

GLENBARD WASTEWATER AUTHORITY

Executive Oversight Committee

Agenda

October 25, 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 September and part of October 2018 totaling \$1,419,562.68 (Trustee Enright).*

- 5.1 Executive Oversight Committee Meeting Minutes:  
September 13, 2018 EOC Meeting
- 5.2 Vouchers Previously Reviewed by:  
September 2018 and Partial October 2018 – Trustee Enright
- 5.3 Approval of New Telephone System

Authority staff are requesting EOC approval for the purchase of a new Midco Telephone system through the National Joint Purchasing Authority (NJPA). The existing telephone system at the Authority is outdated, unsupported, and in need of replacement. Authority staff recommends to award the phone replacement contract to Midco, Inc. in the amount of \$22,223.52 This has been budgeted under Fund 40-580140, Infrastructure Improvements, in the amount of \$40,000. Although comparative pricing was obtained for due diligence, competitive bidding of this item is not necessary due to it being purchased through a joint purchasing agency. The TAC has reviewed this item and agrees with the recommendation being made.

6. CY2019 Budget

*Motion the EOC to authorize approval of the CY2019 Budget to the Full Boards of Glen Ellyn and Lombard*

7. Discussion

7.1 Facility Improvement Project Update

8. Other Business

8.1 Technical Advisory Committee Minutes

8.2 Pending Agenda Items

8.3 Full Board Meeting

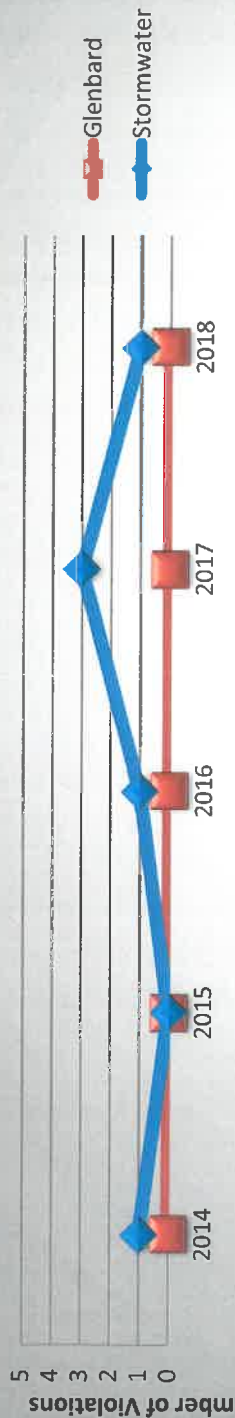
9. ***Next EOC Meeting*** – The next scheduled EOC Meeting is set for ***Thursday, December 13, 2018 at in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137.***

10. Executive Session – Materials to be Provided Under Separate Cover

*Motion the EOC to adjourn to Executive Session for the purposes of discussing the purchase of real estate property for the use of the public body. The EOC will not be returning to open session after adjournment of the Executive Session.*

*Executive Session Materials to be provided under separate cover.*

# NPDES Permit Violations



## Glenbard Plant: \*Current Record

2064 Days February 4, 2013 through August 31, 2018

Previous excursion free operating record:

1058 Days September 8, 2007 – April 10, 2010

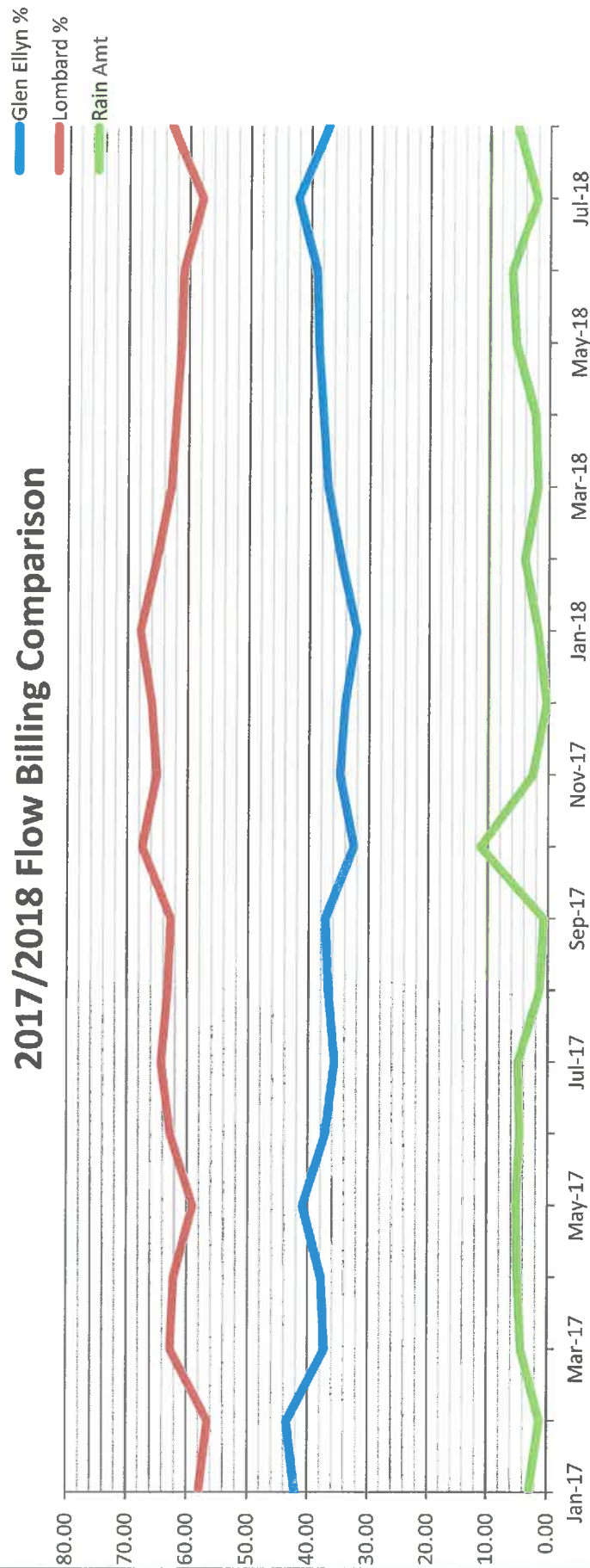
## Stormwater Facility:

168 Days April 15, 2018 through August 31, 2018

Current excursion free operating record:

1140 Days July 11, 2009 through August 27, 2012

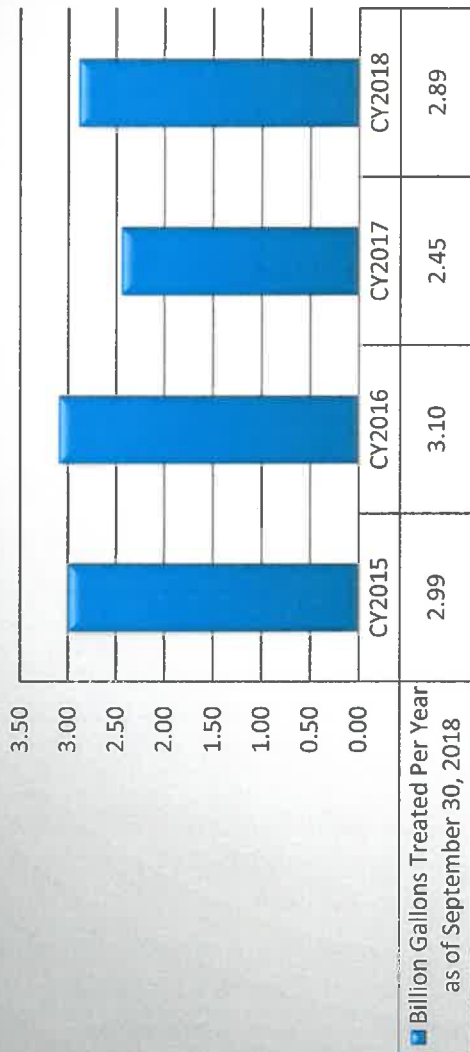
## 2017/2018 Flow Billing Comparison



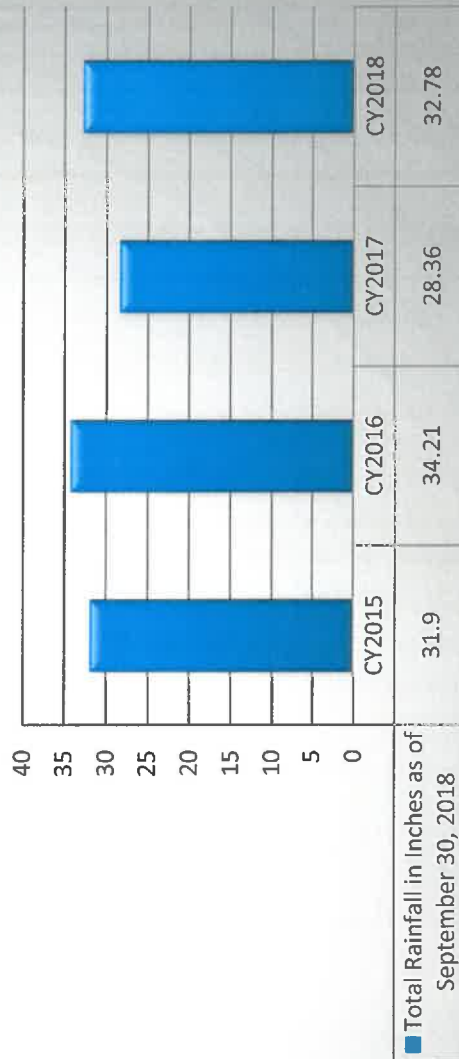
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18
Glen Ellyn %	42.09	43.49	37.31	37.86	40.97	37.23	35.71	36.771	37.26	32.52	34.89	34.0359	32.1375	34.8096	37.099	37.9253	38.7104	39.0417	42.1758	37.1218	38.0773
Lombard %	57.91	56.51	62.69	62.14	59.03	62.77	64.29	63.229	62.74	67.48	65.11	65.9641	67.8625	65.1904	62.901	62.0747	61.2896	60.9583	57.8202	62.8782	61.9227
Rain Amt	2.93	1.24	4.31	4.91	5.21	4.61	4.92	1.385	0.72	11.21	2.61	0.345	1.82	4.07	1.915	2.35	5.6	6.265	2.135	5.415	3.16



# Billion Gallons Treated Per Year as of September 30, 2018



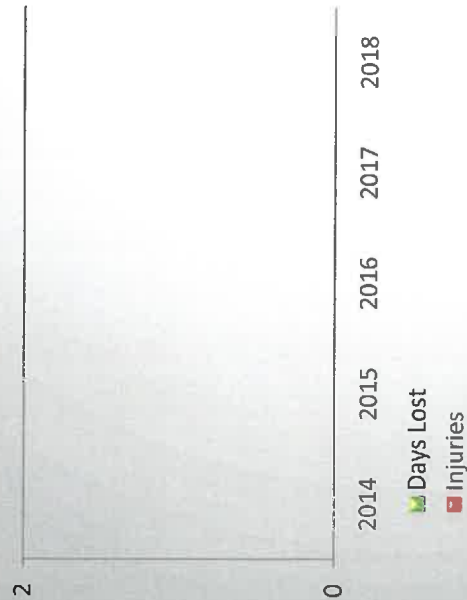
# Total Rainfall in Inches as of September 30, 2018





# The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts

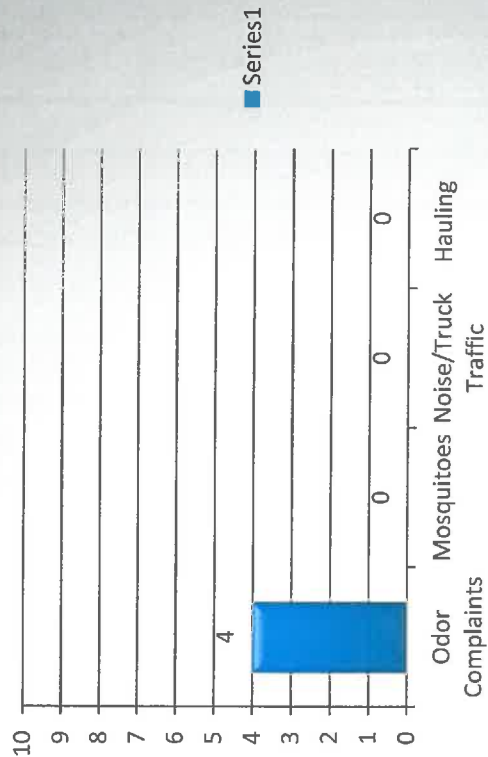
## Injuries + Lost Time



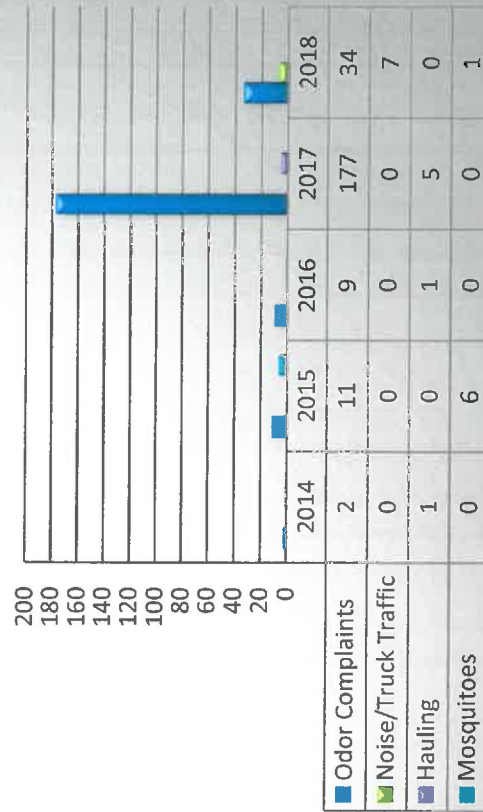
Years	2014	2015	2016	2017	2018
Injuries	0	0	0	0	0
Days Lost	0	0	0	0	0



## August 2018 Complaints



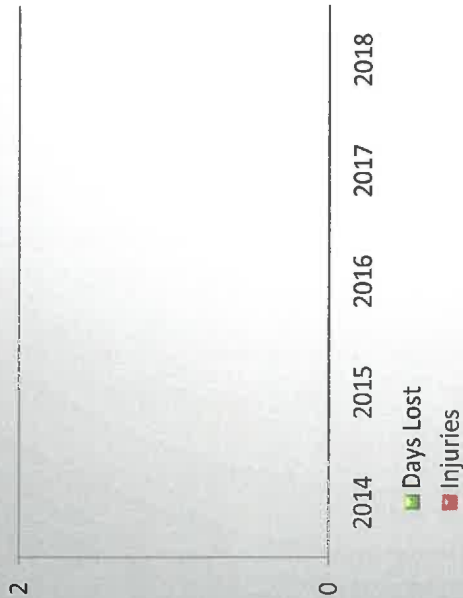
## Annual Complaint Comparison



# The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts



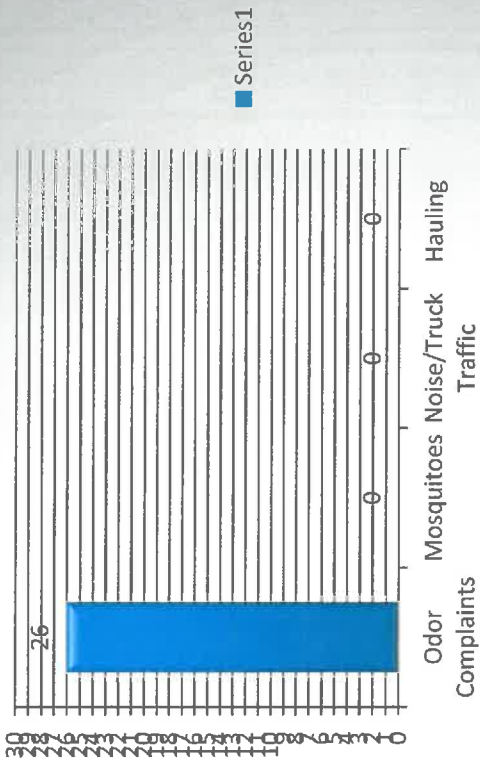
## Injuries + Lost Time



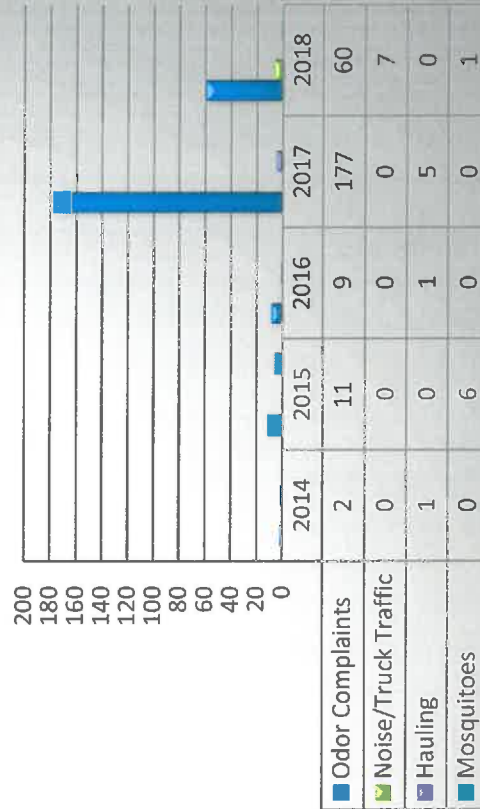
Years	2014	2015	2016	2017	2018
Injuries	0	0	0	0	0
Days Lost	0	0	0	0	0



## September 2018 Complaints

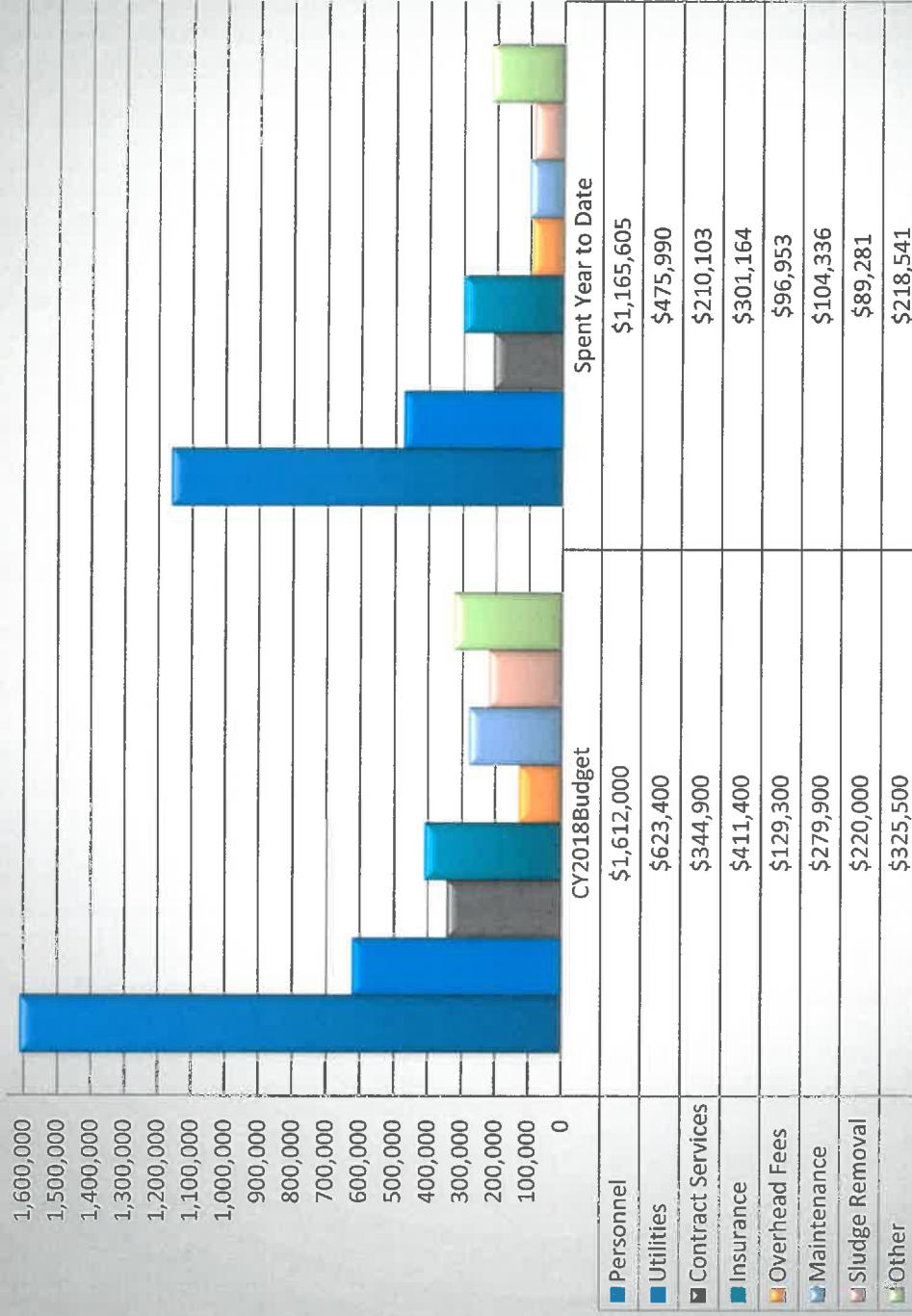


## Annual Complaint Comparison





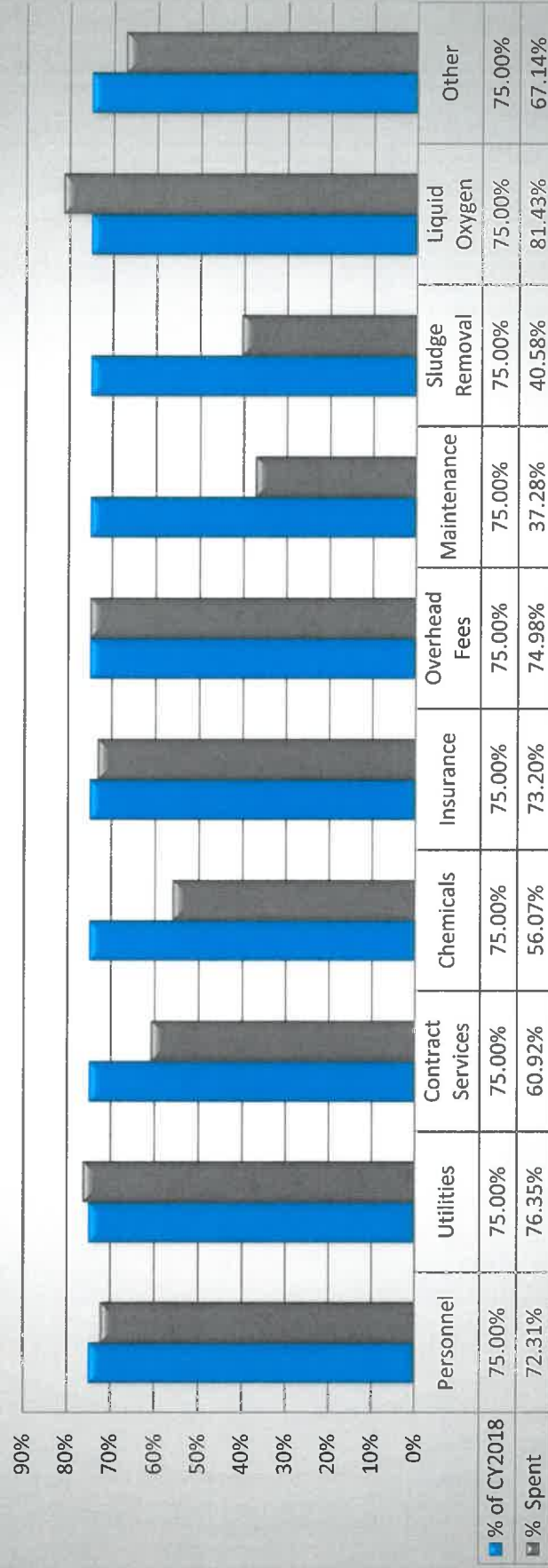
# September O&M Expense \$ Reporting



	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
<b>CY2018 Budget</b>	\$1,612,000	\$623,400	\$344,900	\$115,000	\$411,400	\$129,300	\$279,900	\$220,000	\$325,000	\$325,500
<b>Spent Year to Date</b>	\$1,165,605	\$475,990	\$210,103	\$64,477	\$301,164	\$96,953	\$104,336	\$89,281	\$264,662	\$218,541
<b>% of CY2018</b>	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
<b>% Spent</b>	72.31%	76.35%	60.92%	56.07%	73.20%	74.98%	37.28%	40.58%	81.43%	67.14%



