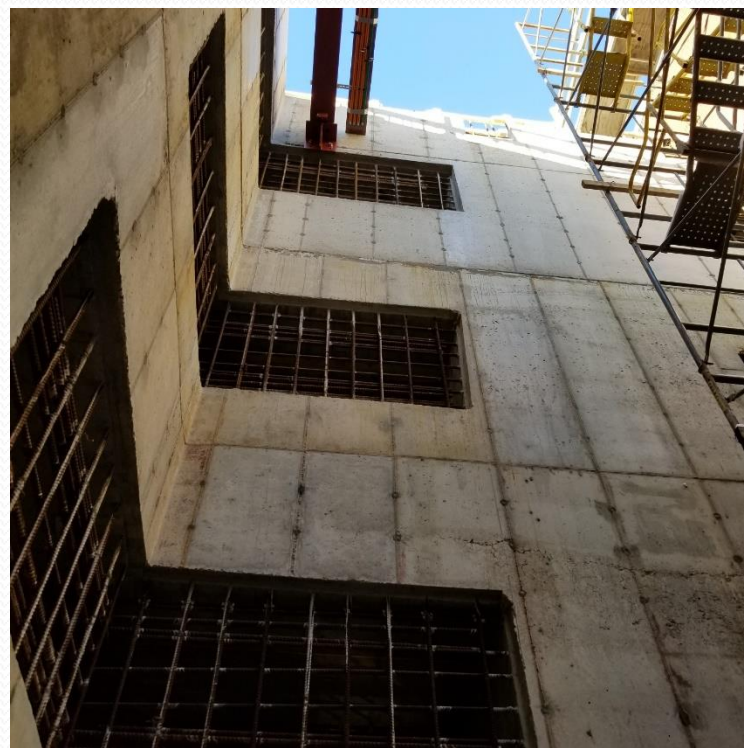
## **SECTION 8.1**

# **FACILITY IMPROVEMENT PROJECT – UPDATE**

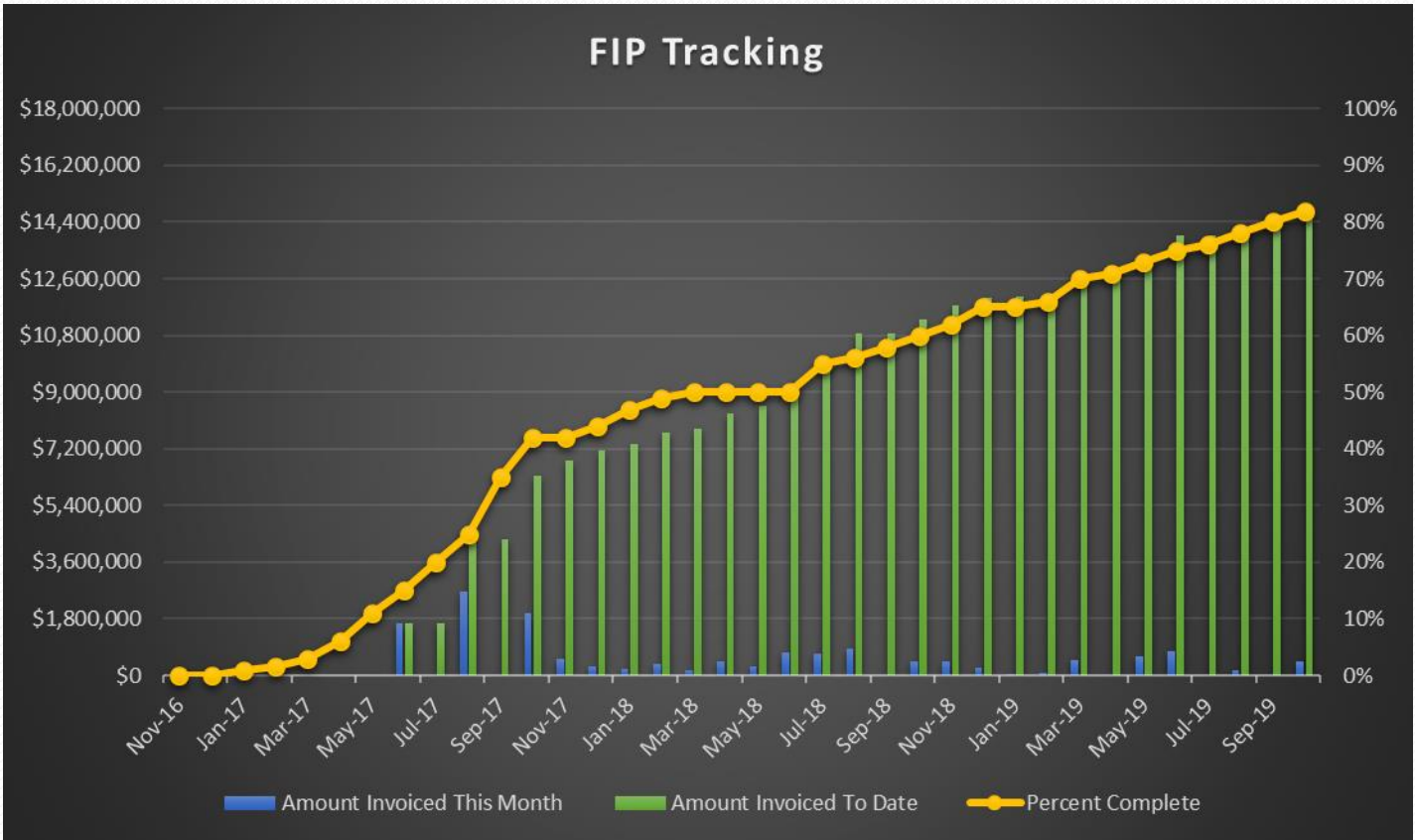
# FIP Project Update

- Work Completed Since Last EOC Meeting
  - Filter Building Cleanup, punch list progress
  - Chem-feed Change System proposal accepted @ \$6,413.38 Work Change Directive
    - Significantly less than engineers estimate of \$60k+
  - New Raw Pumps Building: Frame work for beams and top slab in progress.
    - Boxouts remain.
    - Pumping of water continues at over 960 gpm
      - Dewatering cost detail received (\$200k - \$500k)
  - HVAC Work – Heat has been turned on, controls in progress.
  - Updated Schedule received – July 08, 2020 substantial completion
  - 297 Submittals
  - 55 Requests for Information
- Work Anticipated Prior to Next EOC Meeting
  - Filter Building punch list update
  - Pump station top slab poured
  - Hypo system changes completed

