

GLENBARD WASTEWATER AUTHORITY

Executive Oversight Committee

Agenda

June 13, 2019

8:00 a.m.

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

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

Motion the EOC to approve the following items including Payroll and Vouchers the months of April 2019 and May 2019 totaling \$2,182,662.09 (Trustee Christianson).

- 5.1 Executive Oversight Committee Meeting Minutes:
April 11, 2019 EOC Meeting
- 5.2 Vouchers Previously Reviewed by: Trustee Christianson
April 2019
May 2019
- 5.3 Polymer Supplier Approval

The Authority uses a polymer to help coagulate digested sludge during the dewatering process, as is typical in wastewater treatment. The purpose of the polymer is to help yield greater percent solids in the biosolids materials, and therefore relieves significant hauling costs. Since the amount of polymer used is dependent on how much sludge is produced, the quality of the sludge, as well as the amount of sludge dewatered – pricing for polymer is obtained on a dollar per pound basis. Approximately \$20,000-\$40,000 of polymer is used per year, and is budgeted for appropriately in the “270-530440 Chemicals” budget line.

The Operations Staff would like to request purchasing polymer from Polydyne at a cost of \$1.13 per pound from our current polymer supplier Polydyne. We have used Polydyne for years without any major issues of their product or delivery services.

6. 2018 Facility Plan Study Presentation

Trotter & Associates, Inc. (TAI) was selected to perform the 2018 Facility Plan and worked on its development throughout the 2018 calendar year. Due to a shift in the scope during the summer of 2018 to focus on odor control, the overall study duration was extended, and was completed in early 2019.

Attached is an executive summary of the Facility Plan provided by TAI, along with a power point presentation going over the report.

7. Admin HVAC Construction Contract

The Authorities present HVAC system/equipment consists primarily of two main air handlers (one supply, one return), an inline electric duct heater which tempers the fresh air supply and provides additional heat during colder periods, an outdoor redundant reciprocal chiller package with interior located glycol cooling coil, variable air volume's (VAV's) & electric baseboard heaters controlled by pneumatic thermostats located in each office, along with numerous exhaust fans. The existing control system is pneumatic and requires manual intervention for seasonal changes with no external alarming or control. Outside of the chiller package and duct heater, which were replaced in 1994, the remainder of the equipment has been in operation since the 1977 plant improvement. Although the HVAC system in place is not in extreme imminent danger of failing, it is beyond its predicted life and would become an emergency if it fails. This design work evaluated different types of technology to replace the existing system with, taking into account any return on investment by using more "green" methods. The complete design took nearly a year to complete, and had an engineer's estimate of \$1.35M.

The Authority held a public bid opening May 24, 2019 at 1pm for the construction contract. Two sets of bids were submitted, with a low bid of \$998,000, submitted by Amber Mechanical, Inc. Please see the attached bid tabulation for a full list of bidders and amounts. The Authority's consultant reviewed the bid proposal and reference checks were made. The engineers estimate for this project was \$1.247M.

Therefore, after discussion with the TAC, it is recommended the EOC award Amber Mechanical, Inc. the 2019 Administration Building HVAC Rehabilitation Construction in the amount not to exceed **\$998,000**. If approved, this amount will be taken out of the designated amount in CY2019 Approved Budget, Fund 40 580180 Capital Improvements Projects, which is currently budgeted at \$1,000,000.

8. Admin HVAC Construction Engineering Contract

In February 2018 Authority staff developed and sent out a request for qualifications and technical proposals to our six shortlisted professional consulting firms for the 2018 Administration Building HVAC Rehabilitation Design. The proposals were received and Strand Associates Inc. was selected for this project. This design was recently completed,

and in a previous EOC agenda item, the Authority requested approval of the construction contract.

Due to the anticipated award of the construction contract, a proposal for construction engineering was requested from Strand Associates Inc. As stated in the Authority's professional engineering services policy, since Strand Associates Inc. provided satisfactory work in design (Phase 1), a request for a proposal for construction engineering services was sent only to Strand. Through negotiations, the Authority was able to agree on a scope of services that reduced the cost of the contract from approximately \$125,000 down to \$64,000, which is 4.7% of the estimated construction cost.

Therefore, after discussion with the TAC, it is recommended the EOC approve the amendment with Strand Associates, Inc. to increase the Administration Building HVAC Rehabilitation Engineering Contract **\$64,000** to include Construction Engineering. The amendment increases the overall contract from \$107,000 to \$171,000, and extends its anticipated completion to June 20, 2020. If approved, this amount will be taken out of the designated amount in CY2019 Approved Budget, Fund 40 580180 Capital Improvements Projects, which is currently budgeted at \$1,000,000.

9. Discussion

- 9.1 Facility Improvement Project Update
- 9.2 High Strength Waste Tipping Fees
- 9.3 June 1, 2019 Open House Report

10. Other Business

- 10.1 Technical Advisory Committee Updates
- 10.2 Pending Agenda Items

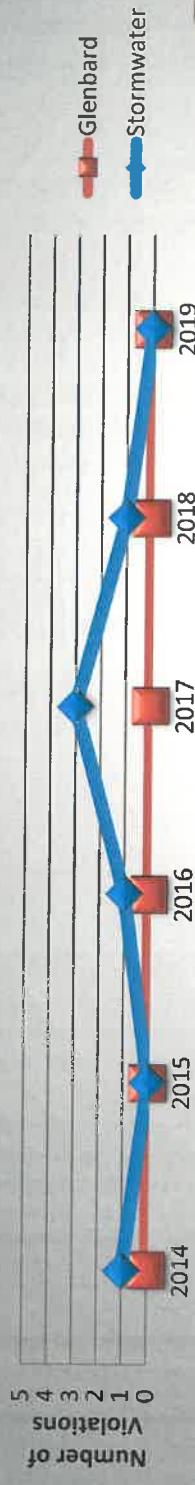
11. ***Next EOC Meeting – The next regularly scheduled EOC Meeting is set for Thursday, July 11, 2019 at 8:00 a.m. in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137.***

12. 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

2307 Days February 4, 2013 through May 31, 2019

Previous excursion free operating record:

1058 Days September 8, 2007 – April 10, 2010

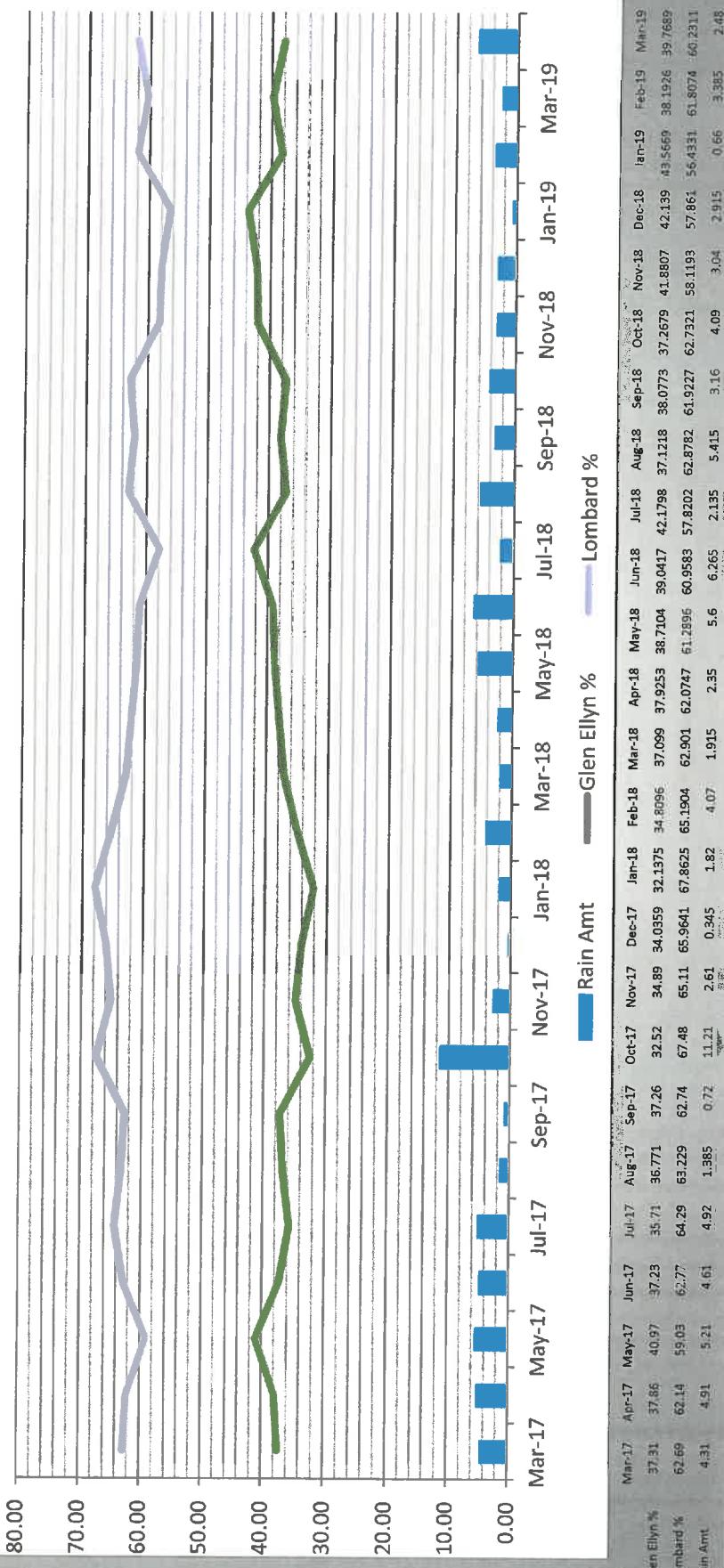
Stormwater Facility:

411 Days April 15, 2018 through May 31, 2019

Current excursion free operating record:

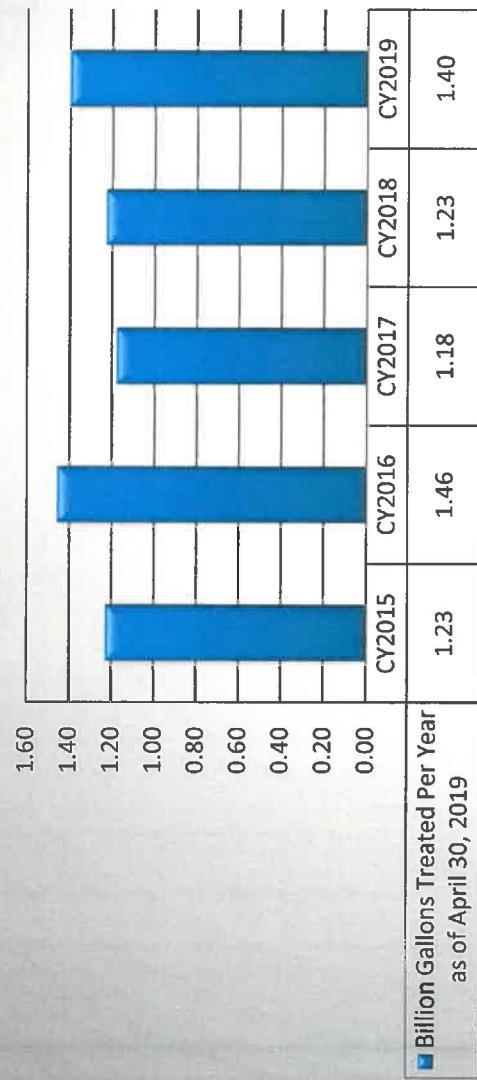
1140 Days July 11, 2009 through August 27, 2012

Flow Billing Comparison

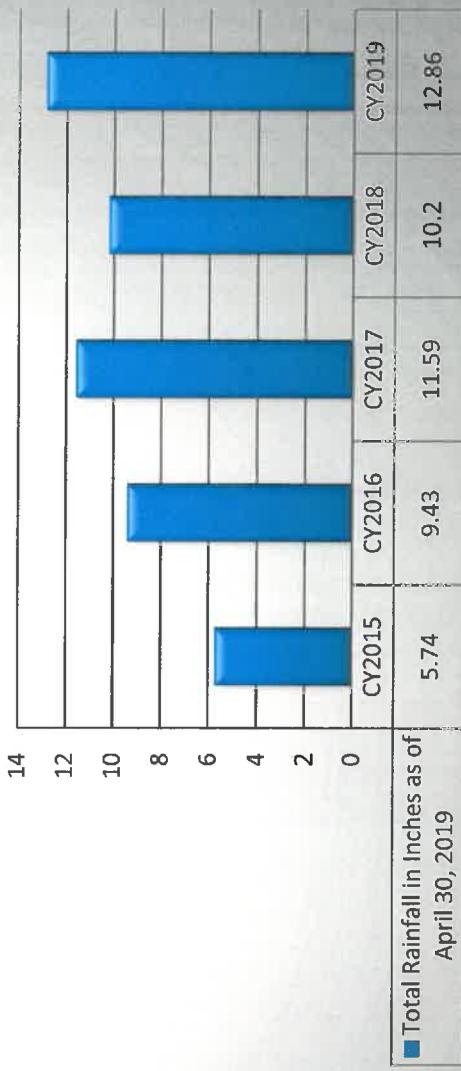




Billion Gallons Treated Per Year as of April 30, 2019



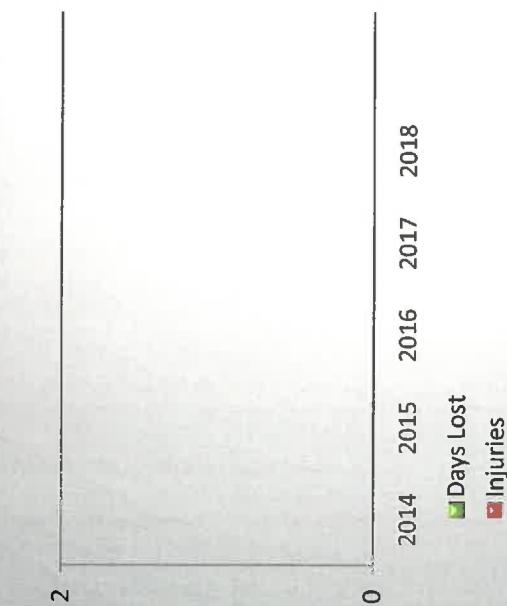
Total Rainfall in Inches as of April 30, 2019



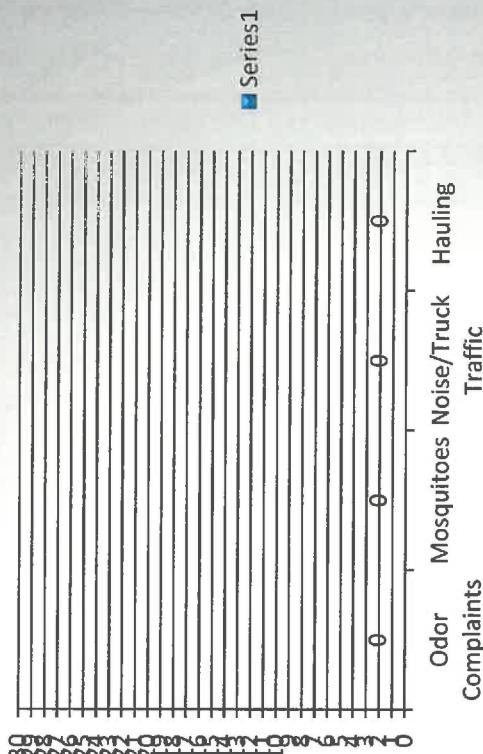


The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts

Injuries + Lost Time



May 2019 Complaints

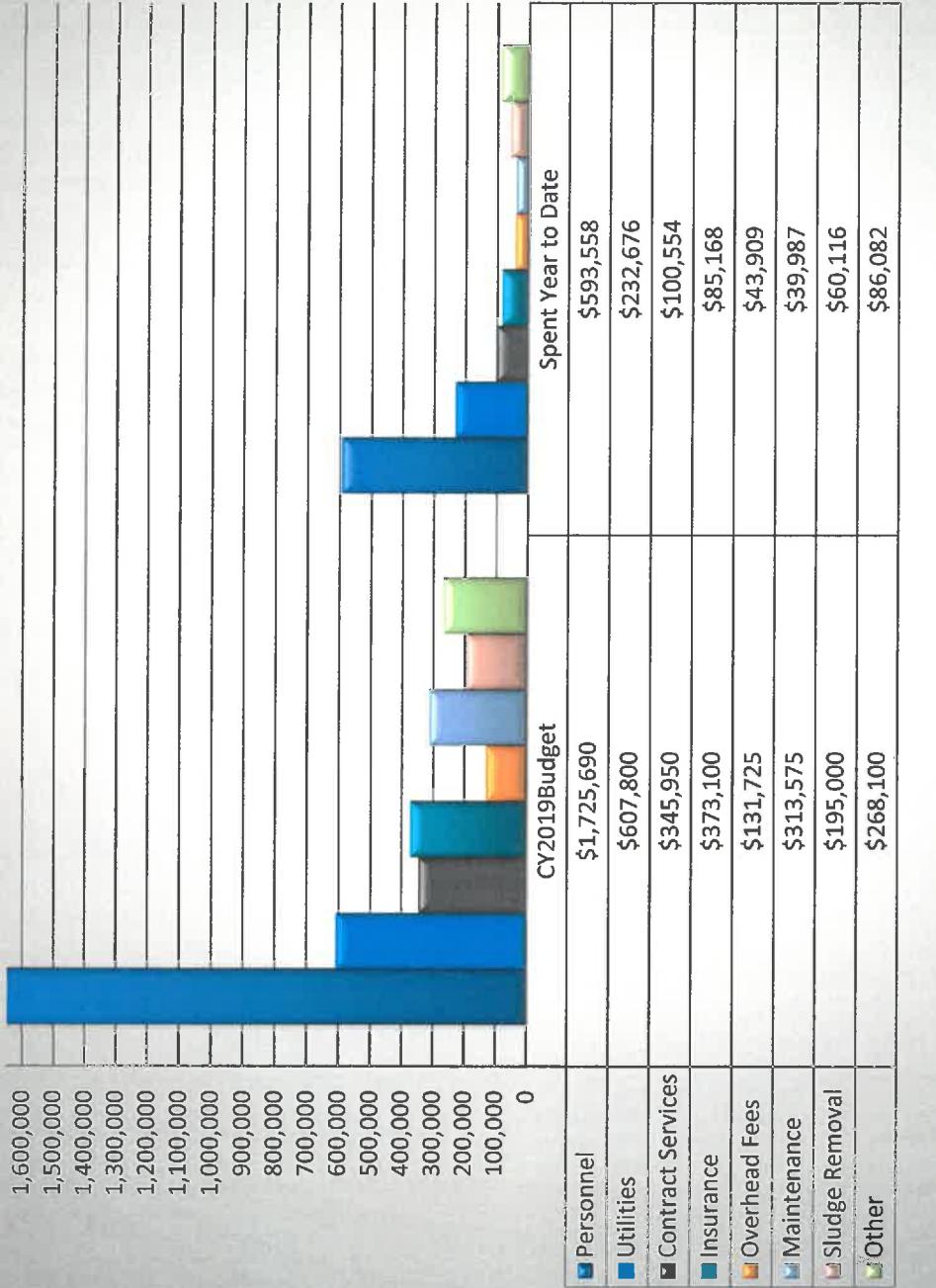


Annual Complaint Comparison





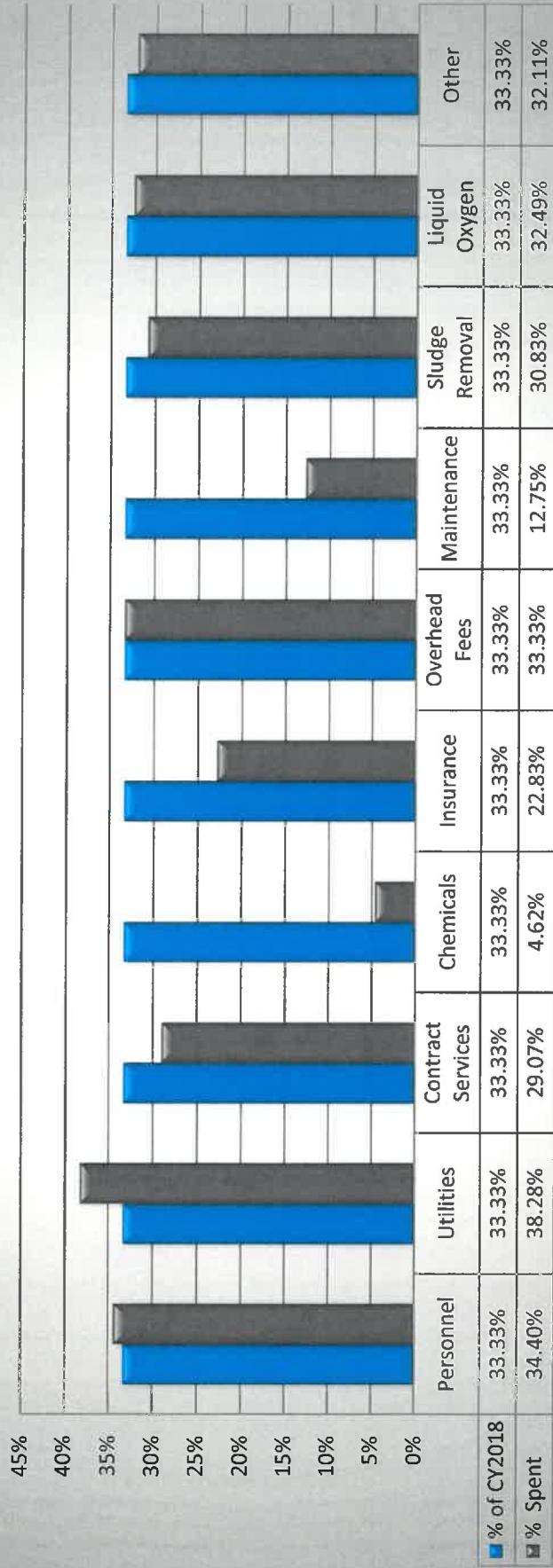
April 2019 O&M Expense \$ Reporting



	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
CY2019 Budget	\$1,725,690	\$607,800	\$345,950	\$140,000	\$373,100	\$131,725	\$313,575	\$195,000	\$345,000	\$268,100
Spent Year to Date	\$273,415	\$127,210	\$60,841	\$6,298	\$37,852	\$21,954	\$15,997	\$30,856	\$50,420	\$23,345
% of CY2018	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%
% Spent	15.84%	20.93%	17.59%	4.50%	10.15%	16.67%	5.10%	15.82%	14.61%	8.71%

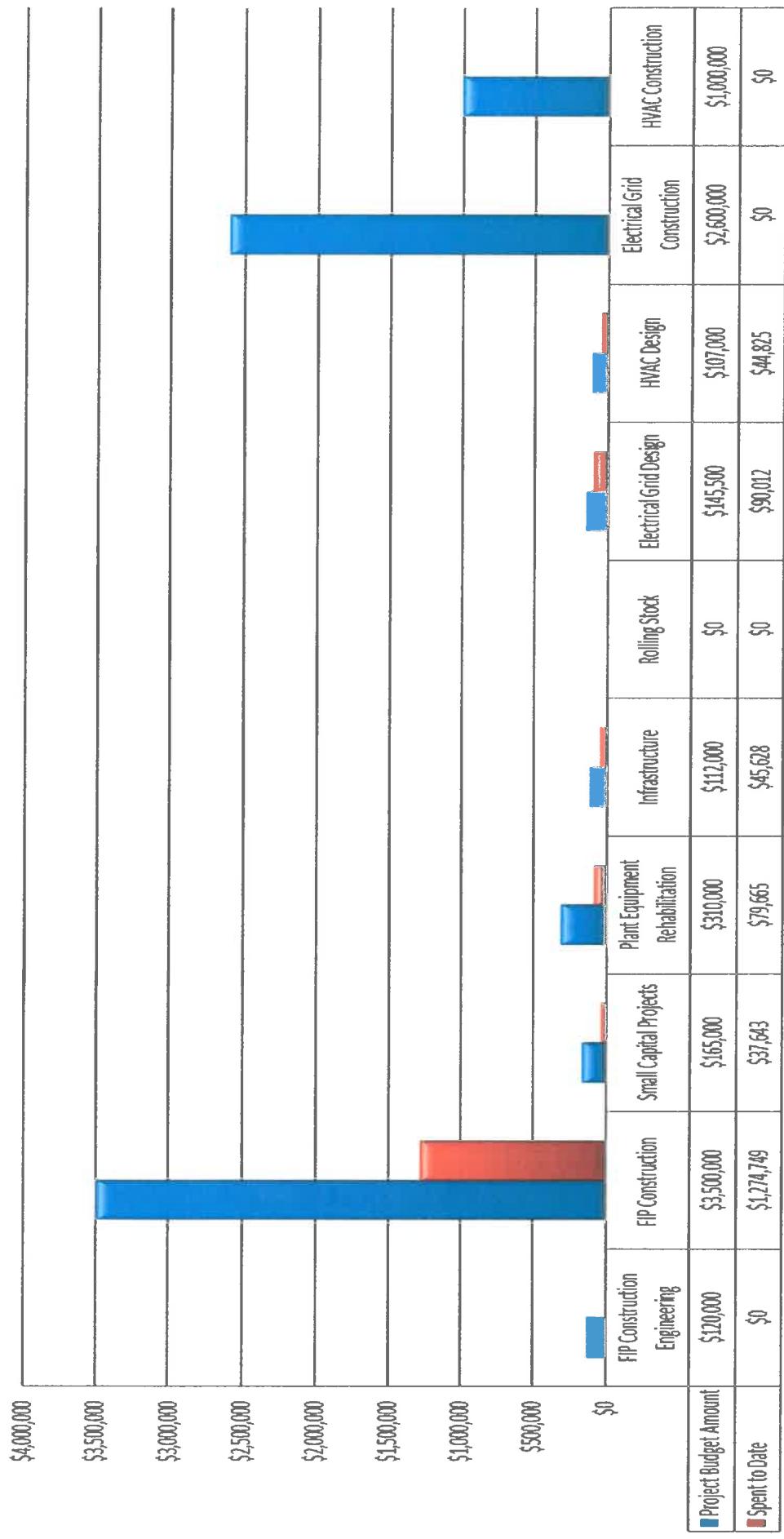


April 2019 O&M Expense % Reporting





April 2019 Project Updates



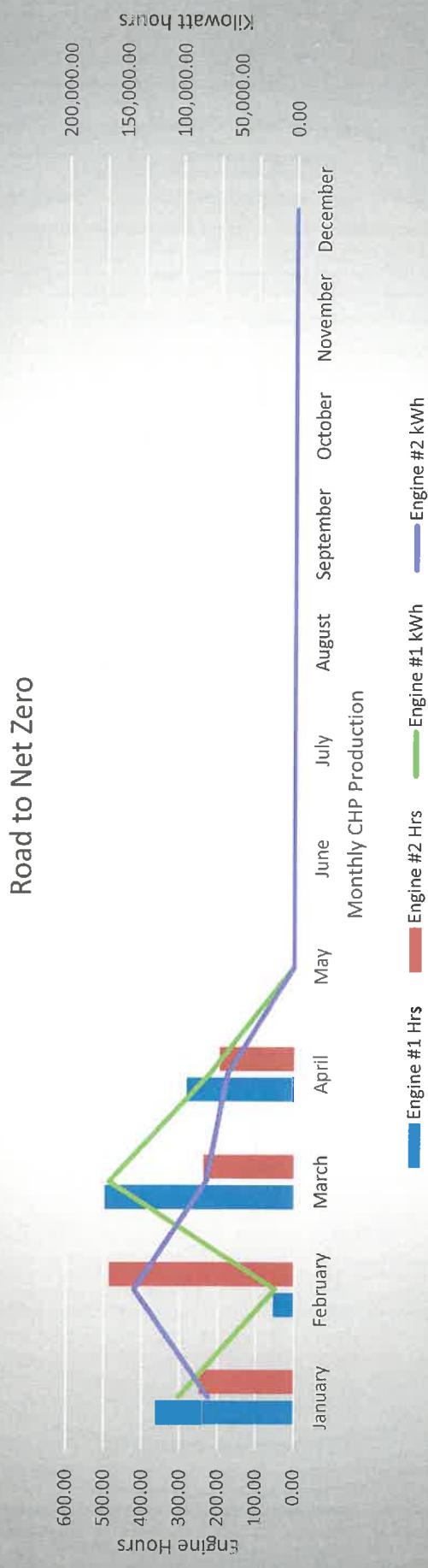


April 2019 Project Updates

Description	Project Budget Amount	Spent to Date	October Updates
FIP Construction Engineering	\$120,000	\$0	Through May 15, 2019 (No Contract Yet)
FIP Construction	\$3,500,000	\$1,274,749	Through May 15, 2019 (Only \$660,174 paid out)
Small Capital Projects	\$165,000	\$37,643	Through May 15, 2019
Plant Equipment Rehabilitation	\$310,000	\$79,665	Through May 15, 2019
Infrastructure	\$112,000	\$45,628	Through May 15, 2019
Rolling Stock	\$0	\$0	Through May 15, 2019
Electrical Grid Design	\$145,500	\$90,012	Through May 15, 2019 (\$250K budgeted)
HVAC Design	\$107,000	\$44,825	Through May 15, 2019 (\$75K budgeted)
Electrical Grid Construction	\$2,600,000	\$0	Through May 15, 2019
HVAC Construction	\$1,000,000	\$0	Through May 15, 2019



Combined Heat & Power Production Report



Monthly CHP Production 2019 = \$0.06/kWh

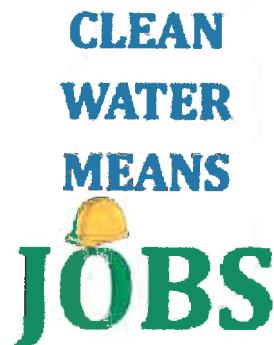
	Engine #1 Hrs	Engine #1 Avail Hrs	Engine #2 Hrs	Engine #2 Avail Hrs	Engine #1 kWh	Engine #1 Avail kWh	Engine #2 kWh	Engine #2 Avail kWh	\$ Saved
January	360.50	744	247.80	744	100,844.00	279,000	74,967.00	279,000	\$10,649.60
February	53.50	672	486.79	672	16,171.00	252,000	140,195.00	252,000	\$9,472.73
March	498.20	744	237.80	744	162,414.00	279,000	77,345.00	279,000	\$14,523.19
April	283.90	720	195.80	720	74,474.00	270,000	58,501.60	270,000	\$8,054.88

Return on Investment Monetary Breakdown



Clean Water For All — A Capital Priority

Water infrastructure upgrades are badly needed to protect our rivers and lakes from pollutants and to ensure clean drinking water for all. Towns big and small, throughout Illinois, need to modernize their wastewater infrastructure and reduce nutrient pollution. Our agricultural producers need assistance to install infrastructure to reduce nutrient loss from Illinois farmland into our water supply. A capital bill is a major opportunity to leverage local investments in clean water that will create jobs across Illinois.



Critical Nutrient Capture Upgrades Needed

The Illinois Nutrient Loss Reduction Strategy calls for 45% reductions in phosphorus and nitrate inputs to protect our waterways. To achieve this goal will require substantial upgrades at wastewater treatment facilities throughout the state and the installation of nutrient capture practices on farmland.