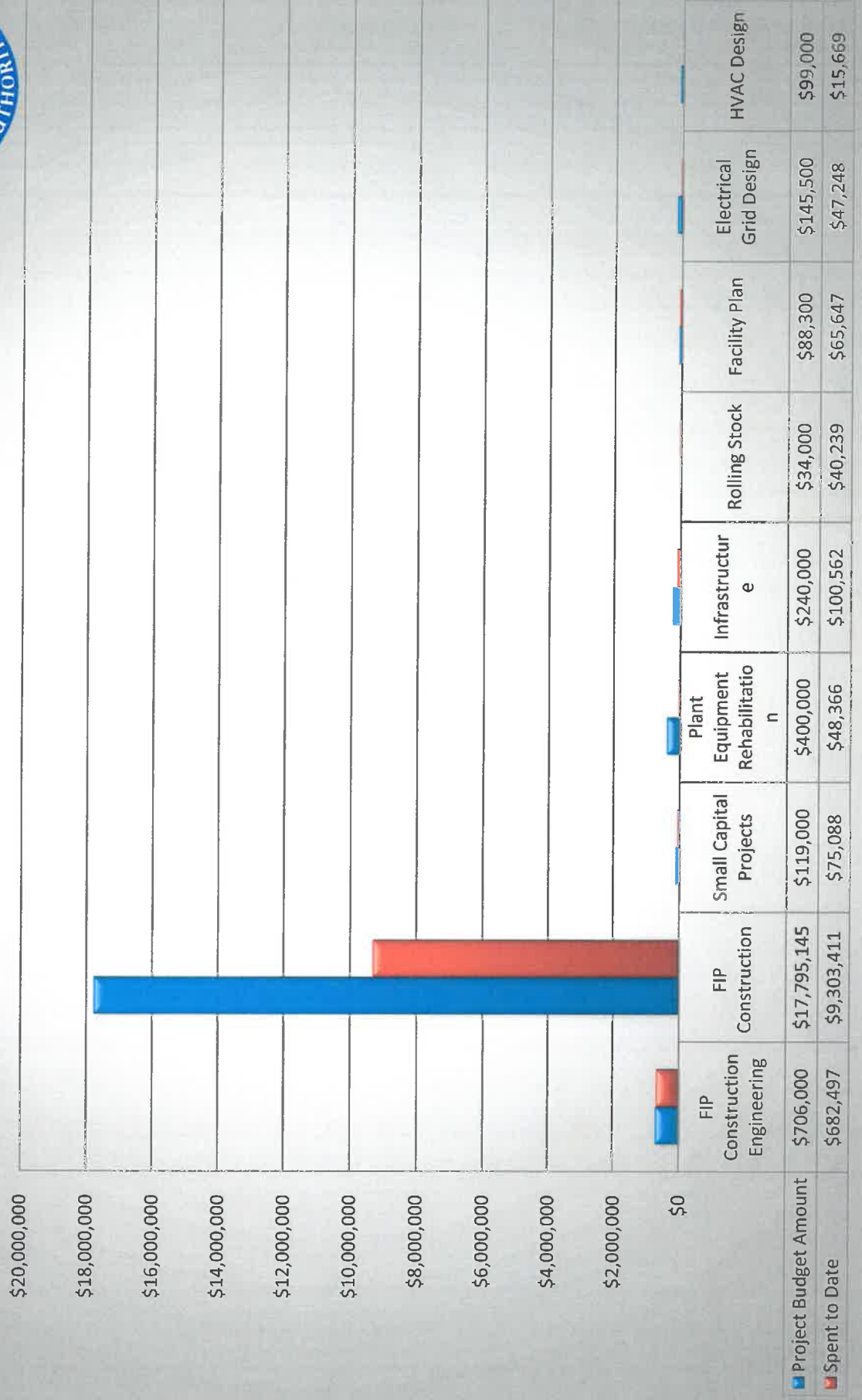
## September O&M Expense % Reporting







## September 2018 Project Updates



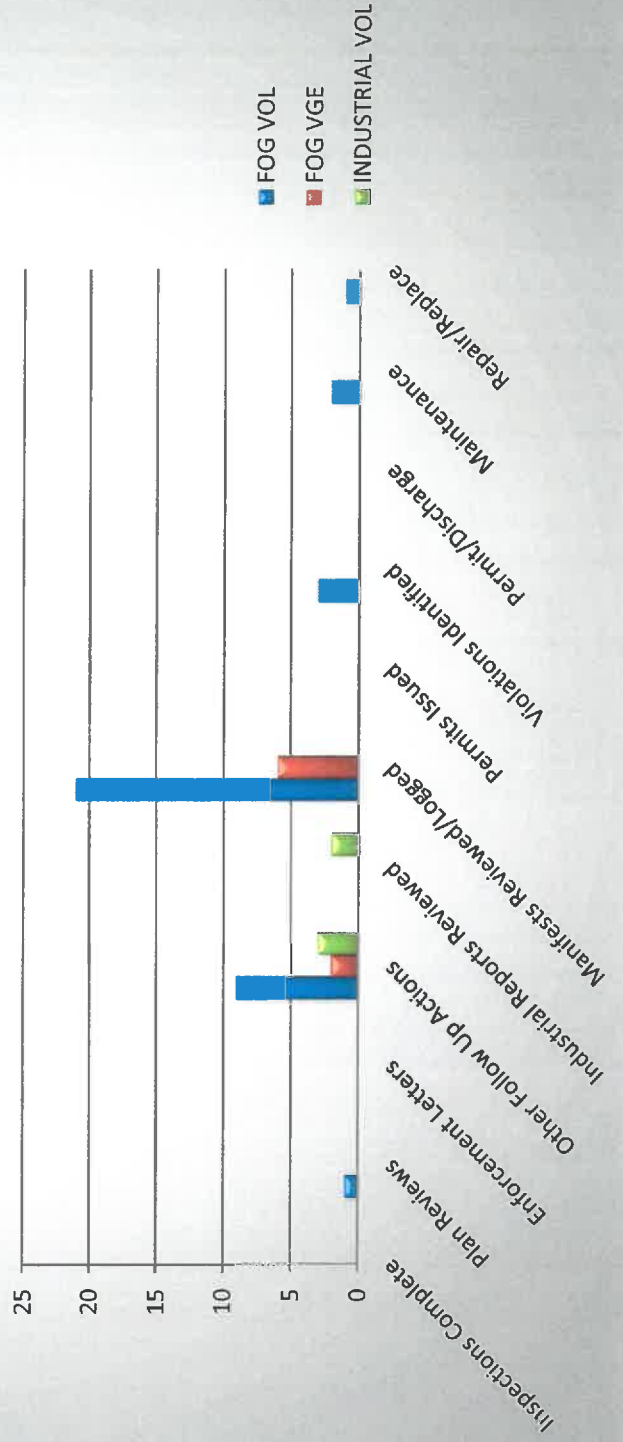
Description	Project Budget Amount	Spent to Date	April Updates
FIP Construction Engineering	\$706,000	\$682,497	Through September 30, 2018
FIP Construction	\$17,795,145	\$9,303,411	Through September 30, 2018
Small Capital Projects	\$119,000	\$75,088	Through September 30, 2018
Plant Equipment Rehabilitation	\$400,000	\$48,366	Through September 30, 2018
Infrastructure	\$240,000	\$100,562	Through September 30, 2018
Rolling Stock	\$34,000	\$40,239	Through September 30, 2018
Facility Plan	\$88,300	\$65,647	Through September 30, 2018 (\$150K budgeted)
Electrical Grid Design	\$145,500	\$47,248	Through September 30 2018 (\$250K budgeted)
HVAC Design	\$99,000	\$15,669	Through September 30, 2018 (\$75K budgeted)



## ENVIRONMENTAL RESOURCE COORDINATOR ACTIONS

Apr-18

	FOG		INDUSTRIAL	
	VOL	VGE	VOL	VOL
Inspections Complete	0	0	0	0
Plan Reviews	1	0		
Enforcement Letters	0	0	0	0
Other Follow Up Actions	9	2	3	3
Industrial Reports Reviewed	-	-	2	2
Manifests Reviewed/Logged	21	6	0	0
Permits Issued	-	-	0	0
Violations Identified	3	-	0	0
Permit/Discharge	-	-	-	-
Maintenance	2	0	-	-
Repair/Replace	1	0	-	-





# Environmental Resources Coordinator Monthly Comments

## Comments:

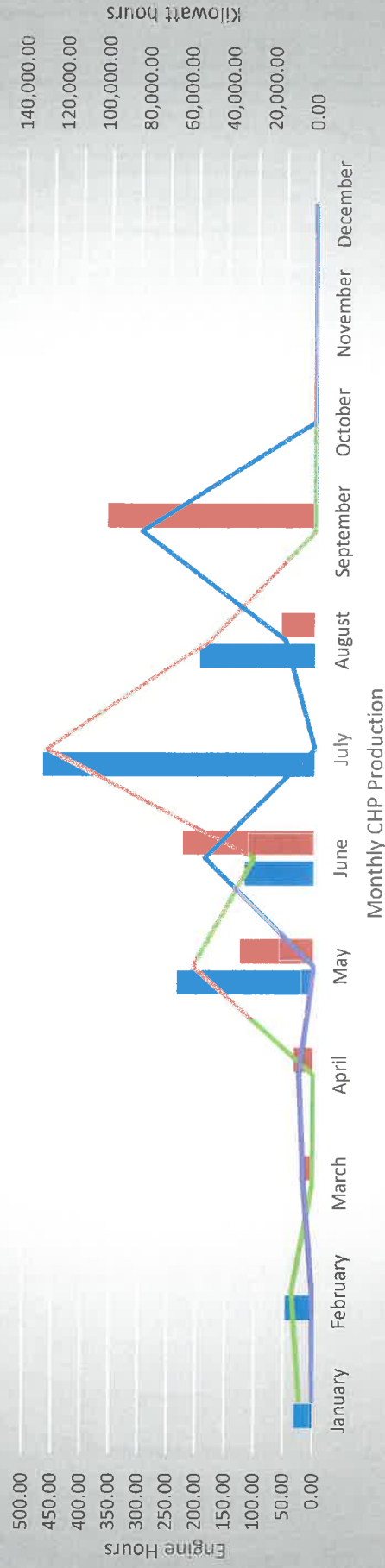
- Reviewed all permit applications and certificate of occupancy applications in VOL and all of the business registration applications for VGE to keep data base up to date and for possible future inspections and/or inclusion in the pretreatment program.
- Attended the Illinois Wastewater Professionals Conference.
- Attended ISPS training.
- Completed annual industrial pretreatment report and submitted to IEPA/EPA.
- Researched current process of filing manifests separate from sample analysis.
- Complied information regarding FOG program progress in VOL for the Building Official.
- Contacted possible HSW suppliers to get deliveries restarted.





# Combined Heat & Power Production Report

Road to Net Zero



## Monthly CHP Production 2018 = \$0.07/kWh

	Engine #1 Hrs	Engine #1 Avail Hrs	Engine #2 Hrs	Engine #2 Avail Hrs	Engine #1 kWh	Engine #2 kWh	Engine #1 Avail kWh	Engine #2 Avail kWh	\$ Saved
January	30.80	744	0.00	744	6,252.00	10.00	279,000	279,000	\$438.34
February	46.40	744	2.20	744	10,038.00	391.00	252,000	252,000	\$730.03
March	1.30	744	22.30	744	224.00	4,632.00	279,000	279,000	\$389.92
April	0.20	744	32.80	744	0.00	6,854.00	279,000	279,000	\$479.78
May	234.40	744	125.40	744	57,834.00	125.40	279,000	279,000	\$4,057.16
June	118.70	744	224.40	744	28,690.00	52,309.00	279,000	279,000	\$5,669.93
July	467.80	744	0.00	744	129,134.00	0.00	279,000	279,000	\$9,039.38
August	197.40	744	57.70	744	49,870.00	14,279.00	279,000	279,000	\$4,490.43
September	0.30	744	356.80	744	22.00	83,156.00	279,000	279,000	\$5,822.46
October	0.00	744	0.00	744	0.00	0.00	279,000	279,000	50.00
November	0.00	744	0.00	744	0.00	0.00	279,000	279,000	50.00
December	0.00	744	0.00	744	0.00	0.00	279,000	279,000	50.00





# Return on Investment Monetary Breakdown

Calendar Year 2017	Grant Funding DCEO/ICECF	HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ \$0.09/kWh	Additional NG Costs; Comp Previous Years Month	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss
January		270,253	\$13,512.65	\$35,121.96	(\$1,283.15)		\$39,893.20	\$37,078.39	2,814.81
February		319,906	\$15,995.30	\$25,186.50	(\$875.65)		\$23,952.59	\$37,078.39	(13,125.80)
March		306,330	\$15,316.50	\$23,849.37	(\$2,433.50)		\$29,716.89	\$37,078.39	(7,361.50)
April		353,953	\$17,697.65	\$32,190.75	(\$3,031.14)		\$45,862.26	\$37,078.39	8,783.87
May		471,371	\$23,568.55	\$22,998.42	(\$3,542.00)		\$42,314.53	\$37,078.39	5,236.14
June	\$129,348.00	572,038	\$28,601.90	\$30,523.32	\$0.00	(\$1,444.40)	\$57,680.82	\$37,078.39	20,602.43
July	\$388,042.50	589,748	\$29,487.40	\$27,406.26	\$0.00	(\$19,703.00)	\$37,190.66	\$37,078.39	112.27
August		479,644	\$23,982.20	\$20,794.32	\$0.00	(\$31,500.00)	\$13,276.52	\$37,078.39	(23,801.87)
September		0	\$0.00	\$7,274.88	\$0.00	(\$895.00)	\$6,379.88	\$37,078.39	(30,698.51)
October		0	\$0.00	\$7,268.13	\$0.00	(\$1,950.43)	\$5,317.70	\$37,078.39	(31,760.69)
November		0	\$0.00	\$3,630.60	\$0.00	\$0.00	\$3,630.60	\$37,078.39	(33,447.79)
December		0	\$0.00	\$1,046.97	\$0.00	(\$895.00)	\$151.97	\$37,078.39	(36,926.42)
<b>Annual Totals</b>	\$517,390.50	3,363,243	\$168,162.15	\$237,291.48	(\$17,340.55)	(\$82,745.46)	\$305,367.62		
Repayment Balance	\$3,915,478.51								
Annual Payback on Investment	\$305,367.62								
Current Return on Investment in Years	12.8								Average \$25,521.89
Calendar Year 2018									
January	0	\$0.00	\$0.00	\$438.34	\$33,802.49	(33,364.15)			
February	0	\$0.00	\$0.00	\$730.03	\$33,802.49	(33,072.46)			
March	0	\$0.00	\$0.00	\$339.92	\$33,802.49	(33,462.57)			
April	0	\$0.00	\$0.00	\$479.78	\$33,802.49	(33,322.71)			
May	63,882	\$3,244.10	\$0.00	\$7,301.26	\$33,802.49	(26,501.23)			
June	44,500	\$2,250.00	\$0.00	\$7,145.84	\$33,802.49	(26,656.65)			
July	50,500	\$2,525.00	\$0.00	\$10,132.74	\$33,802.49	(23,669.75)			
August	65,900	\$3,295.00	\$0.00	\$7,552.72	\$33,802.49	(26,249.77)			
September	30,400	\$1,520.00	\$0.00	\$6,447.46	\$33,802.49	(27,355.03)			
October	0	\$0.00	\$0.00	\$0.00	\$33,802.49	(33,802.49)			
November	0	\$0.00	\$0.00	\$0.00	\$33,802.49	(33,802.49)			
December	0	\$0.00	\$0.00	\$0.00	\$33,802.49	(33,802.49)			
<b>Annual Totals</b>	255,182	\$12,834.10	\$0.00	\$40,568.09					
Repayment Balance	\$3,569,542.80								
Annual Payback on Investment	\$214,361.43								
Current Return on Investment in Years	16.7								

**SECTION 5.0**

**CONSENT AGENDA**

# **SECTION 5.1**

## **MINUTES FROM THE SEPTEMBER 13, 2018 MEETING**

GLENBARD WASTEWATER AUTHORITY  
Executive Oversight Committee  
Minutes  
September 13, 2018  
Meeting held at the Glenbard Wastewater Plant  
945 Bemis Road, Glen Ellyn, IL

Members Present:

Keith Giagnorio	President, Village of Lombard
Diane McGinley	President, Village of Glen Ellyn
Mike Fugiel	Trustee, Village of Lombard
Bill Enright	Trustee, Village of Glen Ellyn
Scott Niehaus	Village Manager, Village of Lombard
Mark Franz	Village Manager, Village of Glen Ellyn
Carol Goldsmith	Public Works Director, Village of Lombard
Dave Buckley	Assistant Public Works Director, Village of Glen Ellyn

Others Present:

Matthew Streicher	Executive Director, GWA
Tom Romza	Assistant Director/Engineer, GWA
Rick Freeman	Electrical Superintendent, 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
Tim Sexton	Finance Director, Village of Lombard
Gayle Lendabarker	Administrative Secretary, GWA

1. Call to Order at 8:00 a.m.
2. Roll Call: President Giagnorio, President McGinley, Trustee Fugiel, Trustee Enright, Mr. Franz, Mr. Goldsmith and Mr. Buckley 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 June, July and August 2018 totaling \$3,7836,008.32 (Trustee Enright).*

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

- 5.1 Executive Oversight Committee Meeting Minutes:
  - o June 14, 2018 EOC Meeting
- 5.2 Vouchers previously reviewed by Trustee Enright
  - o June, July and August 2018
- 5.3 Approval of Purchase of Biogas Media

As part of the new CHP system, the biogas being used to fuel the generators needs to be cleaned of hydrogen sulfides and siloxanes, which would cause damage to the internal CHP engine parts that are essential to the system. The scrubbing of the gas is key to increasing the overall life of the engines.

The current media has reached its useful life and needs to be replaced. Calls were made to 3 other local plants in the area that have the same equipment, and they all go with Unison for the media, so we were unable to find more suppliers of the media to attempt to get prices than what we have listed in the memo. Also, the gas scrubbing system itself is manufactured by Unison, so ideally their media is the best to use – however it is possible to use 3<sup>rd</sup> party sources, if available.

In the 2018 GWA budget, staff allocated \$75,000 for the purchase of this media in budget category Plant Equipment Rehabilitation account 40 580150. This purchase is well below this budgeted amount. The Authority recommends approving the purchase from Unison Solutions in the not-to-exceed amount of \$24,675.75 that would come out of account 40-580150.

5.4 Roof Contract Award

On Tuesday, August 28, 2018, eight (8) bids were opened for the Roof Replacement at Buildings P and T. The low Base Bid of \$142,270.00 was submitted by Adler Roofing and Sheet Metal, Inc. of Joliet, Illinois. The highest bid received was \$249,550. See attached Bid Tabulation Sheet for a complete summary of the bids.

The budgeted amount for CY2018 for this project was \$84,723, putting this projection \$57,547 above the budgeted amount. However, prior to going to bid, the Authority's new roofing consultant had advised us that the budgeted amount for the work was low, which is demonstrated by the good range of bids received. The Consultant has been working with the Authority to revise future budget amounts. Also attached is a spreadsheet showing the over/under total for Fund 40 projects, which includes this projected amount above budget, but does not include any overages from the FIP project. As demonstrated, excluding the FIP project, overall the Authority is under budget on Fund 40 projects, therefore this overage does not affect the budget significantly.



Based on the recommendation of the Authority's roofing consultant, it is recommended that the Authority award the contract to Adler Roofing and Sheet Metal for the Roof Replacement at Buildings P and T in the amount of \$142,270, which would come out of Fund 40-580145.

*Trustee Enright asked what the biogas media did. Mr. Streicher advised that the media filters the impurities from the methane gas before it is burned by the CHP engines.*

*Mr. Goldberg noted that he was not listed on the members present at the June meeting. Ms. Lendabarker indicated she would amend the Minutes to reflect Mr. Goldsmith's presence at the meeting.*

6. CY2019 Draft Budget Review

Enclosed in the agenda is a memo highlighting the significant budgetary impacts for CY2019 and how they compare to CY2018. Also enclosed are pertinent sheets from the Draft CY2019 budget, and the full detail will be able to be discussed at the meeting.

*Mr. Streicher provided a summary of the latest update to the proposed CY2019 budget. Mr. Streicher noted that in the Capital plan the overpayment for the FIP loan repayment was no longer being separated out, as well as the operating surpluses from the previous two years. Also, the Biosolids Improvements project in the future was no longer scheduled to be a loan project; as well as moving all of the salary expenses relating to the Assistant Director/Engineer to the O&M personnel fund. Mr. Streicher indicated that the O&M side of the budget did see increases mainly due to moving all expenses relating to the new Assistant Director/Engineer to the O&M side of the budget and the unpredictability of usage for various utilities as the historical data is not available due to the significant changes the plant has seen; i.e. installation and start-up of the CHP, and the shutting down of the cryo plant. Mr. Streicher indicated that Chemicals costs were increased as there was an additional chemical process installed at the main plant as part of the FIP, and the anticipated increase of chemical hauling costs. The chemical haulers already attempted to increase costs due to themselves experiencing unexpected cost increases, but GWA is currently holding them to contract pricing. Mr. Streicher indicated that overall, there is only a one percent (1%) increase to the CY2019 budget over the CY2018 budget.*

*Trustee Fugiel expressed his appreciation of the efforts of the TAC to thoroughly comb through the budget and keep the increases to a minimum. Mr. Streicher expressed his appreciation to Mr. Franz, Mr. Sexton and Ms. Coyle for their guidance and input on making sure the budget was an accurate reflection of GWA's finances.*

*Trustee Enright asked if the waste receiving revenue in the capital budget plan is the FOG revenue. Mr. Streicher advised it was.*

*Trustee Enright asked about the complaints regarding truck traffic. Mr. Streicher indicated that in addition to the odor complaints, several neighbors complained about truck traffic as several vendors were coming during off/overnight hours and the exit gate on the West end of the plant is directly across from their homes so all trucks were restricted to more traditional daytime hours, seven days a week.*

*Trustee Enright asked about the increase for merit pay and asked if it was across the board. Mr. Streicher explained that the percentage is a maximum amount eligible and that each employee's performance will determine the actual increase amount they receive.*

*Trustee Enright inquired as to why the natural gas line item in the budget is going up if GWA is able to produce their own gas. Mr. Streicher explained that in the past the budget numbered had been lowered in anticipation of the CHP producing enough gas to fuel the digester boilers but that has not been the reality due to the issues with the CHP, so the boilers are being heated by using natural gas when there is not enough methane gas to fuel CHP being produced.*

*Mr. Franz asked what the final decision on the percent of contributions from the Villages for the capital plan came in at. Mr. Streicher indicated that the budget reflects a 1 percent (1%) contribution. Mr. Niehaus asked if Mr. Streicher anticipated any additional or drastic changes to the budget. Mr. Streicher indicated that other than revised roof replacement cost planning for the coming years, which will have a minimal impact, he does not foresee any substantial changes to the presented numbers. Mr. Streicher indicated that his hope at the next meeting is to present final version for approval and recommendation to present to the Full Board at the Annual GWA Full Board meeting.*

7. Facility Improvement Project Change Order No. 005

The Technical Advisory Committee (TAC) has previously reviewed the change order documents and is aware of the proposed changes. Based on the review of the items included in the change order by the TAC committee, at the time the Authority recommends approval of the proposed Facility Improvements Project Change Order No. 005 in the amount of \$6,425.98, increasing the overall contract cost from \$17,694,832.84 to \$17,701,258.82. This change order involves two credits and one additional cost item that is non-negotiable, as explained in further detail in the enclosed memo.

*Mr. Streicher indicated that the change order is a result of complications encountered during the digging, in that the contractor did encounter an obstruction from a previous structure that had been abandoned, as well as some cost savings that the GWA staff was able to realize these savings by not completing some of the scheduled work, and avoiding the purchase of additional equipment. The matter had been presented to the TAC Committee for preliminary feedback and approval.*

*Mr. Niehaus motioned and Mr. Goldsmith seconded the motion to approve Change Order 005 to the Facilities Improvement Project for in the amount of \$6,425.98, increasing the overall contract price from \$17,694,832.84 to \$17,701,258.82. President Giagnorio, President McGinley, Trustee Fugiel, Trustee Enright, Mr. Franz, Mr. Goldsmith, and Mr. Buckley responded "Aye" during a roll vote. The motion carried.*

8. Discussion

8.1 Facility Improvement Project Update

*Mr. Streicher provided an update on the FIP Project indicating that all of their current payments have been released and that some items from the filter portion of the project are not completed but staff is holding the accountable for getting the items done; but overall the system is operational and functioning as designed.*

*Mr. Goldsmith asked if there was an anticipated number of RE hours to be put in by GWA Staff. Mr. Streicher indicated that was not a specific number of hours designated to be GWA staff hours.*

*Mr. Franz asked if project will be completed by November 2019. Mr. Streicher indicated that he is optimistic that the project will reach substantial completion by that time; however, he does not think the project will be done and signed off until the early 2020.*

8.2 Pretreatment Ordinance Status Update

*Mr. Streicher indicated that as he has become more involved in the matter it has become apparent that what the EPA had pre-approved was different than the final version Lombard asked to have sent in for approval. GWA has learned that a letter outlining the issues is forthcoming. Mr. Streicher advised that the IEPA's response will be brought to the TAC when it is received.*

8.3 CHP Updates

*Mr. Streicher provided an update on how the process of resuming the intake of FOG and the operation of the CHP indicating that GWA is having difficulty locating vendors to bring their FOG deliveries to our facility again but we are getting some steady deliveries and Laurie Frieders is working on locating more qualified vendors to make deliveries to the GWA.*

8.4 Personnel Updates – Assistant Director Introduction

*Mr. Streicher introduced the new Assistant Director/Engineer, Thomas Romza who comes to GWA from RJN Group.*

9. Other Business

9.1 Technical Advisory Committee Updates

9.2 Pending Agenda Items

9.3 GWA Annual Full Board Meeting – The Full Board Meeting with both Village’s full boards in attendance to approve the Glenbard Wastewater Authority’s CY2019 Budget, is set for **Thursday, November 15, 2018 at 6:00 pm** in the Community Room of the Village of Lombard Village Hall, 255 E Wilson Avenue, Lombard, IL 60148.