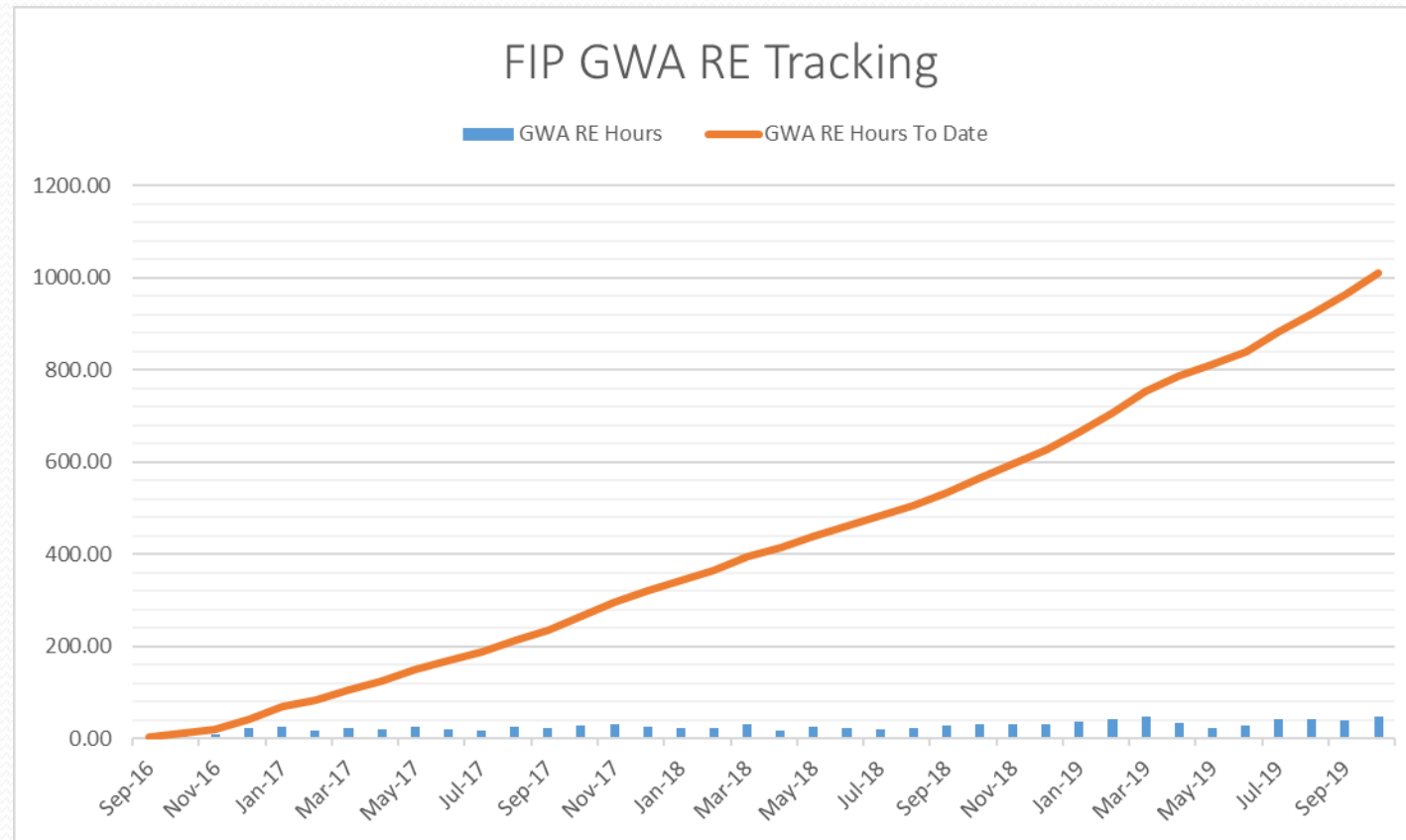








Days Remaining Until Final Completion (07/30/2020): 254



## **SECTION 8.2**

# **PROPERTY ACQUISITIONS UPDATE**

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## MEMORANDUM

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**TO:** Executive Oversight Committee  
**FROM:** Matt Streicher, P.E. BCEE, Executive Director  
**DATE:** December 4, 2019  
**RE:** Property Acquisition Update

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In the 2018 Facility Planning Study, it was recommended that the Authority evaluate the purchase of certain parcels adjacent to the main facility, as they become available on the market. The study specifically recommended evaluating any properties to the North of the facility, as well as the parcels located to the West on Danby Drive.

In fall of 2019 the Authority became aware of the property at 365 Danby Drive was on the market. Therefore, an appraisal was obtained through appraisal services the Village of Glen Ellyn uses, Polach Appraisal Group, Inc. Only a high-level appraisal was requested in order to obtain an estimation of rough cost. The appraisal cost came back at \$320,000.

The appraisal was discussed at a TAC meeting and it was ultimately decided that there would be no value to pursuing the purchase of the 365 Danby Drive parcel, or any of the five parcels along the East side of Danby Drive. Due to the topography and size of the land, it would be difficult for any plant expansion to occur in that area, and therefore it would only serve as a buffer between the treatment plant and the parcels on the West side of Danby Drive. If the area was only to serve as a buffer to avoid odor complaints, it would be more viable to pursue a capital improvement project to address odors (~\$1.65M), rather than purchase all of the parcels at an estimated \$320,000 each (~\$1.6M total).