Wastewater Phosphorus Removal Needs- \$2 Billion Need

The 2015 Strategy estimates at least a \$2 billion need to retrofit all major wastewater facilities in Illinois (plants that daily treat one million gallons or more of wastewater) to remove phosphorus to a limit of 1.0 mg/L. There are more than 200 plants in this category and 80 of them serve populations of an estimated 20,000 people or less. These improvement costs will strain available SRF funding and cause significant user rate increases in many areas without any other source of funding.



Nutrient Capture Practices on Farmland- \$2 Billion Need

The 2015 Strategy also identifies practices to reduce nutrient loss from Illinois farmland. These include both cropping and fertilizing adaptations and the installation of nutrient capture practices. Like the wastewater facility upgrade needs, the capital necessary to install needed practices such as buffers, bioreactors, constructed wetlands is in the billions. Cost-share funding from the Illinois Department of Agriculture distributed through Soil and Water Conservation Districts throughout the state would advance the adoption of these needed practices.

Dam Removal Can Reduce Nutrient Removal Costs- \$21 Million Need

Dams that no longer serve their original purpose remain in place on many rivers throughout the state. The still pool of water created by the dam provides ideal habitat for algae, fed by excess nutrients in the water, to grow. Free-flowing rivers can tolerate a higher level of nutrients than impoundments. Removing unneeded dams from our waterways can reduce the need for wastewater treatment plants to have to reduce their nutrient outputs to very low and expensive levels. Removing dangerous dams also eliminates a significant safety hazard and improves recreational access and fish habitat on our rivers.

Many Unsewered Areas Need Centralized Treatment- \$354 million need

Throughout Illinois, there are an estimated 35,000 homes that use septic systems. Often these systems are older and can fail. The cost to the homeowner can be financially crippling. If left unaddressed, pollutants often find their way into waterways or even into the groundwater the homeowners use for drinking water. Sewering these unserved areas would reduce potential pollutant discharges. The costs to sewer these homes is estimated at \$354 million, with \$50 million needed for the locations with the highest public health and environmental impacts.

Regionalization Can Improve Water Quality- \$133 million need

Regionalization occurs when a wastewater facility enters into an agreement with neighboring communities, private businesses, and unsewered properties to provide service. Smaller villages often struggle with environmental compliance and high cost of service. The creation of a Regionalization Grant Program that incentivizes elimination of at least one publicly owned discharge or the extension of service to an unsewered area would benefit all of Illinois and its waterways. The IAWA has identified a preliminary list of 17 regionalization opportunities that would improve wastewater treatment for 80,000 residents at a cost of \$133 million.

Aquatic Invasive Species Are Another Threat to our Waterways- \$28 million need

Capital funds are also needed for the U.S. Army Corps of Engineers' plan to install control technologies at the Brandon Road Lock and Dam in Joliet which will reduce the risk of one of the most threatening invasive species — the Asian carp — from invading the Great Lakes and wreaking havoc on the regional economy and ecosystem. A majority of the cost of the Brandon Road project would be paid by the Army Corps, and there are indications that other Great Lakes states may be interested in contributing to Illinois' portion of the cost.



The Illinois Association of Wastewater Agencies (IAWA) has been the voice for wastewater in Illinois for ninety-three years and consists of sixty public members that treat 80% of the sewage produced in Illinois.

Contacts:

Beth Vogt PE, Vice President, Illinois Association of Wastewater Agencies, Technical Services Director, Fox River Water Reclamation District bvogt@frwrd.com 847-429-4053

Mark Eddington PE, District Manager, Kishwaukee Water Reclamation District, DeKalb
MEddington@kishwrd.com 815-758-3513

Mohammed Haque PE, President, Illinois Association of Wastewater Agencies, Executive Director, Northern Moraine Water Reclamation District haque@nmwrd.org 847-526-3300

Illinois Sierra Club with its 100,000 members and supporters partners with the wastewater, agricultural and labor sectors to improve water quality throughout the state of Illinois.

Contacts:

Cindy Skrukrud PhD, Clean Water Program Director, Sierra Club, Illinois Chapter
cindy.skrukrud@sierraclub.org, 312-229-4694

Jack Darin, Director, Sierra Club, Illinois Chapter
jack.darin@sierraclub.org 312-229-4690



SECTION 5.0

CONSENT AGENDA

SECTION 5.1

**MINUTES FROM THE
APRIL 11, 2019
MEETING**

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Minutes
April 11, 2019, 2018
Meeting held at the Glenbard Wastewater Plant
945 Bemis Road, Glen Ellyn, IL

Members Present:

Diane McGinley	President, Village of Glen Ellyn
Keith Giagnorio	President, Village of Lombard
Mike Fugiel	Trustee, Village of Lombard
Mark Franz	Village Manager, Village of Glen Ellyn
Tim Sexton	Finance Director, Village of Lombard
Julius Hansen	Public Works Director, Village of Glen Ellyn
Carl Goldsmith	Public Works Director, Village of Lombard

Others Present:

Matthew Streicher	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
Ashley Staat	Environmental Resources Coordinator, GWA
Christina Coyle	Finance Director, Village of Glen Ellyn
Gayle Lendabarker	Administrative Secretary, GWA

1. Call to Order at 8:00 a.m.
2. Roll Call: President Giagnorio, President McGinley, Trustee Fugiel, Mr. Sexton, Mr. Franz, Mr. Goldsmith and Mr. Hansen answered "Present". Mr. Niehaus and Trustee Enright was excused
3. Pledge of Allegiance
4. Public Comment
5. Consent Agenda - The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

Motion the EOC to approve the following items including Payroll and Vouchers for part of the months of January 2019, February 2019 and March 2019 \$1,775,627.23 (Trustee Enright).

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

EOC Meeting/April 2019
Minutes

- 5.1 Amended Executive Oversight Committee Meeting Minutes:
 - o June 14, 2018 EOC Meeting
- 5.2 Executive Oversight Committee Meeting Minutes:
 - o January 10, 2019 EOC Meeting
- 5.3 Vouchers previously reviewed by Trustee Enright
 - o January, February and March 2019
- 5.4 Request for Authorization to Enter into Manhole Inspection Contract with RJD Group, Inc.

In late 2018, GWA's Director and Assistant Director met with the Village of Lombard and RJD Group in regards to performing manhole inspections. Since the sewers have been inspected, it makes sense to also inspect the manhole structures, as they go hand in hand. GWA has never done extensive inspection of its structures, which are all approaching nearly 40 years old. GWA benefited from the Village of Lombard doing research and determining that besides the existing good relationship the Village has with RJD (which GWA also has), RJD is the only professional service provider that could meet the specifications for the type of inspections both ourselves and Lombard would require. Essentially, they are the only company with the type of technology that would be ideal for the remote locations of our manholes.

The proposal given to GWA was in the form of a not to exceed amount of \$29,860. This proposal had been discussed and approved by the TAC at the January 24th TAC meeting. Therefore, GWA recommended the approval of this contract, but would need EOC approval level due to the dollar amount. In order to take advantage of the competitive pricing for both GWA and Lombard, an agreement was needed to be entered into during February, which would give RJD adequate time to prepare to perform the work for both entities. Since no February EOC meeting occurred, request for approval was sent to the Village Managers, as well as the Glen Ellyn Finance Director.

GWA requests the waiver of bids and for the EOC give retroactive approval for the RJD Manhole Inspection Proposal in the not to exceed amount of **\$29,860**. This work will be charged towards Fund 40-580150, Plant Equipment Rehabilitation, which has \$100,000 budgeted for interceptor related inspection work.

EOC Meeting/April 2019
Minutes

6. Approval of Televising Contract

In March 2019 Authority staff developed and sent out a request for qualifications and technical proposals for Large Diameter Sewer Inspection/Assessment. The due date for the proposals was March 29, 2019.

The Authority received three sets of qualifications and technical proposals in response to the RFP that was sent out, along with prices. Attached is a spreadsheet containing the bid prices. The apparent low bidder is \$68,134.25. All references were checked and are satisfactory.

Therefore, it is recommended the EOC award Redzone Robotics the 2019 Large Diameter Sewer Inspection/Assessment Contract in the amount not to exceed **\$68,134.25**. This amount will be taken out of the designated amount in CY2019 Approved Budget, Fund 40 580150 Plant Equipment Rehabilitation, which is currently budgeted at \$100,000.

Motion the EOC to approve the award the 2019 Large Diameter Sewer Inspection/Assessment Contract to Redzone Robotics in the not to exceed amount of \$68,134.25 to be charged against Plant Equipment Rehabilitation Fund 40-580150.

Mr. Goldsmith motioned and Trustee Fugiel seconded the motion to award Redzone Robotics the 2019 Large Diameter Sewer Inspection/Assessment Contract for an amount not to exceed \$68,134.25. President Giagnorio, Trustee Fugiel, Mr. Sexton, Mr. Franz, Mr. Goldsmith, and Mr. Hansen responded “Aye” during a roll vote. The motion carried.

7. High Strength Waste Standard Operation Procedure Modifications

At the January 2019 EOC meeting the modification of the existing High Strength Waste (HSW) Receiving Standard Operating Procedures (SOP) was discussed. To summarize the modifications, attached to the agenda item is the package that was posted for public comment.

The Authority received very little public feedback, with the only comments being unrelated to the actual modifications being requested, and only one question. The comments received were simply put, “if odors are detected, we will call.” One resident asked how the modifications would affect truck traffic on Bemis. As described in the FAQ’s that were distributed to the residents, it is expected that potentially one more truck per day could be traveling on Bemis due to the modifications.

Therefore, seeing no objections from the Public, the Authority respectfully requests the EOC approve the modifications to the HSW SOP’s allowing the Authority to receive 20,000 gallons of HSW on a daily basis (M-F, 7am-4pm, no holidays).

EOC Meeting/April 2019
Minutes

Mr. Streicher stated that GWA notified neighbors of the pending change to the HSW SOP's and only received comments back advising they will call if they smell anything, no opposition to the changes has been received and while GWA has not had to turn away any deliveries, there have been a few days where the previous limit was close to being exceeded.

Mr. Streicher added, as a follow up to a comment made by Trustee Enright at the previous meeting, that while GWA continues to take all the steps to prevent and/or keep odors to a minimum there are no guarantees that the plant will never experience a digester upset like it did in 2017, as there are factors that are not necessarily in the control of staff that can result in the process being upset and odor occurring; however, GWA staff monitors the process even more closely than it did before in an effort to catch any issues before they reach the same scale.

President Giagnorio motioned and Trustee Fugiel seconded the motion to approve the modifications to the HSW SOP's allowing the Authority to receive 20,000 gallons of HSW on a daily basis (M-F, 7am-4pm, no holidays). President Giagnorio, Trustee Fugiel, Mr. Sexton, Mr. Franz, Mr. Goldsmith, and Mr. Hansen responded "Aye" during a roll vote. The motion carried.

8. Discussion

8.1 Facility Improvement Project Update

Mr. Romza advised that while the project is still behind schedule and Boller has yet to provide a full action plan for completion, progress is being made; and payments are still being withheld until a complete schedule and other details are received.

8.2 June 2, 2019 Open House

The Authority has scheduled its first open house for the hours of 9am-12pm on Saturday, June 1, 2019. Staff is working with both Village's to help advertise, and will be sending physical out mailings as well. The Open House will mainly consist of tours being given on regular intervals, along with displays of stages through the treatment process, equipment, and other items that may be of interest to the public. Enclosed is the advertisement for the event.

Mr. Streicher advised that the planning of GWA's first open house are in the works and hopes the event will be success. Mr. Streicher asked the EOC members to share the invitation with whomever they'd like. The EOC suggested inviting our federal representatives; i.e. Representative Caster, Senator Duckworth, and Senator Durbin.

9. Other Business

EOC Meeting/April 2019
Minutes

- 9.1 Technical Advisory Committee Updates
- 9.2 Pending Agenda Items

- 10. **Next EOC Meeting** – The next regularly scheduled EOC Meeting is set for Thursday, May 9, 2019 at 8:00 a.m., however, GWA staff has a conflict and will not be able to attend that meeting. Therefore, GWA requests input from the EOC as to a date to reschedule the meeting. The May EOC meeting will still be held ***in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137.***

Mr. Streicher indicated that due to the IPSI conference scheduled in May, he and Mr. Romza would not be available and therefore recommend moving the next meeting to June 13, 2019. The EOC Committee agreed.

Mr. Franz moved to adjourn the April 11, 2019 EOC Meeting and Mr. Fugiel seconded the MOTION to adjourn the meeting and go into Executive session. President Giagnorio, President McGinley, Mr. Fugiel, Mr. Sexton, Mr. Franz, Mr. Goldsmith, and Mr. Hansen responded “Aye” during a roll vote. The motion carried. The meeting adjourned at 8:20 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 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.

Submitted by:

Gayle A. Lendabarker
GWA Administrative Secretary

SECTION 5.2

VOUCHERS

VOUCHERS

APRIL 2019

GLENBARD WASTEWATER AUTHORITY
APPROVAL OF VOUCHERS
For the meeting in May 2019

<u>EXPENDITURES:</u>		<u>Check Date</u>	<u>Paid Amount</u>
Accounts Payable Warrant 0419-1		4/16/2019	\$214,786.88
Accounts Payable Warrant 0419-2		4/30/2019	\$411,675.41
			<u>\$626,462.29</u>
Warrant Total			
 <u>PAYROLL EXPENDITURES:</u>		<u>April 12, 2019</u>	<u>April 26, 2019</u>
Net Employee Payroll Checks		\$ 37,822.77	\$ 36,959.24
 <u>Employee & Employer Payroll Deductions:</u>			
Employee Deductions*		\$18,822.85	\$18,524.95
IMRF - Employer contribution		\$3,679.83	\$3,651.79
Social Security/Medicare Tax Withheld - Employer portion		\$4,133.50	\$4,056.16
Total Payroll	\$ 64,458.95	\$ 63,192.14	
GRAND TOTAL			
			<u>\$ 754,113.38</u>

05/03/2019 13:40 GWA Live
jcampbell1 PAID WARRANT REPORT

WARRANT: 0419-1

P	1	TO FISCAL 2019/04 01/01/2019 TO 12/31/2019					
VENDOR NAME	DOCUMENT	INV DATE	VOUCHER PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
834 ADLER ROOFING & SHEET METAL, INC.	20217 01/31/19	20180016	958096 P 04/16/19 40	580145		ROOF UPGRADES	96,579.67
INVOICE: PAYMENT 1							
VENDOR TOTALS		96,579.67	YTD INVOICED		96,579.67	YTD PAID	96,579.67
881 AIRGAS, INC	20218 03/20/19	958097 P 04/16/19 270	530443		LIQUID OXYGEN	650.00	
INVOICE:	9086764459						
20219 03/23/19	958097 P 04/16/19 270	530443		LIQUID OXYGEN	10,011.07		
INVOICE:	9500522370						
20220 03/30/19	958097 P 04/16/19 270	530443		LIQUID OXYGEN	5,654.85		
INVOICE:	9500522590						
20221 04/06/19	958097 P 04/16/19 270	530443		LIQUID OXYGEN	8,463.57		
INVOICE:	9500527098						
20222 04/06/19	958097 P 04/16/19 270	520980		MAINTENANCE-ELECTRONICS	58.56		
INVOICE:	9960731394						
20224 04/06/19	20190002	958097 P 04/16/19 40	580180	17004 CRYO VAPORIZOR RENTALS	1,500.00		
INVOICE:	9087156341						
VENDOR TOTALS		119,843.69	YTD INVOICED		119,843.69	YTD PAID	26,338.05
859 ANALYTICAL SOLUTION, INC	20225 03/26/19	958098 P 04/16/19 270	520806		PROFESSIONAL SERVICES-LAB	560.00	
INVOICE:	12004806						
VENDOR TOTALS		2,240.00	YTD INVOICED		2,240.00	YTD PAID	560.00
1260 APPLIED INDUSTRIAL TECHNOLOGIES INC	20201 03/08/19	958099 P 04/16/19 270	520975		MAINTENANCE-EQUIPMENT	119.26	
INVOICE:	7015723756						
20226 03/18/19	958099 P 04/16/19 270	520975		MAINTENANCE-EQUIPMENT	146.54		
INVOICE:	7015781703						
20227 03/22/19	958099 P 04/16/19 270	520975		MAINTENANCE-EQUIPMENT	393.04		
INVOICE:	7015837411						
VENDOR TOTALS		1,048.52	YTD INVOICED		1,048.52	YTD PAID	658.84
942 POWER UP BATTERIES LLC	20267 04/04/19	958100 P 04/16/19 270	520980		MAINTENANCE-ELECTRONICS	958.30	
INVOICE:	P13212605						
VENDOR TOTALS		3,799.10	YTD INVOICED		3,799.10	YTD PAID	958.30
24 BERLAND'S INC	20244 04/10/19	958102 P 04/16/19 270	520975		MAINTENANCE-EQUIPMENT	179.99	
INVOICE:	360503						
VENDOR TOTALS		179.99	YTD INVOICED		179.99	YTD PAID	179.99
33 CALCO, LTD.							

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VENDOR NAME DOCUMENT	INV DATE VOUCHER PO	CHECK NO T CHK DATE GL ACCOUNT	GL ACCOUNT DESCRIPTION
20229 INVOICE: AU46933	04/04/19 312.00 YTD INVOICED	958103 P 04/16/19 270	530440 CHEMICALS
VENDOR TOTALS		312.00 YTD PAID	169.00
819 UNITED COMMUNICATIONS 20294 INVOICE: 04/15/19 20294	04/14/19 5,295.35 YTD INVOICED	958142 P 04/25/19 270	521195 TELECOMMUNICATIONS
VENDOR TOTALS		5,295.35 YTD PAID	1,351.92
47 CINTAS CORPORATION #769 20255 INVOICE: 03/26/19 769587809	04/16/19 270 570.80 YTD INVOICED	958104 P 04/16/19 270	520976 MAINTENANCE-CONTRACTUAL
VENDOR TOTALS		570.80 YTD PAID	142.70
768 CINTAS FIRST AID & SAFETY 20230 INVOICE: 04/05/19 8404092595	04/16/19 270 1,138.21 YTD INVOICED	958105 P 04/16/19 270	530225 SAFETY RELATED EQUIPMNT/S
VENDOR TOTALS		1,138.21 YTD PAID	221.14
644 CLC LUBRICANTS 20214 INVOICE: 03/20/19 89033	04/16/19 270 455.09 YTD INVOICED	958106 P 04/16/19 270	520975 MAINTENANCE-EQUIPMENT
VENDOR TOTALS		455.09 YTD PAID	180.75
1218 COLLEY ELEVATOR CO 20231 INVOICE: 02/01/19 180776	04/16/19 270 963.00 YTD INVOICED	958107 P 04/16/19 270	520971 BUILDING & GROUNDS CONTRA
VENDOR TOTALS		963.00 YTD PAID	191.00
490 COMCAST CABLE COMMUNICATIONS, LLC 20233 INVOICE: 03/25/19 20233	04/16/19 270 818.32 YTD INVOICED	958108 P 04/16/19 270	521195 TELECOMMUNICATIONS
VENDOR TOTALS		818.32 YTD PAID	204.58
1248 B&W CONTROL SYSTEMS INTEGRATION LLC 20234 INVOICE: 03/22/19 204846	04/16/19 40 21,095.96 YTD INVOICED	958109 P 04/16/19 40	580120 SMALL CAPITAL PROJECTS
VENDOR TOTALS		21,095.96 YTD PAID	4,683.73
1138 CONSTELLATION ENERGY SERVICES INC 20236 INVOICE: 04/05/19	04/16/19 270 521202 NATURAL GAS	958110 P 04/16/19 270	521202 NATURAL GAS
			7,270.40

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INVOICE:	2569156		958110	P	04/16/19	270-1	521202	NATURAL GAS
20236	04/05/19		958110	P	04/16/19	270	521204	SELF-GEN GAS
INVOICE:	2562156							365.18
20236	04/05/19							
INVOICE:	2569156							
VENDOR TOTALS		33,316.83	YTD INVOICED			33,316.83	YTD PAID	8,165.10
994	DIRECT ENERGY MARKETING, INC.		958143	P	04/25/19	270	521201	ELECTRIC POWER
20265	04/09/19		958143	P	04/25/19	270-1	521201	ELECTRIC POWER
INVOICE:	190990038004787		958143	P	04/25/19	270-1	521201	ELECTRIC POWER
20265	04/09/19		958143	P	04/25/19	270-2	521201	ELECTRIC POWER
INVOICE:	190990038004787		958143	P	04/25/19	270-3	521201	ELECTRIC POWER
20265	04/09/19							990.58
INVOICE:	190990038004787							
VENDOR TOTALS		182,185.10	YTD INVOICED			182,185.10	YTD PAID	32,694.67
86	EESCO, A DIVISION OF WESCO DISTRIBUTION INC		958111	P	04/16/19	270	520980	MAINTENANCE-ELECTRONICS
20286	02/05/19							110.00
INVOICE:	615869							
VENDOR TOTALS		335.10	YTD INVOICED			335.10	YTD PAID	110.00
1191	ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC.		958112	P	04/16/19	270	520981	ELECTRONICS CONTRACTUAL
20237	04/01/19							632.88
INVOICE:	93618480							
VENDOR TOTALS		632.88	YTD INVOICED			632.88	YTD PAID	632.88
293	VILLAGE OF GLEN ELLYN		958113	P	04/16/19	270	521203	WATER
20283	04/01/19		958113	P	04/16/19	270	521203	WATER
INVOICE:	20283							622.61
20284	04/01/19							
INVOICE:	20284							19.86
VENDOR TOTALS		59,862.77	YTD INVOICED			59,862.77	YTD PAID	642.47
1072	GOLDSTINE, SKRODZKI RUSSIAN, NEMEC AND HOFF LTD.		958114	P	04/16/19	270	520700	LEGAL-GENERAL COUNSEL
20238	04/03/19		958114	P	04/16/19	270	520700	LEGAL-GENERAL COUNSEL
INVOICE:	145546		958114	P	04/16/19	270	520700	LEGAL-GENERAL COUNSEL
20239	04/03/19							622.20
INVOICE:	145545							
VENDOR TOTALS		5,836.95	YTD INVOICED			5,836.95	YTD PAID	826.20
297	W.W. GRAINGER, INC.		958115	P	04/16/19	270	520980	MAINTENANCE-ELECTRONICS
20240	04/02/19							32.65
INVOICE:	9133513748							

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20241 INVOICE: 04/03/19 9137071800	04/04/19		958115 P	04/16/19	270	520980 MAINTENANCE-ELECTRONICS
20242 INVOICE: 04/03/19 9135291087			958115 P	04/16/19	270	520970 MAINTENANCE-BUILDING & GR
20243 INVOICE: 04/03/19 9135291078			958115 P	04/16/19	270	530225 SAFETY RELATED EQUIPMNT/S
VENDOR TOTALS						-6 .08
743 GROOT, INC INVOICE: 04/01/19 3163621			3,711.98 YTD INVOICED		3,711.98 YTD PAID	155.62
VENDOR TOTALS			1,119.92 YTD INVOICED		520991 OPERATIONS - CONTRACTUAL	314.98
119 HACH COMPANY INVOICE: 03/28/19 11400691			958117 P	04/16/19	270	530106 OPERATING SUPPLIES - LAB
20247 INVOICE: 04/02/19 11407339			958117 P	04/16/19	270	530106 OPERATING SUPPLIES - LAB
VENDOR TOTALS			1,179.06 YTD INVOICED		1,179.06 YTD PAID	138.29
985 HOLSTEINS GARAGE INVOICE: 03/31/19 796			958118 P	04/16/19	270	520976 MAINTENANCE-CONTRACTUAL
VENDOR TOTALS			140.00 YTD INVOICED		140.00 YTD PAID	105.00
1147 ILLINOIS AMERICAN WATER COMPANY INVOICE: 03/25/19 20249			958119 P	04/16/19	270-3	521203 WATER
VENDOR TOTALS			632.40 YTD INVOICED		632.40 YTD PAID	105.00
414 COLLCORP INVOICE: 03/06/19 8494-1			958144 P	04/25/19	270	520981 ELECTRONICS CONTRACTUAL
VENDOR TOTALS			3,835.00 YTD INVOICED		3,835.00 YTD PAID	127.34
1278 TYCO FIRE & SECURITY (US) MANAGEMENT, INC. INVOICE: 04/06/19 32368252						2,350.00
20289 INVOICE: 04/06/19 32368252			958120 P	04/16/19	270	521195 TELECOMMUNICATIONS
20290 INVOICE: 04/06/19 32368254			958120 P	04/16/19	270	521195 TELECOMMUNICATIONS
VENDOR TOTALS			536.88 YTD INVOICED		536.88 YTD PAID	138.00
185 KONICA MINOLTA BUSINESS SOLUTIONS INC INVOICE: 03/25/19			958121 P	04/16/19	270	530100 OFFICE EXPENSES
						36.51

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INVOICE: 9005537130		260.56 YTD INVOICED			260.56	YTD PAID		36.51
VENDOR TOTALS								
157 LEN'S ACE HARDWARE, INC. 20215 02/26/19 INVOICE: 88841-3		958122 P 04/16/19 270			520975	Maintenance - Equipment		2.14
VENDOR TOTALS		543.31 YTD INVOICED			543.31	YTD PAID		2.14
1184 MATTHEW STREICHER 20264 03/29/19 INVOICE: 20264		958123 P 04/16/19 270			520620	Employee Education		50.00
VENDOR TOTALS		50.00 YTD INVOICED			50.00	YTD PAID		50.00
171 MCMASTER-CARR SUPPLY CO. 20207 03/11/19 INVOICE: 88862616 20208 03/11/19 INVOICE: 88862617 20252 03/18/19 INVOICE: 89523895 20292 04/08/19 INVOICE: 91472998		958124 P 04/16/19 270 958124 P 04/16/19 270 958124 P 04/16/19 270 958145 P 04/25/19 270			520975 520975 520975 520975	Maintenance - Equipment Maintenance - Equipment Maintenance - Equipment Maintenance - Equipment		64.80 75.36 148.05 85.89
VENDOR TOTALS		3,214.70 YTD INVOICED			3,214.70	YTD PAID		374.10
1223 CAPITAL ONE NATIONAL ASN 20253 03/27/19 INVOICE: 317508619046501		958125 P 04/16/19 270			520975	Maintenance - Equipment		65.26
VENDOR TOTALS		435.92 YTD INVOICED			435.92	YTD PAID		65.26
1156 ROGUE BEAGLE INITIATIVE, LLC 20254 04/03/19 INVOICE: 2019-54		958126 P 04/16/19 270			520971	Building & Grounds Contra		503.94
VENDOR TOTALS		503.94 YTD INVOICED			503.94	YTD PAID		503.94
1142 GENUINE PARTS CO-NAPA 20209 03/14/19 INVOICE: 701-500405		958127 P 04/16/19 270			520975	Maintenance - Equipment		15.98
VENDOR TOTALS		24.76 YTD INVOICED			24.76	YTD PAID		15.98
1087 NOVASPECT, INC. 20256 04/01/19 INVOICE: CD99106745		958128 P 04/16/19 40			580150	Plant Equipment Rehabilit		2,000.11

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VENDOR TOTALS		2, 000.11 YTD INVOICED			2, 000.11 YTD PAID	2, 000.11
1006 PHENOVA, INC. 20257 03/26/19 INVOICE: 148006		958129 P 04/16/19 270		530106	OPERATING SUPPLIES - LAB	762.35
VENDOR TOTALS		762.35 YTD INVOICED		762.35 YTD PAID		762.35
873 THE PITNEY BOWES BANK, INC 20297 04/05/19 INVOICE: 20291		958130 P 04/16/19 270		530100	OFFICE EXPENSES	34.83
VENDOR TOTALS		236.84 YTD INVOICED		236.84 YTD PAID		34.83
876 PITNEY BOWES, INC 20258 03/30/19 INVOICE: 3103041707		958131 P 04/16/19 270		530100	OFFICE EXPENSES	204.00
VENDOR TOTALS		408.00 YTD INVOICED		408.00 YTD PAID		204.00
1226 RC CLEANING COMPANY 20259 03/21/19 INVOICE: 20259		958132 P 04/16/19 270		520971	BUILDING & GROUNDS CONTRA	1, 020.00
20260 04/01/19 INVOICE: 20260		958132 P 04/16/19 270		520971	BUILDING & GROUNDS CONTRA	1, 020.00
VENDOR TOTALS		4, 080.00 YTD INVOICED		4, 080.00 YTD PAID		2, 040.00
412 NESTLE WATERS NORTH AMERICA 20288 04/06/19 INVOICE: 19D8100616302		958133 P 04/16/19 270		530100	OFFICE EXPENSES	136.82
VENDOR TOTALS		477.35 YTD INVOICED		477.35 YTD PAID		136.82
180 RELADYNE -MID-TOWN PETROLEUM INC. 20261 04/05/19 INVOICE: 1201669-IN		958134 P 04/16/19 270		520975	Maintenance-Equipment	568.05
VENDOR TOTALS		3, 043.86 YTD INVOICED		3, 043.86 YTD PAID		568.05
1212 RJN GROUP, INC 20262 04/02/19 INVOICE: 305027		20190001 958135 P 04/16/19 270		520981	ELECTRONICS CONTRACTUAL	10,149.00
VENDOR TOTALS		50, 006.00 YTD INVOICED		50, 006.00 YTD PAID		10,149.00
939 STAPLES CONTRACT & COMMERCIAL INC. 20263 03/13/19 INVOICE: 3408751650		958136 P 04/16/19 270		530100	OFFICE EXPENSES	50.59
20293 04/10/19		958136 P 04/16/19 270		530100	OFFICE EXPENSES	99.96

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INVOICE: 3410991504							
VENDOR TOTALS		1,378.84	YTD INVOICED			1,378.84	YTD PAID
738 SUBURBAN LABORATORIES, INC.							
20270 01/17/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 162345		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20271 01/24/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 162450		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20272 01/24/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 162449		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20273 02/19/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 163058		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20274 02/19/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 163059		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20275 03/12/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 163626		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20276 03/06/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 163627		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20277 03/21/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 163787		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20278 03/27/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 163899		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20279 04/08/19		958137 P	04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE: 164422							
VENDOR TOTALS		11,060.50	YTD INVOICED			11,060.50	YTD PAID
1271 SYNAGRO-WWT		958146 P	04/25/19	270		521150	SLUDGE DISPOSAL - LAND
20266 03/31/19							
INVOICE: 20-134576							
VENDOR TOTALS		60,116.00	YTD INVOICED			60,116.00	YTD PAID
271 TERRACE SUPPLY COMPANY							
20269 03/31/19		958138 P	04/16/19	270		520976	MAINTENANCE-CONTRACTUAL
INVOICE: 998428							
VENDOR TOTALS		574.11	YTD INVOICED			574.11	YTD PAID
1299 THOMAS ROMZA		958147 P	04/25/19	270		520620	EMPLOYEE EDUCATION
20298 04/18/19							
INVOICE: 20298							
VENDOR TOTALS		180.00	YTD INVOICED			180.00	YTD PAID
1298 UNDERGROUND SAFETY & SUPPLY LLC		958139 P	04/16/19	270		530225	SAFETY RELATED EQUIPMNT/S
20287 04/04/19							
INVOICE: 2568							