10. *Next EOC Meeting* – The next regularly scheduled EOC Meeting is set for **Thursday, October 11, 2018 at 8:00 a.m. in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, Illinois.**

**Trustee Fugiel moved to adjourn the September 13, 2018 EOC Meeting and convene for Executive Session for the purpose of discussing the purchase of real property, from which the Committee will not return to regular session. Mr. Goldsmith seconded the MOTION. President Giagnorio, President McGinley, Mr. Fugiel, Mr. Enright, Mr. Niehaus, Mr. Franz, Mr. Goldsmith, and Mr. Buckley responded “Aye” during a roll vote. The motion carried. The meeting adjourned at 8:35 a.m.**

11. Executive Session – Materials to be Provided Under Separate Cover

*Motion the EOC to adjourn to Executive Session for the purposes of discussing the purchase of real property for the use of the public body. The EOC will not be returning to open session after adjournment of the Executive Session.*

*Executive Session Materials to be provided under separate cover!*

Submitted by:

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Gayle A. Lendabarker  
GWA Administrative Secretary

**SECTION 5.2**

**VOUCHERS**

**SEPTEMBER AND PART**

**OF OCTOBER 2018**



**GLENBARD WASTEWATER AUTHORITY**  
**APPROVAL OF VOUCHERS**  
For the meeting in October 2018

<b>EXPENDITURES:</b>	<b>Check Date</b>	<b>Paid Amount</b>
Accounts Payable Warrant 0918-1	9/20/2018	\$912,937.91
Accounts Payable Warrant 0918-2	9/28/2018	\$284,075.94
Accounts Payable Warrant 1018-1	10/18/2018	\$157,206.33
	<b>Warrant Total</b>	<b>\$1,354,220.18</b>

**PAYROLL EXPENDITURES:**      **October 12, 2018**

Net Employee Payroll Checks      **\$36,981.58**

**Employee & Employer Payroll Deductions:**

Employee Deductions*	\$19,085.68
IMRF - Employer contribution	\$5,184.91
Social Security/Medicare Tax Withheld - Employer portion	\$4,090.33
<b>Total Payroll</b>	<b>\$ 65,342.50</b>

**\$ 65,342.50**

**GRAND TOTAL**

**\$1,419,562.68**

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



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TO FISCAL 2018/10 01/01/2018 TO 12/31/2018

VENDOR NAME DOCUMENT	INV DATE	VOUCHER PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
19356 INVOICE: 1277604	08/22/18	20160007	2408	W	09/20/18	40	580180 14007 FACILITY IMPROVEMENT PROJ	12,435.36
VENDOR TOTALS		108,428.79	YTD INVOICED				108,428.79 YTD PAID	12,435.36
1221 BOLLER CONSTRUCTION CO, INC 19357 INVOICE: PAYMENT 12	06/30/18	20170007	2409	W	09/20/18	40	580180 14007 FACILITY IMPROVEMENT PROJ	701,353.33
VENDOR TOTALS		3,676,349.41	YTD INVOICED				3,676,349.41 YTD PAID	701,353.33
819 UNITED COMMUNICATIONS 19415 INVOICE: 19415	09/15/18		957619	P	09/20/18	270	TELECOMMUNICATIONS	1,182.64
VENDOR TOTALS		11,207.07	YTD INVOICED				11,207.07 YTD PAID	1,182.64
37 CDW GOVERNMENT, INC. 19358 INVOICE: NXP9219	08/27/18		957620	P	09/20/18	270	MAINTENANCE-ELECTRONICS	122.84
VENDOR TOTALS		596.53	YTD INVOICED				596.53 YTD PAID	122.84
47 CINTAS CORPORATION #769 19417 INVOICE: 769488393	09/11/18		957621	P	09/20/18	270	BUILDING & GROUNDS CONTRA	207.78
VENDOR TOTALS		1,973.46	YTD INVOICED				1,973.46 YTD PAID	207.78
768 CINTAS FIRST AID & SAFETY 19359 INVOICE: 8403785192	08/24/18		957622	P	09/20/18	270	SAFETY RELATED EQUIPMENT/S	327.43
VENDOR TOTALS		2,893.79	YTD INVOICED				2,893.79 YTD PAID	327.43
1218 COLLEY ELEVATOR CO. 19360 INVOICE: 176029	09/01/18		957623	P	09/20/18	270	BUILDING & GROUNDS CONTRA	191.00
VENDOR TOTALS		2,327.00	YTD INVOICED				2,327.00 YTD PAID	191.00
490 COMCAST CABLE COMMUNICATIONS, LLC 19361 INVOICE: 19361	08/25/18		957624	P	09/20/18	270	TELECOMMUNICATIONS	202.59
VENDOR TOTALS		2,025.90	YTD INVOICED				2,025.90 YTD PAID	202.59
1138 CONSTELLATION ENERGY SERVICES INC 19362 INVOICE: 2404337	09/08/18		957625	P	09/20/18	270	NATURAL GAS	548.23
19362	09/08/18		957625	P	09/20/18	270-1	NATURAL GAS	123.57



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TO FISCAL 2018/10 01/01/2018 TO 12/31/2018

VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
-----										
VENDOR TOTALS										
661.91 YTD INVOICED										
661.91 YTD PAID										
430.59										
297 W.W. GRAINGER, INC.										
19368 08/28/18										
INVOICE: 988539948										
19369 08/29/18										
INVOICE: 9889792652										
19370 09/05/18										
INVOICE: 9897081338										
438.00										
VENDOR TOTALS										
9,452.28 YTD INVOICED										
9,452.28 YTD PAID										
575.64										
743 GROOT, INC										
19371 08/01/18										
INVOICE: 2152073										
19372 09/01/18										
INVOICE: 2260586										
274.80										
VENDOR TOTALS										
3,510.27 YTD INVOICED										
3,510.27 YTD PAID										
274.80										
549.60										
119 HACH COMPANY										
19374 09/05/18										
INVOICE: 11121413										
19376 06/12/18										
INVOICE: 10998578										
222.18										
VENDOR TOTALS										
11,695.50 YTD INVOICED										
11,695.50 YTD PAID										
528.63										
1147 ILLINOIS AMERICAN WATER COMPANY										
19379 08/23/18										
INVOICE: 19379										
957636 P 09/20/18 270-3										
521203										
WATER										
124.12										
VENDOR TOTALS										
1,249.19 YTD INVOICED										
1,249.19 YTD PAID										
124.12										
430 ILLINOIS EPA FISCAL SERVICES SEC.										
19380 08/31/18										
INVOICE: 43804AAK										
957637 P 09/20/18 270										
520775										
REGULATORY FEES										
235.00										
VENDOR TOTALS										
72,735.00 YTD INVOICED										
72,735.00 YTD PAID										
235.00										
787 JWC ENVIRONMENTAL LLC										
19381 08/23/18										
INVOICE: 93562										
957638 P 09/20/18 40										
580120										
SMALL CAPITAL PROJECTS										
9,392.00										
VENDOR TOTALS										
9,392.00 YTD INVOICED										
9,392.00 YTD PAID										
9,392.00										
185 KONICA MINOLTA BUSINESS SOLUTIONS INC										
19382 08/25/18										
INVOICE: 9004895088										
957639 P 09/20/18 270										
530100										
OFFICE EXPENSES										
57.94										



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TO FISCAL 2018/10 01/01/2018 TO 12/31/2018

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	677.53 YTD PAID	677.53 YTD INVOICED	532.20 YTD PAID	532.20 YTD INVOICED	57.94
VENDOR TOTALS													
157 LEN'S ACE HARDWARE, INC. 19383 INVOICE: 85986 19384 INVOICE: 86070 19385 INVOICE: 86169 19386 INVOICE: 86188 19387 INVOICE: 86247 19388 INVOICE: 86270	08/09/18 08/14/18 08/21/18 08/22/18 08/27/18 08/28/18			957640 957640 957640 957640 957640 957640	P P P P P P	09/20/18 09/20/18 09/20/18 09/20/18 09/20/18 09/20/18	270 270 270 270 270 270	MAINTENANCE-EQUIPMENT OPERATIONS - SUPPLIES OPERATIONS - SUPPLIES OPERATIONS - SUPPLIES OPERATIONS - SUPPLIES MAINTENANCE-EQUIPMENT	520975 520990 520990 520990 520990 520975	677.53 YTD PAID	532.20 YTD PAID	532.20 YTD INVOICED	41.71
VENDOR TOTALS													
517 LIPKE-KENTEX CORP. 19390 INVOICE: 556325	08/29/18			957641	P	09/20/18	270	MAINTENANCE-EQUIPMENT	520975	520975	520975	208.37	208.37
VENDOR TOTALS													
171 MCMASTER-CARR SUPPLY CO. 19391 INVOICE: 72318254 19392 INVOICE: 70900920	08/31/18 08/17/18			957642 957642	P P	09/20/18 09/20/18	270 270	MAINTENANCE-EQUIPMENT MAINTENANCE-EQUIPMENT	520975 520975	520975 520975	520975 520975	138.14 134.56	138.14 134.56
VENDOR TOTALS													
175 METROPOLITAN PUMP COMPANY 19393 INVOICE: 337809	08/22/18			957643	P	09/20/18	270	MAINTENANCE-EQUIPMENT	520975	520975	520975	242.43	242.43
VENDOR TOTALS													
188 MOTION INDUSTRIES INC 19394 INVOICE: IL10-641436	08/25/18			957644	P	09/20/18	270	MAINTENANCE-ELECTRONICS	520980	520980	520980	105.55	105.55
VENDOR TOTALS													
1157 WEST NATION 19416 INVOICE: 19416	09/12/18			957645	P	09/20/18	270	OFFICE EXPENSES	530100	530100	530100	60.00	60.00
VENDOR TOTALS													

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TO FISCAL 2018/10 01/01/2018 TO 12/31/2018

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
873 THE PITNEY BOWES BANK, INC 19414 09/05/18 INVOICE: 19414				957646	P	09/20/18	270 530100	OFFICE EXPENSES	125.00
VENDOR TOTALS				459.16	YTD INVOICED			459.16 YTD PAID	125.00
233 PVS MINIBULK, INC 19396 07/03/18 INVOICE: 123676				957647	P	09/20/18	270-1 530440	CHEMICALS	4,273.81
VENDOR TOTALS				19,289.90	YTD INVOICED			19,289.90 YTD PAID	4,273.81
236 RAILROAD MANAGEMENT CO., LLC 19397 08/29/18 INVOICE: 377183				957648	P	09/20/18	270-1 520970	MAINTENANCE-BUILDING & GR	527.99
VENDOR TOTALS				527.99	YTD INVOICED			527.99 YTD PAID	527.99
412 NESTLE WATERS NORTH AMERICA 19398 09/06/18 INVOICE: 1818100616302				957649	P	09/20/18	270 530100	OFFICE EXPENSES	127.81
VENDOR TOTALS				929.53	YTD INVOICED			929.53 YTD PAID	127.81
1273 REDZONE ROBOTICS, INC 19401 08/27/18 INVOICE: 12677				20180013	P	09/20/18	40 580150	PLANT EQUIPMENT REHABILIT	118,589.73
VENDOR TOTALS				118,589.73	YTD INVOICED			118,589.73 YTD PAID	118,589.73
180 RELADYNE -MID-TOWN PETROLEUM INC. 19399 09/06/18 INVOICE: 1148943-IN				957651	P	09/20/18	270 520975	MAINTENANCE-EQUIPMENT	102.08
VENDOR TOTALS				5,156.65	YTD INVOICED			5,156.65 YTD PAID	102.08
1212 RJN GROUP, INC 19400 08/30/18 INVOICE: 305020				20180002	P	09/20/18	270 520981	ELECTRONICS CONTRACTUAL	10,149.00
VENDOR TOTALS				128,490.00	YTD INVOICED			128,490.00 YTD PAID	10,149.00
246 RYAN HERCO PRODUCTS CORP 19378 09/05/18 INVOICE: 9033199				957653	P	09/20/18	270 520975	MAINTENANCE-EQUIPMENT	557.48
VENDOR TOTALS				557.48	YTD INVOICED			557.48 YTD PAID	557.48
939 STAPLES CONTRACT & COMMERCIAL INC. 19402 09/04/18 INVOICE: 3389690430				957654	P	09/20/18	270 530100	OFFICE EXPENSES	25.27

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TO FISCAL 2018/10 01/01/2018 TO 12/31/2018

VENDOR NAME		INV DATE VOUCHER PO		CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION			
DOCUMENT											
19403	INVOICE: 3389690429	08/24/18		957654	P	09/20/18	270	530100	OFFICE EXPENSES	399.99	
VENDOR TOTALS		2,972.11 YTD INVOICED						2,972.11	YTD PAID	425.26	
738	SUBURBAN LABORATORIES, INC.										
19404	INVOICE: 158730	09/12/18		957655	P	09/20/18	270	520806	PROFESSIONAL SERVICES-LAB	604.00	
19405	INVOICE: 158335	08/31/18		957655	P	09/20/18	270	520806	PROFESSIONAL SERVICES-LAB	1,258.00	
VENDOR TOTALS		23,540.30 YTD INVOICED						23,540.30	YTD PAID	1,862.00	
271	TERRACE SUPPLY COMPANY										
19406	INVOICE: 991524	08/31/18		957656	P	09/20/18	270	520976	MAINTENANCE-CONTRACTUAL	62.02	
19407	INVOICE: 21476	08/28/18		957656	P	09/20/18	270	520975	MAINTENANCE-EQUIPMENT	-34.15	
VENDOR TOTALS		989.73 YTD INVOICED						989.73	YTD PAID	27.87	
477	UNITED PARCEL SERVICE, INC										
19408	INVOICE: 9YF103368	09/08/18		957657	P	09/20/18	270	520975	MAINTENANCE-EQUIPMENT	3.81	
19408	INVOICE: 9YF103368	09/08/18		957657	P	09/20/18	270	530100	OFFICE EXPENSES	12.27	
VENDOR TOTALS		57.92 YTD INVOICED						57.92	YTD PAID	16.08	
1285	SCREAMIN' EXPRESS METAL WORKS INC										
19409	INVOICE: 25713	09/11/18		957658	P	09/20/18	40	580150	PLANT EQUIPMENT REHABILIT	10,979.32	
VENDOR TOTALS		10,979.32 YTD INVOICED						10,979.32	YTD PAID	10,979.32	
988	VERIZON WIRELESS SERVICES LLC										
19410	INVOICE: 9813829208	09/01/18		957659	P	09/20/18	270	521195	TELECOMMUNICATIONS	225.19	
19411	INVOICE: 9813018758	08/18/18		957659	P	09/20/18	270	521195	TELECOMMUNICATIONS	444.24	
VENDOR TOTALS		6,466.74 YTD INVOICED						6,466.74	YTD PAID	669.43	
									REPORT TOTALS	912,937.91	

TOTAL PRINTED CHECKS 47 199,149.22  
TOTAL WIRE TRANSFERS 2 713,788.69



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TO FISCAL 2018/10 01/01/2018 TO 12/31/2018

VENDOR NAME DOCUMENT	INV DATE VOUCHER PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
-----							
VENDOR TOTALS	2,893.79	YTD INVOICED			2,893.79	YTD PAID	334.90
1248 B&W CONTROL SYSTEMS INTEGRATION LLC 19439 09/21/18 20180011	957665	P		09/28/18	40	580140	INFRASTRUCTURE UPGRADES
INVOICE: 201401							5,188.00
19440 09/21/18	957665	P		09/28/18	40	580120	SMALL CAPITAL PROJECTS
INVOICE: 201400							1,503.03
VENDOR TOTALS	50,538.25	YTD INVOICED			50,538.25	YTD PAID	6,691.03
852 DELUXE BUSINESS CHECKS & SOLUTIONS 19470 09/25/18	2414	W		09/28/18	270	530100	OFFICE EXPENSES
INVOICE: 92518							58.37
VENDOR TOTALS	58.37	YTD INVOICED			58.37	YTD PAID	58.37
659 DUPAGE RIVER/SALT CREEK WORKGROUP 19441 04/24/18	957666	P		09/28/18	270	520776	TMDL COMMITMENT
INVOICE: 61							31,242.00
19441 04/24/18	957666	P		09/28/18	40	580180	14011 CAPITAL PROJECTS
INVOICE: 61							159,478.00
VENDOR TOTALS	190,720.00	YTD INVOICED			190,720.00	YTD PAID	190,720.00
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC 19464 09/07/18	957667	P		09/28/18	270	520980	MAINTENANCE-ELECTRONICS
INVOICE: 253664							1,060.04
VENDOR TOTALS	5,155.22	YTD INVOICED			5,155.22	YTD PAID	1,060.04
1283 FERGUSON ENTERPRISES, INC. 19433 09/18/18	957668	P		09/28/18	270	520981	ELECTRONICS CONTRACTUAL
INVOICE: 4678789							1,142.00
VENDOR TOTALS	1,642.00	YTD INVOICED			1,642.00	YTD PAID	1,142.00
100 FLOW-TECHNICS, INC 19442 09/12/18	957669	P		09/28/18	40	580120	SMALL CAPITAL PROJECTS
INVOICE: 6782							525.00
VENDOR TOTALS	7,546.00	YTD INVOICED			7,546.00	YTD PAID	525.00
107 GASVODA & ASSOCIATES, INC. 19420 09/19/18	957670	P		09/28/18	40	580120	SMALL CAPITAL PROJECTS
INVOICE: 1801745							9,705.45
VENDOR TOTALS	10,492.84	YTD INVOICED			10,492.84	YTD PAID	9,705.45
293 VILLAGE OF GLEN ELLYN 1013158 09/28/18	2410	W		09/28/18	270	521130	OVERHEAD FEES
							10,772.50





WARRANT: 0918-2

TO FISCAL 2018/10 01/01/2018 TO 12/31/2018

VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
-----										
VENDOR TOTALS										
		2,972.11	YTD INVOICED		2,972.11	YTD PAID				82.26
738	SUBURBAN LABORATORIES, INC.									
19457	09/06/18				957683	P	09/28/18	270	520806	PROFESSIONAL SERVICES-LAB
	INVOICE: 158639									370.50
19458	09/06/18				957683	P	09/28/18	270	520806	PROFESSIONAL SERVICES-LAB
	INVOICE: 158640									370.50
VENDOR TOTALS										
		23,540.30	YTD INVOICED		23,540.30	YTD PAID				741.00
271	TERRACE SUPPLY COMPANY									
19432	09/20/18				957684	P	09/28/18	270	520975	MAINTENANCE-EQUIPMENT
	INVOICE: 70417738									16.40
VENDOR TOTALS										
		989.73	YTD INVOICED		989.73	YTD PAID				16.40
1001	TROTTER AND ASSOCIATES, INC.									
19461	08/31/18			20180010	957685	P	09/28/18	40	580180	18003 FACILITY PLANNING 2018
	INVOICE: 14865									4,638.00
VENDOR TOTALS										
		48,428.00	YTD INVOICED		48,428.00	YTD PAID				4,638.00
1074	UNISON SOLUTIONS, INC.									
19462	08/14/18			20180015	957686	P	09/28/18	40	580150	PLANT EQUIPMENT REHABILIT
	INVOICE: 2018-6442									24,675.75
VENDOR TOTALS										
		24,675.75	YTD INVOICED		24,675.75	YTD PAID				24,675.75
309	WILKENS-ANDERSON CO.									
19463	07/05/18				957687	P	09/28/18	270	530106	OPERATING SUPPLIES - LAB
	INVOICE: S1178355.001									139.78
VENDOR TOTALS										
		640.31	YTD INVOICED		640.31	YTD PAID				139.78
REPORT TOTALS										284,075.94

COUNT	AMOUNT
-----	
TOTAL PRINTED CHECKS	28
TOTAL WIRE TRANSFERS	5
	265,367.56
	18,708.38

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WARRANT: 1018-1

TO FISCAL 2018/10 01/01/2018 TO 12/31/2018

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
2 AAREN PEST CONTROL, INC. 19472 10/08/18 INVOICE: 29507 19472 10/08/18 INVOICE: 29507				957690	P	10/18/18	270	520971	BUILDING & GROUNDS CONTRA
				957690	P	10/18/18	270-1	520970	MAINTENANCE-BUILDING & GR
VENDOR TOTALS			500.00	YTD INVOICED				500.00	YTD PAID
881 AIRGAS, INC. 19473 10/06/18 INVOICE: 9080891157 19474 10/06/18 INVOICE: 9956381309 19475 09/29/18 INVOICE: 9500487306 19537 10/13/18 INVOICE: 9500492079				957691	P	10/18/18	270	530443	LIQUID OXYGEN
				957691	P	10/18/18	270	520980	MAINTENANCE-ELECTRONICS
				957691	P	10/18/18	270	530443	LIQUID OXYGEN
				957691	P	10/18/18	270	530443	LIQUID OXYGEN
VENDOR TOTALS			295,764.69	YTD INVOICED				295,764.69	YTD PAID
9 ALEXANDER CHEMICAL CORPORATION 19533 10/12/18 INVOICE: 10075336				957692	P	10/18/18	270-1	530440	CHEMICALS
VENDOR TOTALS			16,641.63	YTD INVOICED				16,641.63	YTD PAID
1117 ANCO STEEL COMPANY INC 19476 10/10/18 INVOICE: 271425				957693	P	10/18/18	40	580120	SMALL CAPITAL PROJECTS
VENDOR TOTALS			820.87	YTD INVOICED				820.87	YTD PAID
1260 APPLIED INDUSTRIAL TECHNOLOGIES INC 19477 09/24/18 INVOICE: 7014440213				957694	P	10/18/18	270	520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS			1,540.69	YTD INVOICED				1,540.69	YTD PAID
958 BAXTER & WOODMAN, INC. 19536 10/12/18 INVOICE: 19536				957695	P	10/18/18	270	520620	EMPLOYEE EDUCATION
VENDOR TOTALS			107.50	YTD INVOICED				107.50	YTD PAID
1124 BLACK & VEATCH CORPORATION 19478 09/17/18 INVOICE: 1279258			20160007	2415	W	10/16/18	40	580180	14007 FACILITY IMPROVEMENT PROJ
VENDOR TOTALS			108,428.79	YTD INVOICED				108,428.79	YTD PAID

33 CALCO, LTD.

10,366.90

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
19479 INVOICE: AU44109	10/03/18			957696	P	10/18/18	270 530440	CHEMICALS	139.00
VENDOR TOTALS			1,021.00	YTD INVOICED				1,021.00	YTD PAID 139.00
819 UNITED COMMUNICATIONS 19538 INVOICE: 19538	10/15/18			957697	P	10/18/18	270 521195	TELECOMMUNICATIONS	1,188.33
VENDOR TOTALS			11,207.07	YTD INVOICED				11,207.07	YTD PAID 1,188.33
1092 CCT ENVIRONMENTAL, INC. 19556 INVOICE: CCT100218	10/10/18			957698	P	10/18/18	40 580140	INFRASTRUCTURE UPGRADES	8,382.00
VENDOR TOTALS			11,908.00	YTD INVOICED				11,908.00	YTD PAID 8,382.00
1218 COLLEY ELEVATOR CO. 19480 INVOICE: 176820	10/01/18			957699	P	10/18/18	270 520971	BUILDING & GROUNDS CONTRA	191.00
VENDOR TOTALS			2,327.00	YTD INVOICED				2,327.00	YTD PAID 191.00
490 COMCAST CABLE COMMUNICATIONS, LLC 19481 INVOICE: 19481	09/25/18			957700	P	10/18/18	270 521195	TELECOMMUNICATIONS	202.59
VENDOR TOTALS			2,025.90	YTD INVOICED				2,025.90	YTD PAID 202.59
1138 CONSTELLATION ENERGY SERVICES INC 19482 INVOICE: 2427706	10/04/18			957701	P	10/18/18	270 521202	NATURAL GAS	670.79
19482 INVOICE: 2427706	10/04/18			957701	P	10/18/18	270-1 521202	NATURAL GAS	122.44
19482 INVOICE: 2427706	10/04/18			957701	P	10/18/18	270 521204	SELF-GEN GAS	560.28
VENDOR TOTALS			48,016.08	YTD INVOICED				48,016.08	YTD PAID 1,353.51
994 DIRECT ENERGY MARKETING, INC. 19483 INVOICE: 182740036105492	10/01/18			957702	P	10/18/18	270 521201	ELECTRIC POWER	43,052.28
19483 INVOICE: 182740036105492	10/01/18			957702	P	10/18/18	270-1 521201	ELECTRIC POWER	3,087.83
19483 INVOICE: 182740036105492	10/01/18			957702	P	10/18/18	270-2 521201	ELECTRIC POWER	978.89
19483 INVOICE: 182740036105492	10/01/18			957702	P	10/18/18	270-3 521201	ELECTRIC POWER	581.43
VENDOR TOTALS			324,627.98	YTD INVOICED				324,627.98	YTD PAID 47,700.43



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VENDOR NAME DOCUMENT	INV DATE VOUCHER PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
-----							
VENDOR TOTALS	3,510.27	YTD INVOICED			3,510.27	YTD PAID	514.80
119 HACH COMPANY	09/24/18						
19491		957710	P	10/18/18	270	520980	121.15
INVOICE: 11148718							
VENDOR TOTALS	11,695.50	YTD INVOICED			11,695.50	YTD PAID	121.15
985 HOLSTEINS GARAGE							
19498	09/30/18	957711	P	10/18/18	270	520976	35.00
INVOICE: 572							
VENDOR TOTALS	402.00	YTD INVOICED			402.00	YTD PAID	35.00
124 HOME DEPOT USA, INC							
19552	10/10/18	957712	P	10/18/18	270	520975	31.80
INVOICE: 5590977							
19553	09/26/18	957712	P	10/18/18	270	520980	25.91
INVOICE: 9082552							
19554	09/13/18	957712	P	10/18/18	270	520975	218.82
INVOICE: 2063480							
19555	09/13/18	957712	P	10/18/18	270	520975	149.00
INVOICE: 2063481							
VENDOR TOTALS	5,139.21	YTD INVOICED			5,139.21	YTD PAID	425.53
538 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY							
19471	10/09/18	957689	P	10/09/18	270	520775	250.00
INVOICE: 100918							
VENDOR TOTALS	637,251.28	YTD INVOICED			637,251.28	YTD PAID	250.00
1147 ILLINOIS AMERICAN WATER COMPANY							
19492	09/26/18	957713	P	10/18/18	270-3	521203	125.98
INVOICE: 19492							
VENDOR TOTALS	1,249.19	YTD INVOICED			1,249.19	YTD PAID	125.98
126 ILLINOIS ASSN. OF WASTEWATER AGENCIES							
19493	10/04/18	957714	P	10/18/18	270	520600	4,685.00
INVOICE: 4477							
VENDOR TOTALS	4,835.00	YTD INVOICED			4,835.00	YTD PAID	4,685.00
1278 TYCO FIRE & SECURITY (US) MANAGEMENT, INC.							
19539	10/06/18	957715	P	10/18/18	270	520981	130.44
INVOICE: 31319364							
19540	10/06/18	957715	P	10/18/18	270	520981	138.00
INVOICE: 313119366							

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
-----									
VENDOR TOTALS			536.88	YTD INVOICED			536.88	YTD PAID	268.44
185 KONICA MINOLTA BUSINESS SOLUTIONS INC									
19494	09/25/18			957716	P	10/18/18	270	OFFICE EXPENSES	131.21
INVOICE: 9004987649									
VENDOR TOTALS			677.53	YTD INVOICED			677.53	YTD PAID	131.21
1264 LAWSON PRODUCTS INC									
19495	09/28/18			957717	P	10/18/18	270	MAINTENANCE-EQUIPMENT	59.50
INVOICE: 9306159722									
VENDOR TOTALS			2,272.56	YTD INVOICED			2,272.56	YTD PAID	59.50
1189 LEAHY-WOLF COMPANY									
19496	09/26/18			957718	P	10/18/18	270	MAINTENANCE-EQUIPMENT	895.00
INVOICE: 375024									
VENDOR TOTALS			2,685.00	YTD INVOICED			2,685.00	YTD PAID	895.00
157 LEN'S ACE HARDWARE, INC.									
19499	08/07/18			957719	P	10/18/18	270	OPERATIONS - SUPPLIES	21.57
INVOICE: 85968									
VENDOR TOTALS			532.20	YTD INVOICED			532.20	YTD PAID	21.57
295 VILLAGE OF LOMBARD									
19548	10/08/18			957720	P	10/18/18	270-1	WATER	492.56
INVOICE: 19548									
VENDOR TOTALS			29,499.80	YTD INVOICED			29,499.80	YTD PAID	492.56
171 MCMASTER-CARR SUPPLY CO.									
19500	09/28/18			957721	P	10/18/18	270	MAINTENANCE-EQUIPMENT	98.19
INVOICE: 74840839									
19501	10/04/18			957721	P	10/18/18	270	MAINTENANCE-EQUIPMENT	388.94
INVOICE: 75400437									
19560	09/19/18			957721	P	10/18/18	270	MAINTENANCE-ELECTRONICS	555.40
INVOICE: 73944206									
VENDOR TOTALS			6,658.57	YTD INVOICED			6,658.57	YTD PAID	1,042.53
1223 CAPITAL ONE NATIONAL ASSN									
19541	10/04/18			957722	P	10/18/18	270	MAINTENANCE-EQUIPMENT	77.43
INVOICE: 317527718607501									
VENDOR TOTALS			866.35	YTD INVOICED			866.35	YTD PAID	77.43
1211 GMC METALS, INC.									
19504	10/11/18			957723	P	10/18/18	270	MAINTENANCE-EQUIPMENT	135.95