Therefore, as s parcels to the North of the main facility become available on the market, further evaluations will take place, and be discussed at a TAC level prior to initiating the EOC. Please refer to the attached exhibit for references.







**SECTION 9.0**

**OTHER BUSINESS**

# **SECTION 9.1**

## **TECHNICAL COMMITTEE ADVISORY UPDATE**

# **MINUTES - OCTOBER MEETING**



## Glenbard Wastewater Authority

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

### GWA Technical Advisory Committee (TAC) Meeting Agenda October 17, 2019 10:30 am

*Present: Director Goldsmith, Mr. Streicher, Mr. Romza (Mr. Streicher previously met with Director Hansen to go over agenda items)*

#### 1. FIP Update

##### a. Dewatering Costs

*Mr. Romza informed the TAC that Boller has now purchased the dewatering pumps for \$45k so dewatering costs moving forward should be minimal. Mr. Streicher and Mr. Romza were under the impression that the pumps would then be GWA's property after dewatering has ceased but they will not have much useful life left.*

##### b. Schedule Update

*Mr. Romza informed the TAC that the schedule has not changed since the last TAC meeting, and the substantial completion date is still the end of July 2020. The contractor appears to be keeping track with the schedule at this time*

##### c. Filters Update

*Mr. Romza informed the TAC that GWA continues to be in contact with Kruger/Veolia, the manufacturer of the filters, in regards to the filter performance and monitoring them. Their service contractor is continuing to fix the backwash pumps as well, and has repaired 2 out of the 6 to date*