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VENDOR	ITEM	QTY	UNIT	AMOUNT
VENDOR TOTALS		125.00	YTD INVOICED	125.00 YTD PAID
988 VERIZON WIRELESS SERVICES LLC		958140	P 04/16/19 270	521195 TELECOMMUNICATIONS
20280 INVOICE: 9823347507		958140	P 04/16/19 270	521195 TELECOMMUNICATIONS
20282 INVOICE: 04/01/19				
20282 INVOICE: 9827305885				
VENDOR TOTALS		3,929.53	YTD INVOICED	3,929.53 YTD PAID
309 WILKENS-ANDERSON CO.		958141	P 04/16/19 270	530106 OPERATING SUPPLIES - LAB
20285 INVOICE: 03/13/19				
INVOICE: S1182868.001				
VENDOR TOTALS		283.08	YTD INVOICED	283.08 YTD PAID
VENDOR TOTALS				REPORT TOTALS
				214,786.88
	COUNT	51		TOTAL PRINTED CHECKS 214,786.88

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1301 ALAN GAUS 20299 INVOICE: 3227	04/12/19		958148 P	04/30/19 40	580140	INFRASTRUCTURE UPGRADES
VENDOR TOTALS		3,000.00	YTD INVOICED		3,000.00	YTD PAID
881 AIRGAS, INC 20300 INVOICE: 9500527341 20301 INVOICE: 04/20/19 9500527529 20361 INVOICE: 04/27/19 9500527738	04/13/19 9500527341 04/20/19 9500527529 04/27/19 9500527738		958149 P 958149 P 958149 P 958149 P	04/30/19 270 04/30/19 270 04/30/19 270 04/30/19 270	530443 530443 530443 530443	LIQUID OXYGEN LIQUID OXYGEN LIQUID OXYGEN LIQUID OXYGEN
VENDOR TOTALS		119,843.69	YTD INVOICED		119,843.69	YTD PAID
1130 ALFA LAVAL INC 20302 INVOICE: 04/18/19 279020739	04/18/19 279020739		958150 P	04/30/19 270	520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS		3,050.63	YTD INVOICED		3,050.63	YTD PAID
1246 FOX MARKETING GROUP 20303 INVOICE: 04/23/19 30328	04/23/19 30328		958151 P	04/30/19 270	530100	OFFICE EXPENSES
VENDOR TOTALS		268.88	YTD INVOICED		268.88	YTD PAID
859 ANALYTICAL SOLUTION, INC 20304 INVOICE: 04/18/19 T2004829	04/18/19 T2004829		958152 P	04/30/19 270	520806	PROFESSIONAL SERVICES-LAB
VENDOR TOTALS		2,240.00	YTD INVOICED		2,240.00	YTD PAID
1260 APPLIED INDUSTRIAL TECHNOLOGIES INC 20305 INVOICE: 04/11/19 7015998122	04/11/19 7015998122		958153 P	04/30/19 270	520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS		1,048.52	YTD INVOICED		1,048.52	YTD PAID
942 POWER UP BATTERIES LLC 20306 INVOICE: 04/10/19 P13420728	04/10/19 P13420728		958154 P 958154 P	04/30/19 270 04/30/19 270	520980 520980	MAINTENANCE-ELECTRONICS MAINTENANCE-ELECTRONICS
VENDOR TOTALS		3,799.10	YTD INVOICED		3,799.10	YTD PAID
996 BROOK ELECTRICAL DISTRIBUTION 20308 INVOICE: 04/23/19 S008523269.001	04/23/19 S008523269.001		958155 P	04/30/19 270	520980	MAINTENANCE-ELECTRONICS
						336.18

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VENDOR TOTALS		336.18	YTD INVOICED					336.18	YTD PAID
37 CDW GOVERNMENT, INC.	20309	04/23/19			958156	P	04/30/19	270	520980
INVOICE:	RZM4031								Maintenance-Electronics
VENDOR TOTALS		59.32	YTD INVOICED					59.32	YTD PAID
1268 JP MORGAN CHASE NA					2490	W	04/30/19	270	520975
INVOICE:	194658	04/05/19	LENG-28		2500	W	04/30/19	270	520980
INVOICE:	194667	04/05/19	FRER-9		2503	W	04/30/19	270	520620
INVOICE:	194675	04/05/19	STRM-6		2491	W	04/30/19	270	530100
INVOICE:	20363	04/05/19	LENG-29		2492	W	04/30/19	270	520620
INVOICE:	20364	04/05/19	LENG-30		2493	W	04/30/19	270	520970
INVOICE:	20365	04/05/19	LENG-31		2494	W	04/30/19	270	530100
INVOICE:	20366	04/05/19	LENG-32		2495	W	04/30/19	270	520620
INVOICE:	20367	04/05/19	LENG-33		2496	W	04/30/19	270	521195
INVOICE:	20368	04/05/19	LENG-34		2497	W	04/30/19	270	520620
INVOICE:	20369	04/05/19	LENG-35		2498	W	04/30/19	270	520625
INVOICE:	20370	04/05/19	LENG-36		2499	W	04/30/19	270	520620
INVOICE:	20371	04/05/19	ROMT-1		2501	W	04/30/19	40	580120
INVOICE:	20372	04/05/19	FRER-10		2502	W	04/30/19	270	520980
INVOICE:	20373	04/05/19	FRER-11		2504	W	04/30/19	270	520620
INVOICE:	20374	04/05/19	STRM-7		2505	W	04/30/19	270	520620
INVOICE:	20375	04/05/19	STRM-8		2506	W	04/30/19	270	520620
INVOICE:	20376	04/05/19	STRM-9		2507	W	04/30/19	270	520620
INVOICE:	20377	04/05/19	STRM-10		2508	W	04/30/19	270	520620
INVOICE:	20378	04/05/19	STRM-11		2509	W	04/30/19	270	520620
INVOICE:	20379	04/05/19	STRM-12		2510	W	04/30/19	270	520620

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VENDOR NAME DOCUMENT	INV DATE VOUCHER	PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	TO FISCAL 2019/04 01/01/2019 TO 12/31/2019
INVOICE: STRM-13					10,454.58	YTD INVOICED	10,454.58 YTD PAID
VENDOR TOTALS		10,454.58	YTD INVOICED				5,123.72
1289 CHEYENNE LIVESTOCK & PROD, INC.	04/09/19	958157 P	04/30/19	270	530225	SAFETY RELATED EQUIPMNT/S	1,184.00
INVOICE: 32403							
VENDOR TOTALS		1,184.00	YTD INVOICED		1,184.00	YTD PAID	1,184.00
1160 CHICAGO METROPOLITAN FIRE PREVENTION CO.	04/15/19	958158 P	04/30/19	270	520981	ELECTRONICS CONTRACTUAL	171.00
INVOICE: IN003040006							
VENDOR TOTALS		1,175.00	YTD INVOICED		1,175.00	YTD PAID	171.00
1138 CONSTELLATION ENERGY SERVICES INC	04/15/19	958159 P	04/30/19	270	521202	NATURAL GAS	7,012.43
INVOICE: 2577888							
20312	04/15/19	958159 P	04/30/19	270-1	521202	NATURAL GAS	321.41
INVOICE: 2577888							
20312	04/15/19	958159 P	04/30/19	270	521204	SELF-GEN GAS	381.89
INVOICE: 2577888							
VENDOR TOTALS		33,316.83	YTD INVOICED		33,316.83	YTD PAID	7,715.73
659 DUPAGE RIVER/SALT CREEK WORKGROUP	04/10/19	958160 P	04/30/19	270	520776	TMDL COMMITMENT	32,180.00
INVOICE: 157							
20313	04/10/19	958160 P	04/30/19	40	580180	14011 CAPITAL PROJECTS	264,374.00
INVOICE: 157							
VENDOR TOTALS		296,554.00	YTD INVOICED		296,554.00	YTD PAID	296,554.00
94 FEDERAL EXPRESS CORPORATION	02/21/19	958161 P	04/30/19	270	520975	MAINTENANCE-EQUIPMENT	11.90
INVOICE: 1-788-02543-A							
VENDOR TOTALS		11.90	YTD INVOICED		11.90	YTD PAID	11.90
293 VILLAGE OF GLEN ELLYN	04/30/19	2489 W	04/30/19	270	521130	OVERHEAD FEES	10,977.17
INVOICE: IFT-174							
1013165	04/30/19	2489 W	04/30/19	270	520976	MAINTENANCE-CONTRACTUAL	3,058.33
INVOICE: IFT-174							
VENDOR TOTALS		59,862.77	YTD INVOICED		59,862.77	YTD PAID	14,035.50
297 W.W. GRAINGER, INC.	04/05/19	958162 P	04/30/19	270	520970	MAINTENANCE-BUILDING & GR	868.48
INVOICE: 9138044301							

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VENDOR NAME DOCUMENT	INV DATE VOUCHER	PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	TO FISCAL 2019/04 01/01/2019 TO 12/31/2019	P GWA Live appdware
20316 INVOICE:	04/16/19 9146869210		958162 P 04/30/19	270	520980	Maintenance-Electronics	311.60	
20318 INVOICE:	04/16/19 9147395934		958162 P 04/30/19	270	520970	Maintenance-Building & GR	-217.12	
20319 INVOICE:	04/16/19 9147052881		958162 P 04/30/19	270	520970	Maintenance-Building & GR	217.12	
20333 INVOICE:	04/24/19 9155661011		958162 P 04/30/19	270	520980	Maintenance-Electronics	73.26	
VENDOR TOTALS			3,711.98	YTD INVOICED	3,711.98	YTD PAID	1,253.34	
119 HACH COMPANY			958163 P 04/30/19	270	520980	Maintenance-Electronics	309.47	
20320 INVOICE:	04/16/19 11427257		958163 P 04/30/19	270	520980	Maintenance-Electronics	121.15	
20321 INVOICE:	04/18/19 11431558		958163 P 04/30/19	270	530106	OPERATING SUPPLIES - LAB	135.93	
20360 INVOICE:	04/19/19 11433020							
VENDOR TOTALS			1,179.06	YTD INVOICED	1,179.06	YTD PAID	566.55	
124 HOME DEPOT USA, INC			958164 P 04/30/19	270	520990	OPERATIONS - SUPPLIES	201.77	
20322 INVOICE:	04/12/19 1023110		958164 P 04/30/19	270	520990	OPERATIONS - SUPPLIES	5.97	
20323 INVOICE:	04/11/19 2261408		958164 P 04/30/19	270	520970	Maintenance-Building & GR	479.84	
20323 INVOICE:	04/11/19 2261408		958164 P 04/30/19	270	520990	OPERATIONS - SUPPLIES	39.76	
20324 INVOICE:	03/20/19 4074278		958164 P 04/30/19	270	520980	Maintenance-Electronics	44.94	
20325 INVOICE:	04/09/19 4012803		958164 P 04/30/19	270	520980	Maintenance-Electronics	36.65	
20326 INVOICE:	03/28/19 6012662		958164 P 04/30/19	270	520975	Maintenance-Equipment	219.94	
20327 INVOICE:	03/21/19 3612216							
VENDOR TOTALS			1,581.90	YTD INVOICED	1,581.90	YTD PAID	1,028.87	
1147 ILLINOIS AMERICAN WATER COMPANY			958165 P 04/30/19	270-3	521203	WATER	126.25	
20355 INVOICE:	04/23/19 20355							
VENDOR TOTALS			632.40	YTD INVOICED	632.40	YTD PAID	126.25	
434 LAI, LTD.			958166 P 04/30/19	40	580120	SMALL CAPITAL PROJECTS	5,000.00	
20362 INVOICE:	04/19/19 19-16409							
VENDOR TOTALS			5,000.00	YTD INVOICED	5,000.00	YTD PAID	5,000.00	

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VENDOR NAME DOCUMENT	INV DATE VOUCHER	PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	TO FISCAL 2019/04 01/01/2019 TO 12/31/2019	P 13 appdware
1133 LAUTERBACH & AMEN, LLP INVOICE: 34967		958167 P 04/30/19 270		520825	AUDIT FEES - PROF SERVICE		9,400.00	
VENDOR TOTALS		9,400.00 YTD INVOICED			9,400.00 YTD PAID		9,400.00	
157 LEN'S ACE HARDWARE, INC. 20328 04/05/19 INVOICE: 89436-3		958168 P 04/30/19 270		520990	OPERATIONS - SUPPLIES		29.56	
20329 04/08/19 INVOICE: 89465-3		958168 P 04/30/19 270		530107	OPERATING EXPENSES - PRET		15.98	
20330 04/09/19 INVOICE: 89483-3		958168 P 04/30/19 270		520975	Maintenance-Equipment		3.10	
20331 04/10/19 INVOICE: 89506-3		958168 P 04/30/19 270		520990	OPERATIONS - SUPPLIES		27.94	
20332 04/23/19 INVOICE: 89714-3		958168 P 04/30/19 270		520990	OPERATIONS - SUPPLIES		23.66	
VENDOR TOTALS		543.31 YTD INVOICED			543.31 YTD PAID		100.24	
295 VILLAGE OF LOMBARD 20349 04/15/19 INVOICE: 20349 20350 04/15/19 INVOICE: 20350		958169 P 04/30/19 270-1 958169 P 04/30/19 270		521203 521203	WATER WATER		399.50 18.80	
VENDOR TOTALS		768.92 YTD INVOICED			768.92 YTD PAID		418.30	
171 MCMASTER-CARR SUPPLY CO. 20334 04/17/19 INVOICE: 92393340		958170 P 04/30/19 270		520975	Maintenance-Equipment		744.60	
20335 04/19/19 INVOICE: 92600158		958170 P 04/30/19 270		520980	Maintenance-Electronics		263.40	
VENDOR TOTALS		3,214.70 YTD INVOICED			3,214.70 YTD PAID		1,008.00	
602 MIDCO, INC. 20336 04/22/19 INVOICE: 334622		20180017 958171 P 04/30/19 40		580140	INFRASTRUCTURE UPGRADES		2,222.30	
VENDOR TOTALS		11,111.51 YTD INVOICED			11,111.51 YTD PAID		2,222.30	
1300 NELS J JOHNSON TREE EXPERTS, INC 20337 03/29/19 INVOICE: 125573		958172 P 04/30/19 270		520971	BUILDING & GROUNDS CONTRA		1,690.00	
VENDOR TOTALS		1,690.00 YTD INVOICED			1,690.00 YTD PAID		1,690.00	
1168 NORTHERN TOOL & EQUIPMENT 20338 04/13/19 INVOICE: 42397117		958173 P 04/30/19 270		520975	MAINTENANCE-EQUIPMENT		807.46	

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VENDOR NAME DOCUMENT	INV DATE VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	TO FISCAL 2019/04 01/01/2019 TO 12/31/2019	P appdware
								807.46 YTD PAID	807.46
VENDOR TOTALS		807.46 YTD INVOICED							
237 RANDALL PRESSURE SYSTEMS, INC. 20339 04/19/19 INVOICE: 1-26074-0		958174 P 04/30/19 270				520975	Maintenance-Equipment		26.80
VENDOR TOTALS		26.80 YTD INVOICED				26.80	YTD PAID		26.80
180 RELADYNE -MID-TOWN PETROLEUM INC. 20341 04/17/19 INVOICE: 1204494-TN		958175 P 04/30/19 270				520975	Maintenance-Equipment		548.05
VENDOR TOTALS		3,043.86 YTD INVOICED				3,043.86	YTD PAID		548.05
1212 RJN GROUP, INC 20342 04/02/19 INVOICE: 341501		20190005 958176 P 04/30/19 40				580150	Plant Equipment Rehabilit		9,410.00
VENDOR TOTALS		50,006.00 YTD INVOICED				50,006.00	YTD PAID		9,410.00
250 SAGINAW CONTROL & ENGINEERING INC 20359 04/24/19 INVOICE: 1222567.01		958177 P 04/30/19 270				520980	Maintenance-Electronics		645.82
VENDOR TOTALS		645.82 YTD INVOICED				645.82	YTD PAID		645.82
939 STAPLES CONTRACT & COMMERCIAL INC. 20356 04/27/19 INVOICE: 3412119802		958178 P 04/30/19 40				580120	Small Capital Projects		250.00
		04/27/19				530100	Office Expenses		51.55
20357 INVOICE: 3412119804		958178 P 04/30/19 270							
VENDOR TOTALS		1,378.84 YTD INVOICED				1,378.84	YTD PAID		301.55
464 STRAND ASSOCIATES, INC. 20346 04/11/19 INVOICE: 147910		20180012 958179 P 04/30/19 40				580150	Plant Equipment Rehabilit		16,855.94
20347 INVOICE: 04/10/19 INVOICE: 147834		20180005 958179 P 04/30/19 40				580180	18001 Electric Svc Distib Sys		3,718.24
VENDOR TOTALS		94,470.37 YTD INVOICED				94,470.37	YTD PAID		20,574.18
738 SUBURBAN LABORATORIES, INC. 20343 04/18/19 INVOICE: 164671		958180 P 04/30/19 270				520806	Professional Services-Lab		370.50
		04/18/19				520806	Professional Services-Lab		370.50
20344 INVOICE: 164670		958180 P 04/30/19 270				520806	Professional Services-Lab		370.50
20345 INVOICE: 04/18/19		958180 P 04/30/19 270				520806	Professional Services-Lab		370.50
20358 INVOICE: 164672 04/26/19		958180 P 04/30/19 270				520806	Professional Services-Lab		130.00

VOUCHERS

MAY 2019

GLENBARD WASTEWATER AUTHORITY
APPROVAL OF VOUCHERS
For the meeting in June 2019

<u>EXPENDITURES:</u>		Check Date	Paid Amount
Accounts Payable Warrant 0419-1		4/16/2019	\$214,786.88
Accounts Payable Warrant 0419-2		4/30/2019	\$411,675.41
Accounts Payable Warrant 0519-1		5/17/2019	\$405,565.51
Accounts Payable Warrant 0519-2		5/31/2019	\$76,188.53
			<u>\$1,108,216.33</u>
			Warrant Total
<u>PAYROLL EXPENDITURES:</u>		April 12, 2019	April 26, 2019
Net Employee Payroll Checks	\$ 37,822.77	\$ 36,959.24	<u>May 10, 2019</u>
			<u>May 24, 2019</u>
			<u>June 7, 2019</u>
<u>Employee & Employer Payroll Deductions:</u>			
Employee Deductions*			
IMRF - Employer contribution	\$18,822.85	\$18,524.95	\$18,399.95
	\$3,679.83	\$3,651.79	\$3,707.17
Social Security/Medicare Tax Withheld - Employer portion	\$4,133.50	\$4,056.16	\$4,096.20
Total Payroll	<u>\$ 64,458.95</u>	<u>\$ 63,192.14</u>	<u>\$ 63,121.68</u>
			GRAND TOTAL
			<u>\$ 1,428,548.71</u>

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TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE VOUCHER	PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT	DESCRIPTION
834 ADLER ROOFING & SHEET METAL, INC.	20180016	958096 P 04/16/19 40	580145		ROOF UPGRADES		
INVOICE: 01/31/19							
INVOICE: PAYMENT 1							
VENDOR TOTALS		96,579.67 YTD INVOICED					
881 AIRGAS, INC	03/20/19	958097 P 04/16/19 270	530443		LIQUID OXYGEN		
INVOICE: 9086764459							
INVOICE: 03/23/19		958097 P 04/16/19 270	530443		LIQUID OXYGEN		
INVOICE: 9500522370							
INVOICE: 03/30/19		958097 P 04/16/19 270	530443		LIQUID OXYGEN		
INVOICE: 9500522590							
INVOICE: 04/06/19		958097 P 04/16/19 270	530443		LIQUID OXYGEN		
INVOICE: 9500527098							
INVOICE: 04/06/19		958097 P 04/16/19 270	520980		MAINTENANCE-ELECTRONICS		
INVOICE: 9960731394							
INVOICE: 04/06/19		20190002 958097 P 04/16/19 40	580180 17004 CRYO VAPORIZOR RENTALS				
INVOICE: 9087156341							
VENDOR TOTALS		139,132.02 YTD INVOICED		60,932.97 YTD PAID			
859 ANALYTICAL SOLUTION, INC	03/26/19	958098 P 04/16/19 270	520806		PROFESSIONAL SERVICES-LAB		
INVOICE: I2004806							
VENDOR TOTALS		2,240.00 YTD INVOICED		1,120.00 YTD PAID			
1260 APPLIED INDUSTRIAL TECHNOLOGIES INC	03/08/19	958099 P 04/16/19 270	520975		MAINTENANCE-EQUIPMENT		
INVOICE: 7015723756							
INVOICE: 03/18/19		958099 P 04/16/19 270	520975		MAINTENANCE-EQUIPMENT		
INVOICE: 7015781703							
INVOICE: 03/22/19		958099 P 04/16/19 270	520975		MAINTENANCE-EQUIPMENT		
INVOICE: 7015837411							
VENDOR TOTALS		1,048.52 YTD INVOICED		851.76 YTD PAID			
942 POWER UP BATTERIES LLC	04/04/19	958100 P 04/16/19 270	520980		MAINTENANCE-ELECTRONICS		
INVOICE: P13212605							
VENDOR TOTALS		3,799.10 YTD INVOICED		2,989.40 YTD PAID			
24 BERLAND'S INC	04/10/19	958102 P 04/16/19 270	520975		MAINTENANCE-EQUIPMENT		
INVOICE: 360503							
VENDOR TOTALS		844.28 YTD INVOICED		844.28 YTD PAID			
33 CALCO, LTD.							

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TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
20229 INVOICE: AU46933	04/04/19			958103 P	04/16/19	270	530440	CHEMICALS
VENDOR TOTALS							169.00	
819 UNITED COMMUNICATIONS 20294 INVOICE: 20294	04/15/19			312.00 YTD INVOICED			169.00	YTD PAID
VENDOR TOTALS							169.00	
47 CINTAS CORPORATION #769 20255 INVOICE: 769557809	03/26/19			958142 P	04/25/19	270	521195	TELECOMMUNICATIONS
VENDOR TOTALS							1,351.92	
768 CINTAS FIRST AID & SAFETY 20230 INVOICE: 8404092595	04/05/19			6,109.55 YTD INVOICED			2,166.12	YTD PAID
VENDOR TOTALS							1,351.92	
644 CLC LUBRICANTS 20214 INVOICE: 89033	03/20/19			958104 P	04/16/19	270	520976	MAINTENANCE-CONTRACTUAL
VENDOR TOTALS							142.70	
1218 COLLEY ELEVATOR CO. 20231 INVOICE: 180776	02/01/19			768.08 YTD INVOICED			339.98	YTD PAID
VENDOR TOTALS							142.70	
490 COMCAST CABLE COMMUNICATIONS, LLC 20233 INVOICE: 20233/3	03/25/19			958105 P	04/16/19	270	530225	SAFETY RELATED EQUIPMNT/S
VENDOR TOTALS							221.14	
1248 B&W CONTROL SYSTEMS, INTEGRATION LLC 20234 INVOICE: 204846	03/24/19			1,198.02 YTD INVOICED			280.95	YTD PAID
VENDOR TOTALS							221.14	
1138 CONSTELLATION ENERGY SERVICES INC 20236	04/05/19			663.69 YTD INVOICED			389.35	YTD PAID
VENDOR TOTALS							180.75	
1218 COLLEY ELEVATOR CO. 20231 INVOICE: 180776	02/01/19			958107 P	04/16/19	270	520971	BUILDING & GROUNDS CONTRA
VENDOR TOTALS							191.00	
1248 B&W CONTROL SYSTEMS, INTEGRATION LLC 20234 INVOICE: 204846	03/24/19			958107 P	04/16/19	270	520971	BUILDING & GROUNDS CONTRA
VENDOR TOTALS							198.00	
1248 B&W CONTROL SYSTEMS, INTEGRATION LLC 20234 INVOICE: 204846	03/24/19			1,161.00 YTD INVOICED			587.00	YTD PAID
VENDOR TOTALS							389.00	
490 COMCAST CABLE COMMUNICATIONS, LLC 20233 INVOICE: 20233/3	03/25/19			958108 P	04/16/19	270	521195	TELECOMMUNICATIONS
VENDOR TOTALS							204.58	
1248 B&W CONTROL SYSTEMS, INTEGRATION LLC 20234 INVOICE: 204846	03/24/19			1,022.90 YTD INVOICED			409.16	YTD PAID
VENDOR TOTALS							204.58	
1138 CONSTELLATION ENERGY SERVICES INC 20236	04/05/19			21,095.96 YTD INVOICED			4,683.73	YTD PAID
VENDOR TOTALS							4,683.73	
1138 CONSTELLATION ENERGY SERVICES INC 20236	04/05/19			958110 P	04/16/19	270	521202	NATURAL GAS
VENDOR TOTALS							7,270.40	

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TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
INVOICE: 2569156	04/05/19			958110 P	04/16/19	270-1	521202	NATURAL GAS
INVOICE: 2569156	04/05/19			958110 P	04/16/19	270	521204	SELF-GEN GAS
INVOICE: 2569156								365.18
VENDOR TOTALS				38,402.11	YTD INVOICED		20,966.11	YTD PAID
994 DIRECT ENERGY MARKETING, INC.								
20265 04/09/19				958143 P	04/25/19	270	521201	ELECTRIC POWER
INVOICE: 190990038004787								28,213.00
20265 04/09/19				958143 P	04/25/19	270-1	521201	ELECTRIC POWER
INVOICE: 190990038004787								2,058.04
20265 04/09/19				958143 P	04/25/19	270-2	521201	ELECTRIC POWER
INVOICE: 190990038004787								1,433.05
20265 04/09/19				958143 P	04/25/19	270-3	521201	ELECTRIC POWER
INVOICE: 190990038004787								990.58
VENDOR TOTALS				229,058.19	YTD INVOICED		79,567.76	YTD PAID
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC								
20286 02/05/19				958111 P	04/16/19	270	520980	MAINTENANCE-ELECTRONICS
INVOICE: 615869								110.00
VENDOR TOTALS				992.77	YTD INVOICED		767.67	YTD PAID
1191 ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC.								
20237 04/01/19				958112 P	04/16/19	270	520981	ELECTRONICS CONTRACTUAL
INVOICE: 93618480								632.88
VENDOR TOTALS				632.88	YTD INVOICED		632.88	YTD PAID
293 VILLAGE OF GLEN ELLYN								
20283 04/01/19				958113 P	04/16/19	270	521203	WATER
INVOICE: 20283								622.61
20284 04/01/19				958113 P	04/16/19	270	521203	WATER
INVOICE: 20284								19.86
VENDOR TOTALS				74,672.81	YTD INVOICED		29,488.01	YTD PAID
1072 GOLDSTONE, SKRODKI, RUSSIAN, NEMEC AND HOFF LTD.								
20238 04/03/19				958114 P	04/16/19	270	520700	LEGAL-GENERAL COUNSEL
INVOICE: 145546								204.00
20239 04/03/19				958114 P	04/16/19	270	520700	LEGAL-GENERAL COUNSEL
INVOICE: 145545								622.20
VENDOR TOTALS				6,689.75	YTD INVOICED		1,679.00	YTD PAID
297 W.W. GRAINGER, INC.								
20240 04/02/19				958115 P	04/16/19	270	520980	MAINTENANCE-ELECTRONICS
INVOICE: 9133513748								32.65

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VENDOR NAME DOCUMENT	INV DATE VOUCHER	PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
20241 INVOICE: 913701800	04/04/19		958115 P	04/16/19	270	520980
20242 INVOICE: 9135291087	04/03/19		958115 P	04/16/19	270	520970
20243 INVOICE: 9135291078	04/03/19		958115 P	04/16/19	270	530225
VENDOR TOTALS						SAFETY RELATED EQUIPMNT/S
743 GROOT, INC 20245 INVOICE:	04/01/19 3163621		5,912.43	YTD INVOICED		3,609.41 YTD PAID
VENDOR TOTALS			1,966.70	YTD INVOICED		1,161.76 YTD PAID
119 HACH COMPANY 20246 INVOICE: 11400691	03/28/19		958117 P	04/16/19	270	530106
20247 INVOICE: 11407339	04/02/19		958117 P	04/16/19	270	530106
VENDOR TOTALS			6,815.21	YTD INVOICED		6,340.99 YTD PAID
985 HOLSTEINS GARAGE 20248 INVOICE:	03/31/19 796		958118 P	04/16/19	270	520976
VENDOR TOTALS			175.00	YTD INVOICED		140.00 YTD PAID
1147 ILLINOIS AMERICAN WATER COMPANY 20249 INVOICE:	03/25/19 20249		958119 P	04/16/19	270-3	521203
VENDOR TOTALS			758.95	YTD INVOICED		380.14 YTD PAID
414 COLLCORP 20295 INVOICE:	03/06/19 8494-1		958144 P	04/25/19	270	520981
VENDOR TOTALS			3,835.00	YTD INVOICED		ELECTRONICS CONTRACTUAL
1278 TYCO FIRE & SECURITY (US) MANAGEMENT, INC. 20289 INVOICE:	04/06/19 32361252		958120 P	04/16/19	270	521195
20290 INVOICE:	04/06/19 32361254		958120 P	04/16/19	270	521195
VENDOR TOTALS			536.88	YTD INVOICED		268.44 YTD PAID
185 KONICA MINOLTA BUSINESS SOLUTIONS INC 20250 INVOICE:	03/25/19		958121 P	04/16/19	270	530100
VENDOR TOTALS						OFFICE EXPENSES
						36.51

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VENDOR NAME DOCUMENT	INV DATE VOUCHER PO	CHECK NO	T CHR DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
INVOICE: 9005537130	398.03 YTD INVOICED			173.98 YTD PAID	
VENDOR TOTALS				36.51	
157 LEN'S ACE HARDWARE, INC. 20215 02/26/19 INVOICE: 88841-3	958122 P 04/16/19 270			520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS	619.97 YTD INVOICED			179.04 YTD PAID	
1184 MATTHEW STREICHER 20264 03/29/19 INVOICE: 20264	958123 P 04/16/19 270			520620	EMPLOYEE EDUCATION
VENDOR TOTALS	110.00 YTD INVOICED			110.00 YTD PAID	
171 MCMASTER-CARR SUPPLY CO. 20207 03/11/19 INVOICE: 88862616 20208 03/11/19 INVOICE: 88862617 20252 03/18/19 INVOICE: 89223895 20292 04/08/19 INVOICE: 91472998	958124 P 04/16/19 270 958124 P 04/16/19 270 958124 P 04/16/19 270 958145 P 04/25/19 270			520975 520975 520975 520975	MAINTENANCE-EQUIPMENT MAINTENANCE-EQUIPMENT MAINTENANCE-EQUIPMENT MAINTENANCE-EQUIPMENT
VENDOR TOTALS	3,347.14 YTD INVOICED			1,514.54 YTD PAID	
1223 CAPITAL ONE NATIONAL ASSN 20253 03/27/19 INVOICE: 317508619046501	958125 P 04/16/19 270			520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS	602.57 YTD INVOICED			231.91 YTD PAID	
1156 ROGUE BEAGLE INITIATIVE, LLC 20254 04/03/19 INVOICE: 2019-54	958126 P 04/16/19 270			520971	BUILDING & GROUNDS CONTRA
VENDOR TOTALS	503.94 YTD INVOICED			503.94 YTD PAID	
1142 GENUINE PARTS CO-NAPA 20209 03/14/19 INVOICE: 701-500405	958127 P 04/16/19 270			520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS	24.76 YTD INVOICED			15.98 YTD PAID	
1087 NOVASPECT, INC. 20256 04/01/19 INVOICE: CD99106745	958128 P 04/16/19 40			580150	PLANT EQUIPMENT REHABILIT
					2,000.11