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VENDOR NAME DOCUMENT	INV DATE VOUCHER PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
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INVOICE: 1007473							
VENDOR TOTALS	202.68	YTD	INVOICED	202.68	YTD	PAID	135.95
1142 GENUINE PARTS CO-NAPA 19559 10/10/18 INVOICE: 0701-481872	957724	P	10/18/18	270	520975	MAINTENANCE-EQUIPMENT	124.98
VENDOR TOTALS	148.72	YTD	INVOICED	148.72	YTD	PAID	124.98
194 NAPCO STEEL, INC. 19502 10/02/18 INVOICE: 422358	957725	P	10/18/18	40	580120	SMALL CAPITAL PROJECTS	1,615.00
VENDOR TOTALS	1,615.00	YTD	INVOICED	1,615.00	YTD	PAID	1,615.00
201 NEWARK CORPORATION 19506 09/28/18 INVOICE: 30821862	957726	P	10/18/18	270	520980	MAINTENANCE-ELECTRONICS	327.55
VENDOR TOTALS	327.55	YTD	INVOICED	327.55	YTD	PAID	327.55
209 NCL OF WISCONSIN INC 19508 09/26/18 INVOICE: 412988	957727	P	10/18/18	270	530106	OPERATING SUPPLIES - LAB	852.17
VENDOR TOTALS	5,435.69	YTD	INVOICED	5,435.69	YTD	PAID	852.17
211 OMI INDUSTRIES 19507 09/14/18 INVOICE: 496280	957728	P	10/18/18	270	530440	CHEMICALS	2,117.27
VENDOR TOTALS	6,341.52	YTD	INVOICED	6,341.52	YTD	PAID	2,117.27
876 PITNEY BOWES, INC 19509 09/30/18 INVOICE: 3102510315	957729	P	10/18/18	270	530100	OFFICE EXPENSES	204.00
VENDOR TOTALS	816.00	YTD	INVOICED	816.00	YTD	PAID	204.00
226 PORTER PIPE AND SUPPLY CO 19542 10/12/18 INVOICE: 11810558-00	957730	P	10/18/18	270	520975	MAINTENANCE-EQUIPMENT	58.26
VENDOR TOTALS	11,174.75	YTD	INVOICED	11,174.75	YTD	PAID	58.26
1226 RC CLEANING COMPANY 19510 10/05/18 INVOICE: 19510	957731	P	10/18/18	270	520971	BUILDING & GROUNDS CONTRA	1,020.00

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VENDOR NAME DOCUMENT	INV DATE VOUCHER PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
-----							
VENDOR TOTALS	10,600.00	YTD INVOICED			10,600.00	YTD PAID	1,020.00
412 NESTLE WATERS NORTH AMERICA 19543 10/06/18 INVOICE: 18J8100616302		957732	P	10/18/18	270	OFFICE EXPENSES	95.86
VENDOR TOTALS	929.53	YTD INVOICED			929.53	YTD PAID	95.86
1070 REVERE ELECTRIC SUPPLY 19544 10/02/18 INVOICE: S3679859.001		957733	P	10/18/18	270-1	MAINTENANCE-ELECTRONICS	115.60
VENDOR TOTALS	182.18	YTD INVOICED			182.18	YTD PAID	115.60
1212 RJN GROUP, INC 19511 10/08/18 INVOICE: 305021		957734	P	10/18/18	270	ELECTRONICS CONTRACTUAL	10,149.00
VENDOR TOTALS	128,490.00	YTD INVOICED			128,490.00	YTD PAID	10,149.00
939 STAPLES CONTRACT & COMMERCIAL INC. 19546 10/10/18 INVOICE: 3393237461		957735	P	10/18/18	270	OFFICE EXPENSES	116.12
VENDOR TOTALS	2,972.11	YTD INVOICED			2,972.11	YTD PAID	116.12
464 STRAND ASSOCIATES, INC. 19512 09/14/18 INVOICE: 141634		957736	P	10/18/18	40	ELECTRIC SVC DISTRIB SYS	2,271.89
19513 09/14/18 INVOICE: 141635		957736	P	10/18/18	40	PLANT EQUIPMENT REHABILIT	8,152.12
VENDOR TOTALS	63,840.96	YTD INVOICED			63,840.96	YTD PAID	10,424.01
738 SUBURBAN LABORATORIES, INC. 19514 09/25/18 INVOICE: 158987		957737	P	10/18/18	270	PROFESSIONAL SERVICES-LAB	370.50
19515 09/25/18 INVOICE: 158989		957737	P	10/18/18	270	PROFESSIONAL SERVICES-LAB	370.50
19516 09/26/18 INVOICE: 159026		957737	P	10/18/18	270	PROFESSIONAL SERVICES-LAB	350.00
19517 10/05/18 INVOICE: 159558		957737	P	10/18/18	270	PROFESSIONAL SERVICES-LAB	604.00
19520 09/27/18 INVOICE: 159083		957737	P	10/18/18	270	PROFESSIONAL SERVICES-LAB	160.00
VENDOR TOTALS	23,540.30	YTD INVOICED			23,540.30	YTD PAID	1,855.00
1271 SYNAGRO-WWT 19518 09/30/18		957738	P	10/18/18	270	SLUDGE DISPOSAL - LAND	11,704.00

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VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
-----										
INVOICE: 20-133213										
VENDOR TOTALS 51,148.00 YTD INVOICED 51,148.00 YTD PAID 11,704.00										
1282	TALLGRASS RESTORATION, LLC									
19521	10/01/18				957739	P	10/18/18	270-1	520970	MAINTENANCE-BUILDING & GR
INVOICE: 2021028										
VENDOR TOTALS 1,080.00 YTD INVOICED 1,080.00 YTD PAID 540.00										
271	TERRACE SUPPLY COMPANY									
19528	09/30/18				957740	P	10/18/18	270	520976	MAINTENANCE-CONTRACTUAL
INVOICE: 992487										
VENDOR TOTALS 989.73 YTD INVOICED 989.73 YTD PAID 49.80										
1001	TROTTER AND ASSOCIATES, INC.									
19530	09/30/18			20180010	957741	P	10/18/18	40	580180	18003 FACILITY PLANNING 2018
INVOICE: 14944										
VENDOR TOTALS 48,428.00 YTD INVOICED 48,428.00 YTD PAID 5,456.50										
1240	TWIN OAKS LANDSCAPING, INC									
19547	09/30/18			20180001	957742	P	10/18/18	270	520971	BUILDING & GROUNDS CONTRA
INVOICE: MN880801-0006										
19547	09/30/18			20180001	957742	P	10/18/18	270-1	520970	MAINTENANCE-BUILDING & GR
INVOICE: MN880801-0006										
VENDOR TOTALS 20,910.00 YTD INVOICED 20,910.00 YTD PAID 3,485.00										
988	VERIZON WIRELESS SERVICES LLC									
19531	09/18/18				957743	P	10/18/18	270	521195	TELECOMMUNICATIONS
INVOICE: 9814874038										
19532	10/01/18				957743	P	10/18/18	270	521195	TELECOMMUNICATIONS
INVOICE: 9815692246										
VENDOR TOTALS 6,466.74 YTD INVOICED 6,466.74 YTD PAID 668.84										
491	VWR INTERNATIONAL, INC.									
19558	09/25/18				957744	P	10/18/18	270	530106	OPERATING SUPPLIES - LAB
INVOICE: 8083814514										
VENDOR TOTALS 292.22 YTD INVOICED 292.22 YTD PAID 292.22										
REPORT TOTALS										157,206.33

	COUNT	AMOUNT
TOTAL PRINTED CHECKS	56	146,839.43
TOTAL WIRE TRANSFERS	1	10,366.90



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VENDOR NAME

DOCUMENT

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

## **SECTION 5.3**

# **PURCHASE APPROVAL – NEW TELEPHONE SYSTEM**

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## MEMORANDUM

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**TO:** Matt Streicher – Executive Director  
**FROM:** Rick Freeman – Electrical Superintendent  
**DATE:** October 17, 2018  
**RE:** Telephone System Replacement

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The Glenbard Wastewater Authority currently employs a premise-based Toshiba telephone system (*see attached Toshiba CTX70*), installed in Q3 of 2005, by Midco Inc. out of the Burr Ridge, IL office. This system consists of a "Strata CTX670-IES32-SM" Telephone PBX, Strategy iES32 8-Port Voice Mail Server w/Auto Attendant & Call Forward to mobile cellular phones, 20 Digital Stations (Administration Bldg.), 31 Analog Stations (Plant Bldgs.), Public Address System (Plant Bldgs.), 4 Wireless Stations, 2-Circuit CAMA Trunk E-911 Interface, and Caller ID.

The Toshiba system (installed for a cost of ~ \$34,280) has performed admirably, as has Midco, Inc. over the past thirteen years, but unfortunately, the Toshiba Telephone System has become an obsolete product that is no longer supported (*see attached Toshiba notification*). Furthermore, Toshiba has withdrawn altogether from the tele-communication industry.

Although we would be planning to replace our current system in the near future due to its age, this recent development has expedited our efforts, as the system as a whole is no longer supported, thus making it increasingly difficult to obtain replacement components or support of any kind.

Since this development, staff has reached out to Midco Inc which reps the MiTel product and CMS Solutions which reps the ShoreTel product (recently purchased by MiTel), to provide quotes for our telephone system replacement. These two are the major players in telephony market today, aside from Cisco, which is much higher in cost, thus not seriously considered.

The options investigated from MiTel & ShoreTel were (*see attached spreadsheet*):

### **Premise Base Direct Purchase**

Customer owned system that resides at the customer location. Typically, this is the lowest cost long term option, which utilizes Ethernet communication internally and a PRI circuit to communicate externally. Furthermore, control and support are localized. In the event of a PRI circuit local communications is still available.

**Premise Based Leased**

Similar in to Premise Based Direct Purchase system w/the exception that the system is leased/rented as the name implies and typically carries higher long-term costs as compared to the same life expectancy of a Direct Purchase

**Hosted**

Vendor owned, operated, and maintained system. Support is typically provided via call-center and relies very heavily on Internet Service Provider "Quality of Service" and stability. In the event of an ISP outage all communications are disrupted...internal and external. This option also typically carries higher long-term costs as compared to the same life expectancy of a Direct Purchase Premise Based System.

**Summary**

After reviewing proposals, viewing vendor demonstrations, and evaluating the needs of the Authority, we are recommending moving forward with the Premise Based Direct Purchase System supplied by Midco, Inc, after taking into consideration their proposal cost, exemplary system specifications, and past performance. We believe this system provides the best fit to our needs and lowest responsible cost over the usable life expectancy of the system (minimum ten years).

Staff also reached out to Mark Binkerd, VGE IT Administrator, to investigate their newly replaced telephone system by ShoreTel, which was included in the VGE Police Department Facility bid, and is subsequently being phased in to the Civic Center and other VGE buildings. We hesitate to recommend this option for the Authority, as MiTel recently purchased ShoreTel for their cloud-based product, and moving forward plans to phase out the ShoreTel premise-based product line in favor of the MiTel product. In addition, MiTel does offer some key direct handset integration that we have plans to utilize that ShoreTel does not.

Midco reps the Mitel Business Systems product which presently holds the Sourcwell Contract #040314-MBS Maturity Date 05/20/2019 (formerly National Joint Powers Alliance "NJPA") for Telecom Phone System, Mass Notification & Cellular Services. Sourcwell is a member organization that helps government, education, and nonprofit agencies operate more efficiently by saving members time and money with contract purchasing solutions that are solicited nationally <https://www.sourcwell-mn.gov/>, by combining the buying power of more than 50,000 government and non-profit organizations. Sourcwell holds hundreds of [competitively solicited cooperative contracts](#) ready to use.

The proposed system eliminates 31 analog stations located in plant buildings and its ageing/failed underground infrastructure, in lieu of UHF Two-Way radios, which were purchased in 2014, issued to all plant staff, and widely used since that time. Plant P.A. System hardware and infrastructure (two-way radio use once again) was also retired upon two-way radio use. Transitioning to a VOIP Premise Based system also affords GWA the ability to reduce the number of analog "Plain Old Telephone Lines" (POTS) and the number of E-911 locations to further reduce costs.

Funding for this work (\$40,000), was budgeted in CY-18 Capital Budget, specifically **Infrastructure Improvements "Telephone System Replacement" account # 40-580140.**

I hereby request approval to proceed with this budgeted infrastructure improvement and enter into agreement with Midco, Inc of Burr Ridge, IL to provide equipment and perform services as detailed in the attached proposal in the amount of **\$22,223.52.**

Vendor	Term (Months)	Cost	Total	Notes
<b>MITel</b> Premise Based Direct Purchase System	N/A	\$22,223.52	\$22,223.52	Uses MITel 6900 Series Phones
<b>MITel</b> Premise Based Leased System	36	\$797.51	\$28,710.36	Uses MITel 6900 Series Phones
	48	\$625.07	\$30,003.36	
	60	\$523.03	\$31,381.80	
<b>MITel</b> Cloud Based/Hosted System needs update pricing	36	\$717.96	\$25,846.56	Uses MITel 6900 Series Phones  add \$ high quality ISP
One Time Charges		\$1,050.00	\$1,050.00	
<b>Shortel</b> Premise Based Direct Purchase System	N/A	\$19,360.04	\$19,360.04	Uses ShoreTel older IP 420, 480, 485 phones, support < 5yrs, phone type & functionality not equivalent
<b>Shortel</b> Premise Based Leased System	36	\$615.50	\$22,158.00	Uses ShoreTel older IP 420, 480, 485 phones, support < 5yrs
	60	\$433.24	\$25,994.40	Uses ShoreTel older IP 420, 480, 485 phones, support < 5yrs
<b>Shortel</b> Cloud Based/Hosted System One Time Charges	36	\$772.97	\$27,826.92	Uses MITel 6900 Series Phones  add \$ high quality ISP
		\$0.00	\$0.00	

# TOSHIBA



**STRATA**

**CTX670**

**Unify. Simplify. Communicate.**





## MidCo Inc.

### Mitel Product Phase-Out Migration Announcement

#### Migrate to a Native Mitel Solution!

##### In This Issue

MidCo Inc.

Mitel Announcement

Toshiba Product  
Phase-Out Migration

##### Quick Links



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#### Mitel Announces Toshiba Product Migration Path OVERVIEW

Following the acquisition of certain Toshiba assets in 2017, and the subsequent acquisition of ShoreTel, Mitel has seen a significant number of heritage Toshiba channels transitioning to other Mitel product lines (MiCloud Connect or for on-site, MiVoice Business, MiVoice Office 250 or MiVoice Connect) and as a result, Mitel has seen a decrease in sales of the legacy Toshiba portfolio.

This transition, coupled with a continued shift to cloud based services within the SMB segment has resulted in a decision to announce the lifecycle plans for the heritage Toshiba portfolio. While this email will serve to highlight several key points, the full announcement outlines key dates associated with lifecycle plans for parts, licenses, and services and provides sufficient notice to manage such transitions, and can be read by clicking the following icon:

[CLICK HERE](#)

#### AFFECTED PRODUCTS

**All Toshiba product lines\***, including all system models, cards, phones, software, and applications associated with will be phased out and moved to inventory only sales.

**\*Note:** VIPedge is a separate product line, and its services and phones continue to be available.

#### PRODUCT MIGRATION AND EXPANSION OPTIONS

There are a variety of options available for customers migrating from CIX and IPedge product lines to other Mitel product lines



depending on their specific needs.

## PROMOTION

In order to encourage Toshiba clients to migrate to Mitel products, Mitel will introduce the Pathway Program which provides eligible clients with the incentive to migrate to Mitel's cloud and onsite products in Q3 2018. Stay tuned for more information!

## CONTACT MIDCO

If interested in hearing more about Mitel migration solutions, please contact your MidCo Account Executive today or email [sales@midcosystems.com](mailto:sales@midcosystems.com) to request more information!



**Contact MidCo Today!**

## PHASE OUT PLAN

CIX and IPedge product lines will be phased out following the schedule shown in the table below.

Product	End of New System Sales	End of Add-On Sales	End of Technical Support (End of Life)
CIX	10/31/2018*	10/31/2019	10/31/2021
IPedge / App Server	10/31/2018*	10/31/2019	10/31/2021

\*: Availability of each part may depend on its inventory status.

**NOTE:** If specific customer commitments have been made in relation to technical support, SUS or extended warranty, Mitel will honor all commitments.

## END OF NEW SYSTEM SALES

After the date has passed, all the CIX CPUs and cabinets, IPedge turnkey systems, IPedge Software only option, and any bundle items that include such system parts will be no longer available from Mitel and orders will not be able to be placed.

Please note that some parts may need to be discontinued earlier when the inventory is depleted or cannot be supported.

SUS (Software Update and Support) services will be discontinued for any extended support for new systems.

However, the SUS renewal of existing systems will continue to be available to cover until the End of Technical Support.

## END OF ADD-ON SALES

Add-on hardware such as phones and cards will be available until the End of Add On Sales, and they are stock sales only. License parts for CIX, IPedge, and associated applications will be available until the End of Add On Sales date. No license generation including the license transfer may be available after the End of Add on License sales date. License generation history will not be available after this date.

## END OF TECHNICAL SUPPORT (END OF LIFE)

Technical support will be available until the End of Technical Support date. All the software and document repository may not be available after this date.

## We Invite You to Learn a Bit More About Us

Some may only know **MidCo** for our **telecommunications** work and some for just our **security** work. The truth is, MidCo does all of those things and much more.

It's MidCo's people, our relationships with our manufacturers, and our clients that have made MidCo Inc. a leading telecommunications and security systems integrator, ranking highly (29) in the Top 100 security system integrators as per Security Design Magazine (SDM), named past **Integrator of the Year Honoree (SDM)**, and one of the top 600 specialty contractors in the United States.

Utilizing our **58-plus years of experience**, MidCo offers its nationwide clientele one source for the successful deployment of integrated network, IP telephone and electronic security systems.

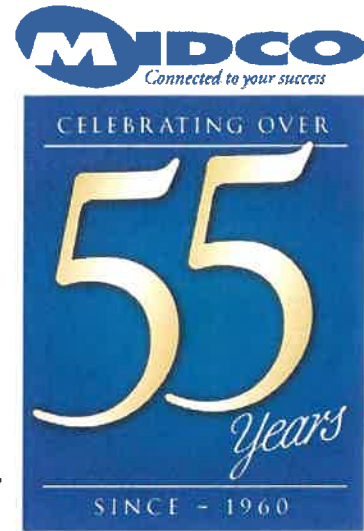


MidCo serves its national clients through its membership in **Security-Net**, an international network of independent security systems integrators.

One of MidCo Inc.'s founding principles was and continues to be, customer service.

## Give MidCo a Call - See How We Can Help!

We know you have options.



We will always work to be your best option.

We will earn your business by offering real differences backed by measurable results.

Check in with **MidCo** from time to time to see what's new in VoIP business phone systems, IP security cameras, access control, intercom and paging, wireless access points, mobile office phone technology, network video recording (NVRs), emergency mass notification, visitor management, and network switches!

**MidCo remains,  
*Connected to your Success!***

Please visit [www.midcosystems.com](http://www.midcosystems.com) for more information.



# **System Purchase Agreement For Glenbard Wastewater Authority**

**System Type:**

Mitel MiVoice Business  
Updated NJPA Pricing

**Prepared for:**

Rick Freeman  
Electrical Superintendent

**Prepared by:**

Sylvia Hasty

**Prepared On:**

Revision 1  
9/27/2018

**Statement of Work:**

Mitel Enterprise VOIP Solution



## Schedule of Equipment and Services

### Mitel MiVoice Business

<u>Qty</u>	<u>Part Number</u>	<u>Description</u>	<u>Unit Sell</u>	<u>Ext Sell</u>
<b>Mitel Hardware and Software</b>				
1	50006729	3300 CX II w/ 1GB RAM Controller	\$930.00	\$930.00
1	54005968	MiVBus Enterprise Software (no users)	\$926.90	\$926.90
1	50006266	3300 CX(i) 8G SATA SSD	\$150.00	\$150.00
1	54000303	MiVoice Business Digital (PRI) License	\$930.00	\$930.00
1	MiscHardware	Miscellaneous Hardware	\$100.53	\$100.53
1	50005160	T1/E1 Combo MMC II	\$620.00	\$620.00
1	50006271	Power Cord Pack (Qty 1)	\$15.50	\$15.50
8	54004762	MiCollab NP-UM Mailbox only (1 User)	\$24.80	\$198.40

### Endpoints

1	50006874	M695 Programmable Key Module	\$124.00	\$124.00
6	50006767	6920 IP Phone	\$182.90	\$1,097.40
9	50006769	6930 IP Phone	\$254.20	\$2,287.80
5	50006770	6940 IP Phone	\$341.00	\$1,705.00
2	51306580	S720 Bluetooth Speakerphone	\$201.50	\$403.00
5	51305332	DECT Headset - Integrated	\$201.50	\$1,007.50

### Mitel MiCollab

1	54005442	MAS 4.0 Virtual Appliance	\$616.90	\$616.90
10	54006539	UCC v4.0 Entry User x1	\$139.50	\$1,395.00
10	54006542	UCC v4.0 Standard User x1	\$201.50	\$2,015.00

### Mitel Software Support

1	54009186	SWA Std 1y MiCollab System	\$62.00	\$62.00
8	54009189	SWA Std 1y MiCollab UM Mailbox	\$2.17	\$17.36
10	54009208	SWA Std 1y UCC Entry MiVB	\$6.82	\$68.20
10	54009209	SWA Std 1y UCC Std MiVB	\$13.02	\$130.20
1	54009220	SWA Std 1y MiVBus System	\$77.50	\$77.50

**Equipment Sub-Total**

**\$14,878.19**

**Services Sub-Total**

**\$7,169.94**

**Mitel Solution Sub-Total**

**\$22,223.52**

**Pricing based on Mitel NJPA  
Contract #040314-MBS**

---

**Managed Service Option**

<u><b>Term</b></u>	<u><b>Payment</b></u>	<u><b>Purchase Option</b></u>
60 Month	\$523.03	\$1 Buy Out
48 Month	\$625.07	\$1 Buy Out
36 Month	\$797.51	\$1 Buy Out

***MidCo's Managed Service agreement is an all-inclusive support agreement that includes the following:***

1. Service related Parts and Labor
2. Remote programming changes (this excludes programming related to projects).
3. Remote user training.
4. Labor for annual Software upgrades, back up and environmental check.

**West Safety Services  
Hosted E911**

- Onetime setup fee: \$1,700
- Monthly recurring: \$250 (supports up to 200 records in database)



---

**TERMS AND CONDITIONS ON NEXT PAGE ARE PART OF THIS AGREEMENT**

This Purchaser acknowledges that he/she has read this Agreement, understands it and agrees to be bound by its terms and conditions. Further if the Purchaser agrees that it is the complete and exclusive statement of the Agreement between the parties which supersedes all proposals or prior Agreements, oral or written, and all other communications between the parties relating the subject matter of this Agreement. This Agreement shall be voidable at Seller's option, unless accepted and delivered on or before 15 days.

---

**MidCo Inc**

**Glenbard Wastewater Authority**

\_\_\_\_\_  
Authorized Representative

\_\_\_\_\_  
Authorized Representative

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

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

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date





**EQUIPMENT PURCHASE AGREEMENT  
TERMS AND CONDITIONS**

**Warranty:** Seller agrees to service without charge to Purchaser all goods installed by Seller for a period of One Year from date of installation or gainful use of the equipment by the Purchaser, whichever is first. Service shall include repair or replacement of defective goods and such adjustments as are required to keep system in satisfactory working condition, but does not include changes or additions or repairs or replacement of goods damaged through accident, misuse, abuse, acts of God or other reasons beyond the control of Seller.

ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED.

**INSTALLATION:** Seller shall install the equipment as listed and shall furnish all the necessary cable, wire, hardware, etc., including labor as specified to provide for a proper operating system. Purchaser will furnish all necessary commercial power as required, including two duplex outlets on a dedicated commercial power circuit. Purchaser shall also furnish electric conduits, raceways, etc., if required, by Purchaser and/or local electrical codes, and a controlled environmental area, continuous 24 hours per day, for the central equipment as required by the Equipment Manufacturer Specification enclosed.

Seller will perform the installation in a neat and workmanlike manner, in accordance with local electrical code requirements, excluding furnishing local electrical permits if necessary. Purchaser agrees to obtain consent from his landlord or the building owner to install the equipment and to assist the Seller in obtaining approvals and permits other than as specified.

Seller will not be responsible for damages to the premises, not resulting from Seller's negligence. All work will be done during Seller's regular working hours.

**SECURITY INTEREST:** To secure payment and performance of all Purchaser's obligations hereunder. Purchaser hereby grants to Seller a security interest in and to the goods covered by this contract and in and to any additions and accessions thereto provided, nevertheless, that the risk of any loss or damage to the goods shall pass to Purchaser upon shipment to Purchaser or upon delivery to Purchaser's premises, whichever is earlier. Until Seller has been paid in full, Purchaser shall not in any manner sell, transfer, lease, mortgage or encumber its interest in the goods covered by this contract nor part with possession thereof, without the Seller's prior written consent.

**SCHEDULES:** Seller does hereby agree to maintain proper schedules for installation of the equipment as specified herein and as required by Purchaser. Delay or failure of performance on the part of Seller shall be excused if its normal operations are effected or prevented by any strike, lockout, act of God, act of the government, civil or military authorities, material shortage, delay of public carriers, fire, theft, accident, or any cause beyond its reasonable control. Seller assumes no responsibility for damage on account thereof.

**TAXES:** Prices quoted, unless otherwise specified, do not include sales, use, excise, or similar taxes applicable to the sale, delivery, or use of the goods covered by this contract. The amount of any such applicable tax will be paid to Seller, as specified by Purchaser or in lieu thereof Purchaser will provide Seller with a tax exemption certificate acceptable to the taxing authorities.

**BILLING:** Goods covered by this contract will be billed when installed or as otherwise specified. Labor and material for installation will be billed at the then current labor rate upon completion of installation or upon the last day of each month in which installation is performed, at Seller's option. Purchaser agrees to pay Seller 50% with order, 40% upon delivery of equipment, and 10% Net 30 days. Past due accounts will be charged interest of 1-1/2% per month. Prices and terms subject to change without notice. No returns will be allowed without written consent of the Seller.

**DISCLAIMER AND LIMITATION OF LIABILITY:**

IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER IN CONTRACT, TORT, OR OTHERWISE.