##### d. Concrete Pours

*Mr. Romza informed the TAC that all of the 4 foot thick walls have been poured up to a height of 24', and two of the 3' thick will be poured next week. GWA anticipates concrete pouring to conclude sometime after the New Year.*

##### e. Disinfection System Anticipated Change Order

*Mr. Romza informed the TAC that we are still waiting on a proposal from Boller for the hypo change order, and that GWA is aware that Boller is still waiting on a proposal from one of their subcontractors. GWA is also double checking the pricing of their proposal to ensure no price gouging is occurring, although it is stipulated in the contract. Once a proposal is received, it will be reviewed, brought to the TAC, and will most likely eventually need EOC approval. Director Goldsmith expressed concern that since no due date was given for this work, and it is in addition to the contract, they may sit on this past the completion date of the project. \*\*After the meeting, Mr. Streicher realized they would have to ask for a time extension, as the change order would be included in the project schedule.*

##### f. HVAC

*At this time Boller's HVAC contractor has been unresponsive in resolving an existing issue in building L, or completing installation in Buildings A and C, and therefore GWA has no heat in any of those buildings. GWA is withholding payment until the heat is activated, however there is also concern that condensation buildup in new units could cause future problems, and therefore GWA will be requesting extended warranties on all of the new units.*

##### g. Construction Engineering Contract Amendment

*B&V submitted a draft of the amendment, to which Mr. Streicher provided preliminary comments. The most significant comment being that although the EOC authorized GWA approving up to a \$324k amendment, the preference was to start at \$300k. The final amendment came in at \$320k, with the realization that at this time up to \$20k of cost could be recovered from Boller due to resubmittal fees. Mr. Streicher thinks it is highly unlikely that Boller would give up the fees, as they feel some of the resubmittals were not fair. Director Goldsmith*

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*agreed with approving the \$320k contract, but suggested GWA reiterate to B&V that it is unlikely GWA will see those additional costs recovered.*

2. Biosolids Dewatering Improvements RFP

a. Sent on October 10, due November 8

*Mr. Streicher informed the TAC of the contents of the RFP, essentially requesting to design replacement of dewatering equipment and all associated equipment in the building*

b. Review of RFP's complete by 11/15/19, Top 2 interviews week of 11/18/2019

*Mr. Streicher requested both Director Goldsmith and Director Hansen's presence's at the interviews; both Directors stated they should be available*

c. Cost Proposal submitted after top firm is selected

*As dictated in GWA's professional service selection SOP*

3. IEPA Low Interest Loan Assistance

a. Proposal from TAI - \$4,700

*Mr. Streicher received a proposal from Trotter & Associates for assistance in submitting "pre-applications" to obtain IEPA SRF Low Interest loans for three upcoming capital projects, as previously discussed with the TAC and EOC. Although GWA only intends to get 2 loans at this time, 3 are being pre-applied for in the event that one of the projects isn't approved. GWA is not requesting proposals from any other firms since TAI performed the facility plan, and therefore already has completed some of the work associated with the pre-applications. Mr. Goldsmith complemented GWA on getting assistance at a great price.*

4. Other Business

a. Roofing Project Update

*Mr. Romza informed the TAC that the contractor exceeded expectations on the UV building, but has been delayed completing the SRI lift station work due to ComEd being unresponsive, and performing the necessary safety work needed to complete the roofing project. This work is expected to be completed next week.*

b. Electrical Grid Design Update

*This project may be bid out and award recommended at the December EOC meeting, although it's looking more likely it will occur next CY. The money has been moved in the budget to CY2020*

c. HVAC Project Update

i. Change order to extend schedule to May 1, 2020

*Mr. Streicher informed the TAC that the schedule extension was approved, and is mainly due to long lead times for equipment, and at no fault of the contractor*

d. Property Acquisition Discussion

i. Environmental Inspection; Closing set for October 30

ii. Appraisal for 365 Danby acquired; \$320,000

iii. Direction from EOC on right of refusal policies for the 5 homes on Danby

*The TAC advised drafting a memo to the EOC stating why property acquisition along Danby is not recommended; essentially the area is too small for any plant expansion; the elevation of the properties is not suitable; the cost to acquire all the properties exceeds the cost of a large-scale odor control project.*

e. Thickener Bridge Coating

*The contract for the Thickener Bridge sandblasting and coating was completed in time and on budget. To prepare for the additional material that will need to be installed on the bridge, GWA's maintenance department also had the contractor coat the new material.*

f. UV Disinfection System Issues

*The UV system had been experiencing some malfunctions throughout the disinfection season, and upon investigation, the Electrical Department called in the manufacturer who refurbished the equipment 3 years ago. Numerous issues with the workmanship of the work were identified, to which the manufacturer acknowledged. The Electrical Superintendent is working on getting defective equipment/work replaced at cost in order to save GWA further money. All of the equipment and work for the refurbishment is no longer under warranty.*

g. Discussion of approval limits for Assistant Director

*Mr. Streicher inquired with Director Goldsmith on the approval limits at Village of Lombard, and whether or not the Assistant Director has the same levels as the Director. Lombard does not, nor*