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
VENDOR TOTALS				2,000.11		YTD INVOICED	2,000.11	YTD PAID
1006 PHENOMA, INC. 20257 INVOICE: 14806/19	03/26/19			958129 P	04/16/19	270	530106	OPERATING SUPPLIES - LAB
VENDOR TOTALS				762.35		YTD INVOICED	762.35	YTD PAID
873 THE PITNEY BOWES BANK, INC 20297 INVOICE: 20291	04/05/19			958130 P	04/16/19	270	530100	OFFICE EXPENSES
VENDOR TOTALS				639.34		YTD INVOICED	437.33	YTD PAID
876 PITNEY BOWES, INC 20258 INVOICE: 3103041707	03/30/19			958131 P	04/16/19	270	530100	OFFICE EXPENSES
VENDOR TOTALS				408.00		YTD INVOICED	204.00	YTD PAID
1226 RC CLEANING COMPANY 20259 INVOICE: 20559	03/21/19			958132 P	04/16/19	270	520971	BUILDING & GROUNDS CONTRA
20260 INVOICE: 20260	04/01/19			958132 P	04/16/19	270	520971	BUILDING & GROUNDS CONTRA
VENDOR TOTALS				5,100.00		YTD INVOICED	3,060.00	YTD PAID
412 NESTLE WATERS NORTH AMERICA 20288 INVOICE: 19D8100616302	04/06/19			958133 P	04/16/19	270	530100	OFFICE EXPENSES
VENDOR TOTALS				624.16		YTD INVOICED	283.63	YTD PAID
180 RELADYNE -MID-TOWN PETROLEUM INC. 20261 INVOICE: 1201669-IN	04/05/19			958134 P	04/16/19	270	520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS				3,659.76		YTD INVOICED	1,732.00	YTD PAID
1212 RJN GROUP , INC 20262 INVOICE: 30502/7	04/02/19		20190001	958135 P	04/16/19	270	520981	ELECTRONICS CONTRACTUAL
VENDOR TOTALS				69,735.00		YTD INVOICED	39,288.00	YTD PAID
939 STAPLES CONTRACT & COMMERCIAL INC. 20263 INVOICE: 3408751650	03/13/19			958136 P	04/16/19	270	530100	OFFICE EXPENSES
20293 INVOICE: 04/10/19				958136 P	04/16/19	270	530100	OFFICE EXPENSES

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
INVOICE : 3410991504								
VENDOR TOTALS								
738 SUBURBAN LABORATORIES, INC.								
20270 01/11/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 162345				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20271 01/24/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 162450				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20272 01/24/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 162449				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20273 02/19/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 163058				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20274 02/19/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 163059				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20275 03/12/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 163626				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20276 03/06/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 163627				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20277 03/21/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 163787				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20278 03/27/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 163899				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
20279 04/08/19				958137 P 04/16/19	270		520806	PROFESSIONAL SERVICES-LAB
INVOICE : 164422								
VENDOR TOTALS								
13,252.50 YTD INVOICED								
1271 SYNAGRO-MWT	03/31/19			958146 P 04/25/19	270		521150	SLUDGE DISPOSAL - LAND
INVOICE : 20-134576								
VENDOR TOTALS								
72,352.00 YTD INVOICED								
271 TERRACE SUPPLY COMPANY								
20269 03/31/19				958138 P 04/16/19	270		520976	MAINTENANCE-CONTRACTUAL
INVOICE : 998428								
VENDOR TOTALS								
623.91 YTD INVOICED								
1299 THOMAS ROMZA								
20298 04/18/19				958147 P 04/25/19	270		520620	EMPLOYEE EDUCATION
INVOICE : 20298								
VENDOR TOTALS								
240.00 YTD INVOICED								
1298 UNDERGROUND SAFETY & SUPPLY LLC								
20287 04/04/19				958139 P 04/16/19	270		530225	SAFETY RELATED EQUIPMENT/S
INVOICE : 2568								
VENDOR TOTALS								
240.00 YTD PAID								
125.00								

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VENDOR NAME DOCUMENT	INV DATE VOUCHER	PO	CHECK NO	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
VENDOR TOTALS		125.00	YTD INVOICED		125.00	YTD PAID
988 VERTIZON WIRELESS SERVICES LLC 20280 02/01/19 INVOICE: 9823347507 20282 04/01/19 INVOICE: 9827309885		958140 P 04/16/19 270 958140 P 04/16/19 270		521195 521195	TELECOMMUNICATIONS TELECOMMUNICATIONS	228.28 227.62
VENDOR TOTALS		4,599.09	YTD INVOICED		2,818.26	YTD PAID
309 WILKENS-ANDERSON CO 20285 03/13/19 INVOICE: 51182868.001		958141 P 04/16/19 270		530106	OPERATING SUPPLIES - LAB	147.72
VENDOR TOTALS		283.08	YTD INVOICED		147.72	YTD PAID
					147.72	REPORT TOTALS
					214,786.88	
					COUNT	AMOUNT
					51	214,786.88

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHQ DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
VENDOR TOTALS								
1301 ALAN GAUS 20299	04/12/19 INVOICE: 3227			958148 P	04/30/19	40	580140	INFRASTRUCTURE UPGRADES
							3,000.00	YTD PAID
							3,000.00	
881 AIRGAS, INC 20300	04/13/19 INVOICE: 9500527341			958149 P	04/30/19	270	530443	LIQUID OXYGEN
20301	04/20/19 INVOICE: 9500527529			958149 P	04/30/19	270	530443	LIQUID OXYGEN
20361	04/22/19 INVOICE: 9500527738			958149 P	04/30/19	270	530443	LIQUID OXYGEN
							3,973.36	
							15,306.59	
VENDOR TOTALS								
1130 ALFA LAVAL INC 20302	04/18/19 INVOICE: 279020739			958150 P	04/30/19	270	520975	MAINTENANCE-EQUIPMENT
							3,050.63	
							3,050.63	
VENDOR TOTALS								
1246 FOX MARKETING GROUP 20303	04/23/19 INVOICE: 30328			958151 P	04/30/19	270	530100	OFFICE EXPENSES
							163.88	
							163.88	
VENDOR TOTALS								
859 ANALYTICAL SOLUTION, INC 20304	04/18/19 INVOICE: T2004829			958152 P	04/30/19	270	520806	PROFESSIONAL SERVICES-LAB
							560.00	
							560.00	
VENDOR TOTALS								
1260 APPLIED INDUSTRIAL TECHNOLOGIES INC 20305	04/11/19 INVOICE: 7015998122			958153 P	04/30/19	270	520975	MAINTENANCE-EQUIPMENT
							1,120.00	YTD PAID
							1,120.00	
VENDOR TOTALS								
942 POWER UP BATTERIES LLC 20306	04/10/19 INVOICE: P1340728			958154 P	04/30/19	270	520980	MAINTENANCE-ELECTRONICS
20307	04/19/19 INVOICE: P13730713			958154 P	04/30/19	270	520980	MAINTENANCE-ELECTRONICS
							94.75	
VENDOR TOTALS								
996 BROOK ELECTRICAL DISTRIBUTION 20308	04/23/19 INVOICE: S008323269.001			958155 P	04/30/19	270	520980	MAINTENANCE-ELECTRONICS
							336.18	
							336.18	

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
VENDOR TOTALS				336.18	YTD INVOICED		336.18	YTD PAID
37 CDW GOVERNMENT, INC.	04/23/19			958156 P	04/30/19	270	520980	Maintenance-Electronics
INVOICE: RZM4031								59.32
VENDOR TOTALS				140.81	YTD INVOICED		140.81	YTD PAID
1268 JP MORGAN CHASE NA				2490 W	04/30/19	270	520975	Maintenance-Equipment
194658 04/05/19				2500 W	04/30/19	270	520980	Maintenance-Electronics
INVOICE: LENG-28				2503 W	04/30/19	270	520620	Employee Education
194667 04/05/19				2491 W	04/30/19	270	530100	Office Expenses
INVOICE: FRER-9				2492 W	04/30/19	270	520620	Employee Education
194675 04/05/19				2493 W	04/30/19	270	520970	Maintenance-Building & GR
INVOICE: STRM-6				2494 W	04/30/19	270	530100	Office Expenses
20363 04/05/19				2495 W	04/30/19	270	520620	Employee Education
INVOICE: LENG-29				2496 W	04/30/19	270	521195	Telecommunications
20364 04/05/19				2497 W	04/30/19	270	520620	Employee Education
INVOICE: LENG-30				2498 W	04/30/19	270	522625	Travel
20365 04/05/19				2499 W	04/30/19	270	520620	Employee Education
INVOICE: LENG-31				2501 W	04/30/19	40	580120	Small Capital Projects
20366 04/05/19				2502 W	04/30/19	270	520980	Maintenance-Electronics
INVOICE: LENG-32				2504 W	04/30/19	270	520620	Employee Education
20367 04/05/19				2505 W	04/30/19	270	520620	Employee Education
INVOICE: LENG-33				2506 W	04/30/19	270	520620	Employee Education
20368 04/05/19				2507 W	04/30/19	270	520620	Employee Education
INVOICE: LENG-34				2508 W	04/30/19	270	520620	Employee Education
20369 04/05/19				2509 W	04/30/19	270	520620	Employee Education
INVOICE: LENG-35				2510 W	04/30/19	270	520620	Employee Education
20370 04/05/19								29.49
INVOICE: LENG-36								
20371 04/05/19								
INVOICE: RONT-1								
20372 04/05/19								
INVOICE: FRER-10								
20373 04/05/19								
INVOICE: FRER-11								
20374 04/05/19								
INVOICE: STRM-7								
20375 04/05/19								
INVOICE: STRM-8								
20376 04/05/19								
INVOICE: STRM-9								
20377 04/05/19								
INVOICE: STRM-10								
20378 04/05/19								
INVOICE: STRM-11								
20379 04/05/19								
INVOICE: STRM-12								
20380 04/05/19								

GWA Live

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VENDOR NAME	DOCUMENT	TN#	DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
INVOICE:	STRM-13									
VENDOR TOTALS		13,	640.94	YTD INVOICED					8,310.08 YTD PAID	
1289 CHEYENNE LIVESTOCK & PROD., INC.		20310	04/09/19		958157 P	04/30/19	270		530225	SAFETY RELATED EQUIPMENT/S
INVOICE:	32403									5,123.72
VENDOR TOTALS									1,184.00	1,184.00
1160 CHICAGO METROPOLITAN FIRE PREVENTION CO.		20311	04/15/19		958158 P	04/30/19	270		1,184.00 YTD PAID	
INVOICE:	IN00304006									1,184.00
VENDOR TOTALS									520981	ELECTRONICS CONTRACTUAL
1138 CONSTELLATION ENERGY SERVICES INC		20312	04/15/19		958159 P	04/30/19	270		171.00 YTD PAID	
INVOICE:	2577888								521202	NATURAL GAS
20312	04/15/19				958159 P	04/30/19	270-1			7,012.43
INVOICE:	2577888								521202	NATURAL GAS
20312	04/15/19				958159 P	04/30/19	270			321.41
INVOICE:	2577888								521204	SELF-GEN GAS
VENDOR TOTALS										381.89
38,402.11 YTD INVOICED									20,966.11 YTD PAID	
659 DUPAGE RIVER/SALT CREEK WORKGROUP		20313	04/10/19		958160 P	04/30/19	270		520776	TMDL COMMITMENT
INVOICE:	157									32,180.00
20313	04/10/19				958160 P	04/30/19	40		580180 16004 DRSCW PROJECT ASSESSMENT	
INVOICE:	157									264,374.00
VENDOR TOTALS										
296,554.00 YTD INVOICED									296,554.00 YTD PAID	
94 FEDERAL EXPRESS CORPORATION		20352	02/21/19		958161 P	04/30/19	270		520975	MAINTENANCE-EQUIPMENT
INVOICE:	1-788-02543-A									11.90
VENDOR TOTALS									11.90 YTD PAID	
293 VILLAGE OF GLEN ELLYN		1013165	04/30/19		2489 W	04/30/19	270		521130	OVERHEAD FEES
INVOICE:	IFT-174									10,977.17
1013165	04/30/19				2489 W	04/30/19	270		520976	MAINTENANCE-CONTRACTUAL
INVOICE:	IFT-174									3,058.33
VENDOR TOTALS										
74,672.81 YTD INVOICED									29,488.01 YTD PAID	
297 W.W. GRAINGER, INC.		20315	04/05/19		958162 P	04/30/19	270		520970	MAINTENANCE-BUILDING & GR
INVOICE:	9138044301									868.48

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
20316 INVOICE:	04/16/19		958162 P 04/30/19 270		520980		MAINTENANCE-ELECTRONICS	311.60
20318 INVOICE:	04/16/19		958162 P 04/30/19 270		520970		MAINTENANCE-BUILDING & GR	-217.12
20319 INVOICE:	04/16/19		958162 P 04/30/19 270		520970		MAINTENANCE-BUILDING & GR	217.12
20333 INVOICE:	04/24/19		958162 P 04/30/19 270		520980		MAINTENANCE-ELECTRONICS	73.26
9155661011 INVOICE:								
VENDOR TOTALS			5,912.43	YTD INVOICED		3,609.41	YTD PAID	1,253.34
119 HACH COMPANY 20320 INVOICE:	04/16/19		958163 P 04/30/19 270		520980		MAINTENANCE-ELECTRONICS	309.47
20321 INVOICE:	04/18/19		958163 P 04/30/19 270		520980		MAINTENANCE-ELECTRONICS	121.15
20360 INVOICE:	04/19/19		958163 P 04/30/19 270		530106		OPERATING SUPPLIES - LAB	135.93
11433020 INVOICE:	11433020							
VENDOR TOTALS			6,815.21	YTD INVOICED		6,340.99	YTD PAID	566.55
124 HOME DEPOT USA, INC 20322 INVOICE:	04/12/19		958164 P 04/30/19 270		520990		OPERATIONS - SUPPLIES	201.77
20323 INVOICE:	04/11/19		958164 P 04/30/19 270		520990		OPERATIONS - SUPPLIES	5.97
20323 INVOICE:	2261408		958164 P 04/30/19 270		520970		MAINTENANCE-BUILDING & GR	479.84
20323 INVOICE:	2261408		958164 P 04/30/19 270		520970		MAINTENANCE-BUILDING & GR	479.84
20324 INVOICE:	03/20/19		958164 P 04/30/19 270		520990		OPERATIONS - SUPPLIES	39.76
20325 INVOICE:	4074278		958164 P 04/30/19 270		520980		MAINTENANCE-ELECTRONICS	44.94
20325 INVOICE:	04/09/19		958164 P 04/30/19 270		520980		MAINTENANCE-ELECTRONICS	36.65
20326 INVOICE:	03/28/19		958164 P 04/30/19 270		520975		MAINTENANCE-EQUIPMENT	219.94
20327 INVOICE:	03/21/19		958164 P 04/30/19 270					
3612216 INVOICE:	3612216							
VENDOR TOTALS			2,416.45	YTD INVOICED		1,863.42	YTD PAID	1,028.87
1147 ILLINOIS AMERICAN WATER COMPANY 20355 INVOICE:	04/23/19		958165 P 04/30/19 270-3		521203		WATER	126.25
20355 INVOICE:	20355							
VENDOR TOTALS			758.95	YTD INVOICED		380.14	YTD PAID	126.25
434 LAI LTD. 20362 INVOICE:	04/19/19		958166 P 04/30/19 40		580120		SMALL CAPITAL PROJECTS	5,000.00
19-16409 INVOICE:	19-16409							
VENDOR TOTALS			5,000.00	YTD INVOICED		5,000.00	YTD PAID	5,000.00

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VENDOR NAME DOCUMENT	INV. DATE	VOUCHER	PO	CHECK NO	F CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
VENDOR TOTALS							
1133 LAUTERBACH & AMEN LLP INVOICE: 34967	03/22/19		958167 P 04/30/19 270		520825	AUDIT FEES - PROF SERVICE	9,400.00
					9,400.00	YTD PAID	9,400.00
VENDOR TOTALS							
157 LEN'S ACE HARDWARE, INC. 20328 04/05/19 INVOICE: 89436-3		958168 P 04/30/19 270		520990	OPERATIONS - SUPPLIES	29.56	
20329 04/08/19 INVOICE: 89465-3		958168 P 04/30/19 270		530107	OPERATING EXPENSES - PRET	15.98	
20330 04/09/19 INVOICE: 89483-3		958168 P 04/30/19 270		520975	MAINTENANCE-EQUIPMENT	3.10	
20331 04/10/19 INVOICE: 89506-3		958168 P 04/30/19 270		520990	OPERATIONS - SUPPLIES	27.94	
20332 04/23/19 INVOICE: 89714-3		958168 P 04/30/19 270		520990	OPERATIONS - SUPPLIES	23.66	
VENDOR TOTALS							
295 VILLAGE OF LOMBARD 20349 04/15/19 INVOICE: 20349 20350 04/15/19 INVOICE: 20350		958169 P 04/30/19 270-1 958169 P 04/30/19 270		521203	WATER	399.50	
				521203	WATER	18.80	
VENDOR TOTALS							
171 MCMASTER-CARR SUPPLY CO. 20334 04/17/19 INVOICE: 92393340		958170 P 04/30/19 270		520975	MAINTENANCE-EQUIPMENT	744.60	
20335 04/19/19 INVOICE: 92600158		958170 P 04/30/19 270		520980	MAINTENANCE-ELECTRONICS	263.40	
VENDOR TOTALS							
602 MIDCO, INC. 20336 04/22/19 INVOICE: 334622		20180017 958171 P 04/30/19 40		580140	INFRASTRUCTURE UPGRADES	1,008.00	
VENDOR TOTALS							
1300 NELS J JOHNSON TREE EXPERTS, INC 20337 03/29/19 INVOICE: 125573		11,111.51 YTD INVOICED		2,222.30	YTD PAID	2,222.30	
VENDOR TOTALS							
1168 NORTHERN TOOL & EQUIPMENT 20338 04/13/19 INVOICE: 42397117		1,690.00 YTD INVOICED		1,690.00	YTD PAID	1,690.00	
VENDOR TOTALS							
				520975	MAINTENANCE-EQUIPMENT	807.46	

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VENDOR NAME DOCUMENT	INV DATE VOUCHER	PO	CHECK NO.	T CTR	DATE GL ACCOUNT	GL ACCOUNT	DESCRIPTION
VENDOR TOTALS		910.40	YTD INVOICED		910.40	YTD PAID	807.46
237 RANDALL PRESSURE SYSTEMS, INC. 20339 04/19/19 INVOICE: I-26074-0		958174 P	04/30/19 270		520975	MAINTENANCE-EQUIPMENT	26.80
VENDOR TOTALS		26.80	YTD INVOICED		26.80	YTD PAID	26.80
180 RELADYNE -MID-TOWN PETROLEUM INC. 20341 04/17/19 INVOICE: 1204494-IN		958175 P	04/30/19 270		520975	MAINTENANCE-EQUIPMENT	548.05
VENDOR TOTALS		3,659.76	YTD INVOICED		1,732.00	YTD PAID	548.05
1212 RJN GROUP, INC. 20342 04/02/19 INVOICE: 341501		20190005	958176 P	04/30/19 40	580150	PLANT EQUIPMENT REHABILIT	9,410.00
VENDOR TOTALS		69,735.00	YTD INVOICED		39,288.00	YTD PAID	9,410.00
250 SAGINAW CONTROL & ENGINEERING INC 20359 04/24/19 INVOICE: 1222567.01		958177 P	04/30/19 270		520980	MAINTENANCE-ELECTRONICS	645.82
VENDOR TOTALS		645.82	YTD INVOICED		645.82	YTD PAID	645.82
939 STAPLES CONTRACT & COMMERCIAL INC. 20356 04/27/19 INVOICE: 3412119802 20357 04/27/19 INVOICE: 3412119804		958178 P	04/30/19 40		580120	SMALL CAPITAL PROJECTS	250.00
VENDOR TOTALS		2,013.14	YTD INVOICED		1,086.40	YTD PAID	301.55
464 STRAND ASSOCIATES, INC. 20346 04/11/19 INVOICE: 147910 20347 04/10/19 INVOICE: 147834		20180012	958179 P	04/30/19 40	580150	PLANT EQUIPMENT REHABILIT	16,855.94
VENDOR TOTALS		125,562.30	YTD INVOICED		51,666.11	YTD PAID	20,574.18
738 SUBURBAN LABORATORIES, INC. 20343 04/18/19 INVOICE: 164671 20344 04/18/19 INVOICE: 164670 20345 04/18/19 INVOICE: 164672 20358 04/26/19		958180 P	04/30/19 270		520806	PROFESSIONAL SERVICES-LAB	370.50
		958180 P	04/30/19 270		520806	PROFESSIONAL SERVICES-LAB	370.50
		958180 P	04/30/19 270		520806	PROFESSIONAL SERVICES-LAB	370.50
		958180 P	04/30/19 270		520806	PROFESSIONAL SERVICES-LAB	130.00

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Report generated: 06/05/2019 11:26
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Program ID: appdwarf

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER PO	CHECK NO	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
VENDOR TOTALS						
964 AIR SERVICES COMPANY 20406 05/09/19 INVOICE: 418362		958184 P 05/17/19 270			520975	MAINTENANCE-EQUIPMENT
					3,146.76 YTD PAID	386.42
881 AIRGAS, INC 20381 05/04/19 INVOICE: 9088433222	20190002	958185 P 05/17/19 40			580180 17004 CRYO VAPORIZOR RENTALS	1,500.00
20382 05/04/19 INVOICE: 9500332269		958185 P 05/17/19 270			530443 LIQUID OXYGEN	7,259.48
20383 05/04/19 INVOICE: 9961408806		958185 P 05/17/19 270			520980 MAINTENANCE-ELECTRONICS	57.01
20384 05/11/19 INVOICE: 9500332517		958185 P 05/17/19 270			530443 LIQUID OXYGEN	4,213.25
VENDOR TOTALS		139,132.02 YTD INVOICED			60,932.97 YTD PAID	13,029.74
9 ALEXANDER CHEMICAL CORPORATION 20385 05/04/19 INVOICE: SLS10080231		958186 P 05/17/19 270-1			530440 CHEMICALS	3,103.97
VENDOR TOTALS		9,364.43 YTD INVOICED			6,216.23 YTD PAID	3,103.97
1246 FOX MARKETING GROUP 20386 05/10/19 INVOICE: 30373		958187 P 05/17/19 270			530107 OPERATING EXPENSES - PRET	116.36
VENDOR TOTALS		436.24 YTD INVOICED			331.24 YTD PAID	116.36
1303 ARCHON ASSOCIATES INC 20387 08/31/18 INVOICE: 18052		958188 P 05/17/19 270			520971 BUILDING & GROUNDS CONTRA	4,576.33
VENDOR TOTALS		4,576.33 YTD INVOICED			4,576.33 YTD PAID	4,576.33
1088 BANNER PERSONNEL SERVICE, INC. 20388 04/20/19 INVOICE: 35805		958189 P 05/17/19 270			521055 PROFESSIONAL SERVICES - O	185.76
VENDOR TOTALS		185.76 YTD INVOICED			185.76 YTD PAID	185.76
1221 BOLLER CONSTRUCTION CO, INC 20389 12/31/18 INVOICE: PAYMENT 16	20170007	2511 W 05/15/19 40			580180 14007 FACILITY IMPROVEMENT PROJ	228,756.00
VENDOR TOTALS		660,174.00 YTD INVOICED			228,756.00 YTD PAID	228,756.00
819 UNITED COMMUNICATIONS 20407 05/15/19 INVOICE: 20407		958190 P 05/17/19 270			521195 TELECOMMUNICATIONS	814.20

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VENDOR NAME DOCUMENT	INV. DATE	VOUCHER PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
VENDOR TOTALS		6,109.55	YTD INVOICED		2,166.12	YTD PAID	814.20
768 CINTAS FIRST AID & SAFETY 20390 05/10/19 INVOICE: 8404139707		958191 P 05/17/19	270	530225	SAFETY RELATED EQUIPMENT/S		59.81
VENDOR TOTALS		1,198.02	YTD INVOICED		280.95	YTD PAID	59.81
644 CLC LUBRICANTS 20391 05/02/19 INVOICE: 89712		958192 P 05/17/19	270	520975	MAINTENANCE-EQUIPMENT		208.60
VENDOR TOTALS		663.69	YTD INVOICED		389.35	YTD PAID	208.60
1218 COLLEY ELEVATOR CO 20392 05/01/19 INVOICE: 183930		958193 P 05/17/19	270	520971	BUILDING & GROUNDS CONTRA		198.00
VENDOR TOTALS		1,161.00	YTD INVOICED		587.00	YTD PAID	198.00
490 COMCAST CABLE COMMUNICATIONS, LLC 20467 04/25/19 INVOICE: 20467		958194 P 05/17/19	270	521195	TELECOMMUNICATIONS		204.58
VENDOR TOTALS		1,022.90	YTD INVOICED		409.16	YTD PAID	204.58
1138 CONSTELLATION ENERGY SERVICES INC 20414 05/13/19 INVOICE: 2597891 20414 05/13/19 INVOICE: 2597891 20414 05/13/19 INVOICE: 2597891		958195 P 05/17/19	270	521202	NATURAL GAS		4,344.87
VENDOR TOTALS		38,402.11	YTD INVOICED		20,966.11	YTD PAID	5,085.28
981 CROSS RHODES REPROGRAPHICS INC. 20465 05/10/19 INVOICE: 37142 20466 05/10/19 INVOICE: 37141		958196 P 05/17/19	40	580120	SMALL CAPITAL PROJECTS		202.50
VENDOR TOTALS		706.02	YTD INVOICED		382.50	YTD PAID	382.50
994 DIRECT ENERGY MARKETING, INC. 20394 05/09/19 INVOICE: 191290038324995 20394 05/09/19 INVOICE: 191290038324995 20394 05/09/19		958197 P 05/17/19	270	521201	ELECTRIC POWER		41,313.91
VENDOR TOTALS		958197 P 05/17/19	270-1	521201	ELECTRIC POWER		2,989.34
VENDOR TOTALS		958197 P 05/17/19	270-2	521201	ELECTRIC POWER		1,519.26

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INVOICE: 191290038324995 20394 INVOICE: 191290038324995			958197 P 05/17/19 270-3		521201	ELECTRIC POWER
VENDOR TOTALS	229,058.19	YTD INVOICED			79,567.76	YTD PAID
74 DREISILKER ELECTRIC MOTORS INC 20395 INVOICE: I120051			958198 P 05/17/19 270		520980	MAINTENANCE-ELECTRONICS
VENDOR TOTALS	907.70	YTD INVOICED			776.82	YTD PAID
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC 20459 INVOICE: 830419 20460 INVOICE: 04/24/19 20462 INVOICE: 805142 INVOICE: 05/06/19 INVOICE: 835801			958199 P 05/17/19 270		520980	MAINTENANCE-ELECTRONICS
VENDOR TOTALS	992.77	YTD INVOICED			767.67	YTD PAID
107 GASVODA & ASSOCIATES, INC. 20396 INVOICE: 04/30/19 INVOICE: 1900862			958200 P 05/17/19 270		520980	MAINTENANCE-ELECTRONICS
VENDOR TOTALS	787.50	YTD INVOICED			787.50	YTD PAID
293 VILLAGE OF GLEN ELLYN 20457 INVOICE: 20457 20458 INVOICE: 05/01/19 INVOICE: 20458			958201 P 05/17/19 270		521203	WATER
VENDOR TOTALS	74,672.81	YTD INVOICED			29,488.01	YTD PAID
1072 GOLDSTINE, SKRODZKI, RUSSIAN, NEMEC AND HOFF LTD. 20397 INVOICE: 146090 20398 INVOICE: 05/09/19 20399 INVOICE: 146116 INVOICE: 05/08/19 INVOICE: 146091			958202 P 05/17/19 270		520700	LEGAL-GENERAL COUNSEL
VENDOR TOTALS	6,689.75	YTD INVOICED			1,679.00	YTD PAID
297 W.W. GRAINGER, INC. 20400 INVOICE: 04/30/19 20401 INVOICE: 9161701397 INVOICE: 05/02/19 INVOICE: 9164265994			958203 P 05/17/19 270-1		520975	MAINTENANCE-EQUIPMENT
			958203 P 05/17/19 270		520975	MAINTENANCE-EQUIPMENT
						852.80
						921.16
						21.16

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20402 INVOICE: 9164977838	05/03/19		958203 P 05/17/19 270			520975		MAINTENANCE-EQUIPMENT	21.16
20403 INVOICE: 9163650816	05/02/19		958203 P 05/17/19 270			520975		MAINTENANCE-EQUIPMENT	187.00
20404 INVOICE: 9171428577	05/10/19		958203 P 05/17/19 270			520970		MAINTENANCE-BUILDING & GR	114.45
20408 INVOICE: 9170920699	05/09/19		958203 P 05/17/19 270			520975		MAINTENANCE-EQUIPMENT	149.76
VENDOR TOTALS							3,609.41 YTD INVOICED		1,414.69
743 GROOT, INC 20405 INVOICE: 3344405	05/01/19		958204 P 05/17/19 270			520991		OPERATIONS - CONTRACTUAL	307.38
20405 INVOICE: 3344405	05/01/19		958204 P 05/17/19 270-1			530105		OPERATING SUPPLIES	539.40
VENDOR TOTALS							1,161.76 YTD PAID		846.78
119 HACH COMPANY 20415 INVOICE: 11447810	05/01/19		958205 P 05/17/19 270			520981		ELECTRONICS CONTRACTUAL	5,485.00
VENDOR TOTALS							6,340.99 YTD PAID		5,485.00
985 HOLSTEINS GARAGE 20416 INVOICE: 841	04/30/19		958206 P 05/17/19 270			520976		MAINTENANCE-CONTRACTUAL	35.00
VENDOR TOTALS							140.00 YTD PAID		35.00
124 HOME DEPOT USA, INC 20417 INVOICE: 9193594	04/24/19		958207 P 05/17/19 40			580120		SMALL CAPITAL PROJECTS	40.00
20418 INVOICE: 5270353	04/18/19		958207 P 05/17/19 40			580120		SMALL CAPITAL PROJECTS	341.62
20419 INVOICE: 3524065	04/30/19		958207 P 05/17/19 40			580120		SMALL CAPITAL PROJECTS	26.24
20420 INVOICE: 5525075	05/08/19		958207 P 05/17/19 270			520970		MAINTENANCE-BUILDING & GR	9.96
20421 INVOICE: 9370288	04/24/19		958207 P 05/17/19 270			520975		MAINTENANCE-EQUIPMENT	212.93
20422 INVOICE: 1034223	04/22/19		958207 P 05/17/19 270			520975		MAINTENANCE-EQUIPMENT	54.86
20423 INVOICE: 2084493	05/01/19		958207 P 05/17/19 270			520975		MAINTENANCE-EQUIPMENT	148.94
VENDOR TOTALS							1,863.42 YTD PAID		834.55
1304 ILLINOIS PROCESS EQUIPMENT 20425	05/09/19		958208 P 05/17/19 270			520975		MAINTENANCE-EQUIPMENT	583.96