Seller will furnish Certificate of Insurance to include "Workmen's Compensation," general liability (bodily injury and property damage) to apply to all claims caused by MidCo Inc.'s negligence. Purchaser's request for additional insured liability will be furnished by MidCo Inc. and paid for by the purchaser.

All the provisions of this agreement shall be considered as separate terms and conditions and in the event any one shall be held illegal, invalid or unenforceable, all the other provisions hereof shall remain in full force and effect as if the illegal, invalid or unenforceable provisions were not a part hereof.

This contract shall be governed by Illinois law. The entire understanding between the parties is contained in this non-cancelable contract and no other agreement, representation, or understanding has been made, entered into, or will be recognized. This contract is not subject to modification except by an instrument in writing executed by a duly authorized officer of Seller and the Purchaser.

\_\_\_\_\_  
MidCo Inc. – Seller

\_\_\_\_\_  
Purchaser – Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



◀ IP Phones &  
Peripherals

**6900 SERIES  
PERIPHERALS AND  
ACCESSORIES ▼**

## 6900 SERIES PERIPHERALS AND ACCESSORIES

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Experience unparalleled flexibility through a broad array of add-on user installable accessories that enable the 6900 phone family to be tailored to specific user needs to meet the demanding needs of today's users.

## 6900 SERIES PERIPHERALS AND ACCESSORIES

---

Experience unparalleled flexibility through a broad array of add-on user installable accessories that enable the 6900 phone family to be tailored to specific user needs to meet the demanding needs of today's users.

## KEY BENEFITS

## **CORDLESS VOICE OPTIMIZED HANDSET**

The cordless voice optimized handset allows users to enjoy clearly discernable conversations in a variety of environments without being physically tied to their desk phone.

## **EXPANSION MODULES**

The Mitel M695 can easily add 28 buttons to the existing personal keys on a 6920, 6930 or 6940, enabling the 6900 Series IP phones to become robust productivity enhancing desktop communication tools for users who need to monitor a large number of lines or Busy Lamp Fields.

## **INTEGRATED DECT HEADSET**

The Integrated DECT Headset delivers a range of up to 300 feet (100 meters) of personal area mobility, helping users avoid missed calls while stepping away to the printer, copier or colleagues' offices.

## **MIVOICE S720 SPEAKERPHONE**

Adding the benefit of completely hands-free communication, the MiVoice S720 enables users to work on their computers, handle documents, or take notes during conference calls.

## **WLAN ADAPTER**

The WLAN Adapter delivers wireless 802.11 a/b/g/n dual band (2.4Ghz / 5Ghz) network connectivity to your 6900, 5300 or 6800 series phone.

## **INTEROPERABILITY**

One-touch access to Mitel MiCollab Conference sessions, where users simply enter the Conference ID (Access Code) to be automatically joined into the conference.

**INTERESTED IN PURCHASING THIS FOR YOUR BUSINESS?**

**CONTACT SALES ►**

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READY TO TALK TO SALES? CONTACT US.

[\(844\) 319-5912](tel:(844)319-5912) | [Email Us](#)

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### Cloud Support

800-722-1301

### Technical Support

800-722-1301

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## **SECTION 6.0**

# **CY2019 DRAFT BUDGET – APPROVAL RECOMMENDATION**

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## MEMORANDUM

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**TO:** Executive Oversight Committee  
**FROM:** Matt Streicher, P.E. BCEE, Executive Director  
**DATE:** October 25, 2018  
**RE:** CY2019 Budget

---



Enclosed following this memo is the summary of the significant changes from CY2018's budget that was presented to the EOC at the September 13, 2018 meeting, and below are the minimal changes made based on feedback and review since that meeting:

**Fund 270:**

- Increased budgeted salaries based on an anticipated 2.75% merit pool increase
- Updated Software Support (increase of \$300)

**Fund 40:**

- Updated roof replacements budget number for CY2019 and future years to have better accuracy based on more recent information
- Inserted \$250,000 for an odor control solution implementation in CY2020

**Fund 270 & Fund 40**

- Updated estimated CY2018 costs based on most recent data

Attached is the Executive Summary, as well as the pertinent sheets from the budget. The entire budget can be viewed at <http://www.gbww.org/about-us/budget/>, and will be available for viewing at the EOC and Full Board meetings.

It is requested to motion the EOC to authorize approval of the CY2019 budget to the Full Boards of Glen Ellyn and Lombard.



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## MEMORANDUM

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**TO:** Executive Oversight Committee  
**FROM:** Matt Streicher, P.E. BCEE, Executive Director  
**DATE:** September 13, 2018  
**RE:** Draft CY2019 Budget Highlights

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As a means to help convey the significant budgetary impacts for CY2019 I am providing you with an outline of revenue and expenses that have the largest impacts on the budget.

### **Capital Fund 40**

#### Revenues:

- \* Proceeds from Borrowing
  - o Funding for FIP extended out into CY2019 due to project complications.
  - o Removed proceeds for borrowing in CY2021 for the biosolids project, as it was determined the estimated project costs could be covered by capital funds, and no borrowing was necessary.
- \* Waste Receiving Tipping Fees – \$50k
  - o At \$0.05 per gallon delivered the Authority is being conservative with the annual figure budgeted, if we can get the volume we are shooting for. Increased revenue to \$75k for future years beyond 2020 anticipating that as we regain a reputation for being a reliable receiver more high strength waste will come in.
- \* Expected revenue from participation in the demand load response program with NRG over the next 6 years; CY2018 = \$36k, CY2019 = \$25k, CY2020 = \$26k, CY2021 = \$26k, CY2022 = \$27k, CY2023 = \$27k.

#### Expenses:

- \* All FIP overpayments and operating surpluses are no longer being subtracted out. Originally these anticipated overpayments, and the operating surpluses, were to be specifically dedicated to paying off the FIP loan quicker, however due to increased project costs, Finance Directors decided we no longer should deduct those overages from the capital fund.
- \* Removed Assistant Director/Engineer salary from Capital and moved it to O&M
- \* Infrastructure Improvements – \$112k (down 52.3% from CY2018)
  - o Plant fiber testing/repairs – \$30k

- Dewatering building air handling unit – \$50k
- HSW receiving station improvements – \$25k
- Roof replacement consulting – \$7k
- \* Plant Equipment Rehabilitation – \$310k (down 22.5% from CY2018)
  - Televiser remaining interceptors – \$100k
  - Screw pump rehab – \$45k
  - Concrete lining system at SRI pump station – \$65k
  - Siloxane & hydrogen sulfide media replacement – \$50k
  - Clarifier mechanism and bridge painting – \$40k
- \* Electrical Service Distribution System Construction/Construction Engineering – \$2.5M
  - Design engineering for rehabilitation of the underground electrical service throughout the Bemis Rd. facility is occurring in CY2018. The design from this study will be utilized for bidding and construction in CY2019
- \* Administration Building HVAC Rehabilitation Construction/Construction Engineering – \$1M
  - In CY2018 an evaluation and design for the HVAC system in the Administration Building is being performed. The design from this study will be utilized for bidding and construction in CY2019.
- \* Facility Improvements Project - \$3.5M
  - The FIP project is expected to reach final completion in November, 2019. It is anticipated around \$2.5M of the remaining \$3.5M will be funded by the IEPA Loan.
- \* Facility Improvements Project Construction Engineering - \$120k
  - Although the original construction engineering contract with Black & Veatch was to extend the entire duration of the project, due to delays and other complications, their budget is anticipated to be used up by the end of CY2018 and an amendment to their contract will be needed. This is a conservative number, as much construction engineering will be done in-house now with another Engineer on board, however the consultant will need to be utilized for specialty work and some contract documents.

## **Operations & Maintenance 270**

### Expenses:

- \* Salaries Regular – 10.9% increase over CY2019 (\$1.25M to \$1.386M)
  - Estimated 2.25% merit increases.
  - Salaries now include 100% of the Assistant Director/Engineer's salary, instead of 20% of O&M and the other 80% out of capital.
  - We expect to be fully staffed for the first time since September 2017 in CY2019.



- Adjusted part time and seasonal salaries to reflect actual historical usage, and how funds are allocated.
- \* Electrical Power – 8% decrease over CY2018 (\$435k to \$400k)
  - This line item will take a few years to stabilize with all the efforts being done to reduce energy and starting back up the High Strength Waste/CHP Program. We've also had some significant operational changes with the new disk filters, and upcoming new raw pumps, which will considerably affect electrical usage.
- \* Natural Gas – 33.3% increase over CY2018 (\$45k to \$60k)
  - The number budgeted for natural gas in the past appeared to be significantly lower than what was historically used, therefore this number was adjusted to reflect historical usage. With the CHP system still being relatively new, historical information is still be gathered in order to better estimate this number, and we continue to make efforts to reduce gas consumption.
- \* Water – 25% increase over CY2018 (\$20k to \$25k)
  - With the Cryo plant decommissioned we anticipated water reductions in CY2018 to be significant. Actual usages are anticipated to be about \$5k higher than the estimated \$20k. This number will continue to be refined as processes normalize and we gather more historical information. We continue to also find ways to reduce water consumption.
- \* Liquid Oxygen – 6.2% increase of CY2018 (\$325k to \$345k)
  - This is only the third year of using liquid oxygen and we are continuing to gather historical data in order to budget better. The annual costs are still within the target range predicted before switching to using liquid oxygen, and we continue to adjust operational tactics to attempt to reduce consumption
- \* Sludge Disposal Costs – 11.4% decrease over CY2018 (\$220k to \$195k)
  - The sludge contract was rebid in 2018 and we were able to obtain lower pricing. The budget number 2018 was also higher due to efforts to minimize odors.
- \* Chemicals – 38.5% increase over CY2018 (\$65k to \$90k)
  - Chemical delivery costs for the two major chemicals we use, sodium hypochlorite and sodium bisulfate, have increased significantly. We have also added a new sodium hypochlorite system at the main plant as part of the FIP project, which will increase our need for the chemical.

The budget has an overall increase of 1.0% or \$77,353 over the CY2018 budget. Most of the reason for this change is due to the capital construction projects to occur next calendar year, as well as the adjustment of the Assistant Director/Engineer's salary being moved completely into the O&M budget.





# Glenbard Wastewater Authority CY2019 Budget



October 25, 2018

President Keith Giagnario and  
Members of the Glenbard Wastewater Authority Board  
Lombard, Illinois 60148

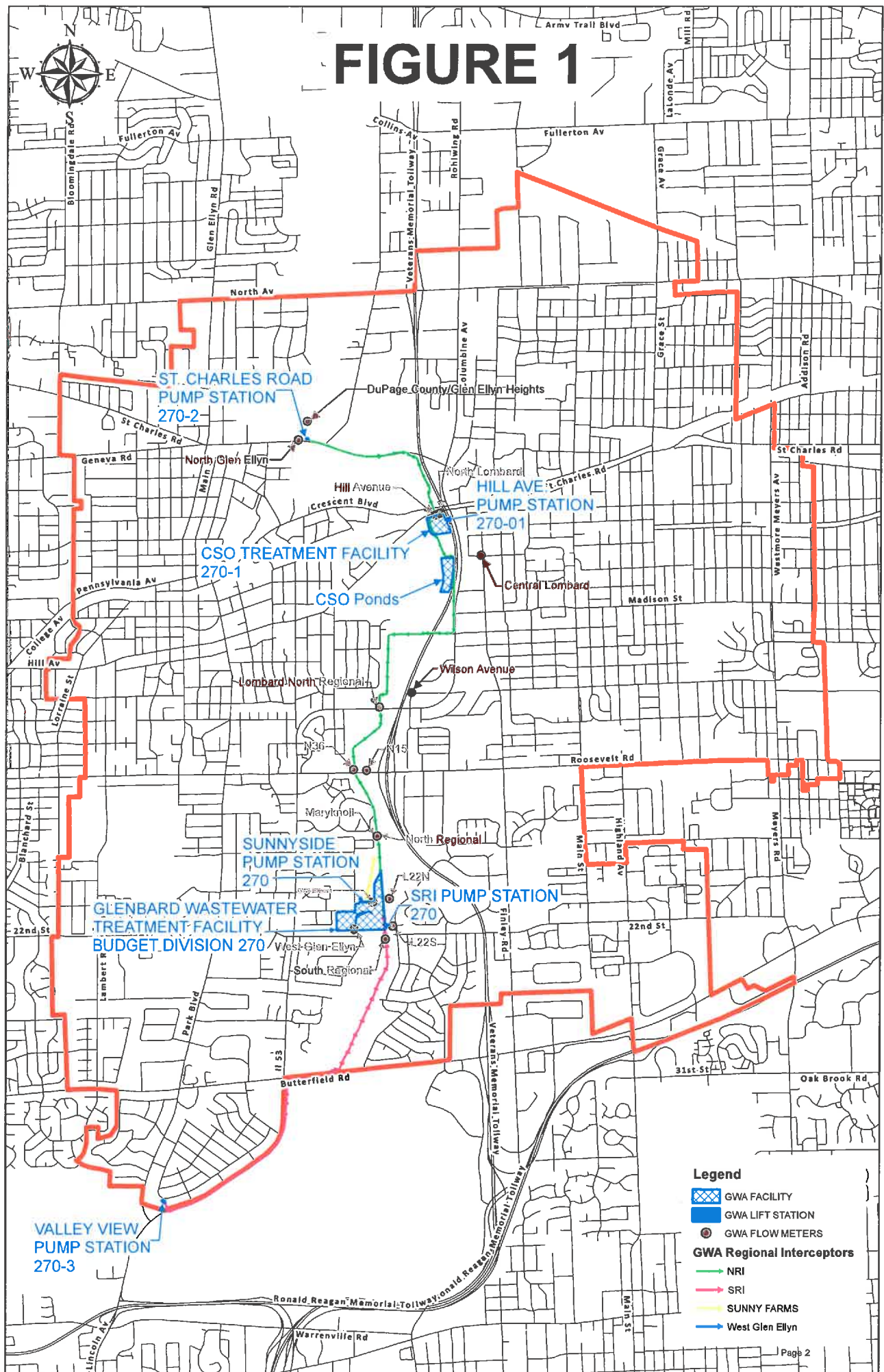
Subject: January 1, 2019 - December 31, 2019 Glenbard Wastewater Authority  
Budget (CY2019)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) CY2019 Budget. The Glenbard Team, with the help of the Village Managers, Public Works Directors, and Finance Directors developed the proposed budget that is being recommended for approval to the Glenbard Wastewater Authority Board. The proposed CY2019 partner allocation shows an overall increase of \$89,241 or 1.1% compared to the approved CY2018 budget. The budget reflects a substantial capital improvement plan with the continuation of the Facility Improvements Project construction. The most significant moderate-sized project is the design engineering for the new electrical distribution grid. Smaller projects include equipment rehabilitation and replacement, small capital projects, and minor infrastructure upgrades. The Facility Improvements Project construction expenses are scheduled to be offset with a loan through the IEPA Clean Water Initiative supported by Governor Rauner at a low interest rate of 1.75%. The proposed budget includes funding that will assure continued plant operation that exceeds regulatory standards resulting in improved water quality of the East Branch of the DuPage River.

## **BACKGROUND**

**REGIONALIZATION** -- The Illinois Pollution Control Board required regionalization of wastewater treatment facilities in 1974 by creating Facility Planning Areas (FPA). The Glenbard FPA, Region IV-B, originally contained 14,000 acres or 22 square miles and has been amended several times by Glen Ellyn and Lombard and now appears to contain approximately 14,157 acres or 22 ¼ square miles. Recommendations for FPA amendments are made to the Villages by the EOC and are usually done to add small adjacent areas. On occasion small adjacent areas are lost to other FPA's. As of October 2018, the Glenbard FPA contains a population equivalent (P.E.) of 107,708 which is an increase of 1,056 (P.E.) from October, 2017. The FPA is projected to contain a P.E. of 109,125 when fully developed. Figure 1 shows the FPA map with the individual components of the Authority.

# FIGURE 1



FACILITIES -- The Glenbard Wastewater Authority was created in 1977 by an intergovernmental agreement between the Village of Lombard and the Village of Glen Ellyn for the purpose of jointly constructing and operating advanced wastewater treatment facilities. The new facilities opened in 1982 and operate 24 hours per day 365 days per year.

The major components of the Authority, as depicted in Figure 1, are the 16.02 MGD (Million Gallons per Day) Glenbard Advanced Wastewater Treatment Facilities, the SRI Lift Station, the Sunnyside Lift Station, the 58.0 MGD Stormwater Plant, the Hill Avenue Lift Station, the North Regional Interceptor (NRI), the St. Charles Road Lift Station, the South Regional Interceptor (SRI), and the Valley View Lift Station.

The Glenbard Advanced Wastewater Treatment Facility is designed to provide Wastewater Treatment to an average flow of 16.02 MGD of domestic wastewater utilizing activated sludge with High Pure Oxygen. The plant utilizes a Supervisory Control and Data Acquisition (SCADA) system which enables the plant to run unmanned during off hours.

The Glenbard Wastewater Authority Stormwater Plant is an excess flow treatment plant that accepts combined sanitary and storm sewer from the Village of Lombard.

In addition to receiving flow from Glen Ellyn and Lombard the Authority also treats flow from the Illinois-American Water Company, a private utility company in the Valley View/Butterfield area, and from DuPage County, in the Glen Ellyn Heights area.

COST -- The grant eligible planning, design and construction costs of the new facilities totaled \$42.6 million dollars in 1982. The individual components and costs are the Glenbard Advanced Treatment Facility at \$27.2 million dollars, the Glenbard Wastewater Authority Stormwater Plant at \$5.6 million dollars, the North Regional Interceptor (NRI) at \$7.2 million dollars, and the South Regional Interceptor (SRI) at \$2.6 million dollars. The design grant was applied for in 1974, and the construction grant was awarded in 1977. The United States Environmental Protection Agency (USEPA) contributed \$32.0 million dollars toward construction. Lombard and Glen Ellyn contributed \$10.6 million. Glen Ellyn, as lead agency, was the recipient of the USEPA funds and administered the federal grant application, processing, and close out. The USEPA grant was closed-out in January of 1990.

REGULATION -- The Glenbard Wastewater Treatment Plant treats approximately 3.5 - 5.5 billion gallons of wastewater (depending on the amount of rain) annually which is discharged to the East Branch of the DuPage River. The Illinois Environmental Protection Agency (IEPA), through a National Pollutant Discharge Elimination System (NPDES) permit, regulates the discharge parameters.

## **AUTHORITY ORGANIZATION**

**AUTHORITY BOARD** - The Board of Trustees from the Villages of Lombard and Glen Ellyn govern the Authority. The primary tasks of the Authority Board are to approve an annual budget and audit. Other major responsibilities are to amend the 2014 Intergovernmental Agreement and pass other resolutions as needed. The Board generally meets once a year.

**EXECUTIVE OVERSIGHT COMMITTEE** - The Executive Oversight Committee (EOC) was formed in 1984. The EOC is currently composed of the Village Presidents of Lombard and Glen Ellyn, a Trustee from each Village who is appointed by the respective Village President, the Village Managers from Lombard and Glen Ellyn, and the Public Works Director from each village. The EOC meets once a month or when necessary and has the primary responsibilities to set the strategic vision, review and approve all borrowing, contracts and expenditures, recommend FPA amendments, review the audit, and recommend an annual budget.

**OPERATING "LEAD" AGENCY** - The Village of Glen Ellyn is the operating or "lead" agency for the Authority and provides overall supervision, accounting, personnel, and other management services on a contractual basis for the Authority.

**PERSONNEL** – The day-to-day operation of the facilities is overseen by the Authority's Executive Director who is appointed and approved by the Executive Oversight Committee. A preliminary budget allotment of 18.75 highly qualified individuals who are employed with the Authority. Seventeen (17) employees work full-time while another six (6) work part-time. Eleven employees are certified by the Illinois Environmental Protection Agency in wastewater treatment operations, and seven (7) of those eleven (11) employees hold Class I certificates, the highest certification possible within the State of Illinois.

## **BUDGET ORGANIZATION**

The Authority has adopted a calendar year budget to coincide with a January 1<sup>st</sup> to December 31<sup>st</sup> budget year consistent with the lead agency, the Village of Glen Ellyn. Most of the revenues for Authority operations are derived through monthly payments from the two Villages. Additional revenue is realized from connection fees collected on new structures built in the service area, landfill leachate treatment, cellular tower land lease agreements and interest income. There are two major funds: Operations and Maintenance (Fund 270) and the Capital Fund (Fund 40).

Div. 270 - Glenbard Plant (SRI Lift Station & Sunnyside Lift Station)  
includes:

- 270-1 – Glenbard Stormwater Plant (Hill Avenue Lift Station)
- 270-2 – North Regional Interceptor (St. Charles Lift Station)
- 270-3 – South Regional Interceptor (Valley View Lift Station)

The following is the fund allocation of the Capital fund:

Fund 40 - Equipment Replacement Fund

#### **OPERATION AND MAINTENANCE (O&M) DIVISION**

The O&M division records those transactions that are related to the daily operation and maintenance of the Authority. Operations are defined as the control of the treatment processes and equipment that make up the treatment works. This includes personnel management, equipment operation and monitoring, record keeping, laboratory, process control, solids handling, safety and emergency operation planning.

Maintenance is defined as the preservation of functional integrity of equipment and structures. This includes preventive, predictive, and corrective maintenance. The Operations and Maintenance Budget Revenue is allocated to Division 270 with Operations and Maintenance Budget Expenses tracked as follows:

	<b>Estimated CY2018</b>	<b>Proposed CY2019</b>
Division		
270 - Glenbard Plant	\$3,836,541	\$4,248,691
SRI L.S		
Sunnyside L.S		
270-1 - Stormwater Plant	\$ 129,375	\$ 142,100
Hill Ave. L.S		
270-2 - N. Reg. Int.	\$ 25,010	\$ 32,950
St. Charles Rd. L.S		
270-3 - S. Reg. Int.	\$ 12,001	\$ 22,200
Valley View L.S		
	-----	-----
	\$4,002,927	\$4,445,941

### Cash Reserves / Working Cash

#### CY 2018

Cash Reserves at January 1, 2018	1,220,060
CY18 Projected Surplus/(Deficit)	493,988
Projected Cash Reserves at December 31, 2018	1,714,048
Less: Estimated Encumbrances at December 31, 2018	-
Projected Working Cash at December 31, 2018	1,714,048
Less: CY2018 Required Minimum Working Cash	(1,096,600) *
<b>Projected Working Cash Surplus at December 31, 2018</b>	<b>617,448</b>

### Cash Reserves / Working Cash

#### CY 2019

Projected Cash Reserves at December 31, 2018	1,714,048
CY2019 Projected Surplus/(Deficit)	-
Projected Cash Reserves at December 31, 2019	1,714,048
Less: Estimated Encumbrances at December 31, 2019	-
Projected Working Cash at December 31, 2019	1,714,048
Less: FY2019 Required Minimum Working Cash	(1,110,160) **
<b>Projected Working Cash Surplus at December 31, 2019</b>	<b>603,888</b>

\* 25% of CY2018 Operating Expenses of \$4,386,400

\*\* 25% of CY2019 Operating Expenses of \$4,440,641



The seven most significant cost centers in the proposed CY2019 O&M budget are as follows:

1. **Personnel:** The CY2019 proposed GWA team level is at 18.75 full time equivalents (FTE). Personnel costs for the past twenty years of full time equivalent staff are shown below. SY14 figures indicate expenses for only 8 months due to transitioning to a calendar year in 2015. The figures are indicative of the efficiencies realized through the elimination of multiple shifts, automation and monitoring, and other optimization measures:

	<u>Budget</u>	<u>Actual</u>	<u>FTE</u>
FY98	\$1,433,080	\$1,212,197	27.5
FY99	\$1,286,970	\$ 981,950	25.0
FY00	\$1,074,863	\$ 837,826	20.0
FY01	\$ 897,041	\$ 720,472	18.3
FY02	\$ 882,500	\$ 806,680	17.9
FY03	\$ 936,000	\$ 919,780	17.0
FY04	\$ 979,600	\$ 974,996	16.8
FY05	\$1,065,500	\$1,120,334	15.9
FY06	\$1,163,100	\$1,127,850	15.9
FY07	\$1,219,100	\$1,140,272	15.9
FY08	\$1,254,550	\$1,112,348	14.9
FY09	\$1,197,300	\$1,102,174	14.3
FY10	\$1,235,100	\$1,188,486	15.8
FY11	\$1,328,200	\$1,308,850	15.8
FY12	\$1,372,900	\$1,314,985	15.8
FY13	\$1,368,150	\$1,306,959	15.8
FY14	\$1,410,000	\$1,373,903	15.8
SY14	\$1,066,800	\$1,012,932	17.8
CY15	\$1,555,700	\$1,545,123	17.8
CY16	\$1,619,400	\$1,570,000	18.8
CY17	\$1,647,000	\$1,635,200	18.8
CY18	\$1,612,000	\$1,648,790	18.8 (Estimated)
CY19	\$1,728,690		

2. **O&M:** Expenses are budgeted in the amount of \$700,525. This includes electrical, mechanical, operational, laboratory and administrative operation and maintenance of plant equipment and the maintenance of buildings and grounds. It is imperative that the capital investment that the Villages have made in their wastewater facility be operated and maintained appropriately. These funds, coupled with those in Fund 40 allocated to Plant Equipment Rehabilitation, provide an excellent plan to operate and maintain the Glenbard Plant process equipment. Maintenance funds cover both routine and non-routine repairs.

3. **Utilities:** Electric power, natural gas, water, and telecommunications comprise Utilities, the third largest cost center in the O&M budget. The sum of these utility costs is shown below. The largest component of the utility bill is electrical power used for pumping systems, mixing, and various in-plant processes.

	<u>Actual</u>
FY05	\$606,375
FY06	\$588,400
FY07	\$693,128
FY08	\$1,194,869
FY09	\$769,137
FY10	\$873,093
FY11	\$976,915
FY12	\$1,163,751
FY13	\$752,600
FY14	\$799,084
SY14	\$560,071 (8 Month Budget)
CY15	\$760,826
CY16	\$1,023,100
CY17	\$645,708
CY18	\$634,653 (Estimated)
CY19	\$607,800

4. **Support Services:** The following are budgeted as support for each of the specific disciplines; Operations, Maintenance, Maintenance Building and Grounds, and Electrical. The CY2019 budget is proposed at a cumulative amount of \$405,350. This includes the cost of specialized support services that are more effectively and/or efficiently purchased or contracted than completed internally. Support Services range from \$200 per year for software support to \$122,000 per year which includes upgraded flow meters, data analysis and meter maintenance fees.
5. **Insurance:** Expenses are budgeted in the amount of \$373,100 for Liability and Health. This number represents all insurance required for the Authority's daily business.
6. **Liquid Oxygen:** The newer process of having liquid oxygen delivered versus producing it onsite provides the Authority with flexibility to operate the biological process with lower dissolved oxygen levels which translate into saving cost on liquid hauling. The budget amount for this line item is \$345,000.
7. **Fees:** Expenses are budgeted in the amount of \$285,476. Fees include payments for service, memberships, or regulatory fees during CY2019.