## Glenbard Wastewater Authority

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*does Glen Ellyn, unless a memo is written authorizing it (typically done in the Director's absence). Therefore GWA shall remain the same, and the Assistant Director shall only have the approval limits of the Director in the Director's absence, as shall be confirmed in a memo when the Director is absent.*

h. New HSW haulers

*Mr. Streicher informed the TAC that the Environmental Resources Coordinator has been able to recruit more HSW haulers as of late, and is doing a great job at doing so. Director Goldsmith also complimented on her ability to deal with a grease trap situation at the Lombard Village Presidents business establishment.*

i. BioGas media replacement

*Mr. Romza stated that the replacement BioGas media was on the September EOC agenda for approval, however, when several operators attended WEFTEC just a week before the EOC meeting, they found out that the same supplier had another option for replacement. While this option is more expensive, it has a longer predicted life and it is much safer for the Operators to handle and remove later, so the item was removed from the agenda with plans to get an official price quote for this new media. Director Goldsmith was in agreement that the safety concerns made the more expensive option a "no brainer" to pursue and that Mr. Streicher should seek approval from the Village Managers if GWA needs the media before the next EOC meeting, scheduled in early December. Mr. Goldsmith recommended asking for approval in one of the three ways; a short EOC meeting before the Full Board meeting, a teleconference EOC meeting, or a post-approval by the EOC should Mr. Franz give his approval now. Mr. Streicher to follow up with Mr. Franz as soon as possible as GWA does need the media before the next EOC meeting.*

j. Full board meeting presentation

*Mr. Streicher stated that he will be sending out the slideshow for the Full Board presentation to the Village Managers and Public Works directors*

k. ECHO Violations

*Mr. Streicher stated that upon checking the USEPA's Enforcement and Compliance History Online (ECHO) website, he learned that GWA had been cited a "significant non-compliance" violation, in addition to the non-compliance violations that had been previously reported. Mr. Streicher admitted fault in forgetting to submit a report stating why GWA cannot remove Phosphorus under existing conditions. The report is due annually, however since GWA cannot remove P, the same report had been sent every year and was simply overlooked. All violations have been resolved to date.*

l. Acceptance of new waste stream

*The Authority was approached by a food manufacturer looking to use GWA as a back up site to unload waste from their food production facility. The facility is located in Romeoville, and the Romeoville plant does not allow BOD/TSS surcharges, therefore the facility is currently bringing their waste to the Bolingbrook plant. They need a backup location in the event the Bolingbrook plant goes down and asked GWA. This material would not be put directly into the digesters like other high strength waste, as it's more domestic in nature, and instead would be mixed with the plant influent similar to leachate. The Environmental Resources Coordinator is performing more in-depth analysis to see if the material is acceptable and what rates to charge, but in the meantime, Mr. Streicher is asking the TAC if EOC approval is necessary to bring in this outside source. Director Goldsmith stated he simply believes we should advise the EOC of the new material, no formal approval is necessary, but to also check with Director Hansen (this request arose after Mr. Streicher's meeting with Mr. Hansen).*

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5. Old Business

a. Landscape Additions

- i. Bemis Road property line completed, VOGI Assisted in work

*Mr. Streicher pointed out the landscaping work that was done along Bemis road to replace dead or dying vegetation in order to help public image*

- ii. Berm – AT&T damage claim

*Mr. Streicher informed the TAC that GWA received a damage claim from AT&T in relation to the Berm reduction work that was performed in August. Mr. Streicher stated that AT&T did not respond to the JULIE request, and that no damage was done, the line was simply uncovered. A response was sent to AT&T disputing the claim, to which no reply has been given.*

b. On-Call Discussion

c. Manhole/Sewer Inspections ongoing

d. Approved Pretreatment Ordinance Status/Local limits change needed from Lombard