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
INVOICE: 17595					583.96	YTD INVOICED
VENDOR TOTALS					583.96	YTD PAID
787 JWC ENVIRONMENTAL LLC 20464 05/01/19 INVOICE: 97189		958209 P 05/17/19 40		580120	583.96	SMALL CAPITAL PROJECTS
VENDOR TOTALS					18,539.86	YTD PAID
185 KONICA MINOLTA BUSINESS SOLUTIONS INC 20426 04/25/19 INVOICE: 9005632302		958210 P 05/17/19 270		530100	18,539.86	OFFICE EXPENSES
VENDOR TOTALS					173.98	YTD PAID
666 LABSOURCE, INC. 20427 04/26/19 INVOICE: 6492889		958211 P 05/17/19 270		520990	137.47	OPERATIONS - SUPPLIES
VENDOR TOTALS					687.68	YTD PAID
1264 LAWSON PRODUCTS INC. 20428 04/29/19 INVOICE: 9306679775		958212 P 05/17/19 270		520975	687.68	Maintenance-Equipment
VENDOR TOTALS					141.26	YTD PAID
158 LESMAN INSTRUMENT CO. 20429 05/07/19 INVOICE: PS1138406		958213 P 05/17/19 270		520980	2.36	Maintenance-Electronics
VENDOR TOTALS					821.15	YTD PAID
171 MCMASTER-CARR SUPPLY CO. 20430 04/30/19 INVOICE: 93515039		958214 P 05/17/19 270		520975	821.15	Maintenance-Equipment
VENDOR TOTALS					1,514.54	YTD PAID
1211 GMC METALS, INC. 20431 05/08/19 INVOICE: 1010727		958215 P 05/17/19 270		520975	132.44	Maintenance-Equipment
VENDOR TOTALS					79.00	YTD PAID
795 MINE SAFETY APPLIANCES COMPANY 20433 04/30/19 INVOICE: 960296860		958216 P 05/17/19 270		520980	79.00	Maintenance-Electronics
					607.10	

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
VENDOR TOTALS			607.10	YTD INVOICED			607.10	YTD PAID
188 MOTION INDUSTRIES INC 20434 05/04/19 INVOICE: IL10-661019			958217 P	05/17/19 270			520980	MAINTENANCE-ELECTRONICS
VENDOR TOTALS			339.94	YTD INVOICED			322.16	YTD PAID
199 NEUCO, INC. 20435 05/02/19 INVOICE: 3712442 05/02/19 INVOICE: 3712440 20438 05/02/19 INVOICE: 3713714			958218 P	05/17/19 270			520980	MAINTENANCE-ELECTRONICS
VENDOR TOTALS			958218 P	05/17/19 270			520980	MAINTENANCE-ELECTRONICS
209 NCL OF WISCONSIN INC 20439 04/22/19 INVOICE: 422196			958219 P	05/17/19 270			530106	OPERATING SUPPLIES - LAB
VENDOR TOTALS			3,540.21	YTD INVOICED			1,568.56	YTD PAID
1168 NORTHERN TOOL & EQUIPMENT 20440 05/07/19 INVOICE: 42541236			958220 P	05/17/19 270			520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS			910.40	YTD INVOICED			910.40	YTD PAID
539 OAK BROOK MECHANICAL SERVICES, INC. 20441 04/30/19 INVOICE: 15925			958221 P	05/17/19 40			580140	INFRASTRUCTURE UPGRADES
VENDOR TOTALS			13,621.00	YTD INVOICED			13,621.00	YTD PAID
211 OMI INDUSTRIES 20442 04/23/19 INVOICE: 517729			958222 P	05/17/19 270			520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS			375.43	YTD INVOICED			375.43	YTD PAID
1302 PACE ANALYTICAL SERVICES INC 20449 04/27/19 INVOICE: 1960074891			958223 P	05/17/19 270			520806	PROFESSIONAL SERVICES-LAB
VENDOR TOTALS			815.00	YTD INVOICED			815.00	YTD PAID
873 THE PITNEY BOWES BANK, INC 20410 05/05/19			958224 P	05/17/19 270			530100	OFFICE EXPENSES
								402.50

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
INVOICE: 20410					437.33 YTD PAID	402.50
VENDOR TOTALS	639.34 YTD INVOICED					
224 POLYDyne INC 20411 05/03/19 INVOICE: 1348313	958225 P 05/17/19 270		530440		CHEMICALS	9,902.88
VENDOR TOTALS	9,902.88 YTD INVOICED					
952 PROGRAM ONE PROFESSIONAL BUILDING SERVICES INC. 20412 05/07/19 INVOICE: 123231	958226 P 05/17/19 270		520971		BUILDING & GROUNDS CONTRA	210.00
VENDOR TOTALS	420.00 YTD INVOICED					
233 PVS MINIBULK, INC 20413 05/03/19 INVOICE: 132962	958227 P 05/17/19 270-1		530440		CHEMICALS	3,840.84
VENDOR TOTALS	6,847.68 YTD INVOICED					
412 NESTLE WATERS NORTH AMERICA 20443 05/08/19 INVOICE: 19E8100616302	958228 P 05/17/19 270		530100		OFFICE EXPENSES	146.81
VENDOR TOTALS	624.16 YTD INVOICED					
180 RELADYNE -MID-TOWN PETROLEUM INC. 20444 05/03/19 INVOICE: 1207955	958229 P 05/17/19 270		520975		MAINTENANCE-EQUIPMENT	615.90
VENDOR TOTALS	3,659.76 YTD INVOICED					
1212 RJN GROUP, INC 20445 05/01/19 INVOICE: 305028	20190001 958230 P 05/17/19 270		520981		ELECTRONICS CONTRACTUAL	10,149.00
20446 05/01/19 INVOICE: 341502	20190005 958230 P 05/17/19 40		580150		PLANT EQUIPMENT REHABILIT	9,580.00
VENDOR TOTALS	69,735.00 YTD INVOICED					
939 STAPLES CONTRACT & COMMERCIAL INC. 20447 05/02/19 INVOICE: 3413146092	958231 P 05/17/19 270		530100		OFFICE EXPENSES	208.20
20448 05/02/19 INVOICE: 3413146091	958231 P 05/17/19 270		530100		OFFICE EXPENSES	7.89
20449 05/10/19 INVOICE: 3413692326	958231 P 05/17/19 270		530100		OFFICE EXPENSES	354.57

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT	DESCRIPTION
VENDOR TOTALS									
738 SUBURBAN LABORATORIES, INC.	04/30/19			958232 P	05/17/19	270	520806		PROFESSIONAL SERVICES-LAB
INVOICE: 165079									
VENDOR TOTALS				13,252.50	YTD INVOICED		7,186.00	YTD PAID	
1271 SYNAGRO-MWT	04/30/19			958233 P	05/17/19	270	521150		SLUDGE DISPOSAL - LAND
INVOICE: 20-134852									
VENDOR TOTALS				72,352.00	YTD INVOICED		26,068.00	YTD PAID	
271 TERRACE SUPPLY COMPANY	04/30/19			958234 P	05/17/19	270	520976		Maintenance-Contractual
INVOICE: 999412									
VENDOR TOTALS				623.91	YTD INVOICED		101.26	YTD PAID	
1240 TWIN OAKS LANDSCAPING, INC	05/01/19			20190003	958235 P	05/17/19	270	520971	BUILDING & GROUNDS CONTRA
INVOICE: MR980801-0002									
20453 05/01/19				20190003	958235 P	05/17/19	270-1	520970	Maintenance-Building & GR
INVOICE: MR980801-0002									
VENDOR TOTALS				6,970.00	YTD INVOICED		6,970.00	YTD PAID	
477 UNITED PARCEL SERVICE, INC	04/27/19			958236 P	05/17/19	270	530100	OFFICE EXPENSES	
INVOICE: 9yF103179									
VENDOR TOTALS				98.59	YTD INVOICED		11.69	YTD PAID	
410 VALLEN DISTRIBUTION, INC.	04/16/19			958237 P	05/17/19	270	520980		Maintenance-Electronics
INVOICE: 17009933-00									
VENDOR TOTALS				263.24	YTD INVOICED		263.24	YTD PAID	
988 VERIZON WIRELESS SERVICES LLC	05/01/19			958238 P	05/17/19	270	521195		Telecommunications
INVOICE: 9829282206									
VENDOR TOTALS				4,599.09	YTD INVOICED		2,818.26	YTD PAID	
								REPORT TOTALS	
								COUNT	AMOUNT

PAID WARRANT REPORT

WARRANT: 0519-2

TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION

TOTAL PRINTED CHECKS
TOTAL WIRE TRANSFERS

55
1

176,809.51
228,756.00

PAID WARRANT REPORT

WARRANT: 0519-2

TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO.	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
964 AIR SERVICES COMPANY 20470 INVOICE: 418457 20471 INVOICE: 418612 20472 INVOICE: 418653	05/17/19 05/21/19 05/21/19 05/21/19	958239 P 958239 P 958239 P 958239 P	05/31/19 05/31/19 05/31/19 05/31/19	270 270 270 270	520975 520975 520975 520975	Maintenance-Equipment Maintenance-Equipment Maintenance-Equipment Maintenance-Equipment	437.87 252.43 2,070.04 2,760.34
VENDOR TOTALS		3,603.88	YTD INVOICED			3,146.76	YTD PAID
881 AIRGAS, INC 20468 INVOICE: 9500522710 20469 INVOICE: 05/22/19 INVOICE: 20469	05/18/19 05/22/19 05/22/19	958240 P 958240 P 958240 P	05/31/19 05/31/19 05/31/19	270 270 270	530443 530443 530443	Liquid Oxygen Liquid Oxygen Liquid Oxygen	6,278.59 -20.00 6,258.59
VENDOR TOTALS		139,132.02	YTD INVOICED			60,932.97	YTD PAID
9 ALEXANDER CHEMICAL CORPORATION 20474 INVOICE: SLS-10080652	05/23/19 INVOICE:	958241 P	05/31/19	270-1	530440	Chemicals	3,112.26
VENDOR TOTALS		9,364.43	YTD INVOICED			6,216.23	YTD PAID
1246 FOX MARKETING GROUP 20473 INVOICE: 30448	05/20/19 INVOICE:	958242 P	05/31/19	270	530100	Office Expenses	51.00
VENDOR TOTALS		436.24	YTD INVOICED			331.24	YTD PAID
1294 ASHLEY STAAT 20509 INVOICE: 20509	05/22/19 INVOICE:	958243 P	05/31/19	270	520620	Employee Education	304.17
VENDOR TOTALS		339.17	YTD INVOICED			304.17	YTD PAID
24 BERLAND'S INC 20475 INVOICE: 160624	05/17/19 INVOICE:	958244 P	05/31/19	270	520975	Maintenance-Equipment	664.29
VENDOR TOTALS		844.28	YTD INVOICED			844.28	YTD PAID
656 JON BRAGA 20476 INVOICE: 20476	05/15/19 INVOICE:	958245 P	05/31/19	270	520620	Employee Education	60.00
VENDOR TOTALS		60.00	YTD INVOICED			60.00	YTD PAID
37 CDW GOVERNMENT, INC. 20477 INVOICE: SGZ6447	05/14/19 INVOICE:	958246 P	05/31/19	270	520980	Maintenance-Electronics	81.49

PAID WARRANT REPORT

WARRANT: 0519-2

TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	140.81 YTD INVOICED	140.81 YTD PAID
VENDOR TOTALS										
1268 JP MORGAN CHASE NA 1906910 04/05/19				2513 W	05/31/19	270	520975	MAINTENANCE-EQUIPMENT		81.49
INVOICE: BRAJ-13				2522 W	05/31/19	40	580120	SMALL CAPITAL PROJECTS		349.14
194659 04/26/19				2517 W	05/31/19	270	520600	DUES-SUBSCRIPTIONS-REG FE		130.20
INVOICE: LENG-37				2515 W	05/31/19	270	521195	TELECOMMUNICATIONS		130.00
194668 04/04/19				2514 W	05/31/19	270	521195	TELECOMMUNICATIONS		49.99
INVOICE: FRER-12				2516 W	05/31/19	270	520990	OPERATIONS - SUPPLIES		358.82
194681 04/11/19				2518 W	05/31/19	270	520620	EMPLOYEE EDUCATION		40.00
INVOICE: GOOD-1				2519 W	05/31/19	270	520980	MAINTENANCE-ELECTRONICS		652.49
20519 04/12/19				2520 W	05/31/19	270	520980	MAINTENANCE-ELECTRONICS		149.00
INVOICE: BRAJ-14				2521 W	05/31/19	270	520981	ELECTRONICS CONTRACTUAL		106.24
20520 04/12/19				2523 W	05/31/19	40	580120	SMALL CAPITAL PROJECTS		14.98
INVOICE: GOOD-2				2523 W	05/31/19	270	530100	OFFICE EXPENSES		35.39
20521 04/18/19				2524 W	05/31/19	270	530100	OFFICE EXPENSES		106.86
INVOICE: FRER-13				2525 W	05/31/19	270	530100	OFFICE EXPENSES		60.00
20522 04/18/19				2526 W	05/31/19	40	580120	SMALL CAPITAL PROJECTS		312.21
INVOICE: FRER-14				2526 W	05/31/19	40	580120	SMALL CAPITAL PROJECTS		-8.69
20523 04/18/19				2527 W	05/31/19	270	530100	OFFICE EXPENSES		99.95
INVOICE: FRER-15				2527 W	05/31/19	270	530100	OFFICE EXPENSES		235.36
20524 04/22/19				2528 W	05/31/19	270	530100	OFFICE EXPENSES		253.43
INVOICE: FRER-16				2528 W	05/31/19	270	521195	TELECOMMUNICATIONS		21.00
20525 04/18/19				2529 W	05/31/19	270	520620	EMPLOYEE EDUCATION		50.00
INVOICE: LENG-38				2531 W	05/31/19	270	530100	OFFICE EXPENSES		
20525 04/18/19										
INVOICE: LENG-38										
20526 04/23/19										
INVOICE: LENG-39										
20527 04/23/19										
INVOICE: LENG-40										
20528 04/25/19										
INVOICE: LENG-41										
20528 04/25/19										
INVOICE: LENG-41										
20529 05/01/19										
INVOICE: LENG-42										
20530 04/30/19										
INVOICE: LENG-43										
20531 04/11/19										
INVOICE: LENG-44										
20532 04/08/19										
INVOICE: STRM-14										
20533 04/10/19										
INVOICE: STRM-15										
VENDOR TOTALS										
47 CINTAS CORPORATION #769 20478 04/23/19							8,310.08	YTD PAID		3,186.36
VENDOR TOTALS										
13,640.94 YTD INVOICED										
							520976	MAINTENANCE-CONTRACTUAL		197.28

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TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
INVOICE : 76902060					339.98	YTD PAID
VENDOR TOTALS		768.08	YTD INVOICED		197.28	
845 DAHME MECHANICAL INDUSTRIES INC 20479 05/16/19 INVOICE: 20190175		958248 P	05/31/19 270	520975	Maintenance-Equipment	2,250.00
VENDOR TOTALS		2,250.00	YTD INVOICED		2,250.00	
74 DREISILKER ELECTRIC MOTORS INC 20480 05/22/19 INVOICE: i121638		958249 P	05/31/19 270	520980	Maintenance-Electronics	354.82
VENDOR TOTALS		907.70	YTD INVOICED		354.82	
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC 20518 05/15/19 INVOICE: 859231		958250 P	05/31/19 270	520980	Maintenance-Electronics	251.17
VENDOR TOTALS		992.77	YTD INVOICED		251.17	
293 VILLAGE OF GLEN ELLYN 1013166 05/31/19 INVOICE: IFT-175 1013166 05/31/19 INVOICE: IFT-175		2532 W	05/31/19 270	521130	OVERHEAD FEES	10,977.17
VENDOR TOTALS		74,672.81	YTD INVOICED		14,035.50	
297 W.W. GRAINGER, INC. 20481 05/16/19 INVOICE: 917798493 20482 05/17/19 INVOICE: 9178699667 20484 05/21/19 INVOICE: 9182914714		958251 P	05/31/19 270	520980	Maintenance-Electronics	358.59
VENDOR TOTALS		5,912.43	YTD INVOICED		408.85	
119 HACH COMPANY 20485 05/10/19 INVOICE: 11462850		958252 P	05/31/19 270	530106	OPERATING SUPPLIES - LAB	18.32
VENDOR TOTALS		6,815.21	YTD INVOICED		151.15	
1147 ILLINOIS AMERICAN WATER COMPANY 20486 05/23/19 INVOICE: 20486		958253 P	05/31/19 270-3	521203	WATER	126.55

PAID WARRANT REPORT

WARRANT: 0519-2

TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
VENDOR TOTALS				758.95	YTD INVOICED		380.14	YTD PAID
136 JACKSON-HIRSH INC 20487 INVOICE: 05/22/19 101091				958254 P	05/31/19 270	530100	OFFICE EXPENSES	126.55
VENDOR TOTALS				66.32	YTD INVOICED		66.32	YTD PAID
1264 LAWSON PRODUCTS INC 20488 INVOICE: 05/22/19 9306740434				958255 P	05/31/19 270	520975	Maintenance-Equipment	66.32
VENDOR TOTALS				972.20	YTD INVOICED		141.26	YTD PAID
1189 LEAHY-WOLF COMPANY 20489 INVOICE: 05/16/19 383550				958256 P	05/31/19 270	520975	Maintenance-Equipment	138.90
VENDOR TOTALS				2,600.29	YTD INVOICED		810.29	YTD PAID
157 LEN'S ACE HARDWARE INC. 20490 INVOICE: 04/30/19 89849-3				958257 P	05/31/19 270	520975	Maintenance-Equipment	7.19
20491 INVOICE: 05/04/19 89909-3				958257 P	05/31/19 270	520970	Maintenance-Building & GR	9.58
20492 INVOICE: 05/08/19 89966-3				958257 P	05/31/19 270	520970	Maintenance-Building & GR	15.18
20493 INVOICE: 05/13/19 90042-3				958257 P	05/31/19 270	520970	Maintenance-Building & GR	-7.19
20494 INVOICE: 05/22/19 90207-3				958257 P	05/31/19 270	520990	Operations - Supplies	35.93
20495 INVOICE: 05/29/19 90333-3				958257 P	05/31/19 270	520990	Operations - Supplies	15.97
VENDOR TOTALS				619.97	YTD INVOICED		179.04	YTD PAID
1184 MATTHEW STRETCHER 20513 INVOICE: 05/15/19 20513				958258 P	05/31/19 270	520620	Employee Education	60.00
VENDOR TOTALS				110.00	YTD INVOICED		110.00	YTD PAID
1223 CAPITAL ONE NATIONAL ASSN 20496 INVOICE: 05/14/19 317513419230892				958259 P	05/31/19 270	520975	Maintenance-Equipment	166.65
VENDOR TOTALS				602.57	YTD INVOICED		231.91	YTD PAID
188 MOTION INDUSTRIES INC 20497 INVOICE: 05/18/19				958260 P	05/31/19 270	520980	Maintenance-Electronics	149.50

PAID WARRANT REPORT

WARRANT: 0519-2

TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE VOUCHER	PO	CHECK NO	T CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
INVOICE: TL10-662056			339.94	YTD INVOICED	322.16	YTD PAID
VENDOR TOTALS					149.50	
190 STD TOOL CO, INC.	05/22/19	958261 P 05/31/19	270		520975	Maintenance-Equipment
INVOICE: 94776720						210.73
VENDOR TOTALS			1,340.83	YTD INVOICED	210.73	YTD PAID
199 NEUCO, INC.	05/13/19	958262 P 05/31/19	270		520975	Maintenance-Equipment
INVOICE: 3727054						2,370.05
20500	05/13/19	958262 P 05/31/19	270		520975	Maintenance-Equipment
INVOICE: 3727055						151.30
20501	05/16/19	958262 P 05/31/19	270		520980	Maintenance-Electronics
INVOICE: 3735729						949.26
VENDOR TOTALS			4,015.59	YTD INVOICED	4,015.59	YTD PAID
209 NCL OF WISCONSIN INC.	05/15/19	958263 P 05/31/19	270		530106	Operating Supplies - Lab
20502						864.91
INVOICE: 423301						
VENDOR TOTALS			3,540.21	YTD INVOICED	1,568.56	YTD PAID
759 NORTHERN SAFETY CO., INC.	05/15/19	958264 P 05/31/19	270		530225	Safety Related Equipment/S
20503						558.75
INVOICE: 903459031						
VENDOR TOTALS			558.75	YTD INVOICED	558.75	YTD PAID
1168 NORTHERN TOOL & EQUIPMENT	05/22/19	958265 P 05/31/19	270		520975	Maintenance-Equipment
20504						558.75
INVOICE: 42640222						
VENDOR TOTALS			910.40	YTD INVOICED	910.40	YTD PAID
539 OAK BROOK MECHANICAL SERVICES, INC.	05/17/19	958266 P 05/31/19	270		520980	Maintenance-Electronics
20505						185.00
INVOICE: 16091						
VENDOR TOTALS			13,621.00	YTD INVOICED	13,621.00	YTD PAID
226 PORTER PIPE AND SUPPLY CO	05/15/19	958267 P 05/31/19	270		520975	Maintenance-Equipment
20506						221.86
INVOICE: 11903669-00						
VENDOR TOTALS			988.98	YTD INVOICED	221.86	YTD PAID
1226 RC CLEANING COMPANY						221.86

PAID WARRANT REPORT

WARRANT: 0519-2

TO FISCAL 2019/05 04/01/2019 TO 05/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
20507	05/17/19			958268	P	05/31/19	270	529971	BUILDING & GROUNDS CONTRA
INVOICE:	20507								1,020.00
VENDOR TOTALS								3,060.00 YTD PAID	
939 STAPLES CONTRACT & COMMERCIAL INC.				958269	P	05/31/19	270	530100	OFFICE EXPENSES
20510	05/17/19								63.64
INVOICE:	3414256856								
VENDOR TOTALS								1,086.40 YTD PAID	63.64
464 STRAND ASSOCIATES INC.				20180005	P	05/31/19	40	580180	ELECTRIC SVC DISTIB SY
20511	05/13/19								12,665.62
INVOICE:	148517								
20512	05/13/19			20180012	P	05/31/19	40	580150	PLANT EQUIPMENT REHABILIT
INVOICE:	148699								18,426.31
VENDOR TOTALS								51,666.11 YTD PAID	31,091.93
738 SUBURBAN LABORATORIES, INC.				958271	P	05/31/19	270	520806	PROFESSIONAL SERVICES-LAB
20514	05/15/19								1,408.00
INVOICE:	165743								
20515	05/29/19			958271	P	05/31/19	270	520806	PROFESSIONAL SERVICES-LAB
INVOICE:	165818								434.00
VENDOR TOTALS								7,186.00 YTD PAID	
1299 THOMAS ROMZA				958272	P	05/31/19	270	520620	EMPLOYEE EDUCATION
20508	05/22/19								60.00
INVOICE:	20508								
VENDOR TOTALS								240.00 YTD PAID	60.00
988 VERIZON WIRELESS SERVICES LLC									
20516	05/18/19			958273	P	05/31/19	270	521195	TELECOMMUNICATIONS
INVOICE:	9830396356								
VENDOR TOTALS								2,818.26 YTD PAID	442.07
								REPORT TOTALS	
									76,188.53
								COUNT	AMOUNT
								35	58,966.67
								20	17,221.86

** END OF REPORT - Generated by Jean Campbell **

SECTION 5.3

POLYMER SUPPLIER APPROVAL

MEMORANDUM

TO: Matt Streicher, Executive Director
Tom Romza, Assistant Director

FROM: David Goodalis, Operations Superintendent

DATE: May 30, 2019

RE: Polymer



The Operations Department performed a cost comparison for current pricing on polymer for our Bio-solids Dewatering process. According to Administrative Order No. 3, Section B, 5a, competitive pricing including polymer analysis were sought. A sample of our bio-solids was provided to each company listed below for bench testing. The sample was provided to verify which polymer had the best results on our solids in acquiring a high percentage of solids to lower our dewatering costs. The polymer that performed efficient with our bio-solids is from our current supplier Polydyne. The competitive pricing for the tested polymer is shown in the table below.

Company	Cost per pound
Polydyne	\$1.13
Nalco	\$1.95
Solenis	\$1.20 (2018 quote)

The current price per pound is \$1.04 the new quote is \$1.13 per pound; this will result in an increase of \$0.09 per pound of polymer. Each delivery is approximately 9,600 pounds which equals an increase of \$864.00 per order. As the price of \$1.13/lb is the “delivered” cost, the Freight and Tariff charges \$334.88, we had previously been charged, will no longer be included. This reduces, the overall per order increase to \$529.12 per order.

The Solenis quote is from last year, they informed us that there was a cost increase from last year's quote and did not want to give us a current price knowing they would not be the lowest price.

The Operations Staff would like to request purchasing polymer from Polydyne at a cost of \$1.13 per pound from our current polymer supplier Polydyne. We have used Polydyne for years without any major issues of their product or delivery services.

This purchase will be expensed to 270-530440 - Chemicals.

SECTION 6.0

2018 FACILITY PLAN STUDY PRESENTATION

MEMORANDUM

TO: Executive Oversight Committee
FROM: Matt Streicher, P.E. BCEE
DATE: June 13, 2019
RE: Facility Planning Study



In November 2017 Authority staff developed and sent out a request for qualifications and technical proposals to our six shortlisted professional consulting firms for the 2018 Facility Plan. The due date for the proposals was February 28, 2018.

Typically, a 10-year Facility Plan for a Wastewater Treatment plant is updated every 5 years, with in-depth plans occurring every 20 years. The Authority most recently had a Facility Plan document completed in 2013. The development of a new 10-year Facility Plan provides the opportunity to take a comprehensive look at the current and future needs of the Authority's treatment facilities. The Authority has completed numerous improvement projects in the past 10 years and many processes/equipment have been replaced or upgraded since the last plan was completed in 2013. The objective of this project was to prepare a Facility Plan that will provide a cost-effective roadmap for the Authority for the next 10 years. A condition assessment of our facilities was performed to develop accurate costs for Capital Improvement Planning, which will be instrumental for budgeting purposes. The report will be a useful tool for Authority staff and EOC members to have a transparent, easily understood plan and to avoid surprises. An approved Facility Plan is also required to be kept on file with the Illinois Environmental Protection Agency and is necessary for Low-Interest Illinois State Revolving Loan Funding if desired on future projects listed in the plan. Furthermore, as part of the IGA between the member Village's, the Authority is required to undergo a facility plan study every 5 years.

Trotter & Associates, Inc. (TAI) was selected to perform the 2018 Facility Plan and worked on its development throughout the 2018 calendar year. Due to a shift in the scope during the summer of 2018 to focus on odor control, the overall study duration was extended, and was completed in early 2019.

Attached is an executive summary of the Facility Plan provided by TAI, along with a power point presentation going over the report.



EXECUTIVE SUMMARY



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EXECUTIVE SUMMARY

GENERAL

The Glenbard Wastewater Authority's Advanced Wastewater Treatment Facility is located in DuPage County, approximately 20 miles west of Chicago. The entire Facility Planning Area (FPA) is approximately 14,000 acres and encompasses portions of the Villages of Lombard and Glen Ellyn, a development served by Illinois American Water, and an area in unincorporated DuPage County (Glen Ellyn Heights). Wastewater generated within Facility Planning Area is treated at the Glenbard Wastewater Authority's Advanced Wastewater Treatment Facility (GAWTF), located on Bemis Road.

Current and future water usage and wastewater production was analyzed on the basis of "population equivalents" or PE which provides a common basis for assessment of residential and non-residential demands. The 2018 analysis utilized the 1977 population data and added the residential growth to those values from the Authority's tracking data for Glen Ellyn, Lombard, unincorporated DuPage County, and Illinois American Water. This growth and existing population resulted in a 2018 PE estimate of approximately 102,731. Based on the Chicago Metropolitan Agency for Planning (CMAP) projections the growth rate of the Authority's tributary communities was expected to be approximately 0.5% annually. This growth rate would result in an interpolated PE of approximately 114,372 in 2040.

The existing GAWTF is currently operating well within design loadings and has reserve capacity to serve the communities for more than 20 years. However, regulatory requirements on effluent water quality are changing, specifically in regards to nutrient removal. This change will require that new treatment processes are constructed and implemented to meet more stringent effluent limits on ammonia, phosphorus, and nitrogen.

FACILITY PLANNING

A Wastewater Facility Plan is a management and planning document used to identify, evaluate, and plan required wastewater facility improvements. The plan provides an assessment of the treatment system's abilities to meet both current and future flows, pollutant loads, and regulatory requirements. The plan also contains critical information for improvements necessary to correct current or projected deficiencies.

The Glenbard Wastewater Authority's last Facility Plan was prepared in 2013. It is now almost six years old. Since the 2013 update, the Authority has implemented several of the recommendations, however, in an effort to be proactive and plan for the future, the Authority is seeking to update the Facility Plan to develop a document which includes a Capital Improvements Plan to assist in budgeting for necessary improvements to meet current and pending effluent standards. This Facility Plan is generally organized in nine separate sections as follows:

- Section 1 – Introduction and Background
 - Provides background information on the facility and outlines the purpose of Facility Planning*
- Section 2 – Community Needs
 - Reviews the current loading to the facility, and anticipated future loading to ensure capacity*



- Section 3 – Interceptor Sewers & Lift Stations
Evaluates both the existing interceptor sewers and lift station capacities and their remaining service lives
- Section 4 – Combined Sewer Overflow (CSO) Facility
Evaluates each unit process within the CSO facility and identifies alternatives for rehabilitation
- Section 5 – Existing Wastewater Treatment Facility
Evaluates each unit process within the wastewater facility and identifies alternatives for rehabilitation
- Section 6 – Odor Control
Reviews the existing treatment facility and identifies short and long-term odor control strategies
- Section 7 – Regulatory Requirements & Upgrades
Reviews the future regulation implications to the facility, and develops/identifies projects for future regulatory compliance
- Section 8 – Environmental Impacts
Reviews the environmental implications to improvements including watershed impacts
- Section 9 – Capital Improvements Plan (CIP)
Summarizes all identified projects required, Identifies the required annual investment for capital projects and provides implementation schedules

WASTEWATER TREATMENT FACILITY

The Glenbard Advanced Wastewater Treatment Facility was originally constructed in 1977 as an expansion to the existing plant owned by Glen Ellyn. The facility has been incrementally expanded and rehabilitated over the past 41 years, and as such much of the plant buildings and equipment date back to this period. In general, concrete structures have a service life of up to 75 years, however equipment varies depending on use, maintenance, and manufacturer. High-speed equipment such as pumps can be expected to provide 12-15 years of service life, and low-speed process equipment such as screens and belt presses provide 20-25 years. These are diminished in corrosive or abrasive applications such as raw sewage handling or grit removal.



A significant amount of the equipment at the GAWTF has reached or has exceeded its respective service life. Diligent maintenance and operation have provided the Authority with exceptional equipment longevity, however several major systems will require replacement within the next 10 years. This includes the primary clarifiers, biological process, intermediate clarifiers and pump station, final clarifiers, and dewatering systems. The bulk of this equipment was installed in the 1977 expansion and is due for replacement.