## **CAPITAL FUND**

This fund records those transactions that are related to the capital expenditures of the Authority. Capital can be spent on replacing “like for like” equipment at its useful life or for upgrading old processes to new technology.

The revenue for the capital plan is funded via the following components: equipment replacement fund, interest earned in the Capital and O&M funds, sanitary sewer/GWA connection fees paid to both Villages, landfill leachate treatment, cell tower revenues, miscellaneous revenues and borrowing.

	<b>Estimated CY2018</b>	<b>Proposed CY2019</b>
Fund 40 – Equip. Replacement		
Debt Payment	\$ 637,001	\$ 637,001
Project Expenses	\$ 8,511,591	\$ 8,116,000
Property Acquisition	<u>\$ 169,000</u>	<u>\$ 150,000</u>
Total	\$ 9,317,592	\$ 8,903,001

Proposed CY2019 capital expenses of \$8,903,001 are 4.45% or \$414,591 lower than the CY2018 estimated capital expenses. The decrease reflects the projects that were deferred or removed from the budget due to the construction and engineering of the Facility Improvements Project per the Equipment Replacement Plan presented to you within the Capital Equipment Replacement Fund 40 Footnotes, as well as the shift of the personnel costs for the Assistant Director from Fund 40 to Fund 270.

## **ALLOCATION OF EXPENSES**

The Villages of Lombard and Glen Ellyn split the expenses for system operation and maintenance according to wastewater flows contributed by each partner based on the previous five (5) year average.

A total of 17 remote meters are located at key points in the Authority’s system to enable the Authority to monitor flows which are allocated for billing purposes between the Villages of Lombard and Glen Ellyn. The Flow Meters also identify the flows associated with non-member entities such as DuPage County located on the North side of the GWA Facility Planning Area, and Illinois American Water Company located on the South side of the GWA Facility Planning Area.

In CY2019 a five-year average flow split of 42.56% (Glen Ellyn) and 57.44% (Lombard) is being utilized to estimate the expense allocations for the Wastewater Treatment Facilities. The true ups during the budget year will adjust the members budgeted portions as the flow splits become actual.

The CY2018 budget is inclusive of O&M Division 270 with expense allocation tracking for all facilities. Glen Ellyn recoups some of their operating costs through billings to DuPage County and Illinois-American Water Company.

The ***Total O&M Budget Allocation*** estimates are as follows:

	<b>Budgeted CY2018</b>	<b>Proposed CY2019</b>
Village of Lombard	\$2,433,686	\$2,548,004
Village of Glen Ellyn	<u>\$1,947,532</u>	<u>\$1,887,936</u>
<b>Total</b>	<b>\$4,381,400</b>	<b>\$4,435,941</b>

The overall O&M contribution by the two Villages has increased by \$89,541 or 1.1% more than the CY2018 budget. The allocation to the Villages for the support of the O&M portion of the budget is \$4,435,941. The allocation to the Villages for support of the proposed Capital Fund is \$3,535,000.

### **CONCLUSION**

The total proposed CY2019 budget and comparisons are as follows:

	<b>Budgeted CY2018</b>	<b>Proposed CY2019</b>
O&M	\$ 4,386,400	\$ 4,445,941
<u>Capital</u>	<u>\$ 8,984,337</u>	<u>\$ 9,023,000</u>
Total	\$13,370,737	\$13,468,641

Respectfully Submitted,



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

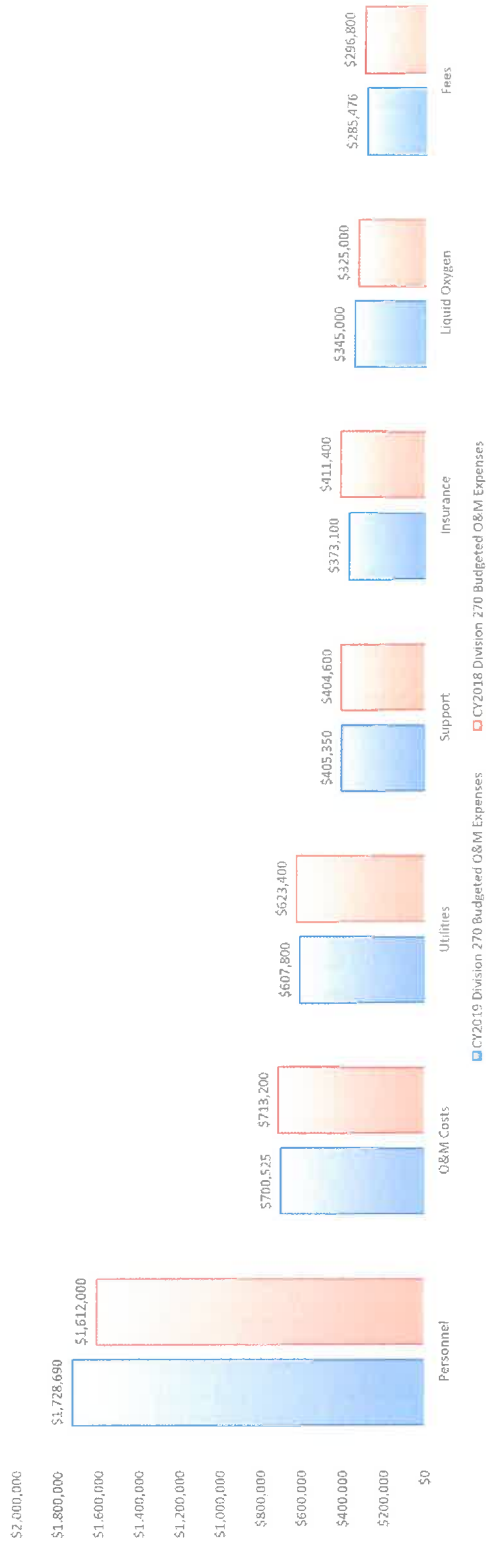
Glenbard Wastewater Authority  
 Budget CY2019  
 All Funds  
 Expense Allocation to Partners

APPROVED CY2018 EXPENSES ALLOCATED TO PARTNERS				
		LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund		2,433,868	1,947,532	4,381,400
<b>TOTAL O&amp;M BUDGET</b>		<b>2,433,868</b>	<b>1,947,532</b>	<b>4,381,400</b>
<b>CAPITAL EQUIPMENT REPLACEMENT FUND</b>		<b>1,847,125</b>	<b>1,652,875</b>	<b>3,500,000</b>
<b>TOTAL O&amp;M AND CAPITAL BUDGETS</b>		<b>4,280,993</b>	<b>3,600,407</b>	<b>7,881,400</b>
ESTIMATED ACTUAL CY2018 EXPENSES ALLOCATED TO PARTNERS				
		LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.		2,100,506	1,736,035	3,836,541
270-1 -- Stormwater Plant / Hill Ave L.S.		70,833	58,542	129,375
270-2 -- North Reg. Int. / St. Charles Rd. L.S.		13,693	11,317	25,010
270-3 -- South Reg. Int. / Valley View L.S.		6,571	5,431	12,001
<b>TOTAL O&amp;M BUDGET</b>		<b>2,191,603</b>	<b>1,811,325</b>	<b>4,002,927</b>
<b>CAPITAL EQUIPMENT REPLACEMENT FUND</b>		<b>1,780,750</b>	<b>1,619,250</b>	<b>3,400,000</b>
<b>TOTAL O&amp;M AND CAPITAL BUDGETS</b>		<b>3,972,353</b>	<b>3,430,575</b>	<b>7,402,927</b>
<b>CY2018 BUDGET OVER (UNDER)</b>		<b>(308,640)</b>	<b>(169,832)</b>	<b>(478,473)</b>
PROPOSED CY2019 PARTNERS ALLOCATION				
		LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund		2,548,004	1,887,936	4,435,941
<b>TOTAL O&amp;M BUDGET</b>		<b>2,548,004</b>	<b>1,887,936</b>	<b>4,435,941</b>
<b>CAPITAL EQUIPMENT REPLACEMENT FUND</b>		<b>1,899,002</b>	<b>1,635,998</b>	<b>3,535,000</b>
<b>TOTAL O&amp;M AND CAPITAL BUDGETS</b>		<b>4,447,006</b>	<b>3,523,934</b>	<b>7,970,941</b>
Proposed CY2019 Partners Allocation Compared to Approved Expenses Allocated to Partners CY2018:				
Operation & Maintenance	\$	\$114,136	(\$59,596)	\$54,541
	%	4.7%	-3.1%	1.2%
Capital Improvements	\$	\$51,877	-\$16,877	\$35,000
	%	2.8%	-1.0%	1.0%
<b>Total O&amp;M and Capital Budgets</b>	\$	<b>166,013</b>	<b>-76,473</b>	<b>89,541</b>
	%	<b>3.9%</b>	<b>-2.1%</b>	<b>1.1%</b>

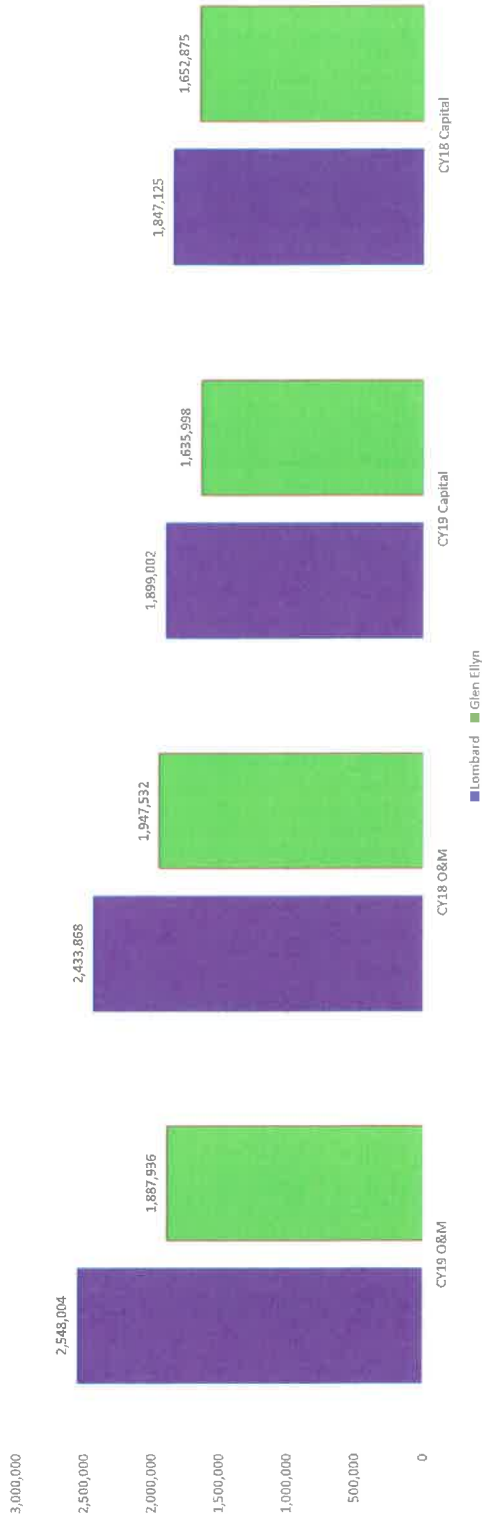
Glenbard Wastewater Authority Budget CY2019 Operations & Maintenance				
SUMMARY BY DIVISION				
Expense Allocation to Partners	Actual	Budgeted	Estimated	Budgeting
REVENUES	CY2017	CY2018	CY2018	CY2019
Div. 270 -- Glenbard Wastewater Authority	4,021,656	4,381,400	4,174,500	4,435,941
Interest O&M Fund	12,609	5,000	3,000	10,000
Miscellaneous Revenue	4,915	0	0	0
IRMA Reimbursement	0	0	0	0
<b>Total Revenues</b>	<b>4,039,180</b>	<b>4,386,400</b>	<b>4,177,500</b>	<b>4,445,941</b>
EXPENSES	Actual	Budgeted	Estimated	Budgeting
	CY2017	CY2018	CY2018	CY2019
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	3,886,357	4,187,600	3,836,541	4,248,691
270-1 -- Stormwater Plant / Hill Ave L.S.	119,473	142,700	129,375	142,100
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	20,647	33,900	25,010	32,950
270-3 -- South Reg. Int. / Valley View L.S.	12,703	22,200	12,001	22,200
<b>Total O&amp;M Expense:</b>	<b>4,039,181</b>	<b>4,386,400</b>	<b>4,002,927</b>	<b>4,445,941</b>
Village of Glen Ellyn O&M Expenditures	1,827,729	1,949,755	1,779,301	1,892,192
Village of Lombard O&M Expenditures	2,211,451	2,436,645	2,223,626	2,553,748
<b>Budget (Over) Under</b>	<b>(1)</b>	<b>0</b>	<b>174,573</b>	<b>0</b>
Use of Available Cash				

Glenbard Wastewater Authority CY2018 Total Budget				
	Actual	Budgeted	Estimated	Budgeting
	CY2017	CY2018	CY2018	CY2019
<b>Operations &amp; Maintenance</b>	<b>\$4,039,181</b>	<b>\$4,386,400</b>	<b>\$4,002,927</b>	<b>\$4,445,941</b>
<b>Capital Costs</b> (Expenses & Debt Repayment)	<b>\$3,212,289</b>	<b>\$8,984,337</b>	<b>\$9,440,291</b>	<b>\$9,023,000</b>
<b>TOTAL</b>	<b>\$7,251,469</b>	<b>\$13,370,737</b>	<b>\$13,443,218</b>	<b>\$13,468,941</b>

# CY2018/CY2019 Division 270 Budgeted O&M Comps



## CY2018/CY2019 Member Contribution Comps



**Budget CY2019****Operations & Maintenance****Division 270****Expense Allocation to Partners****REVENUE**

		<b>Actual CY2017</b>	<b>Budgeted CY2018</b>	<b>Estimated CY2018</b>	<b>Budgeting CY2019</b>
<b>Operation/Maintenance</b>					
450010	Glen Ellyn Share - 42.56%	1,715,437	1,947,532	1,926,949	1,887,936
450015	Lombard Share - 57.44%	2,306,219	2,433,868	2,247,551	2,548,004
	Partners Allocation	4,021,656	4,381,400	4,174,500	4,435,941
	<b>Interst Income - O&amp;M Fund</b>	<b>12,609</b>	<b>5,000</b>	<b>3,000</b>	<b>10,000</b>
	<b>Misc. Revenue</b>	<b>4,915</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>IRMA Reimbursement</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>DIVISION 270</b>		<b>4,039,180</b>	<b>4,386,400</b>	<b>4,177,500</b>	<b>4,445,941</b>

NOTE: The flow splits used to calculate partner payments for CY2019 are as follows:

Flow Split for Glen Ellyn: 42.56%

Flow Split for Lombard 57.44%

(for 5 yrs. Average ending 12/31/17)

NOTE: The flow splits used to calculate partner payments for CY2018 are as follows:

Flow Split for Glen Ellyn: 44.45%

Flow Split for Lombard 55.55%

(for 5 yrs. Average ending 12/31/16)

NOTE: The flow splits used to calculate partner payments for CY2017 are as follows:

Flow Split for Glen Ellyn: 45.25%

Flow Split for Lombard 54.75%

(for 5 yrs. Average ending 12/31/15)



## Budget CY2019

## Operations and Maintenance

## Division 270

## Expense Allocation to Partners

## Personnel Services

	Footnotes	Actual CY2017	Budgeted CY2018	Estimated CY2018	Budgeting CY2019	% Difference CY18-CY19	\$ Difference CY18-CY19
<b>EXPENSES</b>							
510100 Salaries - Regular	1	1,243,772	1,250,000	1,286,186	1,392,000	11.4%	142,000
510110 Salaries - Part-Time Ops.	2	54,704	45,000	58,108	60,000	33.3%	15,000
510200 Salaries - Overtime	3	53,301	51,000	62,470	51,000	0.0%	0
510300 Salaries - Temporary/Seasonal		1,578	25,000	4,000	7,000	-72.0%	(18,000)
510400 FICA		100,172	108,000	103,926	115,515	7.0%	7,515
510500 IMRF	4	129,700	133,000	134,100	103,175	-22.4%	(29,826)
<b>Total</b>		<b>1,583,225</b>	<b>1,612,000</b>	<b>1,648,790</b>	<b>1,728,690</b>	<b>7.2%</b>	<b>116,690</b>
<b>Contractual Services and Commodities</b>							
520305 Employee Recognition		558	1,000	251	1,000	0.0%	0
Dues/Subs./Fees		15,362	15,900	4,902	15,750	-0.9%	(150)
520615 Recruiting/Testing		1,501	1,000	5,111	1,000	0.0%	0
520620 Employee Education	5	12,352	20,700	15,784	19,000	-8.2%	(1,700)
520625 Travel (Mileage)		0	500	53	750	50.0%	250
520700 Pro. Serv.-Legal Support	6	20,681	15,000	20,798	15,000	0.0%	0
520750 Legal Notices		581	500	627	500	0.0%	0
Regulatory Fees		52,741	55,000	52,735	53,000	-3.6%	(2,000)
DuPage River Salt Creek Work Group Fee	7	25,278	31,300	31,242	33,600	7.3%	2,300
520806 Pro. Serv.-Lab Support		23,594	30,000	19,528	27,500	-8.3%	(2,500)
External Consulting Fees	8	13,616	30,000	14,067	20,000	-33.3%	(10,000)
Audit Fees / Pro. Serv. - Acct.	9	10,800	14,300	11,100	11,400	-20.3%	(2,900)
Bank Charges		25	0	0	0		
520885 Insurance - Liability (MICA)	10	167,443	154,000	144,016	160,000	3.9%	6,000
520895 Insurance - Health	11	233,495	257,400	209,530	213,100	-17.2%	(44,300)
520970 Maint. - Bldg. & Grds.		4,557	11,000	14,387	12,000	9.1%	1,000
520971 Bldg. & Grounds - Support		41,436	61,100	51,317	56,550	-7.4%	(4,550)
520975 Maint. - Equipment		99,064	157,600	50,589	157,825	0.1%	225
520976 Maint. - Support	12	46,216	61,900	39,868	62,500	1.0%	600
520980 Maint. - Electronics		54,893	70,000	47,127	66,000	-5.7%	(4,000)
520981 Elect. - Support	13	197,476	206,900	188,700	219,900	6.3%	13,000
520990 Operations - Supplies		9,394	15,900	14,252	14,100	-11.3%	(1,800)
520991 Operations - Support		4,567	15,000	3,994	7,000	-53.3%	(8,000)
521055 Professional Services - Other Support		1,904	2,000	1,741	4,000	100.0%	2,000
Overhead Fees	14	128,372	129,300	129,270	131,726	1.9%	2,426
521150 Sludge Disposal - Land Applied	15	179,218	220,000	119,041	195,000	-11.4%	(25,000)
521195 Telecommunications		29,685	31,400	27,884	31,800	1.3%	400
521201 Electric Power	16	427,921	435,000	448,171	400,000	-8.0%	(35,000)
521202 Natural Gas	17	66,567	45,000	53,357	60,000	33.3%	15,000
521203 Water		50,009	20,000	28,454	25,000	25.0%	5,000
521204 Self-Gen Gas		4,436	6,000	4,917	6,000	0.0%	0
530100 Office Expenses		15,236.86	20,000	12,450	16,500	-17.5%	(3,500)
530106 Operating Supplies - Lab		15,010.37	20,000	10,249	20,000	0.0%	0
530107 Pretreatment Expenses		0.00	5,500	0	4,500	-18.2%	(1,000)
530200 Administrative Purchases		182.20	3,500	0	500	-85.7%	(3,000)
530225 Safety		17,951.59	16,900	14,302	17,500	3.6%	600
530440 Chemicals	18	90,653.36	65,000	42,206	90,000	38.5%	25,000
530443 Liquid Oxygen	19	236,854.77	325,000	352,883	345,000	6.2%	20,000
530445 Uniforms		3,501.82	5,000	2,847	5,000	0.0%	0
<b>Total</b>		<b>2,303,131</b>	<b>2,575,600</b>	<b>2,187,751</b>	<b>2,520,001</b>	<b>-2.2%</b>	<b>(55,599)</b>
<b>TOTAL DIVISION 270</b>		<b>3,886,357</b>	<b>4,187,600</b>	<b>3,836,541</b>	<b>4,248,691</b>	<b>1.5%</b>	<b>61,091</b>

## CY2018 DIVISION 270 O&M FOOTNOTES

(1) **SALARIES (\$1,392,000):**

This budget number includes salaries provided for seventeen (17) full-time staff members. The full-time equivalent for all staff is approximately 18.8 including part-time operators and seasonal staff.

(2) **SALARIES - PART-TIME OPERATORS (\$60,000):**

The Glenbard Plant operates 24 hours per day, 7 days per week. The SCADA System monitors the plant while it is not manned. Work *is* required on weekends and holidays to assure continued treatment and processing to meet stream discharge standards. Most of this work involves solids processing that must be done 7 days per week. For approximately seventeen (17) years we have used Part-Time Operators to provide operational inspections and solids processing on weekends and holidays. The use of five (5) part-time operations staff has allowed the full-time operations staff to work a regular work week without needing to work swing shifts or weekend work unless a situation arises. This has worked out well, and has resulted in not only better working arrangements for the full-time operations staff, but also utilizes an expanded pool of operators who can be called upon to help with the plant operations. This item is based on the equivalent of one (1) full time 40 hour per week employee.

(3) **SALARIES – OVERTIME (\$51,000):**

GWA continues to trend overtime and manage this expense with best management practices in mind.

(4) **IMRF (\$103,175):**

This represents a \$29,825 reduction compared to the CY2018 budget number of \$133,000.

(5) **EMPLOYEE EDUCATION (\$19,000):**

The employee education line item this year includes but not limited to the following:

Illinois Public Sector Institute (IPSI) Training	\$6,000
WEF Technical Conference	\$2,000
IWEA, CSWEA, IAWA Technical & Annual Conf.	\$4,000
NACWA Pretreatment Conference	\$1,000

(6) **PROFESSIONAL SERVICE LEGAL (\$15,000):**

This item had no increase from CY2018 and is used for legal needs regarding projects and contract reviews, lease agreements, access, and all other legal consultation.

**(7) DUPAGE RIVER SALT CREEK WORK GROUP (\$33,600):**

The increase in the work group dues is a direct correlation to the support we provide as members to keep the administrative functions in tact as we continue to collaborate with the IEPA with regard to our NPDES permits. The project initiatives that the East / West Branch DuPage River & Salt Creek watersheds are providing to the IEPA are imperative to the impacts of the nutrient standards relating to point source dischargers. The work group has been recognized by the IEPA as a leader in developing remediation to stream standards particularly relating to habitat improvements. The work group believes that stream remediation is the path to healthier streams and rivers versus costly implementation of nutrient discharge limits at treatment plants for phosphorus and total nitrogen. Educating communities about chloride utilization, storm water best management practices, and the discontinued use of coal tar sealants have also been important functions provided by this group. The IEPA has granted the Authority with two permit cycles (10 years) without impending NPDES limits for phosphorus, and is currently in negotiations to get another permit cycle (5 years) included onto the exemption.

**(8) External Consulting Fees (\$20,000):**

This item covers the cost to hire a consulting engineer for small specific tasks required to implement equipment changes, operational changes or general consultation. In CY2019 the Authority anticipates needing to use external consultants for a number of small jobs or studies.

**(9) AUDIT FEES (\$11,400):**

The Audit fees for the Authority cover the cost of the Village of Glen Ellyn as the "Operating Agency" to hire a third-party financial firm to provide an Audit of the CY2018 financials.

**(10) INSURANCE LIABILITY (\$160,000):**

This item represents the annual premium cost of our coverage with Municipal Insurance Cooperative Agency (MICA), a pooled insurance program, which provides a protected self-insured plan. Included in this expense line is the annual premium payment to MICA for CY2019 and an excess liability policy. This Line item is the is a \$6,000 increase from the number that was utilized for the CY2018 budget number of \$154,000. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.

**(11) INSURANCE HEALTH (\$213,100):**

Health care is provided through the Village of Glen Ellyn insurance plan. This line item reflects a \$44,300 decrease over the CY2018 budget number of \$257,400.

**(12) MAINTENANCE SUPPORT (\$62,500):**

This line item reflects work previously budgeted in the Maintenance-Contractual line item. This represents a \$600 increase from the CY2018 budget number of \$61,900. A few of the most significant expenses included in this item in CY2018 are:

Vehicle Maintenance (Provided by VGE) Costs	\$36,700
Miscellaneous Equipment Maintenance	\$15,700
Maintenance Garage	\$1,500
Combined Heat & Power	\$8,000

**(13) ELECTRICAL SUPPORT (\$219,900)**

This line item reflects a increase in CY2019 compared to CY2018 budget number of \$206,900. The increase is attributed to increased costs in annual service contract increases.

**(14) OVERHEAD FEES (\$131,276):**

Overhead fees per the Intergovernmental Agreement (IGA) are based on the annually published CPI-U Chicago increase of 1.9% for the CY2019 budget. In 2015 the administrators for the member Villages reviewed the demands of the Authority regarding the Operating Agency's responsibility for oversight and felt that after three years (per the IGA) the review of workload allocation and the cost to support the Authority is acceptable until the next review due this year.

**(15) SLUDGE DISPOSAL FEES (195,000):**

Sludge disposal fees have been calculated based the new bid price that was obtained in CY2018 for a 3-year contract, and estimated volume of sludge produced. This cost includes the costs of hauling sludge off plant site daily in order to better mitigate odors.

**(16) ELECTRIC POWER (\$400,000):**

In CY2017 The Authority signed a four (4) year agreement which began in CY2018 (February) with Direct Energy for a Fixed Fee of \$0.04436/KWH (reduction from previous 3-year contract with Dynegy Energy for \$.0478/KWH.) Our power consumption is directly impacted by wet weather conditions impacting our facilities. The Authority originally estimated this cost to be much lower (\$300,000) due to the potential electricity being produced by Combined Heat & Power (CHP) engine generators, however due to the digester upset, conservative numbers have been reinserted into the budget keeping in mind the uncertainty of the co-digestion/HSW program, and it's affect on the ability to generate more electricity. The \$400,000 budget number for CY2019 is based on past trends and predicted CHP Electricity production, as well as normal operating parameters for the plant.