*Director Goldsmith stated that the ordinances were on the agenda for this evenings board meeting and he would send final/approved copies of them once he was able to*

e. Forest Preserve County of DuPage Easement Leases (Julius)

f. 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

# **MINUTES – NOVEMBER MEETING**





## Glenbard Wastewater Authority

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

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

November 21, 2019 9:30am

Present: Director Goldsmith, Mr. Streicher, Mr. Romza

#### 1. FIP Update

##### a. Dewatering Costs

*Mr. Romza informed the TAC that not much has changed since the last TAC meeting. Boller's last dewatering charge is from the pump purchase for \$45k. This brings Boller's dewatering cost accumulation to \$545k with GWA claiming responsibility for about \$245 of relevant cost. Mr. Romza then informed the TAC that GWA has been asking if Boller would like to sit down in a meeting to discuss the costs but Boller has not wanted to discuss yet. Mr. Goldsmith said the TAC may want to be present for this meeting, when it does happen. Mr. Romza also emphasized that GWA has been paying for electricity to run the pumps continuously, which is not in the cost summary supplied by Boller.*

##### b. Schedule Update

*Mr. Romza informed the TAC that the latest schedule has substantial completion in early July 2020 and final completion in late July 2020. This is an improvement over the last schedule, but there has been some weather delays lately.*

##### c. Filters Update

###### i. Warranty

*Mr. Streicher informed the TAC that Kruger has contacted GWA about the end of our 2-year warranty coming up in March 2020. GWA is in negotiations that since the disc filters have not been operating as intended, the warranty period shouldn't have been started yet. Director Goldsmith agreed GWA should maintain their stance.*

###### ii. Site Visits

*Mr. Romza informed the TAC that Kruger has talked about coming on site to run more tests despite none of the operational changes making improvements to the disc filter performance.*

###### iii. Depth Sensor

*Mr. Romza informed the TAC that Kruger did send a replacement depth sensor for one unit at no cost to the Authority. This shows Kruger's continued efforts to please the Authority. The depth sensor has helped with Disc Filter 5 having higher than the other filter's backwash numbers.*

##### d. Concrete Pours

*Mr. Romza informed the TAC that the walls of the new pump station have been poured ahead of schedule, but there has been a few delays in pouring the support beams and top slab.*

##### e. Disinfection System Work Change Directive

*Mr. Romza informed the TAC that the proposal for the reinstallation of the hypo feed pumps has been received by GWA at about \$6,600. This is less than the \$40k - \$60k that Black and Veatch predicted. Director Goldsmith asked if BandV would eat the \$6,600 for GWA. Mr. Romza informed that they already ate the cost of redesign and are not going to pay for the construction. Mr. Goldsmith agreed that this is fair. Mr. Streicher then explained that this additional construction cost is going to be a Work Change Directive until there is more additional costs to make a significant Change Order, or the project is finished. Director Goldsmith agreed this is a good strategy. Mr. Streicher informed the TAC that Director Hansen was able to approve the WCD due to the dollar amount.*

##### f. Liquidated Damages

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*Mr. Romza informed the TAC that liquidated damages are currently being assessed at \$2,000 since October 10<sup>th</sup> (Contractual substantial completion) and \$4,000 since November 19<sup>th</sup> (contractual final completion) per the contract documents. This will be an ongoing procedure and Director Goldsmith concurred with the assessment adding that there will be negotiations down the line.*

g. HVAC

*Mr. Romza informed the TAC that withholding payments until heating was provided in buildings A, C, and L worked. And while GWA does not want to keep strong arming Boller into making progress on certain aspects of the project, it seems to have worked.*

2. Biosolids Dewatering Improvements RFP

a. Top 2 interviews

*Director Goldsmith was in attendance for the interviews, which went well, with a unanimous decision to choose Trotter and Associates as the Design Engineer.*

b. Cost Proposal submitted after top firm is selected

*Mr. Streicher informed that a cost proposal will be received next week and presented to the EOC on December 4<sup>th</sup>. The cost proposal will be for a maximum allowable amount, which the Thermal Hydrolysis as an optional design that may be exercised depending on Return on Investment with increased CHP usage. Director Goldsmith suggested that each part of the design be laid out for the EOC and explained so that approval for the total amount can be given, and the Thermal Hydrolysis portion can be dropped should GWA decide it is not viable.*

c. IEPA Loan Bypass Funding

*Mr. Streicher informed that Baxter Woodman had pointed out that the bypass funding cannot be awarded to this project, however, the other firms are still maintaining that it can be obtained. Mr. Streicher also informed that if it is not awarded to the Biosolids project, we can locally fund it, as long as a future capital project does receive the loan funding. Director Goldsmith advised that it is worth a try for the Biosolids project and that it is nice to have local funding in our back pocket.*