REHABILITATION & UPGRADE RECOMMENDATIONS

Recommendations for GAWTF rehabilitation and replacement have been separated into two groups; those budgeted for in-house annual replacement/rehabilitation, and larger Capital Improvements Projects.

In-House Annual Rehabilitation/Replacement

A condition assessment for each piece of major equipment within the Wastewater Treatment Facility was completed. Items which are not scheduled for replacement within a major capital improvement project were prioritized for replacement over the next 10 years, to be financed through the annual operating budget. The condition assessment tables are provided in Appendix D, organized by plant process. With an annual funding allotment of approximately \$300,000-\$600,000 per year for equipment replacement was prioritized beginning in FY2020 as follows:



CY2020: RAS Pump Station Rehabilitation	(\$180,000)
CY2021: Grit Pump & Screening Washer/Conveyor Replacement	(\$310,000)
CY2022: Gravity Sludge Thickener Rehabilitation	(\$560,000)
CY2023: Carbo RAS Pump Replacement	(\$240,000)
CY2024: RAS Mag Meter Replacement	(\$60,000)
CY2025: Grit Washer #1 and Meter Replacement	(\$225,000)
CY2026: Grit Washer #2 and Effluent Meter Replacement	(\$225,000)
CY2027: Carbo RAS Meter & RAS VFD Replacement	(\$210,000)
CY2028: Grit Removal Chamber #1 Replacement	(\$225,000)
CY2029: Grit Removal Chamber #2 & Blower Replacement	(\$345,000)

**Each year there is an anticipated additional \$100,000 to be spent on the Unox Deck for replacement of motors, drives, mixers, etc. over the next ten years.*





Capital Improvements Projects

Twelve capital projects have been identified for completion within the 10-year capital improvements program. As previously discussed, the majority of the GAWTF was constructed in 1977 and as such the equipment installed in this era has reached the end of their useful service lives. The Authority will need to plan for replacement of a number of major processes over the next 10-15 years. In addition, regulatory requirements for phosphorus and nitrogen removal will necessitate major improvements to the biological process unrelated to rehabilitation. In process order, the capital projects identified include:



<u>Project</u>	<u>Construction Subtotal w/ 15% Contingency</u>	<u>Engineering, Legal & Admin @ 15%</u>	<u>Total</u>
1. Primary Clarifier Rehabilitation:	\$1,778,000	\$267,000	\$2,045,000
2. Grit/Primary Clarifier Odor Control (Phase 1):	\$384,000	\$60,000	\$444,000
3. Grit/Primary Clarifier Odor Control (Phase 2):	\$992,000	\$149,000	\$1,141,000
4. Sludge Thickening Odor Control (Phase 1):	\$303,000	\$45,000	\$348,000
5. Sludge Thickening Odor Control (Phase 2):	\$1,100,000	\$159,000	\$1,259,000
6. Electronic O&M Manuals:	N/A	\$380,000	\$380,000
7. Sludge Dewatering Rehabilitation:	\$1,900,000	\$280,000	\$2,180,000
8. Intermediate Pumping Station Rehabilitation:	\$1,600,000	\$242,000	\$1,842,000
9. Intermediate Clarifier Rehabilitation:	\$1,010,000	\$162,000	\$1,172,000
10. Chemical Phosphorus Removal (1.0 mg/L):	\$2,000,000	\$293,000	\$2,293,000
11. Final Clarifier Rehabilitation:	\$4,200,000	\$625,000	\$4,825,000
12. CSO Facility Upgrades:	\$2,010,000	\$308,000	\$2,308,000
Total Capital Projects:			\$20,237,000

Each of these projects, as well as alternatives evaluated, are described in detail in the respective unit process reviews within Section 5. Detailed cost estimates including scope of work to be completed are included in Appendix E.





IMPLEMENTATION PLAN

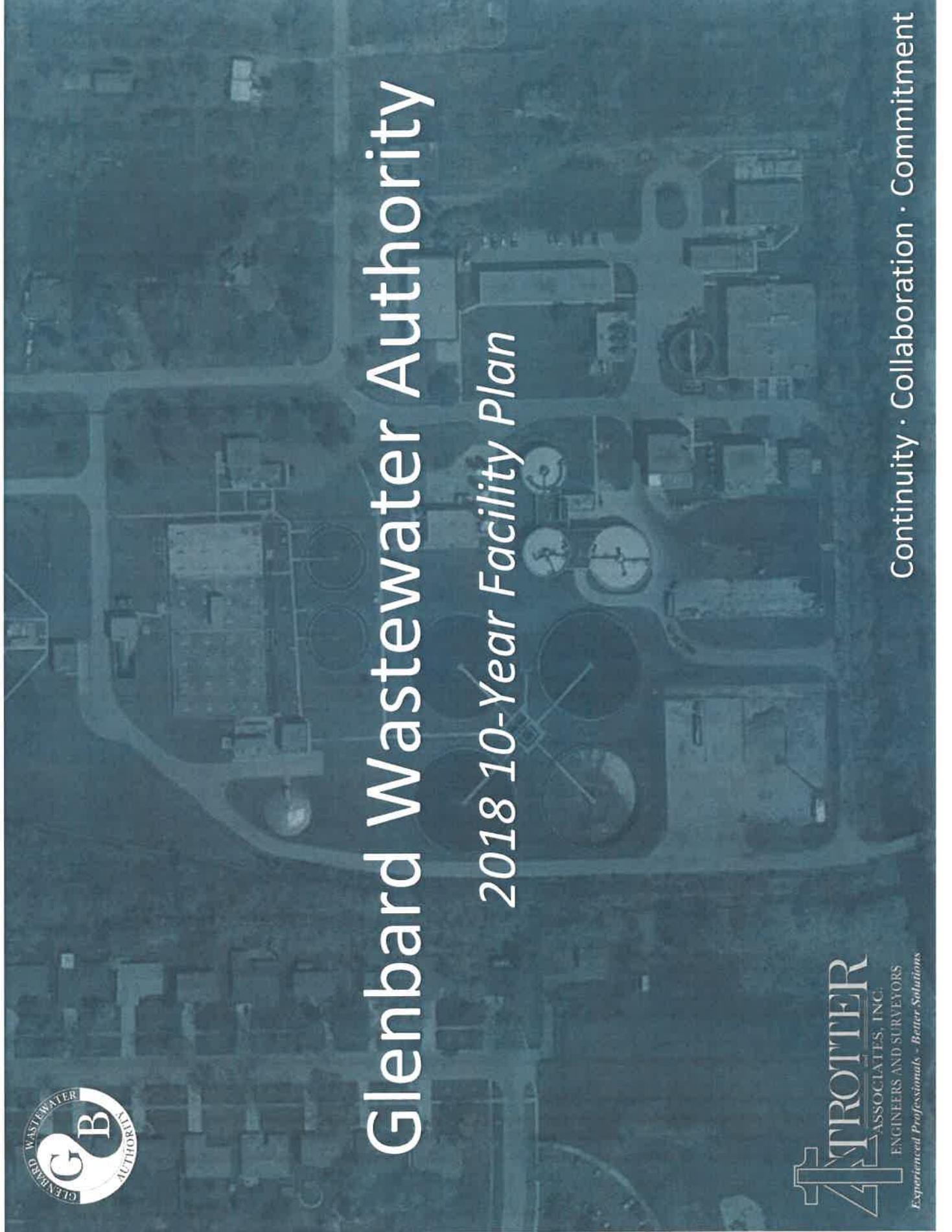
The implementation schedule for capital improvements is driven by both urgency of rehabilitation needs, and regulatory requirements imposed by the Illinois EPA. The following table outlines the recommended schedule for both the annual rehabilitation/replacement program, as well as the capital improvements projects.

Project Description	Implementation Plan (\$ in Millions)										Project Total
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
Primary Clarifier Rehabilitation	2.10										2.10
Grit Building/Primary Clarifier Odor Control (Phase 1)		0.45									0.45
Grit Building/Primary Clarifier Odor Control (Phase 2)			1.20								1.20
Sludge Thickening Odor Control (Phase 1)		0.35									0.35
Sludge Thickening Odor Control (Phase 2)			1.22								1.22
Electronic O&M Manuals				0.38							0.38
Sludge Dewatering Rehabilitation		2.20									2.20
Intermediate Pumping Station Rehabilitation					1.90						1.90
Intermediate Clarifier Rehabilitation						1.20					1.20
Chemical Phosphorus Removal (1.0 mg/L)				2.30							2.30
Final Clarifier Rehabilitation							4.80				4.80
CSO Facility Upgrades								2.30			2.30
Various Small-Scale (From Condition Assessment Table)	0.30	0.42	0.63	0.31	0.13	0.30	0.30	0.32	0.33	0.45	3.48
PLC Replacement Projects	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.30
MCC Replacement Projects	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	1.40
Annual Collection System Rehabilitation Funding	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	3.00
Annual Lift Station Rehabilitation Funding	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	2.30
Calendar Year Total:	3.20	4.22	3.85	3.79	2.83	2.30	5.90	3.42	1.13	1.25	31.88





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Glenbard Wastewater Authority

2018 10-Year Facility Plan



Continuity . Collaboration . Commitment

10-YEAR FACILITY PLAN

► GWA's 10 Year Facility Planning

- Nine Section Document

- ✓ Section 1 – General Background
- ✓ Section 2 – Community Needs
- ✓ Section 3 – Interceptors Sewers & Lift Stations
- ✓ Section 4 – CSO Facility
- ✓ Section 5 – Evaluation of Existing WWTP
- ✓ Section 6 – Odor Control
- ✓ Section 7 – Regulatory & Biological Upgrades
- ✓ Section 8 – Environmental Impacts
- ✓ Section 9 – Capital Improvements Plan

- Follows IEPA Facility Planning Approval Checklist



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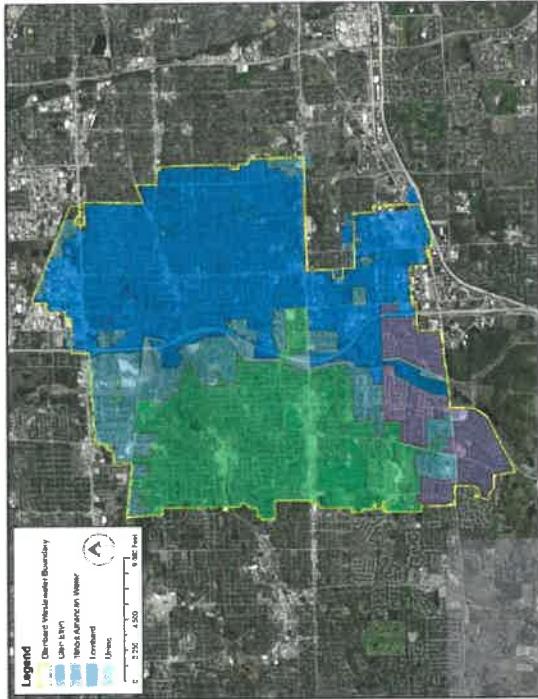
10-YEAR FACILITY PLAN

► Section 1 – General Background

▪ Glenbard Advanced WWTP

✓ Established in 1977

- Village of Lombard
- Village of Glen Ellyn
- Illinois American Water
- Unincorporated DuPage County



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► Section 2 – Community Needs

▪ Population Equivalents

- ✓ Current PE: 102,731
- ✓ Anticipated 2040 PE: 114,372

▪ Current WWTP Flows:

Parameter	Flow (MGD)	BOD ₅ (lbs/day)	TSS (lbs/day)
Design Condition	16.02	27,256	32,066
Current Low Flow Condition	9.17	13,144	16,274
Current Loading (% of Design)	57%	48%	51%

▪ Future WWTP Flows:

Parameter	Flow (MGD)	BOD ₅ (lbs/day)	TSS (lbs/day)
Design Condition	16.02	27,256	32,066
Future Low Flow Condition	10.82	19,760	24,522
Future Loading (% of Design)	68%	57%	60%

- ✓ Less Than 80% Loaded, No Expansion Required

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10-YEAR FACILITY PLAN



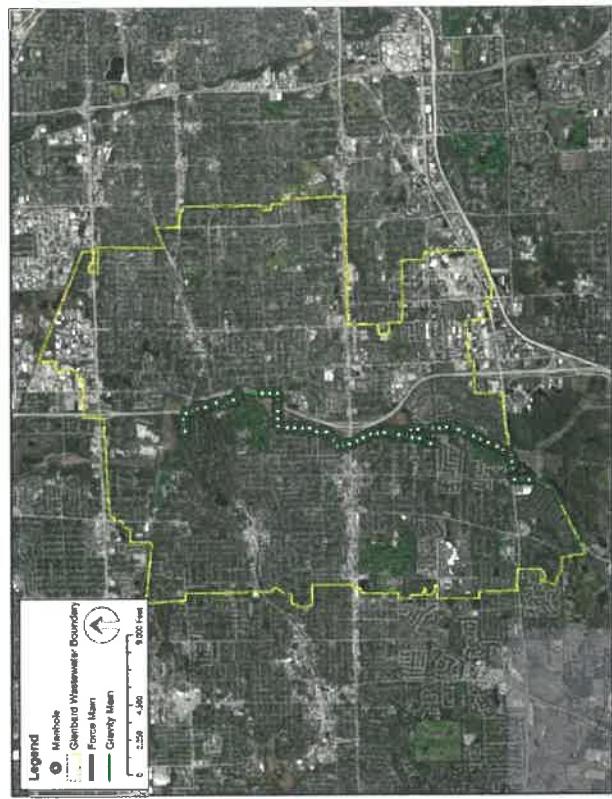
► Section 3 – Interceptors & Lift Stations

■ Interceptor & Collection Summary

- ✓ 7.71 Miles of Sewers
- ✓ Five Lift Stations

■ Collection System Asset Value

- ✓ \$18 Million
- ✓ Annual Reinvestment = \$305,492 (75-Year Life)



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► Section 3 – Interceptors & Lift Stations

■ Lift Station Asset Value

✓ \$6.62 Million

✓ Annual Reinvestment = \$231,770 (20/40 Year)



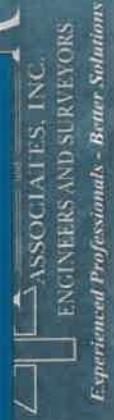
Lift Station	Estimated Replacement Cost	Equipment/Pumps & Controls		Estimated Value (1)	Structures, Piping & Valves	Annual Depreciation (2)
		Estimated Value (1)	Annual Depreciation (2)			
Hill Avenue (2001)	\$1,000,000	\$400,000	\$20,000	\$600,000		\$15,000
SRI (2004)	\$750,000	\$300,000	\$15,000		\$450,000	\$11,250
St. Charles Rd (2010)	\$2,507,000	\$1,002,800	\$50,140	\$1,504,200		\$37,605
Sunny Side (1982)	\$300,000	\$120,000	\$6,000		\$180,000	\$4,500
Valley View (2015)	\$2,065,000	\$826,000	\$41,300	\$1,239,000		\$30,975
Total	\$6,622,000	\$2,648,800	\$132,440	\$3,973,200		\$99,330

(1) Equipment estimated at 40% total value. Structures and piping estimated at 60% total value.

(2) Equipment assumed to have 20-year life. Structures and piping assumed have 40-year life.

Section 9

Capital Improvements Plan



10-YEAR FACILITY PLAN



► Section 4 – CSO Facility

■ Originally Village of Lombard's WWTP

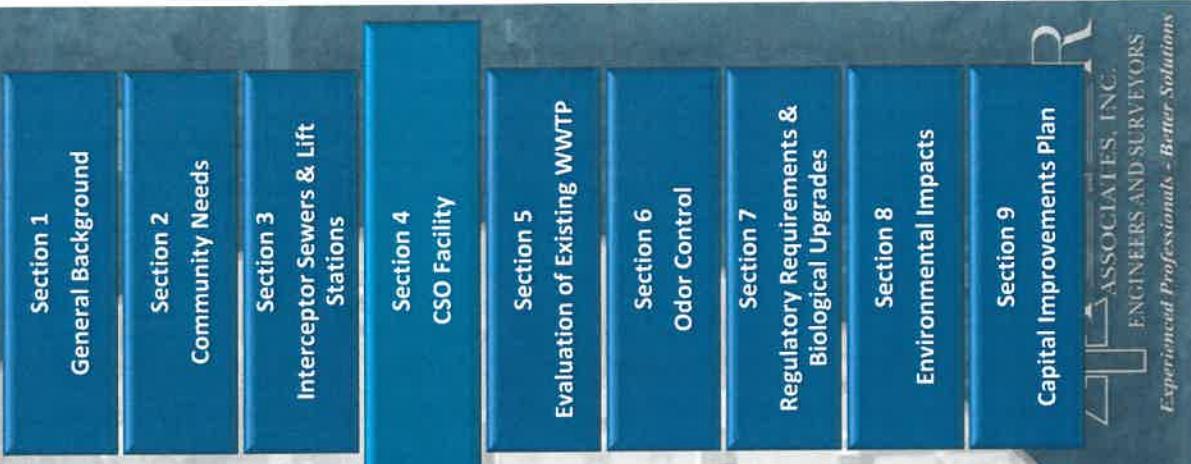
- ✓ Reconstructed as the CSO Facility in 1982
 - ✓ No Major Rehabilitations

■ 2013 Facility Plan Recommended Projects

- 2014
 - ❑ Clarifier Mechanism Replacement (\$275,000)
 - ✓ Clarifier Drives & Center Tubes (\$150,000)
 - 2023
 - ❑ Screening Improvements (\$1.4M)
 - 2024
 - ✓ Grit Removal Improvements (\$3.5M-\$30,000)

■ 2018 Facility Plan Recommended Projects

- 2027
 - ❑ Replace Screen, Recoat Clarifier Equip, Disinfection
\$2.4M (Existing Equipment Installed 1977-1982)



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► Section 5 – Existing WWTP Evaluation

■ 2013 Facility Plan Recommended Projects

- 2016
 - ✓ Influent Pump Station Replacement
 - ✓ Tertiary Filtration Improvements
 - ✓ UV Disinfection Improvements
 - Dewatered Biosolids Covered Storage
- 2018
 - Intermediate Pump Station Modifications
 - Activated Sludge Final Stage Modifications
- 2019
 - ✓ Hauled Wastes Receiving Phase 1
 - Sludge Thickening Phase 2
- 2020
 - Dewatering Equipment Replacement
 - Liquid Biosolids Storage Improvements
- 2021
 - Chemical Phosphorus Removal



10-YEAR FACILITY PLAN



► Section 5 – Existing WWTP Evaluation

■ 2018 Facility Plan Recommended Projects

- 2020 Primary Clarifier Rehabilitation - \$2.1M (Installation Year: 1977)
- 2021 Dewatering Equipment Replacement - \$2.2M (Installation Year: 1991)
- 2023 Chemical Phosphorus Removal - \$2.3M
 Electronic O&M Manuals - \$380,000 (Original 1977)
- 2024 Intermediate Pump Station Rehabilitation - \$1.9M
(Installation Year: 1977-2014)
- 2025 Intermediate Clarifier Rehabilitation - \$1.2M (Installation Year: 1969-1977^{*})
- 2026 Final Clarifier Rehabilitation - \$4.8M (Installation Year: 1977-1999)

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► Section 6 – Odor Control Evaluation

- Revisited 2017 Air Quality Evaluation
- Reviewed Potential Sources of Odors
- Identified Odor Control Facilities
 - ✓ Odor Neutralization
 - ✓ Chemical Addition
 - ✓ Physical Barriers
- Recommended Minor Operational Adjustments
 - ✓ Update Call Log Form
- Determined Long-Term Capital Projects

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► Section 6 – Odor Control Evaluation

- Low-Cost Alternatives/Operational Adjustments
 - ✓ Collection System Dosing
 - + Simple Setup
 - + Chemical Options
 - Downstream Impacts
 - Chemical Handling
 - ✓ Ecosorb Atomization/Vaporization
 - + Operator Familiarity
 - + Mobile Units Available
 - “Reactive” Measure
 - “Smell” vs. Odor
 - Freezing Concerns in Winter
 - ✓ Check/Calibrate Digester Gas Relief Valves
 - ✓ Customer Correspondence Form

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Wastewater Treatment Odor Control Projects

Grit Building & Primary Clarifiers

Phase 1

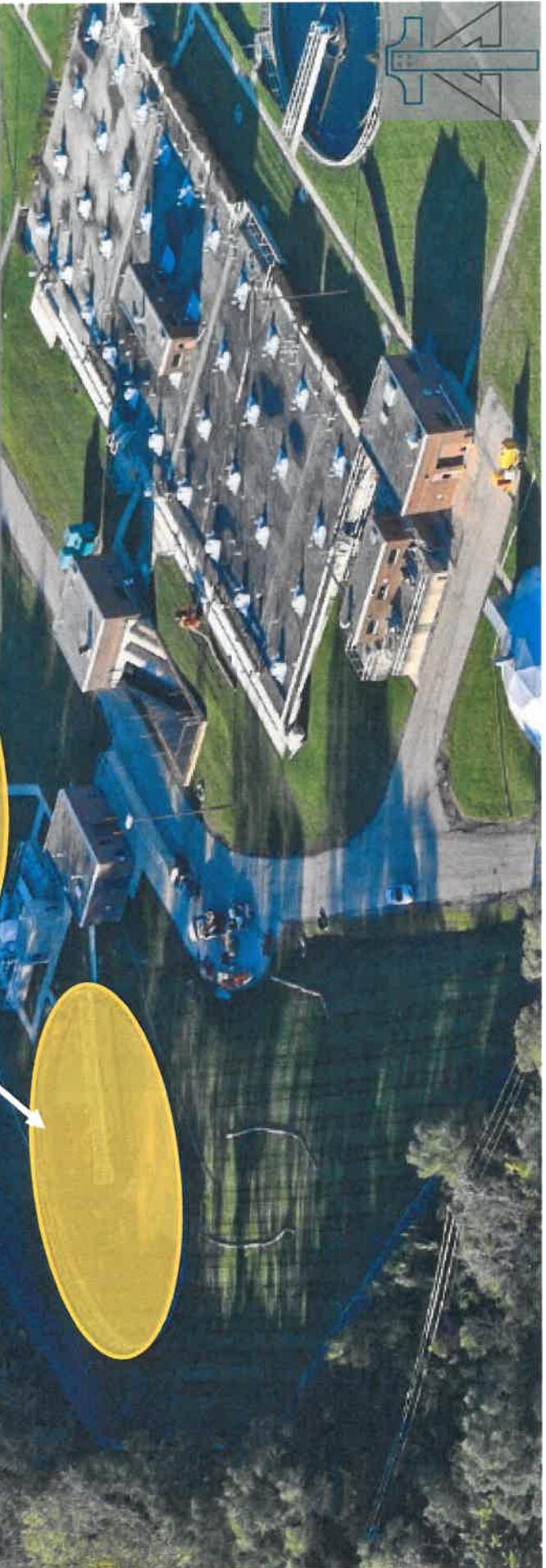
1. Primary Clarifier Launder Covers

Est. Capital Cost: \$500,000 (Phase 1)

Phase 2

1. Grit & Launder HVAC Reroute
2. Biorem – Biological Odor Treatment

Est. Capital Cost: \$1,200,000 (Phase 2)



Wastewater Treatment Odor Control Projects

Sludge Thickening

Phase 1

1. Primary Clarifier Sludge Piping Modifications – Direct Feed to Digesters

Est. Capital Cost: \$400,000 (Phase 1)

Phase 2

1. Reroute WAS From Gravity Thickener to GBT
2. Feed Digesters from Thickened WAS Storage

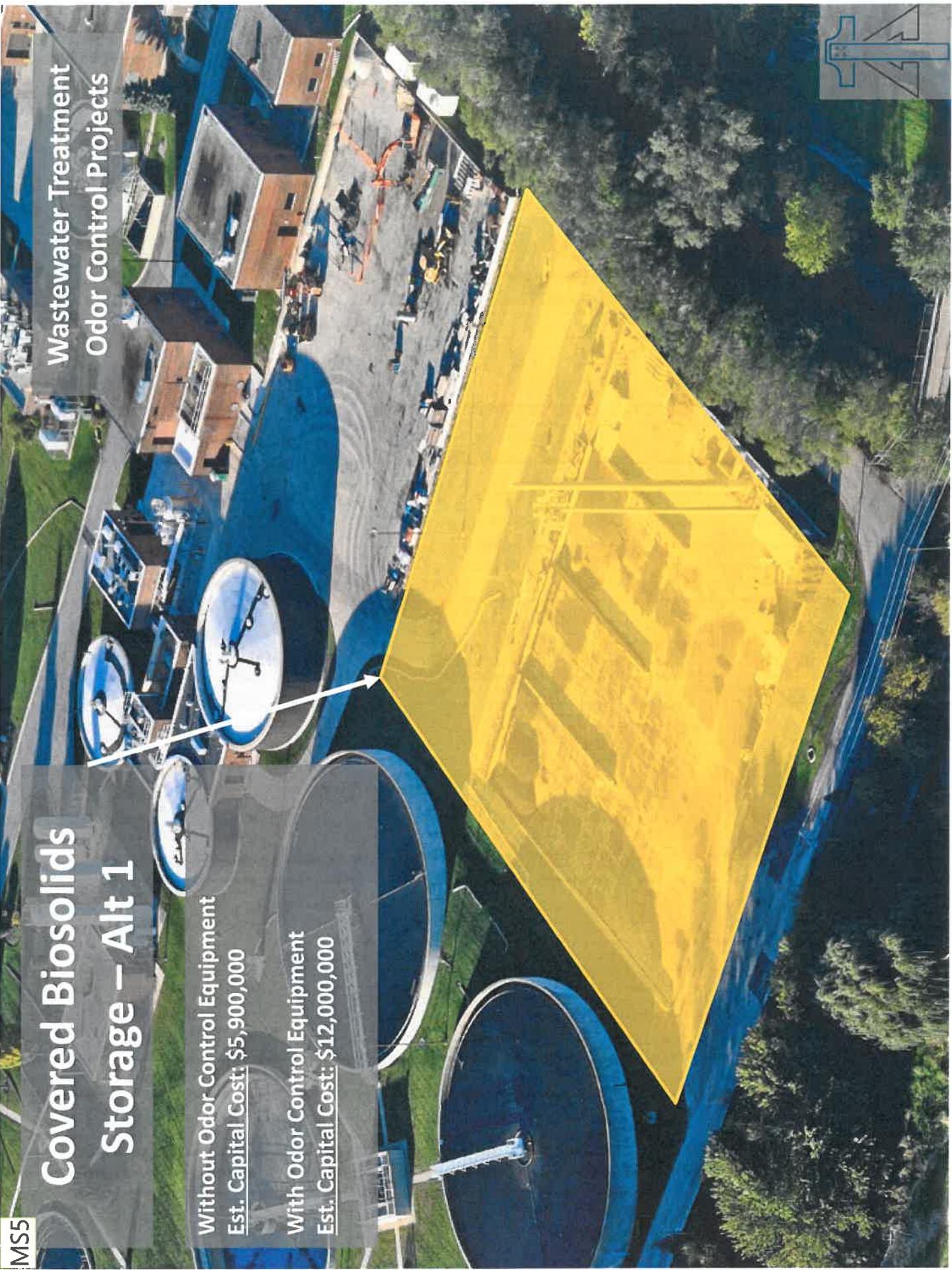
Est. Capital Cost: \$1,200,000 (Phase 2)

Covered Biosolids Storage – Alt 1

Without Odor Control Equipment
Est. Capital Cost: \$5,900,000

With Odor Control Equipment
Est. Capital Cost: \$12,000,000

Wastewater Treatment
Odor Control Projects



10-YEAR FACILITY PLAN



► Section 7 – Regulatory Requirements

- **Current Phosphorus Limit = 1.0 mg/L (by 2025)**
 - Future 0.5 mg/L Under Consideration
 - Requires Chemical or Biological Treatment
- **Future TN Limit = 7-8 mg/L ?**
 - Requires Biological Treatment (Denitrification)
- **Future Ammonia Limit = +/- 50% Current**
 - Requires Additional Aerobic HRT

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► Section 7 – Regulatory Requirements

■ Implications of Future Limits

- Pure Oxygen System Unlikely to Perform BNR
- Existing Aerobic HRT Very Short (< 4.5 hours)
- Would Require Expansion & Conversion

■ Phosphorus Removal Alternatives

- Biological (Bio-P) = \$20.3M From 2017 PRFS
- Chemical (Chem-P) = \$2.3M From 2013/18 FP's

■ Total Nitrogen Removal Alternatives

- Convert to Aeration = \$24.4M From 2013/18 FP
+ Denitrification = \$2.3M From 2013 FP

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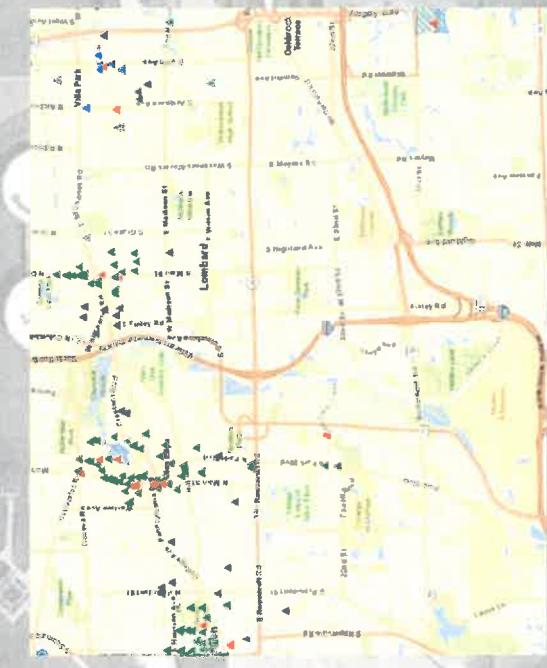
10-YEAR FACILITY PLAN

► Section 8 – Environmental Impacts

▪ Nine Section Plan

- ✓ East Branch - DuPage River Impairments
 - Channelization, CSOs, Urban Runoff, Etc.
- ✓ Threatened and Endangered Species
 - Least Bittern
- ✓ Letter of Determination/Termination Received

- ✓ Historic Preservation



EcoCAT	Project Name: East Branch DuPage River Impairments	ECR Project Number: 170202-12-22270
Client:	Illinois Department of Natural Resources	Date: 12/2018
Address:	1000 Northgate Dr., Suite 100 Springfield, IL 62703	Project Manager: Brian R. Scott
Description: This document addresses the least bittern habitat in the DuPage River. It provides information on the biology and ecology of the species, its current status, and potential threats. It also includes recommendations for habitat restoration and management.		
Natural Resource Review Results:		
CONSIDERATION FOR ENDANGERED SPECIES AND NESTING BIRDS		
The Illinois Department of Natural Resources has determined that no nesting protected species or other threatened or endangered species were present in the area of the proposed facility. Therefore, no further consideration for these species is required.		
Wetland Review Report:		
The "Least Bittern" is a wetland indicator species with a range of 250 feet of the project. An ESRH audit identified and evaluated this information and concluded that no significant wetlands or wetland resources were identified in the area of the proposed facility. Therefore, no further consideration for wetlands is required.		
Landscape Assessment:		
The Illinois Department of Natural Resources has determined that no rare or unique plant communities or plant species were present in the area of the proposed facility. Therefore, no further consideration for these resources is required.		
Terrestrial Animal Assessment:		
The Illinois Department of Natural Resources has determined that no rare or unique animal communities or animal species were present in the area of the proposed facility. Therefore, no further consideration for these resources is required.		
Habitat Assessment:		
The Illinois Department of Natural Resources has determined that no rare or unique habitat types were present in the area of the proposed facility. Therefore, no further consideration for these resources is required.		
Environmental Impact:		
The Illinois Department of Natural Resources has determined that no significant environmental impacts were present in the area of the proposed facility. Therefore, no further consideration for these resources is required.		
Conclusion:		
The Illinois Department of Natural Resources has determined that no significant environmental impacts were present in the area of the proposed facility. Therefore, no further consideration for these resources is required.		