**(17) NATURAL GAS (\$60,000):**

In CY2017 The Authority signed a four (4) year agreement which began in CY2018 (April 1) with Constellation Energy Services for a Fixed Fee of \$2.78 per dekatherm (reduction from previous 3-year contract with Integrys Energy for a Fixed Fee of \$4.19 per dekatherm) The Authority is looking to continue to reduce our natural gas costs with the CHP process which as a secondary savings driver will reduce the need for natural gas as a fuel for our 1.5 million BTU boilers used to heat the anaerobic digesters. The hot water created by the engines is used to

heat the digester which lowers the temperature of the water as it recirculates back through the engine and gets reheated. The hydronic process of the CHP system is complicated due to the needs of two processes, the anaerobic digester heating demands and the CHP engine cooling demands. The two must work together to successfully regulate the temperatures each one specifically needs. The hot water if not needed by the boilers, will be cooled by the radiators to keep the CHP's from overheating.

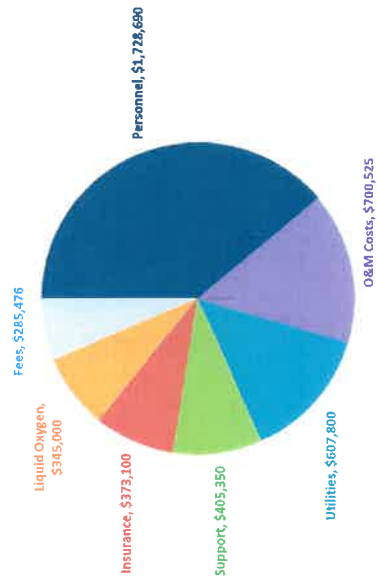
**(18) CHEMICALS (\$90,000):**

Chemicals used in the daily operation of the plant are included in this section at expected levels consistent with our recent history. Different chemicals are used for sludge dewatering, odor control, acid wash, and mineral deposition throughout the plant. Polymer production costs continue to increase annually due to the product being petroleum based. This item saw a significant increase from CY2018 due to higher hauling costs, as well as the additional of a chemical system related to the Facility Improvement Project

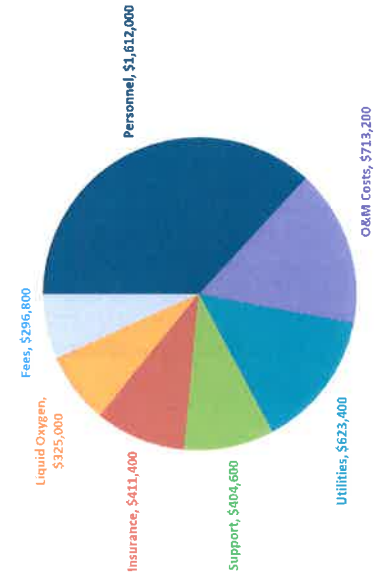
**(19) Liquid Oxygen (\$345,000)**

In CY2018 the Authority began to haul in pure oxygen from an outside provider. The transition to hauling it from an outside provider has allowed us to start using less energy, while still operating the high purity oxygen system, and gave us the ability to fine tune our operations prior to converting to a biological nutrient removal processes. Performing the transition could avoid shocks to the biological components of the overall treatment process as a result of moving directly from High Purity Oxygen (HPO) Activated Sludge process to Biological Nutrient Removal (BNR). The transition to liquid hauling would also consume less staff time since the cryogenic plant would no longer be in operation, and would reduce overall operational costs. This line item has a \$20,000 increase from CY2018 due to trying to refine actual numbers based on historical usage. Since this is still a relatively new process, we continue to refine the number as we have more historical data to base it off of.

CY2019 O&M EXPENSES



CY2018 O&M EXPENSES



## Budget CY2019

## EXPENSES

## Operations &amp; Maintenance

## Division 270-1

## Stormwater Plant &amp; Hill Avenue Lift Station

	Actual CY2017	Budgeted CY2018	Estimated CY2018	Budgeting CY2019	% Difference CY18-CY19	\$ Difference CY18-CY19
<b>Operations &amp; Maintenance</b>						
520171 Regulatory Fees	20,000	21,000	20,000	20,000	-4.8%	(1,000)
520970 Maint. - Bldgs. & Grnds. / Support	10,009	12,000	17,562	12,200	1.7%	200
520975 Maint. - Equipment	4,437	5,200	1,488	5,400	3.8%	200
520980 Maint. - Electronics	0	4,000	3,630	4,000	0.0%	0
521201 Electric Power	33,664	40,000	34,809	40,000	0.0%	0
521202 Natural Gas	2,837	4,500	4,124	4,500	0.0%	0
521203 Water	3,246	5,500	3,597	5,500	0.0%	0
530105 Operations Supplies	435	500	400	500	0.0%	0
<b>Commodities</b>						0
530440 Chemicals	44,846	50,000	43,765	50,000	0.0%	0
<b>Total 270-1</b>	<b>119,473</b>	<b>142,700</b>	<b>129,375</b>	<b>142,100</b>	<b>-0.4%</b>	<b>(600)</b>

**Budget CY2019**  
**Operations & Maintenance**  
**270-2**  
**NRI / St. Charles Road L.S.**

**EXPENSES**

		<b>Actual CY2017</b>	<b>Budgeted CY2018</b>	<b>Estimated CY2018</b>	<b>Budgeting CY2019</b>
<b>St. Charles Rd. Lift Station</b>					
520970 SC	Maint. - Bldg. & Grnds.	49	400	139	450
520975 SC	Maint - Equipment	1,261	9,000	2,446	9,000
520980 SC	Maint. - Electronics	2,824	3,000	4,211	3,000
521201 SC	Electric Power	16,513	21,000	18,215	20,000
<b>Total</b>		<b>20,647</b>	<b>33,400</b>	<b>25,010</b>	<b>32,450</b>
<b>North Regional Interceptor</b>					
520970 NRI	Maint. - Piping & Grnds.	0	500	0	500
<b>Total</b>		<b>0</b>	<b>500</b>	<b>0</b>	<b>500</b>
<b>Total 270-2</b>		<b>20,647</b>	<b>33,900</b>	<b>25,010</b>	<b>32,950</b>



**Budget CY2019**  
**Operations & Maintenance**  
**270-3**

**EXPENSES**

<b>SRI / Valley View L.S.</b>		<b>Actual CY2017</b>	<b>Budgeted CY2018</b>	<b>Estimated CY2018</b>	<b>Budgeting CY2019</b>
<b>Valley View Lift Station</b>					
520970 VV	Bldg. & Grnds. Support	49	700	139	700
520975 VV	Maint. - Equipment	697	5,000	739	5,000
520980 VV	Maint. - Electronics	1,128	1,000	0	1,000
521201 VV	Electric Power	9,322	13,000	9,626	13,000
521203 VV	Water	1,508	2,000	1,498	2,000
<b>Total</b>		<b>12,703</b>	<b>21,700</b>	<b>12,001</b>	<b>21,700</b>
<b>South Regional Interceptor</b>					
520970	Maint. - Piping & Grnds.	0	500	0	500
<b>Total</b>		<b>0</b>	<b>500</b>	<b>0</b>	<b>500</b>
<b>Total 270-3</b>		<b>12,703</b>	<b>22,200</b>	<b>12,001</b>	<b>22,200</b>

# Capital

# GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

REVENUE in Thousands \$	Footnotes	CY(2018)	CY(2019)	CY(2020)	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)
		Estimated	Budgeting	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing	1	7200	2500				6500	8000						0
Investment Income		12	15	10	10	10	10	10	10	10	10	10	10	20
Glen Ellyn Conn Fees		50	50	25	25	25	25	25	25	25	25	25	25	25
Lombard Conn Fees		34	40	25	25	25	25	25	25	25	25	25	25	25
Demand Response Program		36	25	26	26	27	27							
Leachate Revenue	2	126.7	120	117	117	117	117	117	117	117	117	117	117	117
Fats Oil & Grease (FOG) / Industrial Waste Tipping Fees		20	50	75	75	75	75	75	75	75	75	75	75	75
Cell Tower Revenue	3	53.73	53	55	58	60	62	65	67	70	73	76	79	79
Operating Surplus Transfers	4	159	0											
Pretreatment Fines		0	0											
Misc. Revenue		6	10	10	10	10	10	10	10	10	10	10	10	10
Capital Fund Contribution - Glen Ellyn		1653	1636	1607	1623	1639	1655	1672	1689	1705	1723	1740	1757	1775
Capital Fund Contribution - Lombard		1847	1899	1964	1983	2003	2023	2043	2064	2084	2105	2126	2148	2169
Total Capital Fund Contribution	5	3500	3535	3570	3606	3642	3679	3715	3752	3790	3828	3866	3905	3944
TOTAL REVENUE		11197	6398	3913	3952	3991	10530	12042	4081	4122	4163	4204	4246	4295
EXPENSES in Thousands \$		CY(2018)	CY(2019)	CY(2020)	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)
Debt Service Payments:		Estimated	Budgeting	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Ana Digester Project Debt Payment (P&I)	6	637	637		637	637	637	637	637	637	637	637	637	637
FIP Debt Payment Actual (P&I)				497	995	995	995	995	995	995	995	995	995	995
Bio P Debt Payment Scheduled (P&I)														
Debt Service Payment Subtotal		637	637	1134	1632	1632	1632	1632	2283	1964	1964	1964	1965	1965
Debt Service Subtotal		637	637	1134	1632	1632	1632	1632	2283	1964	1964	1964	1965	1965
Capital Improvements														
Property Acquisition - DCFPD NRI Easement Purchase		169	150											
Capital Improvement Projects														
Vehicle and Equipment Replacement	7	40	0	64	126	71	184	248	137	141	130	130	130	130
Small Capital Projects	8	96.982	165	100	100	100	100	100	100	100	100	100	100	100
Infrastructure Improvements	9	108.557	112	300	300	300	300	300	300	300	300	300	300	300
Roof Replacements - Updated based on Repl. Schedule	10	142.27	144	349	43	172	0	0	97	149	175	65	50	34
Plant Equipment Rehabilitation	11	510.415	310	300	300	300	300	300	300	300	300	300	300	300
Cryo Maintenance/Atmospheric Vaporizer Lease		20	20	20	20	25	25	25						
Facility Plan	12	59						150					175	
Odor Control Study		29												
DuPage River Salt Creek Work Group	13													
Assessment Cost for Watershed Projects		159.478	265	273	281	289								
Odor Control Capital Improvement	15			250										
Facility Improvements Project	16													
Engineering		123	120											
Construction/(EPA Loan)		7200	3500											
Sludge Lagoon Cleanout														
North Sludge Lagoon														
South Sludge Lagoon				200										
Bemis Road and Administrative Parking Lot Improvements					400									
Electric Service Distribution System Rehabilitation Project	17													
Engineering		145.5	100											
Construction			2500											
Admin Building HVAC Construction			1000											
Biological Phosphorus Removal														
Studies & Reports				200										
Engineering					750	750								
Construction							6500	8000						
Grit Building MCC Replacement														
Engineering						29								
Construction						221								
PLC Replacements - Campus Wide														
Purchase & Installation					1600									
Biosolids Dewatering Equipment Replacement / Covered Storage				603										
Engineering					2000									
Construction														
Stormwater Plant Barscreen & Grit Collection System Upgrade									532					
Engineering										2200				
Construction											2200			
Anticipated Future Projects per the 20 Year 2013 Facility Plan.														
O&M Manual Updates														
Primary Waste Activated Sludge Thickening											380			
Liquid Biosolids Storage Improvements											1600			
											1100			
Project Total		8634	8296	2659	5920	2257	7409	9123	934	1522	6285	3095	1055	864
IFT/DEBT SERVICES / PROJ TOTAL		9440	9023	3793	7552	3889	9041	10756	3217	3466	6249	5059	3020	2829
Cash on Hand 1/1		4130	5887	3262	3382	(218)	(115)	1373	2660	3525	4161	75	(780)	446
Gain/Loss FY		1757	(2625)	120	(3600)	102	1489	1267	864	636	(4086)	(655)	1226	1456
Cash on Hand 12/31		5887	3262	3382	(218)	(115)	1373	2660	3525	4161	75	(780)	446	1912

## Improvements Removed Due to Planned Decommissioning of the Production Plant and eventual conversion to a Biological Phosphorus Removal Facility

* UNOX Deck Control Improvements - \$395,000	\$395,000
* Final Unox Stage Modifications - \$234,000	\$234,000
* Cryo Building MCC and PLC Replacements - \$306,000	\$306,000
* Intermediate Pump Station Modifications - Included in the BPR Project - \$1,500,000	\$1,500,000
* Chemical Phosphorus Removal - Not needed due to the BPR Project - \$761,000	\$761,000
<b>TOTAL REDUCTIONS OR OFFSETS IN CAPITAL SPENDING</b>	<b>\$3,196,000</b>

2806

**CY2019  
FUND 40  
CAPITAL FOOTNOTES**

**(1) Proceeds From Borrowing (\$2,500,000):**

This line item depicts the borrowing needs for CY2019 necessary to fund the Facility Improvements Project (FIP). The total amount being requested to borrow between CY2017 and CY2019 is \$16,725,000. The total estimated 20-year Debt payment scheduled to begin in CY2020 for the FIP is \$19,924,327.

**(2) Leachate Revenue (\$120,000):**

We have extended the contract to Waste Management to include delivering up to 42,000 gallons per day, five days per week at \$0.025/gallon. The Authority has been averaging 21,000 gallons per day which equates to approximately \$140,000/year in additional revenue. There are a couple reasons to leave a conservative number in for this item; if for any reason the leachate has any ill effects on the treatment process, Waste Management will halt all deliveries until the process recuperates. Also, leachate flow is heavily dependent on rainfall, so if less than average precipitation amounts are experienced, there will be a decrease in leachate revenue.

**(3) Cell Tower Revenue (\$53,000):**

In CY2016 the Authority and the Village of Glen Ellyn negotiated with TowerCo to build a new tower capable of accepting up to four carriers. The new tower was built in CY2017, and added Verizon as a carrier, therefore adding our anticipated revenue from leasing the land for the cellular tower. The Authority has estimated approximately \$53,000 in revenue for this lease in CY2018. This could be increased if additional carriers sign onto the tower

**(4) Operating Surplus Transfers (\$159,000):**

The EOC approved the audit reported CY2017 O&M surplus to be transferred to the Capital Fund 40 at the June 14, 2018 meeting. Originally, specific instructions for use of the transfer were approved by the EOC, however due to increased costs related to the FIP these funds were no longer designated to be set aside.

**(5) Capital Fund Contributions (\$3,535,000):**

The Capital Improvement Fund 40 relies on dedicated contributions from both communities to support GWA capital expenses. Based on Facility Planning efforts during FY2013 and FY2014 the Capital Fund 40 will be increased annually based on project demands for an estimated 20 years.

The current rate of increase for the Capital Fund is calculated at 1% annually which is a 1% increase compared to CY2016 & CY2017.

**(6) Anaerobic Digester Improvement Project Debt Payment (\$637,000):**

This is the principal and interest payment for the IEPA Loan utilized for the 2007-2013 installation of a new 80' digester at the Glenbard Plant. Also included in this project was some cleanup work from the BIP Project. The amount of the loan was \$7,543,026 to be paid back over fifteen (15) years at an interest rate of 2.5%. Substantial completion was awarded near the end of FY2011. Final Completion of the Anaerobic Digester Project was awarded in November 2013.

**(7) Rolling Stock (\$0):**

GWA has no anticipated replacement of rolling stock for CY2019

**(8) Small Capital Improvements (\$165,000):**

This cost center provides for small capital improvements. A few of the planned improvements for CY2019 are listed below:

Thermal Imaging Camera	\$15,000
Grinder Exchange Program	\$20,000
Screw Pump – Lower Bearing Replacement	\$10,000
Electrical Combined Heat & Power Spare Parts	\$10,000
Mechanical Combined Heat & Power Spare parts	\$10,000
Dewatering Truck Bay Overhead Door Replacement	\$15,000
Overhead Door Safety Bumper Replacement	\$30,000
PVC Stock	\$5,000
Metal Stock	\$5,000

**(9) Infrastructure Improvements (\$112,000):**

This cost center provides for various infrastructure improvements throughout the GWA Facilities. A few of the planned projects for CY2019 are listed below:

Plant Fiber Testing and Repairs	\$30,000
Dewatering Building Rooftop AC/Heater Replacement	\$50,000
Roof Replacement Consulting	\$7,000
High Strength Waste Improvements/Modifications	\$25,000

**(10) Roof Replacements (\$144,000):**

This year GWA will be performing minor roofing replacements at the Glenbard Plant while we evaluate the updated plan for future needs.

**(11) Plant Equipment Rehabilitation (\$310,000):**

This cost center provides for various equipment rehabilitations throughout the GWA Facilities. The planned projects for CY2018 are listed below:

Year Two of Three Year Plan to televise and inventory our interceptors	\$100,000
Siloxane and Hydrogen Sulfide Media Replacement	\$50,000

Moyno Pumps Spare Parts	\$25,000
Gravity Thickener Mechanism and Bridge Painting	\$40,000
SRI Pump Station Concrete Lining System	\$50,000

**(12) Facility Improvements Plan**

GWA conducted an equipment related study that will be during CY2018 to identify the GWA needs for the future. The Facility Plan is addressing the needs for repair, upgrades, or replacement pertaining to aging infrastructure and more stringent regulations that would require different types of processes. A significant focus of last year's Facility Plan was to identify any odor control solutions that could be implemented, and their associated costs. The Authority updates its Facility Plan about every 5 years in order to stay current with it's needs to the future, as well as to make sure the anticipated projects stay eligible for State Revolving Loan funds.

**(13) DuPage River Salt Creek Work Group (\$265,000):**

The project initiatives that the East / West Branch DuPage River & Salt Creek watersheds are providing to the IEPA are imperative to the impacts of the nutrient standards relating to point source dischargers. The work group has been recognized by the IEPA as a leader in developing remediation to stream standards particularly relating to habitat improvements. The work group believes that stream remediation is the path to healthier streams and rivers versus the implementation of overly stringent nutrient discharge limits for phosphorus and total nitrogen. Educating communities about chloride utilization, storm water best management practices, and the discontinued use of coal tar sealants have also been important functions provided by this group. The IEPA has granted the Authority with first of two potential permit cycles (10) years without impending NPDES limits for phosphorus. If the Authority fails to support the assessed fees as agreed to per the commitment agreement with the DRSCWG we may be facing a phosphorus limit as low as .1 mg/l versus a 1.0 mg/l

**(14) Odor Control Capital Improvement (\$250,000):**

Due to continuing odor issues with neighbors adjacent to the main plant, funds are being inserted into the Capital plan for a larger scale odor control improvement, which will be identified in the Facility Plan

**(15) Facility Improvements Project (FIP) (\$3,620,000):**

The FIP project had been awarded to Boller Construction Company of Waukegan, IL in the amount of \$16,725,000 and focuses on the aging infrastructure of our Influent Pumping Station, Sand Filters and underground utility replacements of natural gas and non-potable water

lines. The majority of all of these systems are approximately 17 years old with some of the components being original 1977 equipment. The most recent improvement to all of this was to the influent gates for the barscreen and raw pumping station which were replaced in the early 2000's. The main focus at the influent pumping station is to replace the Raw Pumps, Variable Frequency Drives, Motor Control Centers, and Hydraulic Actuators. The station will be updated with pumps that will be able to reduce impacts to the interceptor sewers during high flow events due to their high head loss suction capabilities. The Sand Filters are being replaced with what is called a disk filter in an effort to remove significant recycles flows, and mechanical maintenance demands. Due to recent complications, the overall project cost is now at \$17,701,258,83, and expected to be complete in November 2019

**(16) Electric Service Distribution System Rehabilitation Project (\$2,600,000):**

Due to recent electrical failures this project had been moved up to be constructed in CY2019. This was identified in our previous 5-year capital project plan in the Facility Plan as being needed. A RFQ/RFP process selected an engineer in CY2018 to perform the design and engineering. This project will be bid in early CY2019 and is anticipated to be \$2.5M with \$100k in construction engineering fees.

The electrical power distribution system is served from a single connection to the local electric utility's distribution system. In the event of loss of utility supply, three on-site 800 kW natural gas generators can produce ample power to serve the facility. The facility has two medium voltage underground distribution circuits, and either circuit can be used to serve all critical plant loads—from the utility or from the generators. However, the two underground circuits share common duct banks and common manholes. Thus, a single event could cause failure of both underground circuits. Alternatives to mitigate these single points of failure will be considered in the analyses. While all the critical plant loads are connected to both medium voltage underground distribution circuits, the Main Cryogenic Compressor and the Administration Building do not have redundant step-down transformers. Thus, a single failure of the step-down transformer to these loads will result in loss of critical power. Alternatives for a redundant transformer or back-up 480 V supply to these two critical loads will be addressed in the analyses. A previous power system study has identified that the protective devices in the supply to the Sludge Dewatering Building and the Digester Building are not appropriately rated to interrupt a worst-case short-circuit event. Appropriate equipment replacement will be addressed in the analyses. As part of the facility's existing maintenance and testing plan, plant staff periodically performs cable testing on the distribution network. The cables being tested must be



isolated from the system prior to testing, and the act of cable disconnection (determination) is very time-consuming. Plant staff have expressed an interest in adding disconnect switches to specific circuits to reduce man-hours required to perform the cable testing. Alternatives for more efficient cable testing will be developed in the analyses. The site lighting is aging and appears to be corroding. Replacement of the site lighting will be included in this scope. Any potential incentives or grant funding related to the site lighting or other electrical work shall be explored as well.

Budget CY2019  
Glenbard Treatment Facility  
Fund 40 Capital Plan  
Capital Improvements Detail

	Estimated CY2018	Budgeting CY2019
PROCEEDS FROM BORROWING	7,200,000	2,500,000
INVESTMENT INCOME	12,000	15,000
CONNECTION FEES - GLEN ELLYN	50,000	50,000
CONNECTION FEES - LOMBARD	34,000	40,000
ENERNOC DEMAND RESPONSE PROGRAM	36,000	25,000
LEACHATE REVENUE	126,700	120,000
FATS OIL & GREASE (FOG) / INDUSTRIAL WASTE TIPPING FEES	20,000	50,000
CELL TOWER REVENUE	53,730	53,000
OPERATING SURPLUS TRANSFERS	159,419	0
PRETREATMENT FINES	0	0
MISCELLANEOUS REVENUE	5,500	1,000
EQUIPMENT REPLACEMENT FUND		
	GLEN ELLYN - 46.28%	1,652,875
	LOMBARD - 53.72%	1,847,125
<b>REVENUES TOTAL:</b>	<b>11,197,349</b>	<b>6,389,000</b>
<b>PRINCIPAL &amp; INTEREST:</b>		
IEPA DIGESTER PRINCIPAL	532,011	545,395
IEPA DIGESTER INTEREST	104,990	91,607
<b>PRINCIPAL &amp; INTEREST TOTALS:</b>	<b>637,001</b>	<b>637,001</b>
<b>CAPITAL IMPROVEMENTS</b>		
PROPERTY ACQUISITION		
SPENT/ESTIMATED TO SPEND	169,000	150,000
<b>CAPITAL IMPROVEMENT PROJECTS</b>		
VEHICLE AND EQUIPMENT REPLACEMENT	40,089	0
SMALL CAPITAL PROJECTS	96,982	165,000
INFRASTRUCTURE UPGRADES	108,557	112,000
ROOF REPLACEMENTS	142,270	144,000
PLANT EQUIPMENT REHABILITATION	510,415	310,000
CRYO MAINTENANCE/ATMOSPHERIC VAPORIZER PURCHASE OR LEASE	20,000	20,000
FACILITIES PLAN UPDATE/ODOR CONTROL STUDY	88,300	0
ADMINISTRATION BUILDING HVAC REHABILITATION CONSTRUCTION/ENGINEERING	0	1,000,000
DUPAGE RIVER SALT CREEK WORKGROUP ASSESSMENT	159,478	265,000
FACILITY IMPROVEMENTS PROJECT	7,200,000	3,500,000
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT CON. ENG		100,000
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT	145,500	2,500,000
<b>CAPITAL IMPROVEMENTS TOTALS:</b>	<b>8,511,591</b>	<b>8,116,000</b>
<b>PRINCIPAL &amp; INTEREST / CAPITAL IMPROVEMENTS TOTALS</b>	<b>9,317,592</b>	<b>8,903,001</b>

# Appendix

CY2019  
GLENBARD WASTEWATER AUTHORITY EQUIPMENT REPLACEMENT FUND

FUND 40

5966	Equipment Replacement Flow Split - Total = Half of the Whole	Actual CY17 Bdgt	Approved CY18 Bdgt	Estimated CY18 Bdgt	Budgeting CY19 Bdgt
*	Glen Ellyn Flow Split - 42.56%	1,700,000	1,750,000	1,750,000	1,767,500
		769,250	777,875	777,875	752,248
*	Lombard Flow Split - 57.44%	930,750	972,125	972,125	1,015,252
	Equipment Replacement Split in Equity - Total = Half of the Whole	1,700,000	1,750,000	1,750,000	1,767,500
	Glen Ellyn Flow Split - 50%	850,000	875,000	875,000	883,750
	Lombard Flow Split - 50%	850,000	875,000	875,000	883,750
	Total	3,400,000	3,500,000	3,500,000	3,535,000

	Total Contributions	Percentage by Contribution
Total Glen Ellyn Equipment Replacement Fund Contribution:	1,652,875	46.28%
Total Lombard Equipment Replacement Fund Contribution:	1,847,125	53.72%