3. Future GWA Legal Representation

*Mr. Streicher informed that Greg Dose is retiring and that GWA will need new legal representation. Director Goldsmith asked if several quotes will be needed for services and that he has some recommendations if GWA needs additional quotes. Director Goldsmith also stated that it will be hard to bring in new legal council that is as comfortable and knowledgeable about the FIP as Greg Dose is. Mr. Streicher informed that Greg will still be able to provide his services to the Authority for the FIP project but is not taking on any new projects at this time. Mr. Streicher will be reaching out to other Treatment Facilities to gather contact information for legal representation but will ask Director Goldsmith for assistance should the need arise.*

4. Flow Metering

a. Year 3 report from RJN

*Mr. Romza asked if the Villages would like to meet with RJN to discuss the third-year report from RJN. Director Goldsmith agreed this would be beneficial and would like GWA to set it up.*

b. 2020-2022 Proposals

*Mr. Streicher informed that 2 proposals were received, one from RJN Group and one from ADS Environmental, while Baxter and Woodman declined to propose. Mr. Streicher is seeking council from the TAC, as ADS is the low bid, but Mr. Streicher feels that RJN would be a more thorough and responsible consultant. Director Goldsmith commented that since this is not a professional services agreement, unless there is significant reason, the low bid must be chosen. To which Mr. Streicher informed that ADS has not provided these services accurately in the past, RJN is more responsive to service, and the modeling option of the RFP was significantly more expensive for ADS to perform (\$135k vs. \$40k). In addition, an ADS reference stated they were generally happy with performance but found they lacked responsiveness and accuracy at times. Director Goldsmith commented that there does seem to be significant enough reason to chose RJN over the low bid, but it would need discussion with Glen Ellyn within the EOC. Mr. Goldsmith also mentioned that RJN's cost is still under the GWA budget for this project, which could be more reason to use RJN as the consultant.*

5. Other Business



## Glenbard Wastewater Authority

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

- a. Flow Report Discrepancies  
*Mr. Streicher informed the TAC that the effluent meter readings have been low as of late and that RJN is looking into the reason. While this is a serious issue for our upcoming permit renewal, it does not affect the flow billing.*
- b. Electrical Grid Design Update
  - i. UNOX Raceway  
*Mr. Romza informed that the design for the Electrical Grid should be received by Thanksgiving and will go out to construction bid ASAP. The UNOX conduit design was added and created a bit more delays that already existed. Director Goldsmith inquired when this would need approval. Mr. Streicher stated that hopefully the January EOC meeting would be for approval of this construction.*
- c. HVAC Project Update
  - i. Change order to extend schedule to May 1, 2020  
*Mr. Romza informed the TAC that the project construction has not begun yet, and that construction was in a delay due to the building permit process. The building permitting (Glen Ellyn) asked for additional information from the Contractor that is not necessarily pertinent to the project and is still in the process of being gathered. Mr. Romza also stated that the Contractor dragged their feet on even applying for the building permit in the first place, and therefore the delay is not completely due to the building permit process. Director Goldsmith informed that the contractors should have gotten started earlier but the process should not take this long.*
- d. EOC Meeting Items  
*Director Goldsmith informed that Scott Niehaus was interested in a more comprehensive plan for purchasing property around that main plant. Certain properties purchased, if not used for future plant operations, are only useful for Glen Ellyn residents, and therefore the Village of Lombard should not be liable for a portion of purchase price. An exhibit that highlights areas that are realistically usable for future plant modifications would be useful to clear this up. Mr. Streicher agreed and is to make something for the EOC.*
  - i. Biosolids RFP  
*Previously discussed.*
  - ii. Flow Monitoring RFP  
*Previously discussed.*
- e. GWA Sign  
*Mr. Streicher informed the TAC that the Village of Glen Ellyn made GWA a sign for Bemis Rd that informs drivers of the location of the plant. The previous plan was to put the sign on rt. 53, but IDOT would not allow it. Director Goldsmith was in agreeance that the sign is a great addition for truck traffic and future potential residents, in that it increases neighborhood awareness.*
- f. SWIFTCOMPLY – FOG Inspections  
*Mr. Streicher informed the TAC that the Authorities ERC is changing software used for FOG inspection compliance. The old software is not user friendly and does not have capabilities for customer use, like SWIFTCOMPLY does. Director Goldsmith thought this was a great idea and suggested that the Villages send a correspondence to the customers once the new software is up and running.*
- g. PT Operator Position  
*Mr. Romza informed that GWA is interviewing a promising candidate, that is also an employee for the Village of Glen Ellyn Public Works, later today.*