For a copy of the final report, contact:
John Miller, Manager
Biology Dept.
111 W. Madison St.
Chicago, IL 60602

PROJECT BACKGROUND

► Section 9 – Capital Improvements Plan



Project Description	Fiscal Year Cash Flow (\$ in Millions)									Project Total
	2020	2021	2022	2023	2024	2025	2026	2027	2028	
Primary Clarifier Rehabilitation	2.10									2.10
Grit Building/Primary Clarifier Odor Control (Phase 1)	0.45									0.45
Grit Building/Primary Clarifier Odor Control (Phase 2)		1.20								1.20
Sludge Thickening Odor Control (Phase 1)	0.35									0.35
Sludge Thickening Odor Control (Phase 2)		1.22								1.22
Electronic O&M Manuals		0.38								0.38
Sludge Dewatering Rehabilitation	2.20									2.20
Intermediate Pumping Station Rehabilitation		1.90								1.90
Intermediate Clarifier Rehabilitation			1.20							1.20
Chemical Phosphorus Removal (1.0 mg/L)		2.30								2.30
Final Clarifier Rehabilitation			4.80							4.80
CSO Facility Upgrades				2.30						2.30
Various Small-Scale (From Condition Assessment Table)	0.30	0.42	0.63	0.39	0.27	0.34	0.30	0.32	0.33	0.45
PLC Replacement Projects	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1.00
MCC Replacement Projects	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	1.40
Annual Collection System Rehabilitation Funding	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	3.00
Annual Lift Station Rehabilitation Funding	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	2.30
Fiscal Year Total:	3.17	4.19	3.82	3.84	2.94	2.31	5.87	3.39	1.10	1.22
										31.83

CAPITAL BUDGET CONTRIBUTIONS



GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

Notes

	CY(2019)	CY(2020)	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)
REVENUE in Thousands \$	Estimated	Planning										
Capital Fund Contribution - Glen Ellyn	1636	1625	1623	1639	1655	1672	1689	1705	1723	1741	1757	1773
Capital Fund Contribution - Lombard	1899	1946	1983	2003	2023	2043	2064	2084	2105	2126	2148	2151
Total Capital Fund Contribution	5	3535	3570	3606	3642	3679	3715	3752	3790	3828	3866	3886
TOTAL REVENUE												
EXPENSES \$ in Thousands \$												
Debt Service Payments:												
Capital Fund Contribution	637	1134	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632
Debt Service Subtotal	637	1134	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632
IFT/DEBT SERVICES / PROJ TOTAL												
Cash on Hand 1/1	4,130	1,120	(1,244)	(4,330)	(6,903)	(6,829)	(10,397)	(10,508)	(13,915)	(14,736)	(11,895)	
Gain/Loss FY	(3010)	(2384)	(3086)	(2573)	(1,926)	(1,568)	(111)	(3407)	(871)	15	(26880)	
Cash on Hand 12/31	1,120	(1,244)	(4,330)	(6,903)	(6,829)	(10,397)	(10,508)	(13,915)	(14,786)	(13,221)	(11,895)	(39981)

Facility Plan Projects Incorporated

- Including all odor control projects (total \$3.3M)
- Increases needed to stay in the black:
 - CY2020: 37%
 - CY2021: 34%
 - CY2022-2030: 1%

CAPITAL BUDGET CONTRIBUTIONS



GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

REVENUE in Thousands \$	CY(2019)	CY(2020)	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)
Capital Fund Contribution - Glen Ellyn	1636	1625	1623	1639	1655	1672	1689	1705	1723	1740	1757	1774
Capital Fund Contribution - Lombard	1899	1946	1983	2003	2023	2043	2064	2084	2105	2126	2148	2170
Total Capital Fund Contribution	3535	3570	3606	3642	3679	3715	3752	3790	3828	3863	3895	3944
TOTAL REVENUE	6389	3933	3977	4016	4055	4097	4148	4189	4230	4272	4314	4357
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)
Debt Service Payments:												
Debt Service Subtotal	637	1134	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632
NET/DEBT SERVICES / PROJ TOTAL	9249	6297	6263	4169	5981	5635	4218	7555	5060	2445	2040	1641
Cash on Hand 1/1												
Gain/(Loss) FY	(2860)	(2384)	(2286)	(153)	(1926)	(1568)	(111)	(3407)	(871)	156	(26086)	
Cash on Hand 12/31	1270	(1094)	(3380)	(3533)	(5459)	(7027)	(7138)	(10545)	(11416)	(9851)	(8525)	(30641)

Facility Plan Projects Incorporated

- Not including any odor capital projects
- Increases needed to stay in the black:
 - CY2020: 23%
 - CY2021: 20%
 - CY2022-2030: 1%



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CAPITAL BUDGET CONTRIBUTIONS



GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

	CY(2019)	CY(2020)	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)
REVENUE in Thousands \$	Estimated	Planning									
Capital Fund Contribution - Glen Ellyn	1636	1625	1623	1639	1655	1672	1689	1705	1723	1741	1757
Capital Fund Contribution - Lombard	1899	1946	1983	2003	2023	2043	2064	2084	2105	2125	2145
Total Capital Fund Contribution	5	3555	3570	3606	3642	3679	3715	3752	3790	3828	3856
TOTAL REVENUE											
EXPENSES in Thousands \$		CY(2020)	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)
Debt Service Payments:	Estimated	Planning									
Debt Service Subtotal	637	1134	1632	1632	1632	1632	1632	1632	1964	1964	1964
DEBT/DEBT SERVICES / PROJ TOTAL											
Cash on Hand 1/1	4130	1505	1625	(1975)	(1872)	(384)	903	1768	2404	(1692)	(2537)
Gain/Loss PT	(2625)	120	(3600)	102	1489	1287	864	636	(4086)	(655)	(211)
Cash on Hand 12/31	4505	1625	(1975)	(1872)	(384)	903	1768	2404	(1682)	(2437)	(1311)

Footnotes:

► No Changes

- Based on Budget that was approved for CY2019
- Increases needed to stay in the black:
 - CY2020: 1%
 - CY2021: 57%
 - CY2022-CY2030: 1%

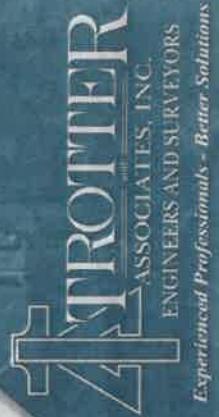
CAPITAL BUDGET CONTRIBUTIONS

Historical Contributions

Fiscal Year	Percentage Increase
FY(1986)	0%
FY(1987)	0%
FY(1988)	100%
FY(1989)	7%
FY(1990)	7%
FY(1991)	6%
FY(1992)	-20%
FY(1993)	5%
FY(1994)	5%
FY(1995)	5%
FY(1996)	5%
FY(1997)	5%
FY(1998)	5%
FY(1999)	5%
FY(2000)	16%
FY(2001)	21%
FY(2002)	13%
FY(2003)	12%
FY(2004)	3%
FY(2005)	7%
FY(2006)	7%
FY(2007)	-4%
FY(2008)	-11%
FY(2009)	0%
FY(2010)	10%
FY(2011)	9%
FY(2012)	0%
FY(2013)	8%
FY(2014)	11%
FY(2015)	-38%
FY(2016)	40%
FY(2017)	2%
FY(2018)	3%
FY(2019)	1%

Proposed increase

Calendar Year	Total Contribution	Actual Increase From Previous year	7% Annual Increase
2015	\$ 3,267,000	-	-
2016	\$ 3,330,000	2%	\$ 3,495,690
2017	\$ 3,400,000	2%	\$ 3,740,388
2018	\$ 3,500,000	3%	\$ 4,002,215
2019	\$ 3,535,000	1%	\$ 4,282,371
2020	\$ 4,348,050	23%	\$ 4,582,137
2021	\$ 5,217,660	20%	\$ 4,902,886



Comments Pertaining to the Historical Value of the Equipment Replacement Fund



As a condition of Grant funding, the United States Environmental Protection Agency required that an equipment replacement fund be established. The purpose of the fund was to be sure adequate funds are in place to replace equipment and make improvements as they are needed.

The 1985 Fred P. Johnson and Associates study recommended that a seven percent (7%) Sinking Fund be set up for equipment replacement. That meant that the fund would grow by seven percent (7%) each year. The Johnson study projected the Sinking Fund through FY 1991.

In FY1986 the O&M Sinking Fund was established with contributions being made to Fund 27, Glenbard Wastewater Authority Operations and Maintenance Fund.

In 1988 a new Fund was created based off of the Johnson Study recommendations. This was Fund 28, Glenbard Wastewater Authority Capital Equipment Replacement Fund. Fund 27 was the depository for Fund 28 with Inter Fund Transfers (IFT's) being the vehicle to transfer needed funds into Fund 28. The Equipment Replacement Fund spreadsheet illustrates the deposits, transfers, splits and accumulations of the money.

In 1992, after analyzing likely FY1992 - FY1997 equipment replacement needs, Glenbard Staff and the Executive Oversight Committee concluded that a five percent (5%) sinking fund will be adequate. It took four fiscal years between FY1992 and FY1996 to return to the contribution level of 1991. The Sinking Fund is shown as growing by five percent (5%) from FY1992 - FY1999.

A Facility Plan developed in FY(1998) caused the Glenbard Staff and the Executive Oversight Committee to commit to increasing the Sinking Fund to the Fred Johnson calculated value by FY2004.

The Sinking Fund was re-evaluated during the FY2007 budget discussions with Village Managers and Finance Directors when it was decided to no longer follow the recommended seven percent (7%) annual increase, but to evaluate the contribution on an annual basis. The Managers agreed to return to the seven percent (7%) annual increase in FY2008.

The Sinking Fund was again evaluated during budget planning for FY2008 when the decision by Village Managers and Finance Directors moved the Authority away from dedicated annual contributions, but to evaluate the contribution annually. At this time Village Managers and Finance Directors agreed to reduce the annual contribution to the Sinking Fund. It took three fiscal years between FY2008 and FY2010 to return to the contribution level of FY2007.

FY2011 was the first year that the EOC agreed to change the budget format without an executed IGA. The change to the percentages regarding how the Regional Treatment System will be constructed did nothing more than devalue the Glenbard Plant to create arbitrary funds and increase value in others.

FY 2013 is the third year the budget has been formatted without a supporting IGA. Both Village presidents agreed at the December 2011 EOC meeting that this would be the last budget formatted without a supporting IGA. If an agreeable funding mechanism cannot be achieved by November 2012 the budget will revert back to the 1998 IGA supporting the FY10 budget format.

Beginning with the FY2013 Facility Plan the Capital Equipment Replacement Fund shall be funded with a mandatory ten percent (10%) increase from fiscal year to fiscal year through the 10 year plan as agreed to by the EOC. The increase to the Fund for FY2014 is actually eleven percent (11%). With this figure the period between FY2000 & FY2014 averages seven percent (7%) contribution.

FY2014 The Capital Equipment Replacement Fund 40 is utilizing a unique revenue split approved by both partners. The revenue split shall divide the agreed contribution in half of which the first half shall be split 50% between partners. The second half of the agreed contribution will be split by the flow utilized to calculate the partners payments. A limit Capital Fund (40) shall be used to expense all projects with the approval of the Executive Oversight Committee.

SY2014, contribution which was originally the FY2015 contribution was scheduled to be \$2,970,000 based on a 12 month fiscal year. With the change to a calendar year, the contribution was modified to a Stub Year (SY) due to the 8 month budget. The scheduled contribution for capital improvements for FY2015 of \$2,970,000 was reduced by 33% or \$986,300 to \$1,980,200. This is shown as a 38% reduction on the schedule above. The following year CY2015 the contribution continues as scheduled indicating a \$1.39 million contribution.

CY2016 The Capital Equipment Replacement Fund 40 continues utilizing the unique revenue split approved by both partners. The revenue split shall divide the agreed contribution in half of which the first half shall be split 50% between partners. The second half of the agreed contribution will be split by the flow utilized to calculate the partners payments. A limit Capital Fund (40) shall be used to expense all projects with the approval of the Executive Oversight Committee.

CY2019 Proposed 1% increase has been requested

SECTION 7.0

ADMINISTRATION BUILDING HVAC CONSTRUCTION CONTRACT AWARD

MEMORANDUM

TO: Executive Oversight Committee

FROM: Tom Romza, P.E.

DATE: June 13, 2019

RE: Request for Approval

2019 Administration Building HVAC Rehabilitation Construction



In February 2018 Authority staff developed and sent out a request for qualifications and technical proposals to our six shortlisted professional consulting firms for the 2018 Administration Building HVAC Rehabilitation Design. The proposals were received and Strand Associates Inc. was selected for this design project.

The Authorities present HVAC system/equipment consists primarily of two main air handlers (one supply, one return), an inline electric duct heater which tempers the fresh air supply and provides additional heat during colder periods, an outdoor redundant reciprocal chiller package with interior located glycol cooling coil, variable air volume's (VAV's) & electric baseboard heaters controlled by pneumatic thermostats located in each office, along with numerous exhaust fans. The existing control system is pneumatic and requires manual intervention for seasonal changes with no external alarming or control. Outside of the chiller package and duct heater, which were replaced in 1994, the remainder of the equipment has been in operation since the 1977 plant improvement. Although the HVAC system in place is not in extreme imminent danger of failing, it is beyond its predicted life and would become an emergency if it fails. This design work evaluated different types of technology to replace the existing system with, taking into account any return on investment by using more "green" methods. The complete design took nearly a year to complete, and had an engineer's estimate of \$1.35M. The final design was value engineered in order to reduce the price and ensure we still would receive all that was in need of replacement. After value engineering, the engineers estimate was \$1.25M.

The Authority held a public bid opening May 24, 2019 at 1pm for the construction contract. 2 sets of bids were submitted, with a low bid of \$998,000, submitted by Amber Mechanical, Inc. Please see the attached bid tabulation for a full list of bidders and amounts. The Authority's consultant reviewed the bid proposal and reference checks were made. The engineers estimate for this project was \$1.247M.

Therefore, after discussion with the TAC, it is recommended the EOC award Amber Mechanical, Inc. the 2019 Administration Building HVAC Rehabilitation Construction in the amount not to exceed **\$998,000**. If approved, this amount will be taken out of the designated

amount in CY2019 Approved Budget, Fund 40 580180 Capital Improvements Projects, which is currently budgeted at \$1,000,000.



Strand Associates, Inc.[®]
910 West Wingra Drive
Madison, WI 53715
(P) 608-251-4843

June 3, 2019

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

Re: 2019 Administration Building HVAC Rehabilitation Project
Contract No. 1-2019
Glenbard Wastewater Authority

Dear Mr. Streicher:

Bids for the above-referenced project were opened on May 24, 2019. Two bids were received with the resulting bid tabulation enclosed. The low bid of \$998,800 was less than ENGINEER's opinion of probable construction cost.

Amber Mechanical Contractors, Inc. of Alsip, Illinois was the apparent low bidder at \$998,800. The bid included a bid bond for 10 percent and Addendum No. 1 was acknowledged.

Strand Associates, Inc.[®] has not had previous experience with Amber Mechanical Contractors, Inc. Therefore, we are not able to comment in regard to their performance on other projects.

We suggest that you consider evaluating Amber Mechanical Contractors, Inc.'s financial status prior to award and other information submitted to you as required by Article 19.05.2 found in the Instructions to Bidders of the Contract Documents.

Sincerely,

STRAND ASSOCIATES, INC.[®]

A handwritten signature in black ink, appearing to read "Adam D. Gander".

Adam D. Gander, P.E.

Enclosure

2019 Administration Building HVAC Rehab Project, Contract 1-2019, Glenbard Wastewater Authority (#6315894)

Owner: Glenbard Wastewater Authority

Solicitor: Strand Associates, Inc.

May 24, 2019 at 1 PM CST

Amber Mechanical Contractors Inc				The YMI Group, Inc. - Elk Grove Village			
Section Title	Line Item	Item Code	Item Description	Unit of Measure	Quantity	Unit Price	Extension
Lump Sum	1 LS	Lump Sum Bid	LS		1	\$998,800.00	\$998,800.00
Base Bid Total:						\$998,800.00	\$998,800.00
							\$1,099,062.00
							\$1,099,062.00
							\$1,099,062.00

Reviewed By:





Strand Associates, Inc.[®]
910 West Wingra Drive
Madison, WI 53715
(P) 608-251-4843

June 3, 2019

Mr. Jim Major
Amber Mechanical Contractors, Inc.
11950 South Central Avenue
Alsip, IL 60803

Re: 2019 Administration Building HVAC Rehabilitation Project
Contract No. 1-2019
Glenbard Wastewater Authority

Dear Mr. Major:

On May 24, 2019, Bids were received for the above-referenced project. Your firm is the apparent low Bidder. On behalf of OWNER, please submit information required in paragraph 19.05.2 of the Instructions to Bidders, listed as follows:

19.05.2 OWNER shall be satisfied that Bidder involved (1) maintains a permanent place of business, (2) has adequate plant and equipment to do the work properly and expeditiously, (3) has a suitable financial status to meet obligations incident to the Work, (4) has appropriate technical experience and (5) can submit a satisfactory performance record.

Please submit this information directly to OWNER, Glenbard Wastewater Authority, Attention: Matt Streicher, by June 7, 2019, with a copy to the undersigned at our office. Your prompt attention is appreciated as OWNER wants to take action on Contract award on June 14, 2019.

We have enclosed a sample of the Acord Certificate of Liability Insurance. Please forward this sample to your insurance carrier and have them review promptly. Please forward any questions regarding insurance as soon as possible to expedite processing of the policies. Note that the insurance certificate often omits naming the OWNER and ENGINEER as additional insureds, omits specified endorsements, and/or does not include the required umbrella policy. In addition, all completed operations insurance shall remain in effect for at least three years after final payment. Please bring these items to your insurance carrier's attention.

Sincerely,

STRAND ASSOCIATES, INC.[®]

A handwritten signature in black ink, appearing to read "Adam D. Gander".

Adam D. Gander, P.E.

Enclosure

c: Matt Streicher P.E., BCEE, Glenbard Wastewater Authority



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERs NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Insurance Agency		CONTACT NAME: PHONE (A/C. No. Ext): E-MAIL ADDRESS: PRODUCER CUSTOMER ID #:	FAX (A/C. No.):
		INSURER(S) AFFORDING COVERAGE	
INSURED Contractor		NAIC #	
		INSURER A : Insurance Company	
		INSURER B :	
		INSURER C :	
		INSURER D :	
		INSURER E :	
		INSURER F :	

COVERAGES		CERTIFICATE NUMBER:		REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
INSR LTR	TYPE OF INSURANCE	ADDL/INSR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY					EACH OCCURRENCE \$ 1,000,000
<input checked="" type="checkbox"/>	COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$
<input type="checkbox"/>	CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	X				MED EXP (Any one person) \$
	GEN'L AGGREGATE LIMIT APPLIES PER:					PERSONAL & ADV INJURY \$ 1,000,000
	POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC					GENERAL AGGREGATE \$ 2,000,000
	PRODUCTS - COMP/OP AGG					PRODUCTS - COMP/OP AGG \$ 1,000,000
	AUTOMOBILE LIABILITY					COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
<input checked="" type="checkbox"/>	ANY AUTO	X				BODILY INJURY (Per person) \$
<input type="checkbox"/>	ALL OWNED AUTOS	X				BODILY INJURY (Per accident) \$
<input type="checkbox"/>	SCHEDULED AUTOS					PROPERTY DAMAGE (Per accident) \$
<input type="checkbox"/>	Hired AUTOS					
<input type="checkbox"/>	NON-OWNED AUTOS					
	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR					EACH OCCURRENCE \$ 2,000,000
	EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE	X				AGGREGATE \$ 10,000,000
	DEDUCTIBLE					
	RETENTION \$					
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N	N/A				<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER MEMBER EXCLUDED? (Mandatory in NH)					E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below					E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
	DESCRIPTION OF OPERATIONS					E.L. DISEASE - POLICY LIMIT \$ 1,000,000
	Installation Floater or Builders Risk			SEE SC-6.05		Each Occurrence \$ 1,000,000
	Pollution Liability					General Aggregate \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 2019 Administration Building HVAC Improvements Project, 1-2019, Glenbard Wastewater Authority
 The Glenbard Wastewater Authority and Strand Associates, Inc. are additional insured with respect to General Liability, Automobile Liability, Pollution Liability, and Excess/Umbrella Liability. The Glenbard Wastewater Authority is an insured with respect to Installation Floater or Builder's Risk policies. In addition, see attached Additional Insured Endorsements for the General Liability and Automobile policies.

CERTIFICATE HOLDER		CANCELLATION	
Glenbard Wastewater Authority 945 Bernis Road Glen Ellyn, IL 60137		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.	
(Provide separate certificate to each party.)		AUTHORIZED REPRESENTATIVE	
Strand Associates, Inc. 910 West Wingra Drive Madison, WI 53715			

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SECTION 8.0

ADMINISTRATION BUILDING HVAC CONSTRUCTION ENGINEERING CONTRACT AWARD

MEMORANDUM

TO: Executive Oversight Committee

FROM: Tom Romza, P.E.

DATE: June 13, 2019

RE: Request for Approval

2019 Administration Building HVAC Rehabilitation Construction Engineering



In February 2018 Authority staff developed and sent out a request for qualifications and technical proposals to our six shortlisted professional consulting firms for the 2018 Administration Building HVAC Rehabilitation Design. The proposals were received and Strand Associates Inc. was selected for this project. This design was recently completed, and in a previous EOC agenda item, the Authority requested approval of the construction contract.

Due to the anticipated award of the construction contract, a proposal for construction engineering was requested from Strand Associates Inc. As stated in the Authority's professional engineering services policy, since Strand Associates Inc. provided satisfactory work in design (Phase 1), a request for a proposal for construction engineering services was only to Strand. Through negotiations, the Authority was able to agree on a scope of services that reduced the cost of the contract from approximately \$125,000 down to \$64,000, which is 4.7% of the estimated construction cost. Below is a list of the main scope of services Strand will provide:

- Facilitate bid opening and review bid proposals
- Execute conformed contract documents
- Attend construction progress meetings and up to 8 on-site construction observation visits.
- Review and approve shop drawing submittals
- Review requests for information and prepare change orders, if necessary
- Review payment requests
- Review operation and maintenance manuals, startup reports, training documents, and contract closeout documents
- Conduct a walk-through upon substantial completion and develop a punch list
- Provide a final site visit to verify punch list items have been completed
- Provide record drawings

Therefore, after discussion with the TAC, it is recommended the EOC approve the amendment with Strand Associates, Inc. to increase the Administration Building HVAC Rehabilitation Engineering Contract **\$64,000** to include Construction Engineering. The amendment increases the overall contract from \$107,000 to \$171,000, and extends its anticipated completion to June 20, 2020. If approved, this amount will be taken out of the designated amount in CY2019 Approved Budget, Fund 40 580180 Capital Improvements Projects, which is currently budgeted at \$1,000,000.



Amendment No. 2 to Task Order No. 18-02
Glenbard Wastewater Authority (OWNER)
and Strand Associates, Inc.[®] (ENGINEER)

Pursuant to Agreement for Technical Services dated March 20, 2018

This is Amendment No. 2 to the referenced Task Order.

Project Name: 2018 Administration Building Heating, Ventilation, and Air Conditioning (HVAC) Rehabilitation Project

Under Scope of Services, ADD the following:

"Bidding-Related Services"

1. Prepare addenda and answer questions during bidding.
2. Conduct a pre-bid meeting at the wastewater treatment plant. Questions requiring clarification will be incorporated into an addendum.
3. Attend bid opening, tabulate and analyze bid results, and assist OWNER in the award of the Construction Contract.

Construction-Related Services

1. Provide contract administration services including attendance at preconstruction conference, preparation of preconstruction conference meeting minutes, review of contractor's shop drawing submittals, review of contractor's periodic pay requests, periodic site visits, and participation in project closeout.
2. Provide one electronic copy of confirmed Contract Documents to OWNER.
3. Attend up to eight on-site construction progress meetings to observe construction progress. These meetings are anticipated to include one ENGINEER representative. In furnishing observation services, ENGINEER's efforts will be directed toward determining for OWNER that the completed project will, in general, conform to the Contract Documents; but ENGINEER will not supervise, direct, or have control over the contractor's work and will not be responsible for the contractor's construction means, methods, techniques, sequences, procedures, or health and safety precautions or programs, or for the contractor's failure to perform the construction work in accordance with the Contract Documents.
4. Review requests for information from contractor and develop change orders, if necessary.
5. Review operation and maintenance manuals, startup reports, training documents, and contract closeout documentation.

Glenbard Wastewater Authority
Amendment No. 2 to Task Order No. 18-02
Page 2
May 20, 2019

6. Conduct a walk-through with OWNER and contractor and develop a list of items to be completed or corrected prior to substantial completion of the project. One ENGINEER representative will participate in this walk-through.
7. Provide a final site visit at 100 percent construction completion to review that the items to be completed or corrected by contractor have been addressed.
8. Provide Record Drawings in hard copy and electronic format based on information compiled from contractor's records. ENGINEER will provide drafting Services only for Record Drawings based on the records presented to ENGINEER by contractor and OWNER. ENGINEER will not be liable for the accuracy of the Record Drawing information provided by contractor and OWNER."

Under Compensation, CHANGE \$107,000 to "\$171,000."

Under Schedule, CHANGE July 31, 2019, to "June 30, 2020."

TASK ORDER AMENDMENT AUTHORIZATION AND ACCEPTANCE:

ENGINEER:

STRAND ASSOCIATES, INC.[®]

OWNER:

GLENBARD WASTEWATER AUTHORITY

Joseph M. Bunker
Corporate Secretary

Date

Mark Franz
Village Manager

Date

SECTION 9.0

DISCUSSION

SECTION 9.1

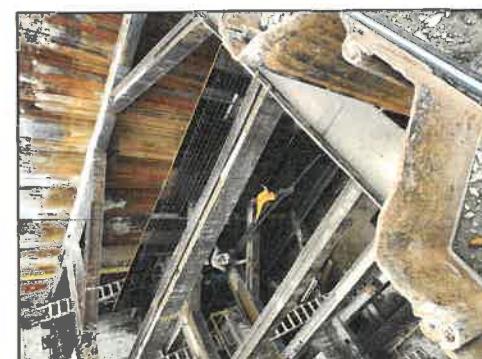
FACILITY IMPROVEMENT PROJECT – UPDATE

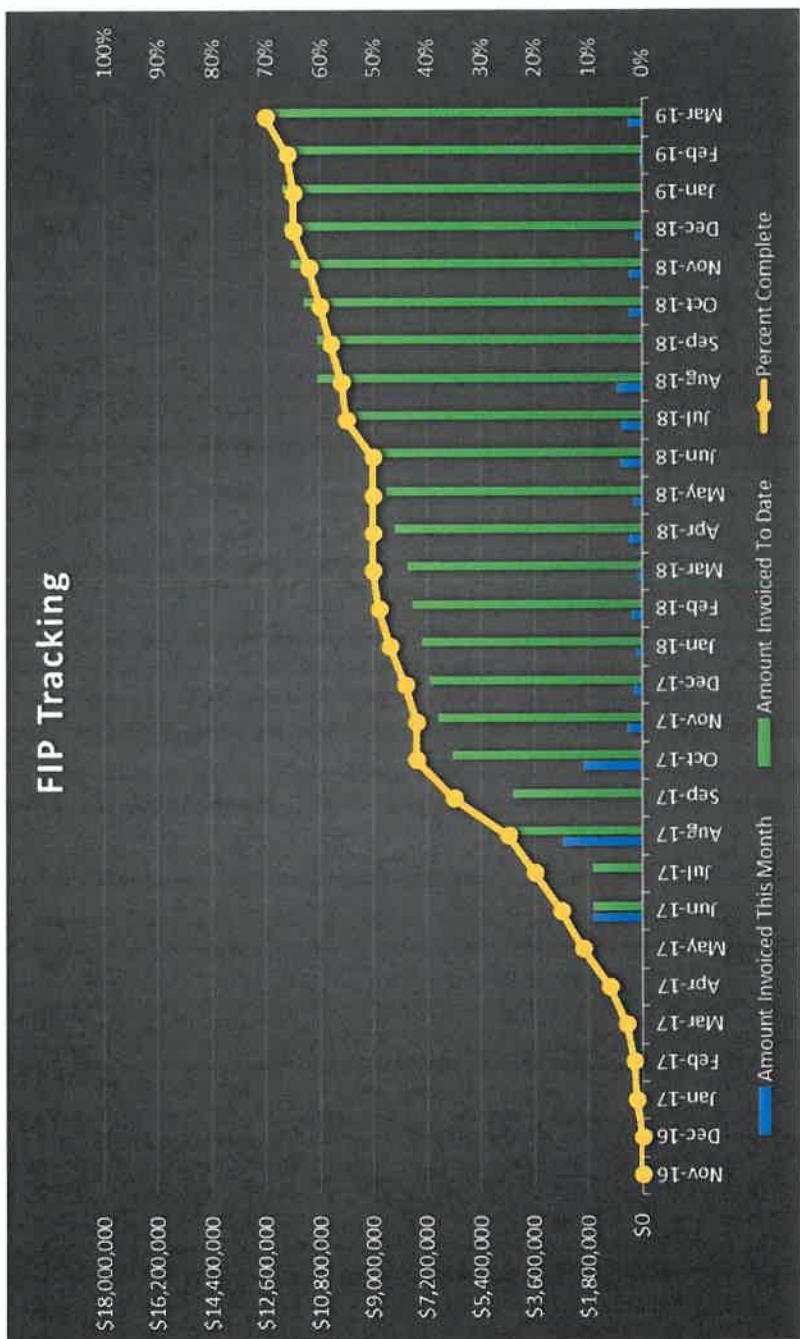
FIP Project Update



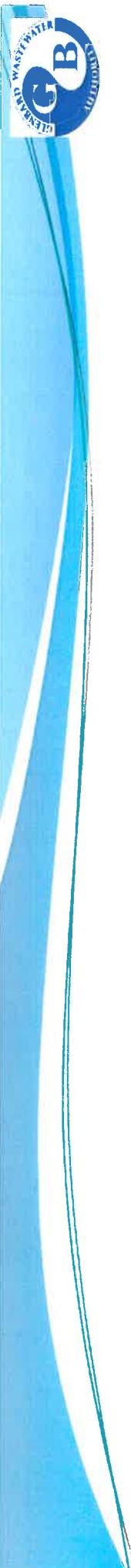
- Work Completed Since Last EOC Meeting
 - Filter Building Cleanup, punch list progress
 - Chem-feed System Installed, problem with Hypo Pumps, re-design in progress.
- Excavation for new Raw Pumps concrete base slab complete. Rebar for walls complete.
 - Pumping of water continues at over 960 gpm
 - Concrete pour plan for walls in process
 - HVAC Work – Building B duct continues
 - 286 Submittals
 - 50 Requests for Information
- Work Anticipated Prior to Next EOC Meeting
 - Filter Building punch list update
 - Pump station slab/walls poured
 - New plan for Hypo system
 - Dewatering cost detail



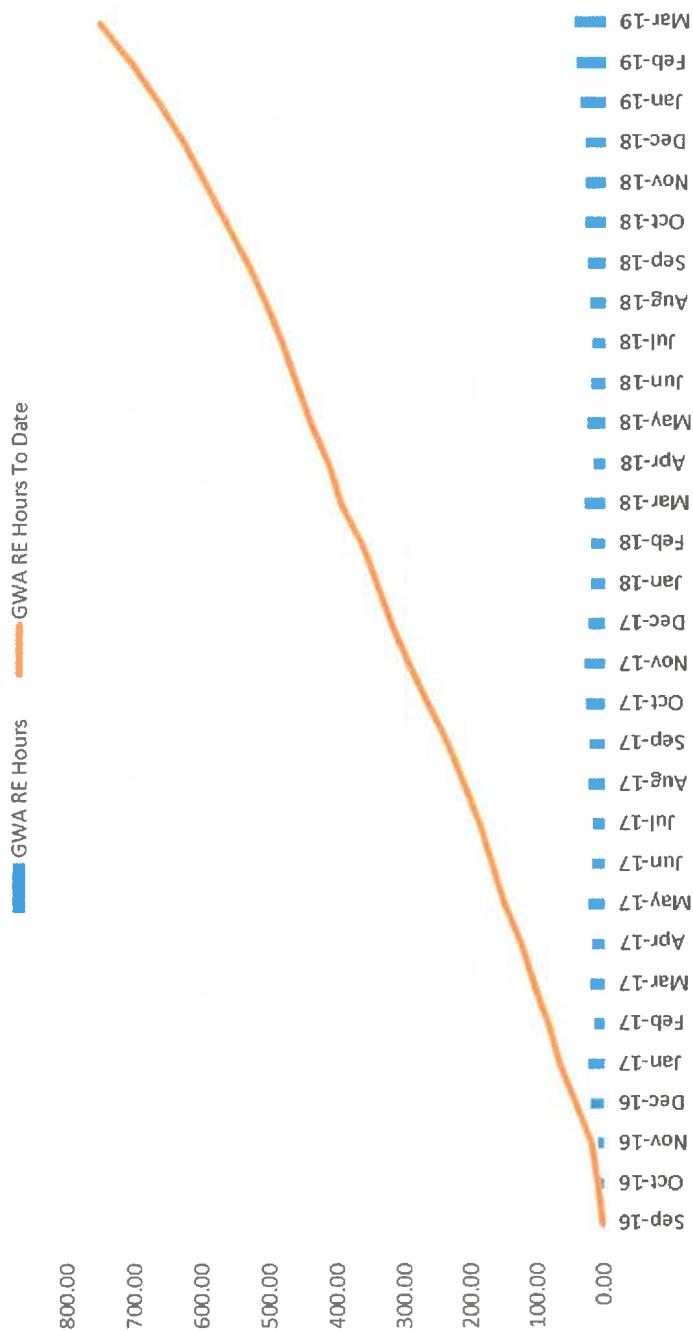




Days Remaining Until Final Completion (04/23/2020): 337



FIP GWA RE Tracking



SECTION 9.2

HIGH STRENGTH WASTE TIPPING FEES

MEMORANDUM

TO: Executive Oversight Committee

FROM: Matt Streicher, P.E. BCEE

DATE: June 13, 2019

RE: **Request for Authorization**
Negotiate Tipping Fees



The Authority's Environmental Resources Coordinator, Ashley Staat, was approached by Best Waste Solutions (BWS), a company that works with food manufacturing facilities to help find the most cost-effective means of disposing of waste products, and transporting the waste to the disposal facilities.