\* Indicates Current 5 Year Avg. Flow Split for CY2018

# **SECTION 7.0**

## **DISCUSSION**

## **SECTION 7.1**

# **FACILITY IMPROVEMENT PROJECT - UPDATE**

# FIP Project Update



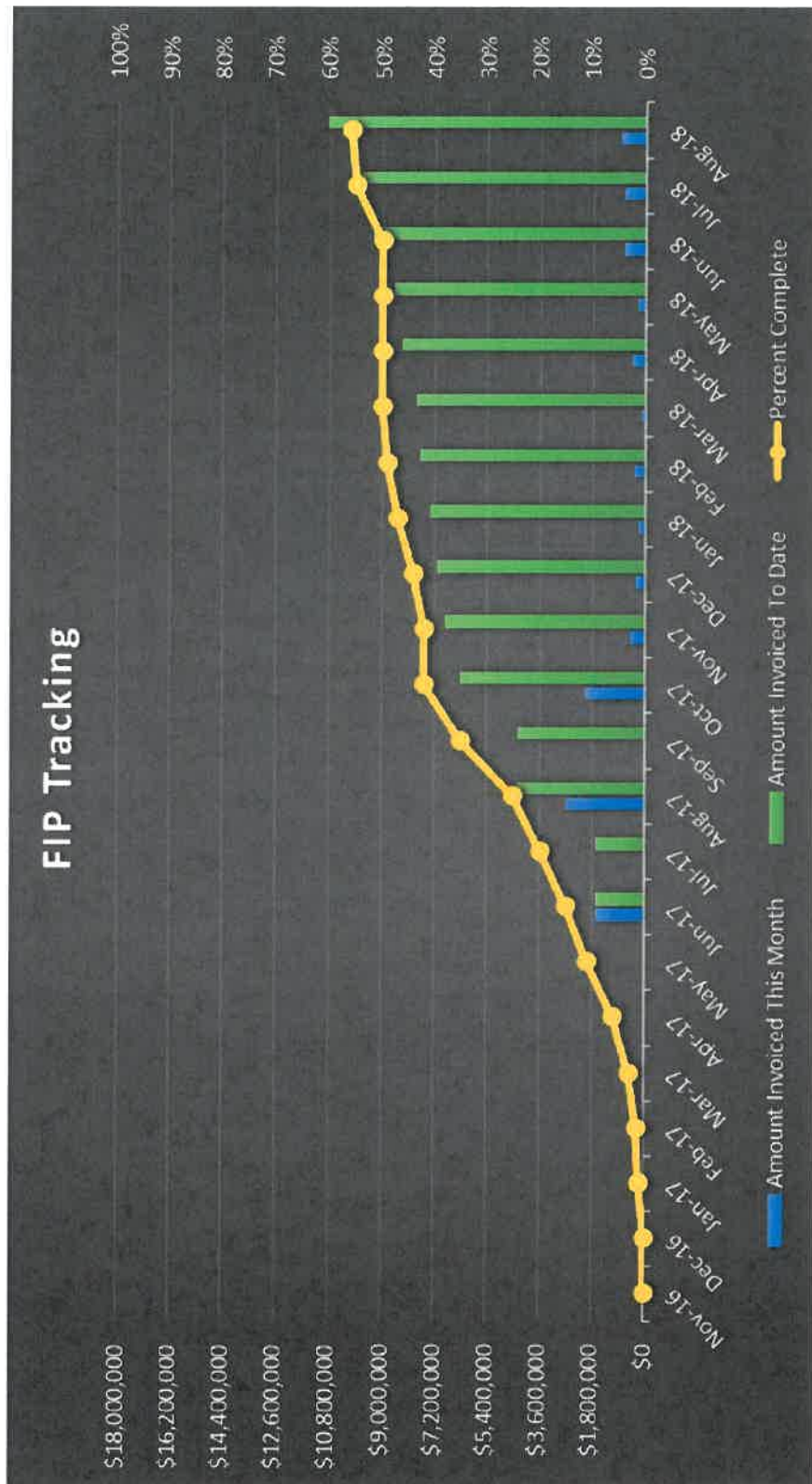
- Work Completed Since Last EOC Meeting
  - Filter Building Cleanup/Loose Ends Continues
  - Installation of Filter Building small heating units
  - ERS System – Wells installs, dewatering began
  - HVAC Work – Set units on B and L
  - 279 Submittals
  - 47 Requests for Information
- Work Anticipated Prior to Next EOC Meeting
  - Filter Building Finishing Continuation
  - Pump Station Excavation Starting







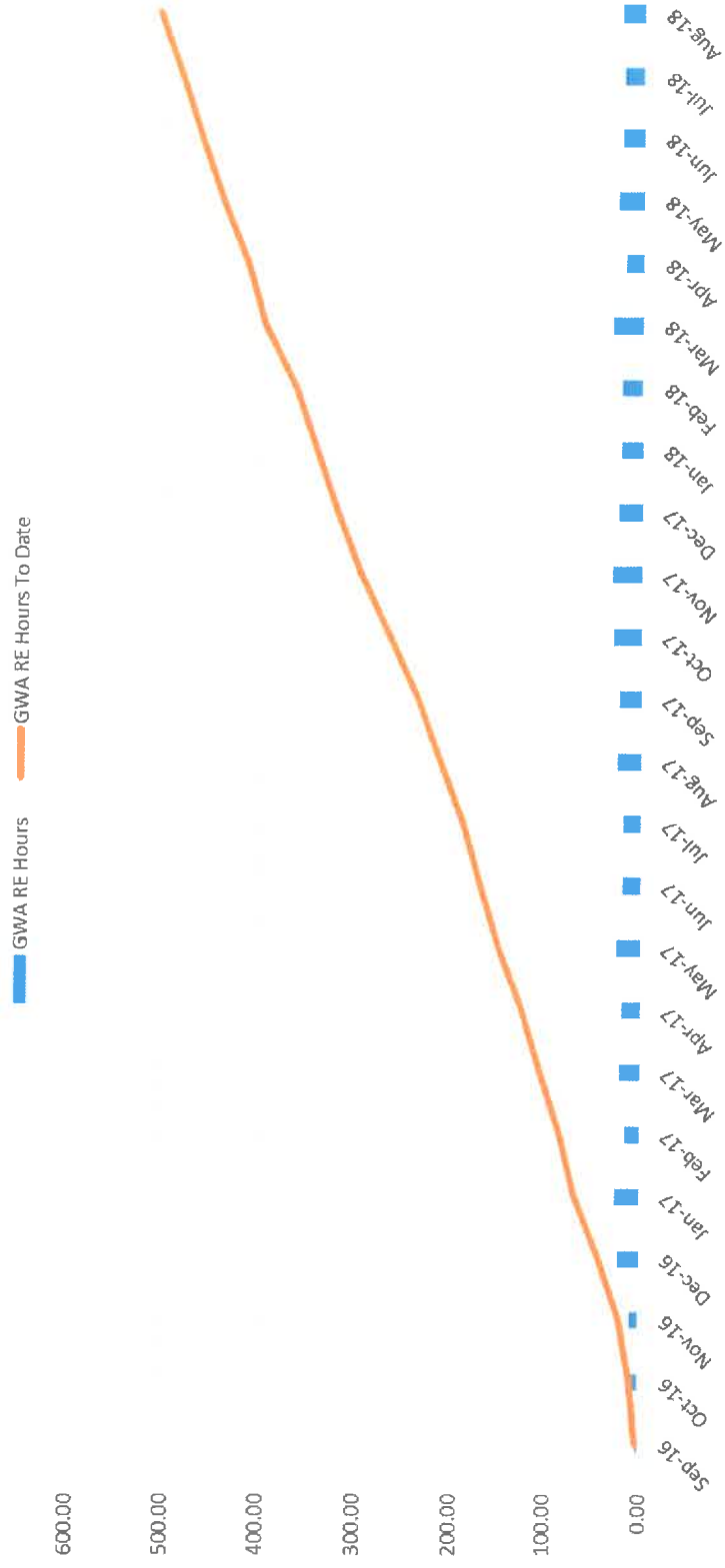
## FIP Tracking



Days Remaining Until Final Completion (11/19/2019): 433



# FIP GWA RE Tracking



**SECTION 8.0**

**OTHER BUSINESS**

## **SECTION 8.1**

# **TECHNICAL ADVISORY COMMITTEE UPDATES**



## Glenbard Wastewater Authority

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

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

September 27, 2018 2:10pm

Present: Director Goldsmith, Director Hansen, Director Streicher, Assistant Director Romza

#### 1. CY2019 Budget Review

##### a. Roof Budget Updated

*Mr. Streicher informed the TAC that Mr. Romza updated the budgetary numbers for capital roof projects, and it was inserted into the budget, which did slightly affect cash on hand numbers. GWA's roofing consultant noticed the original budget numbers were low, hence this year's budget number being too low, therefore updates were made. The revised budget was shared with the Finance directors, both of whom had no concern.*

##### b. Odor Control Capital Improvement?

*Mr. Streicher wanted to bring to light that with the dissatisfaction of the residents, the EPA being called, and the stress that's been brought upon staff – it may be wise to put in a larger scale capital improvement for an odor control solution. Although Mr. Streicher felt that a large cost solution for a handful of residents for 6-8 weeks a year is not necessary, it may be the only solution to further mitigate things from escalating. Director Goldsmith disagreed, saying the investment affects all of the rate payers, and is not fair – which Mr. Streicher agreed to, but asked that the policy makers step in and defend the Authority if that's the case. Director Goldsmith indicated the Glen Ellyn should be doing so. Director Goldsmith and Director Hansen, along with Mr. Streicher and Mr. Romza started brainstorming on other odor solutions; installing air quality monitors along the plant fence line to demonstrate the air quality during different circumstances, to pump effluent water back into the head of the plant essentially recycling flows, etc. Therefore, the TAC also asked GWA to calculate a \$/1,000 gallon treatment cost just to estimate what the costs would be to recycle the flow. Ultimately, the TAC advised GWA to insert \$225k into the capital budget for CY2020 for an odor control solution. Mr. Streicher advised it would lead to unbalanced budgets, but the TAC indicated since we are not going for approval on CY2020's budget at the moment, the imbalance would not be of any significance at this point. Mr. Streicher advised the TAC again that lowering the Village's capital contributions significantly affects the capital budget and abilities to do such projects. In the immediate, Director Goldsmith advised that the only way to get any capitol increase for odor remediation is by the issuance of a decree.*

##### c. EOC Approval 10/25/18

###### i. What to bring to EOC?

*Mr. Streicher was curious if the entire budget needed to be printed, or only the pertinent sheets, along with a bullet point summary. The TAC suggested asking the Village Managers what to bring*

#### 2. FIP Update

##### a. ERS Progress

*The contractor is nearly complete installing all the well points, and expects to begin dewatering next week. They did place small pumps in the wells in order to pump clear water into GWA's influent to assist with low flow conditions.*

##### b. Up to date with payments issued

##### c. Status of Resident Engineering Contract

*Mr. Streicher informed that there was \$30-40k left in the B and V contract, and there is likely a possibility to add additional funds next year. All Director's agreed.*

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### 3. Other Business

#### a. Complaints; odor

*Discussed during item 1b discussion*

#### b. Sunnybrook Property Discussion

##### i. Stormwater Detention Discussion

##### ii. Cost Evaluation

*Mr. Streicher updated the TAC that under the Stormwater Ordinance stormwater detention would not be needed unless we were constructing new impervious area over 25,000 sq. feet, and therefore the use of this property for stormwater detention would most likely not be needed. Mr. Romza performed a cost evaluation, as directed by the EOC, and determined the total upfront cost for the property including purchase, taxes, and demolition would be around \$400k, and ongoing maintenance of the property would be around \$1.5k/year. The TAC decided it would not be worth pursuing this property.*

#### c. Personnel

##### i. Frieders Retirement

*Mr. Streicher stated that based on discussion with the Village it made more sense to attempt to replace Ms. Frieders' position with another full-time position, while she is still employed so that cross training could be provided. Although keeping Ms. Frieders on as a part-time employee after she retires would be beneficial for the continuity of knowledge, it would be difficult to replace her with another part-time employee, and therefore best to pursue another full-time employee as soon as possible. Mr. Streicher will lay out the plan to both Village managers for their final blessing. It was also discussed that since the GWA Assistant Director position was vacant for so long, any overlap for training a new hire would not require additional funding for both salaries.*

##### ii. Part-Time Laborer

*Mr. Streicher informed the TAC that the Part-Time Laborer position advertisement is open until the end of next week, and that we've only received a couple of applicants worth interviewing. More to follow as time progresses*

##### iii. Annual Reviews

*Mr. Streicher informed the TAC that GWA is undergoing its annual review process. Director Hansen reminded Mr. Streicher that S.M.A.R.T. goals should be incorporated.*

#### d. Cell Tower Proposal

*Mr. Streicher informed the TAC that the amendment to the lease agreement is in the hands of the Village of Glen Ellyn's Community Development director, and that GWA's attorney has provided a review*

#### e. Phone System Proposal

*Mr. Streicher informed the TAC that although he does not have cost information in hand at the moment, GWA plans to bring a recommendation for approval for a new telephone system to the 10/25/18 EOC meeting. The new system will be purchased through the NJPA, but the Electrical Superintendent will still provide comparative pricing for due diligence. Director Hansen asked if GWA has spoken with the Village's IT staff; Mr. Streicher indicated they have.*

#### f. Gate Repair

*Mr. Streicher informed the TAC that the leachate hauler, MBI, was involved in an incident that damaged the West gate in late August. The Authority has not repaired the gate and has pursued MBI for the repair. MBI did their own investigation and believes they are not at fault, and therefore refused to pay, so Mr. Streicher has suspended their access to the facility to deliver leachate until an agreement has been made.*

#### g. E-Manifesting

*Mr. Streicher had previously informed the TAC that due to a new USEPA ruling, we would have to electronically manifest leachate deliveries because Illinois requires their manifests to be done on hazardous waste manifest forms, even though they are not hazardous waste. Each manifest would cost the Authority approximately \$6.50, which the Authority would in turn invoice the leachate companies for. The Illinois Association of Wastewater Agencies had inquired with IEPA in regards to this issue, and was able to have IEPA make an emergency ruling to except leachate from the manifesting rule, but we will have to file e-manifests for any deliveries between June 30-Sept 30 2018. ERC Frieders took the task upon herself and has completed the filing of all of the manifests.*



## Glenbard Wastewater Authority

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#### 4. Old Business

##### a. Pretreatment Ordinance Status/Village of Glen Ellyn FOG

*Director Goldsmith informed the TAC that the original pre-treatment ordinance that was "pre-approved" by the USEPA was not applicable to the Village's, and was more written for a Sanitary District, and therefore the Village's attorney revised the document significantly. Mr. Streicher stated that since the document was revised so heavily, the USEPA was taking a longer time to review it, but was still going to provide feedback. ERC Frieders had stated previously that since each Village has already passed a FOG ordinance, there is not as big of a concern in getting new pre-treatment ordinances passed, since each Village already does have a pre-treatment ordinance – so the intent is there, the existing ordinances are just slightly out of date with some language. Therefore, there is no sense of urgency on this item, and we will just address the comments when USEPA returns them.*

##### b. CHP Status

*Mr. Streicher informed the TAC that the CHP's have been operating as intended and their use has been steadily increasing. Director Hansen reminded Mr. Streicher to keep including the CHP reports in the EOC Directors reports.*

##### c. Forest Preserve County of DuPage Easement Leases

*Director Hansen stated that the ball is still in Glen Ellyn's court, in that they need to submit survey plans to the Forest Preserve showing where GWA's sewer lies within the Forest Preserve's easement. After the surveys are submitted, the Forest Preserve will determine the cost to renew the easement agreements. Director Hansen also mentioned that the Village is in the middle of negotiations with the Forest Preserve to dedicate Village land to the Forest Preserve. Mr. Streicher asked the possibility of a "swap" between giving the Forest Preserve the land for free, in exchange for no fee's for renewing the easement agreements for GWA's interceptor.*

##### d. Discussion pertaining to future development of IGA Language for

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

- i. VGE – Chidester vs St. Charles Rd. Lift Station
- ii. VOL – L22 vs Junction Chamber
- iii. CSO Regulators and lines between the regulators to the facility
- iv. Any others that can be added

*Mr. Streicher noted that this item has been on the agenda for a long time, and brought Mr. Romza up to speed on this topic. It appears all parties agree that ownership/responsibility transfers between agencies at the point of penetration into GWA's interceptors, lift stations, or property. Director Goldsmith stated he intends to discuss this further with Lombard's GIS Technician so that a map can be developed and amended into the IGA between the Village's so that there is clear definition on whose responsibility certain assets are, and where the boundaries lie.*

Meeting adjourned at 3:45pm





## 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, 2018 9:00 am

Present: Director Goldsmith, Director Hansen, Director Streicher, Assistant Director Romza

#### 1. CY2019 Budget Review

##### a. EOC Approval

##### i. Odor Control Solution

*Mr. Streicher informed the TAC that he added in a budgetary number of \$250k to the 2020 budget for odor control solutions. Mr. Streicher also informed that this number would use all the cash on hand for that year, but the Finance Directors were not worried about that at the moment. Director Goldsmith and Hansen both had no concern.*

##### ii. Revised Estimated 2018 Costs

*Director Streicher informed the TAC that the only costs revised were an extra ESRI license for Mr. Romza, the roofing budget has been updated, projected merit increases were raised from 2.25% to 2.75% per the direction of Village of Glen Ellyn Finance, and the estimated 2018 expenses were updated. There were no issues from any member.*

#### 2. FIP Update

##### a. ERS Progress

*Mr. Romza informed that the contractor is expecting to start digging inside the ERS this week. The dewatering system has been approved by HBK and Boller is waiting for Hummel to begin digging. Mr. Romza also informed TAC that the dewatering will likely begin discharging to the river starting Friday 10/19/18. Mr. Streicher stated that he did inform Maureen Brehmer at the IEPA.*

##### b. NPDES Stormwater Permit

*Director Streicher informed the TAC that the application for stormwater permits have been submitted to IEPA, included the SWPP form, which Mr. Streicher is not confident will be accepted. Mr. Streicher informed the TAC that Dave Gorman from the Village of Lombard has performed an inspection of soil erosion control measures, and gave direction to Mr. Streicher on what should be submitted to the EPA for the NOI and SWPPP. All members were satisfied to this point and will be updated when EPA reviews the documents.*

#### 3. Other Business

##### a. HVAC Design Update

*Director Streicher informed the TAC that he has not gotten much from the consultant on the HVAC design lately and it is not likely to go to bid in November of 2018 as he previously hoped.*

##### b. Electrical Grid Design Update

*Mr. Romza informed the TAC that the 30% drawings were received and reviewed with the client on 10/16/2018. Mr. Romza said that Rick Freeman has been doing a great job directing the consultant on the design but again, the bid is not expected to go out in November of 2018 as previously hoped.*

##### c. Roof Rehab Update

*Mr. Romza informed the TAC that roof replacement has begun on building T with completion expected at the end of this week. Building P roof replacement is expected to begin next week with the goal of finishing by the end of October remaining a possibility. Mr. Romza and Mr. Streicher informed the TAC that a public notice (e-blast and website posting) was sent out warning residents of possible odors related to the asphaltting of the roofs as a proactive measure. The notification also brought to light that since the rains in early October, odors related to the low-flow conditions have significantly subsided.*

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d. Facility Plan Update

*Director Streicher informed the TAC that the Facility Plan is still being worked on by Trotter, but they will submit an interim report with the focus on odor remediation. The draft of the odor section is expected to be delivered by November 1<sup>st</sup>. The odor section will be re-inserted into the overall facility plan once that is submitted, which is expected to be sometime in December. Director Goldsmith and Director Hansen were pleased with this and are looking forward to the results.*

e. Odor Discussion

i. Cost per 1,000 gallon treated = \$0.89 (average for past 3 years)

*Director Streicher informed the TAC of the method for obtaining the \$0.89/1000 gallons treated. This led to a conversation about dilution of the influent flow during low flow periods. Mr. Romza informed the TAC that the dewatering system of the ERS is currently discharging into the head of the plant. The discussion went to how we can use effluent or river water to do this when the construction is completed. Director Hansen and Director Streicher discussed how the paperwork and permits for drawing out of the river would be endless, Mr. Romza thought that maybe pulling treated water just before the tertiary treatment could be a solution. Mr. Streicher said that the most water that can be drawn with our current 8" pump is about 1 MGD, Mr. Hansen discussed the Authority purchasing an additional 8" pump to increase the amount of water that can be drawn to dilute the low flow. Mr. Hansen said that even at \$80k, an additional pump sounds worth the cost.*

*Director Goldsmith brought up the need for an SOP being in place when influent flows get below a threshold. Director Streicher said that we do have an SOP that includes increasing the potency of the ecosorb system and shutting off fans overnight. Director Goldsmith said that is fine, but it should be documented. Director Hansen agreed, but GWA should have Trotter write the SOP. Mr. Streicher mentioned that is not part of their scope, but would be discussed.*

*Director Goldsmith then brought up GWA hosting an open house for the neighborhood to understand the processes and reasons for the odors. All attendees agreed. Mr. Streicher pointed out that the current state of the construction may not be suitable to have neighbors exploring the plant, Director Goldsmith said that might be beneficial in showing the efforts GWA is doing to improve processes. All agreed to host an Open House on a Saturday in the Spring. The TAC decided that any money that would be needed for such an open house could be absorbed into the budget that is being proposed, and that no modifications would need to be made to the draft budget that is about to be presented to the EOC. In addition, Director Goldsmith recommended posting a process pamphlet on the website to help in explaining the complexities of treating wastewater.*

f. 1S641 Sunnybrook Requests

*Director Streicher informed the TAC that the resident at 1S641 Sunnybrook was asking the Authority to clean up some dead branches overhanging the shared fence, some hanging barbed wire, and some erosion from stormwater runoff. GWA asked that the forestry division at Glen help with the branches and Director Hansen agreed. Mr. Streicher informed that GWA will get estimates for the fence repair and will have to think about the erosion over the next few weeks.*

g. Property Acquisition Discussion

*Upon discussion with the resident at 1S641 Sunnybrook, Mr. Streicher was informed that the property owner was thinking of selling in the near future. Mr. Romza informed TAC that acquiring the property would be in the realm of \$500k. Director Hansen and Goldsmith both emphasized the interest in acquiring the property with emphasis on the fact that GWA shares significant border on the North end with 1S641. Director Goldsmith suggested that GWA gets the property appraised and obtains a right of refusal should the owner decide to sell. All attendees agreed, and proposed this be discussed further at a closed session EOC meeting, where further direction will be given by the EOC.*

h. Personnel

i. Frieders Retirement/Job Posting



## Glenbard Wastewater Authority

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

*Director Streicher informed the TAC that the position of Environmental Resources Coordinator is posted but there have been no submissions yet. Should this round of posting for the position not turn up any good candidates, Mr. Streicher suggested that Ms. Frieders be kept on part time for as long as possible. All agreed.*

ii. Part-Time Laborer

*Mr. Romza informed the TAC that interviews have been completed for the position of part-time laborer. He expressed concern in any of the applicants staying for an extended period of time, but thought one of the candidates did stand out as a fit. All felt good about the candidate.*

iii. Annual Reviews

*Mr. Streicher informed the TAC that annual reviews are almost complete. Director Hansen and Director Goldsmith got into a conversation about the merit and CoLa raises of Lombard's Union and non-union employees.*

i. Cell Tower Proposal

*Director Hansen said that Glen Ellyn is reviewing the proposal and it looks good so far. Mr. Streicher informed the TAC that the Village of Glen Ellyn returned comments to Tower Co, and that they are proposing a higher lease rate than what was suggested. Mr. Streicher stated that the reason for discrepancy is that it was written that T-Mobile would be paying less than Verizon, and they are trying to get them to pay the same. Director Goldsmith stated that per the IGA, all revenue from the cell tower does go straight to GWA. EoC will have to approve the TowerCo contract.*

j. Phone System Proposal

*Director Streicher informed that Rick Freeman had done a very diligent job in getting quotes and making sure that GWA will be getting the best system available. GWA would like to use a quote that was not low-bid due to the better technology offered by MiTel than Shortel. All Agreed.*

k. Gate Repair

*Director Streicher informed the TAC that the Leachate delivery ban has been lifted because Waste Management has stepped in to mediate and pay for some of the damage to the gate. If a solution has not been reached by November 28<sup>th</sup>, 2018, the ban will be reinstated. All agreed.*

*At this time, Director Hansen had to leave the TAC meeting for another engagement.*

l. IGA's between VOG & DuPage County/ILAM

*Director Streicher informed the TAC that he is working on the IGA between VOG and DuPage. It has been expired for some time, but went un-noticed. When the DuPage IGA was being looked at, it was also noticed that the ILAM IGA was also expired. Mr. Streicher is renewing the IGA as part of his KPIs.*

m. Annual Wage and Merit Increase

*This was discussed previously in 3.H.iii.*

4. Old Business

a. Pretreatment Ordinance Status/Village of Glen Ellyn FOG

*The ordinance is still being reviewed by the USEPA at this time, and will be discussed further once comments are returned.*

b. Forest Preserve County of DuPage Easement Leases

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*Mr. Streicher informed the TAC that it still would be very beneficial if Glen Ellyn could work out a property swap with the Forest Preserve for the parcel of land near Maryknoll that the Forest Preserve wants, in exchange for reduced costs/no costs for renewing the NRI easement.*

- c. Discussion pertaining to future development of IA Language for GWA interceptor vs. Village's Collection System start and stop points.
  - i. VGE – Chidster 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 other that can be added

*Discussion continues in that ownership boundaries need to be included in the IGA. Mr. Streicher has provided both Villages with GIS maps showing what GWA maintains, and what it would expect the member Villages to maintain.*

*Meeting adjourned at 10:30 am*

## **SECITON 8.2**

### **PENDING AGENDA ITEMS**



## Glenbard Wastewater Authority

21W551 Bemis Road Glen Ellyn, Illinois 60137

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

### *2018 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 Design Engineering	\$250,000	March	UNDERWAY
Facility Plan/Odor Control Study	\$150,000	April	UNDERWAY
Roof Rehabilitation	\$75,000	September	COMPLETED
<b>Infrastructure Improvement</b>			
Telephone System Replacement	\$40,000	October	PROPOSED
UV Building AHU Replacement	\$40,000	April (Under \$20,000, No EOC Approval Needed)	COMPLETED
SCADA & LAN Server, Firewall Replacement	\$80,000	June	COMPLETED
Plant Fiber Testing & Repairs	\$30,000	Next Year	
HSW Improvements Modifications	\$25,000	Next Year	
<b>Equipment Rehabilitation</b>			
Admin. Chiller, Coil, Air Handler, & Duct Design	\$75,000	June	UNDERWAY
Digester Cleaning	\$65,000	March	COMPLETED
CHP Siloxane and Hydrogen Sulfide Media Replacement	\$75,000	August	COMPLETED
Moyno Pumps (10) Spare Parts	\$25,000	As Needed	UNDERWAY
Televising & Cleaning NRI & SRI	\$100,000	June	COMPLETED

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## Glenbard Wastewater Authority

21W551 Bemis Road Glen Ellyn, Illinois 60137

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Gravity Thickener Bridge & Mechanism Painting	\$40,000	Next Year	
CSO Grit Chamber Rehabilitation	\$30,000	August-October (Under \$20,000, No EOC Approval Needed)	UNDERWAY
SRI Pump Station Concrete Lining	\$50,000	Next Year	
<b>Rolling Stock</b>			
*Godwin 4" Trailer Mounted Pump	\$24,000	June	COMPLETED
<b>Administrative</b>			
Forest Preserve Land Swap & Surveying Costs	\$150,000	March	COMPLETED
Pretreatment Ordinance Recommendation	-----	???	Under USEPA Review

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## **SECITON 8.3**

**ANNUAL FULL BOARD  
MEETING – THURSDAY,  
NOVEMBER 15, 2018 AT  
6:00 P.M. IN THE  
LORRAINE G. GERHARDT  
COMMUNITY ROOM,  
LOMBARD VILLAGE  
HALL  
255 E. WILSON AVENUE  
LOMBARD, ILLINOIS**

**SECTION 9.0**

**NEXT EOC MEETING**

**THURSDAY**

**DECEMBER 13, 2018**

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