6. Old Business

a. IEPA Low Interest Loan Assistance

*Mr. Streicher informed the TAC that Trotter & Associates, Inc. has submitted the necessary documents in order for 3 future projects to be eligible for IEPA low interest loans.*

b. BioGas media replacement

i. VOGE Assistance

*Mr. Streicher informed the TAC that the gas filtering media replacement went extremely well due to the assistance of the Village of Glen Ellyn and the use of their vactor truck, turning a 4 day job into a 1 day job. In the future, the Village assistance will not likely be needed because GWA has purchased a different type of media that should not be nearly as hard to remove. Director Goldsmith was happy that the removal went well and the new more expensive media seems to have been worth the price.*

c. UV Disinfection System Issues

*Mr. Streicher informed the TAC that the UV system is off-line for the winter and the broken components of the UV system have been sent to the manufacturer for assessment. GWA is waiting to hear what kind of credit/costs the Authority will be receiving for replacement.*

d. Manhole/Sewer Inspection Reports

*Mr. Romza informed that the Draft Manhole inspection report has been received, and GWA is waiting for the final version.*

e. On-Call Discussion

*Mr. Streicher informed that no more discussion has been had on this topic, but GWA plans to have a team meeting to discuss soon.*

f. Forest Preserve County of DuPage Easement Leases (Julius)

*No discussion.*

g. Discussion pertaining to future development of IGA Language for

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

*No discussion.*

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

## **SECTION 9.2**

# **PENDING AGENDA ITEMS**



## Glenbard Wastewater Authority

21W551 Bemis Road Glen Ellyn, Illinois 60137

Telephone: 630-790-1901 – Fax: 630-858-8119

### *2019 Pending EOC Agenda Items*

<b>Projects</b>	<b>Budget</b>	<b>Date</b>	<b>Status</b>
<b>Capital Improvement Projects</b>			
Electrical Service Distribution System Construction/Engineering	\$2,600,000	POSTPONED	Moved to next CY
Admin Building HVAC Construction	\$1,000,000	June	APPROVED
Roof Rehabilitation	\$144,000	July	APPROVED
<b>Infrastructure Improvement</b>			
Dewatering Building GBT Room & Truck Bay AHU Replacement	\$50,000	March/April	COMPLETED/Under \$20k
Plant Fiber Testing & Repairs	\$30,000	May	COMPLETED/Under \$20k
HSW Improvements Modifications	\$25,000	TBD	Moved to next CY
<b>Equipment Rehabilitation</b>			
Overhead Door Safety Bumper Replacements	\$30,000	June	COMPLETED/Under \$20K
Screw Pump Rehab	\$45,000	August	APPROVED/UNDERWAY
CHP Siloxane and Hydrogen Sulfide Media Replacement	\$50,000	November	COMPLETED
Moyno Pumps (10) Spare Parts	\$25,000	Ongoing	
Televising NRI & SRI, and MH's	\$100,000	April	COMPLETED
Gravity Thickener Bridge & Mechanism Painting	\$40,000	September	COMPLETED
SRI Pump Station Concrete Lining	\$50,000	September	COMPLETED/Under \$20k
<b>Rolling Stock</b>			
None			

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## Glenbard Wastewater Authority

21W551 Bemis Road Glen Ellyn, Illinois 60137

Telephone: 630-790-1901 – Fax: 630-858-8119

<b>Administrative</b>			
Forest Preserve Easement License Costs for NRI	\$150,000	TBD	Under VOG E Review
Pretreatment Ordinance Recommendation	-----	August	APPROVED

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## **SECTION 9.3**

# **2020 EOC COMMITTEE MEETING SCHEDULE**





## **Glenbard Wastewater Authority**

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

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### **EXECUTIVE OVERSIGHT COMMITTEE 2020 MEETING SCHEDULE**

January 9, 2020

February 13, 2020

March 12, 2020

April 9, 2020

May 14, 2020

June 11, 2020

July 9, 2020

August 13, 2020

September 10, 2020

October 8, 2020

November 12, 2020

Annual GWA Full Board Meeting  
TBD

December 10, 2020

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**SECTION 10.0**

**NEXT EOC MEETING**

**THURSDAY**

**JANUARY 9, 2020**

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

## **SECTION 11.0**

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