BWS has proposed to bring a trial waste product to the Authority that is derived from a candy production process. The Laboratory Services Coordinator has run analytics on a sample of the proposed material, all parameters were within acceptable ranges, and were desirable to the type of feedstock the Authority is seeking. The trial period for the material to see if it is compatible with our system is proposed to be 60 days, which is approximately how long it would take to see the operational impacts of receiving the material. While it's not suspected the addition of this material would cause an upset to the biological process, it could have other less significant impacts on our operations that may not be desirable, such as increased biosolids production – which results in greater biosolids hauling costs.

Since Best Waste Solutions is requesting to bring a consistent volume of approximately 25,000 gallons per week (roughly 5,000 gallons per day), they have also requested a lower tipping fee in exchange for the greater consistency of material.

Since the Authority would reserve approximately 5,000 gallons of storage volume for these daily deliveries, BWS stated they would agree to being invoiced for a minimum of 15,000 gallons per week, whether it is received by the Authority or not, at a \$0.03 per gallon tipping fee. Any volume delivered above and beyond 15,000 gallons per week would still be invoiced at \$0.03 per gallon. The Authority's typical tipping fee is \$0.05 per gallon.

If the trial period is successful, there would be multiple benefits to entering into this agreement. This material could yield an increase in Biogas production, and quality. Implementing the minimum invoice would also guarantee a stream of revenue from the tipping fees.

An official document would have to be drafted by the Authority's legal consul that would state terms that would protect the Authority, such as reserving the right to turn away deliveries for any reason at any time, and ending the agreement at any time. There would also be provisions in the agreement to protect BWS, that if we were unable to accept loads for reasons not related to their product, we would not be able to charge them.

Therefore, it is recommended the EOC authorize the Authority to enter into an agreement with Best Waste Solutions to allow for a \$0.03 per gallon tipping fee and a minimum of a 15,000-gallon per week being invoiced, along with any provisions the Authority's legal consul feels to be appropriate in the agreement in order to protect the Authority.

SECTION 9.3

**JUNE 1, 2019 OPEN HOUSE
REPORT**

MEMORANDUM

TO: Executive Oversight Committee
FROM: Matt Streicher, P.E. BCEE
DATE: June 13, 2019
RE: 2019 Open House



On June 1, 2019 the Authority hosted its first ever official open house from 9am – 12pm. Two of the maintenance garage bays were cleared out to make room for laboratory displays, a historical timeline of aerial photos of the treatment plant and surrounding areas from 1944 to present, children's activities, a rotating slideshow containing various information on the Authority and wastewater treatment, free giveaways, a raffle with a prize, and coffee and refreshments. Also, tours were given every half hour starting from the garage. The tours were approximately one hour in length, with one tour group being over 30 people. Fourteen of the Authority's 17 full time staff were present to assist with the event, as well as one of the part-time staff. Another two part-time staff members were present to operate the plant while the event was occurring.

Staff counted approximately 100 guests throughout the three-hour period. Positive feedback was received from residents with many compliments. Most of the guests that came were neighbors to the plant, some newer, and some long-time residents that had never set foot on the plant. We also appreciated Trustee Christiansen and Trustee Fugiel visiting during the open house as well.

The Authority also would like to thank the Village of Glen Ellyn and Village of Lombard Media Relations departments, as both Village's helped advertise the event in numerous ways, and were able to help gather attention.

JOIN US FOR OUR 1st EVER OPEN HOUSE

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SATURDAY, JUNE 1, 2019

FROM 9 A.M. TO NOON

**GLENBARD WASTEWATER AUTHORITY
945 BEMIS ROAD, GLEN ELLYN
(1 block East of Route 53)**

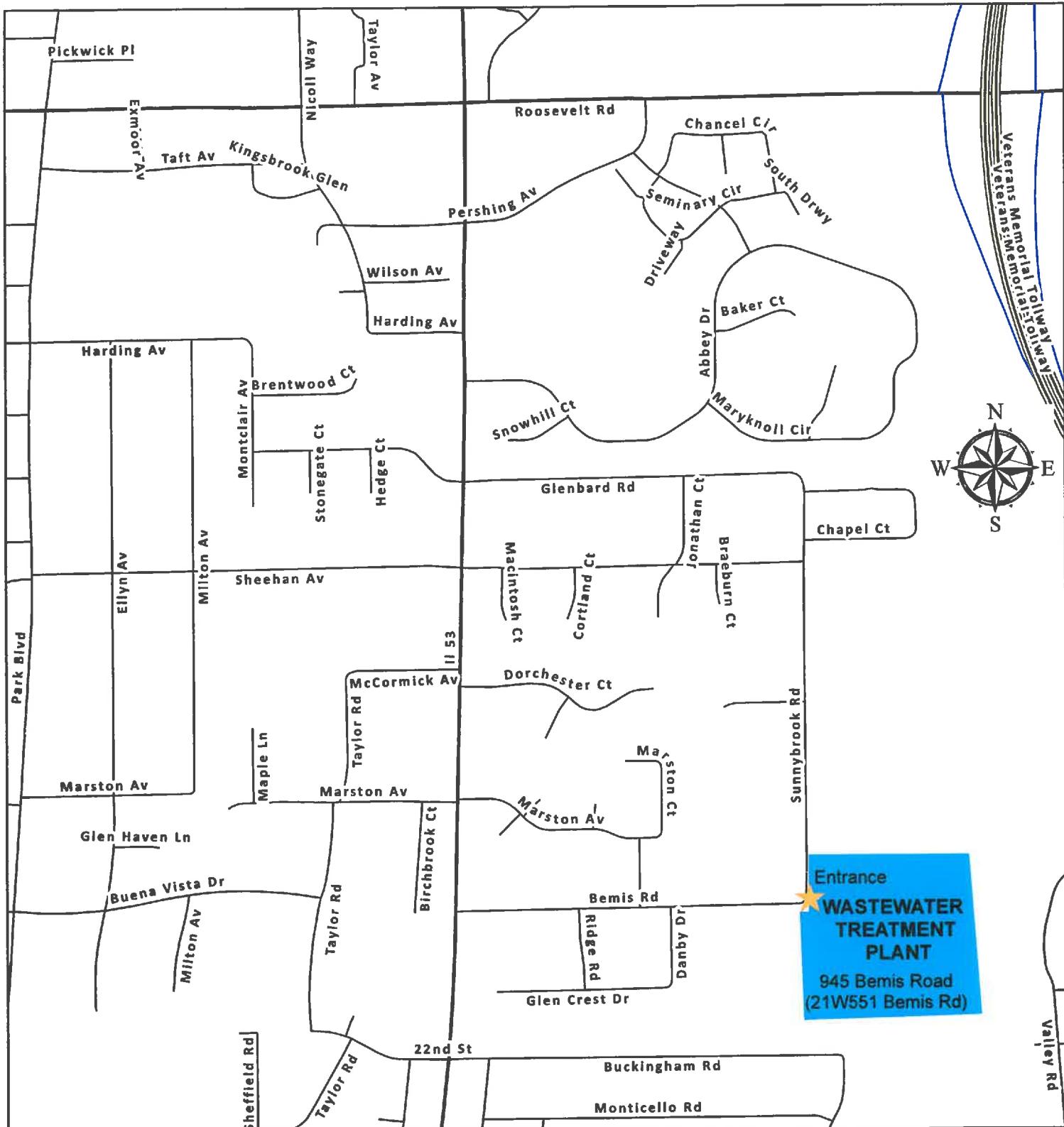
Join us for this unique opportunity to see firsthand how your local wastewater treatment plant operates!

Tours start @9a.m. and will be every half hour until 11:30am
Residents/homeowners, students, scout groups and the general public
are all welcome. Admission is free! Refreshments Provided.

Please RSVP for groups larger than 10 individuals

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FOR MORE INFORMATION, CALL 630-790-1901 OR VISIT
WWW.GBWW.ORG.



**945 Bemis Road, Glen Ellyn, IL
(630) 790-1901
www.gbww.org**

SECTION 10.0

OTHER BUSINESS

SECTION 10.1

TECHNICAL ADVISORY COMMITTEE UPDATES

APRIL 2019



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 April 18, 2019 10:30am

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

1. FIP Update

a. Dewatering Costs

Mr. Streicher and Mr. Romza informed the TAC that the dewatering costs continue to escalate the longer dewatering is necessary, however the contractor has failed to provide sufficient information in order to determine exactly what they are at this point, other than some unorganized documentation showing rough numbers. At this time, it appears GWA could be looking at around \$200k of dewatering costs, but many attempts at negotiating that number are being made. GWA has stated our position on many of the costs and asked for more details in general, but has had no response. GWA continues to monitor activity closely on our end to ensure we have proper grounds to continue to negotiate costs down.

b. Schedule Update

i. No Payments Issued Due to Lack of Complete Schedule

GWA sent a third formal letter in February continuing to put the contractor on notice in regards to an incomplete and inadequate schedule. The contractor still needs to provide a detailed schedule showing all trade work, as well as a formal acknowledgement that they will not meet the contractual completion date.

c. Filters Update

Mr. Romza updated the TAC that the manufacturer of the filters has been working with GWA on ways to address the frequent blinding of the new filters. The manufacturer suspects that GWA has a weak floc that breaks down quickly when it hits the filters, so they have recommended minor process changes in order to attempt to increase the strength of the floc. GWA has implemented the recommended changes, but it may take a couple of months to see any results, if any. GWA has no intentions of adding any other processes/costs in order to make the filters work properly. GWA has been pleased with the Manufacturers responsiveness and willingness to address the situation.

d. Concrete Pours

GWA informed the TAC that several mass concrete pours had occurred and that "e-blasts" were sent to neighbors informing them of increased truck traffic. GWA intends to continue to send notifications prior to any pour or other activity that would increase traffic down Bemis.

e. Disinfection System Anticipated Change Order

Mr. Romza and Mr. Streicher informed the TAC of another anticipated change order, this one in relation to the chemical feed system intended to disinfect the non-potable water system. The pumps the design engineer specified are not adequate to pump the chemical into the non-potable water system at the location specified. The designer claims that GWA gave them incorrect information during design, and had meeting minutes which appeared to verify their claim, however it's difficult to tell if those are accurate or not. The designer is developing alternatives for GWA to evaluate and estimated costs. GWA will attempt to negotiate with the designer to see if any additional costs can be alleviated, since we do not feel we are at fault, and this should have been easily caught in ample time prior to construction.

f. Construction Engineering Contract

Mr. Streicher informed the TAC that the design/construction engineer is working without a contract. GWA used all the funds in the contract in late 2018, but the engineer has kept working

as if they were under contract. In late 2018 GWA did review a proposed amendment that would extend the contract, however it had no costs included, and GWA requested further information. No response has been given, and the engineer is aware they are working at their own risk, as GWA is not obligated to award any further amendments to their existing contract that expired.

2. Other Business

a. Roofing Update

Mr. Romza informed the TAC that GWA is working with Arcon Roofing Consultants again this year to replace the roofs on the UV and SRI pump station buildings. The schedule is to bid the work over the summer, and have it completed early fall after schools start, and contractors generally become more available.

b. Screw Pump Cover Bid

Mr. Romza updated the TAC that GWA has put together bid items to bid out for the materials to replace the screw pump covers that have been missing for some time. Directors Hansen and Goldsmith asked if the covers were actually required or provided some benefits. Mr. Streicher and Mr. Romza explained that the covers should be replaced as they were installed originally with the pumps, and that they only reason they had not been replaced sooner was because there was question as to whether or not that pump station would be redesigned in order to accommodate any process changes related to nutrients. Since further studies have been completed recently, it is apparent that the existing pump station will stay in place for a considerable amount of time, so investments need to be made to it – including replacing the covers. The bid is expected to go out in May 2019.

c. SRI Rehab Evaluation

Mr. Romza explained to the TAC that GWA intends to rehabilitate the outfall structure for the SRI pump station. GWA has been researching different types of applications to rehabilitate the existing concrete walls that have deteriorated in the structure, and has participated in some vendor visits with the Village of Lombard. GWA intends to bid out for the material and complete the work in house over the summer months.

d. Purchasing Policy Discussion

Director Hansen had previous questions in regards to approving larger purchases for GWA without Lombard's involvement. Currently, any purchases under \$20k do not need EOC approval, and therefore Lombard typically is not aware of them. Director Goldsmith stated that he is fine with that method, as Glen Ellyn is reimbursed to be GWA's lead agency, and therefore is trusting with that responsibility. Director Goldsmith did state though that if there are any "oddball" purchases, or items not specified in an approved budget, that he would at least like to be made aware of them.

e. HVAC Design Update

i. Cost Estimate

Mr. Romza and Mr. Streicher informed the TAC that the HVAC design project is at its 90% complete phase and GWA has received an estimated construction cost that is just under \$500k above budget. Mr. Romza explained to the TAC that there was additional design added to the project that was not included in the original budget number, which contributed to approximately \$140k additional construction cost, but that cost would be saved from the Electrical Grid Design project in the future. Mr. Streicher informed the TAC that GWA and the designer had done value engineering in order to ensure costs were kept to a minimum, while the intent of the project is still being met.

f. Electrical Grid Design Update

Mr. Romza and Mr. Streicher informed the TAC that the design of this project is significantly behind schedule, with very little justification as to why. The design engineer has acknowledged the delay and has laid out a plan to complete the design and construction in adequate time.

g. Property Acquisition Discussion

Mr. Streicher informed the TAC that since the EOC has given authorization to enter into discussion with the neighbors interested in GWA acquiring their property, he has begun reaching out to one of the residents, and will follow with the other once a better direction is determined. Both GWA and TAC agreed there is no urgency to this item, and that Mr. Streicher will continue to provide updates.

h. Open House



Glenbard Wastewater Authority

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Mr. Streicher informed the TAC that GWA continues to prepare for its June 1 Open House, and has sent invites out to both Village's community groups, libraries, county/state/federal representatives, school districts, etc. GWA intends to spend some money on PR materials, refreshments, and other expenses in an effort to make it a successful open house. GWA and the TAC agreed that the Open house does not need to be an annual event, but instead possibly every 2-3 years. The ideal time for the next open house would be after the FIP project is complete.

i. Odor Season Responses

Mr. Streicher informed the TAC that since ample time has passed since the digester upset, and GWA has taken considerable action in terms of responding to resident complaints, that this summer response to resident complaints may become more defensive (in a very appropriate manner) if GWA can directly prove that it is not a source of odors. Recently, a complaint was made from a neighbor when the wind direction/speed was in such a manner it would have been very unlikely that GWA was the source of the odor. Mr. Streicher politely and calmly explained this to resident, and will continue to provide factual information defending the Authority when appropriate.

j. Berm Reduction

Mr. Streicher informed the TAC that GWA intends to lower the berm located on the property across the street near the Bemis/Sunnybrook intersection. The work will be done in house, and it is only intended to lower the berm a couple of feet, in order to increase visibility around the turning radius. GWA needs to complete a Village of Glen Ellyn permit application to work in the ROW, since the majority of the berm is located within the ROW.

3. Old Business

a. FPA Amendment Update (Carl)

Director Goldsmith updated the TAC that the purchaser of a parcel in Lombard near Yorktown has engaged in discussion with Flagg Creek Water Reclamation District in regards to requesting a variation that would allow the purchaser to develop the parcel. It was determined that an engineering study was needed to determine collection system capacities going to Flag Creek, and that either the developer would pay Flag Creek to have the study completed, or Flag Creek would pay for the study itself. At this time, unless there are severe collection system restrictions and no party is willing to complete them, this property will continue to flow to Flag Creek. If things do not work out, Flag Creek would be open to having the property come to GWA. Therefore, Lombard is also studying their collection system capacities.

b. Manhole/Sewer Inspections ongoing

GWA notified the TAC that RJN is out doing manhole inspections on GWA's interceptors, which are located in both Villages. GWA will provide the TAC an update on the sewer inspections once Red Zone Robotics provides a schedule

c. Pretreatment Ordinance Status/Village of Glen Ellyn FOG

Mr. Streicher informed the TAC that GWA still has not heard back from the USEPA on the final comments/questions in the pre-treatment ordinance. The remaining items are relatively simple, and once a formal response is given, Lombard intends to adopt the updated ordinance. After Lombard has done so, Glen Ellyn will begin the process, which should be simpler since USEPA will already have approved of it.

d. Forest Preserve County of DuPage Easement Leases

Director Hansen stated that Glen Ellyn's engineer is still working with Forest Preserve to determine which easements, if any, need to be dedicated/leased again along St. Charles Road for GWA's North Regional Interceptor. The existing Easements expired some time ago. Director

Hansen also stated that he is willing to turn the Maryknoll property over to the forest preserve as a bargaining chip in regards to the St. Charles easements.

- e. 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

No Discussion

Meeting adjourned 11:46am. Discussion was had that the next TAC meeting would be rescheduled from 9:30am on May 16 to 1pm on May 22nd due to conflicts.

MAY 2019



Glenbard Wastewater Authority

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

GWA Technical Advisory Committee (TAC) Meeting Minutes

May 31, 2019 9:00am

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

1. FIP Update

a. Dewatering Costs

Mr. Romza updated the TAC that we still do not have an accurate/up to date number on what the Authority's costs will be for dewatering. It has been requested many times from the contractor, as the last update we received was from February, and a response was given to the contractor. The Authority is disputing many of the charges, and also requested more detail, rather than just pictures of receipts and labor costs. The Authority also has verbally told the contractor that it will not pay for dewatering while the ERS conflicts are being resolved, as this is down time, and should have been planned for. The TAC suggested that Mr. Streicher issue that statement to the contractor in writing so it is officially recorded.

b. Schedule Update

i. Partial Payment Issued

The FIP schedule continues to fall behind due to conflicts with concrete pouring and the ERS. Mr. Romza and Mr. Streicher explained the conflicts, as there are 32 locations where the ERS beams conflict with concrete pours. The contractor had a solution that the consulting engineer did not accept, however, the Authority encouraged the engineer to attempt to give more specific means and methods to work with the contractor's solutions, to which they did to a degree. The engineer is currently waiting on a response from the contractor.

c. Filters Update

Mr. Romza informed the TAC that because of the very wet May, the manufacturer has not come out to check on the status of their recommended operational changes, since the flows have been so high the filters have been in constant backwash mode anyways. The TAC asked Mr. Streicher and Mr. Romza if they were comfortable with the manufacturers approach, to which they replied they were although there is skepticism that the operational changes will have any impact on backwash rates. It is also understood that the high flows have delayed any further action being taken.

d. Concrete Pours

Discussed in above items

e. Disinfection System Anticipated Change Order

Mr. Romza informed the TAC that the consulting engineer is still investigating two options in relation to the disinfection system; routing the injection point upstream of the forcemain, or increasing the pump size so that it may inject directly into the forcemain. The TAC inquired as to the reason for this change again, which was that the pumps were not designed correctly, it appears in the consulting engineers meeting minutes that they were told by the Authority that the forcemain pressure would be reduced after the project was complete. That statement is not accurate, the Authority never had any intentions of lowering the pressure in the pipe, so we are unaware of who mentioned that to the engineer during design. In addition to the engineer's investigation to a solution, the Authority investigated a solution as well, since the Authority is in a better position to "plead for mercy" from the manufacturer's representative. Director Goldsmith asked if the engineer would be paying for this change, Mr. Streicher responded that they generally do not have any liability in these types of situations, and that the Authority would have

to pay for the correct installation even if it were designed correctly to begin with. The Authority is waiting on the Design Engineer to finish cost estimates for both options.

f. Construction Engineering Contract

Mr. Streicher and Mr. Romza informed the TAC that the consulting engineers contract ended towards the end of 2018 when all the money in the contract was used up, however the consultant has continued to perform their work, despite the Authority making several requests to amend the contract. The Authority did provide feedback on a draft amendment to the contract in November of 2018, but no other progress in providing an actual amendment had been made from the consultant. Mr. Streicher said after inquiring several more times and not getting a response, he stopped asking, since essentially the consultant is working for free at this time. The TAC suggested Mr. Streicher contact the Authority's legal consul to get his opinion, as the TAC was curious if there could possibly be any negative ramifications for not having a contract in place.

2. Admin Building HVAC Construction

a. Bid Opening May 24

Mr. Streicher and Mr. Romza informed the TAC that the low bid came in at \$998,000. The engineers estimate was \$1.24M, so the Authority was pleased with the bid. Director Hansen asked if there were any costs that could be cut to lower the cost, since when combined with the proposed construction engineering fees (below) it was slightly over the \$1.0M that was budgeted. Mr. Streicher and Mr. Romza stated that the project had already been value engineered prior to going to bid, so without comprising the goals of the project, no other items could be removed. Mr. Romza also reminded the TAC that the \$1.0M estimate did not include the extra MCC work that was incorporated into the HVAC project while being removed from the upcoming medium voltage electrical grid project, so the bid price appeared to be very favorable. The TAC was satisfied with the bid and agrees recommending approval at the EOC meeting.

b. Strand Construction Engineering Services Scope

Mr. Streicher and Mr. Romza informed the TAC that the initial cost for construction engineering was approximately \$125,000, however while negotiating scope with the engineer, the Authority realized much of the observation work could be done in-house, along with some administrative work. Therefore, the proposal was negotiated down to \$64,000. The TAC was satisfied with the proposal and agrees recommending approval at the EOC meeting.

3. Budget Discussion

Mr. Streicher presented the TAC with several scenarios of next calendar years budget; the version that was essentially approved last year, a version incorporating all of the recommendations made in the facility plan (including odor control), and a version with all of the facility plan recommendations but no odor control projects. Even without adding any projects from the facility plan, the capital budget that was approved last year would have needed significant increases in the percent contributions by each Village, which was the point Mr. Streicher was trying to demonstrate. There was emphasis that this should be brought up to the EOC before budget season starts so it is not a surprise. Mr. Streicher calculated that even without odor control improvements, in order to stay in the black, the capital budget would require a 30% increase next year, followed by a 25% increase, and then would be able to go back to the annual 1%. The TAC advised Mr. Streicher to attempt to re-work the budget to smoothen the number so there wasn't such a significant increase in one calendar year, and to present this information to the EOC. Mr. Streicher stated he intends to include this information in the Facility Plan presentation. Mr. Streicher stated that when he was asked to lower the annual contributions to 1% last year, he had stated that would not be sustainable, so this should not be a surprise. Director Goldsmith and Hansen agreed that it is not a surprise.

4. On-Call Discussion

Mr. Streicher and Mr. Romza informed the TAC that starting in 2020 they are going to propose that the Electrical and Maintenance departments have an on-call rotation in addition to the existing Operations on-call rotation. The Authority has been fortunate that during off hours, when staff from the Electrical or Maintenance Departments has been needed, they have been able and willing to respond. However, rather than rely on luck, the Authority would like to have an "insurance" policy in place and have those departments required to be available. It was calculated that having one person from the electrical and one person from the maintenance department would incur approximately \$15,000 in additional personnel costs. The TAC agreed that this is a good approach and would support the increase in the budget. The TAC



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agreed that the Authority should have discussions with Glen Ellyn Public Works to understand their means of providing on-call compensation.

5. Other Business

a. Screw Pump Cover Bid Opening

i. May 31st

This is for materials only in order to replace the cover on the West screw pump. The installation would be performed in-house.

b. Roofing bid out May 25th

i. Pre-bid meeting June 4

No Discussion

c. Electrical Grid Design Update

Mr. Romza updated the TAC that the Authority is awaiting 90% drawings from the consulting engineer and that this project is expected to be bid out later this summer.

d. Property Acquisition Discussion

Mr. Streicher informed the TAC of the status of the acquisition discussions. Since this is an executive session matter and information is confidential, no further information will be provided in these minutes. The TAC agreed with Mr. Streicher's approach.

e. Open House

Mr. Streicher and Mr. Romza reminded the TAC that the Authority would be hosting its first open house Saturday June 1. Mr. Streicher appreciated each Village's efforts to promote the event.

f. Berm Reduction/Property Across the street/ROW Work

No discussion

g. NACWA Platinum Award

i. Award Acceptance

Mr. Streicher and Mr. Romza informed the TAC that the Authority was awarded the prestigious Platinum award and that Gayle Lendabarker would be attending the award ceremony to receive the award on July 18 in Minneapolis. Director Goldsmith noted that he will be in Minneapolis at this time on a family vacation and may be able to make an appearance to receive the award with Gayle at no cost to the Authority.

h. NPDES Renewal

i. RFP for application assistance

Mr. Streicher informed the TAC that the Authority's three NPDES permits will be expiring in September of 2020, and we are required to apply for renewal at least 6 months ahead of time. Since nobody present at the Authority has gone through this application process, it is desirable to have a consultant perform the application with Authority staff assisting, so that it may be done more independently in future applications. A consultant will be needed for the public comment period after a draft permit is issued as well. Mr. Streicher was asking if the typical RFP process will need to be done for this work, since it is relatively inexpensive (\$10-\$15k), and one of the short-listed consultants performed this assistance for the Authority 5 years ago when our last permit was renewed. The TAC discussed different approaches that could be taken in place of the formal RFP process, however ultimately the TAC suggested consulting Village Manager Franz in regards to this since the Authority falls under Glen Ellyn's purchasing policy, and this decision most likely would not go to the EOC.

6. Old Business

Protecting the Environment for Tomorrow

- a. FPA Amendment Update (Carl)
 - b. Manhole/Sewer Inspections ongoing
Mr. Romza updated the TAC that all of the manhole field data has been gathered and is now being evaluated by the consultant. RedZone robotics has not begun the sewer inspections yet.
 - c. Pretreatment Ordinance Status/Local limits change
Mr. Streicher appreciated input from Lombard's legal consul on some language. The proposed language has been resubmitted to the USEPA, so a response is forthcoming.
 - d. Forest Preserve County of DuPage Easement Leases
No Updates
 - e. 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
- No updates*

Also discussed at the TAC meeting (Director Hansen had to leave by this point, so only Mr. Streicher, Mr. Romza, and Director Goldsmith were present):

- Revenue for HSW/FOG
Mr. Streicher asked Director Goldsmith if he was aware what the limitations are for Mr. Streicher being able to decide on revenue streams for the Authority. One high strength waste hauler is requesting lower rates if they could guarantee deliveries. Currently the Authority charges \$0.05/gallon, but the hauler was proposing a \$0.03/gallon rate, if they could guarantee a certain volume of high strength waste per week. Mr. Streicher stated that he would be willing to entertain the idea, if he were allowed to make that decision. Director Goldsmith was unsure, as again, most of our policies fall under Glen Ellyn's – and he therefore advised me to consult Director Hansen/Manager Franz. Director Goldsmith did agree with Mr. Streicher's approach, and that a written agreement would need to lay out terms.
- Polymer Purchase
Mr. Streicher simply intended to inform the TAC that an item was added to the consent agenda in the draft EOC packet that was sent out the week prior. Although polymer prices are \$1.13/pound, the overall expenditures throughout the course of the year can total over \$20k, therefore EOC approval is needed.
- *Mr. Streicher simply intended to inform the TAC that due to all the rain sludge was not being able to be land applied, and it can only be stockpiled off site a certain amount of time, so the Authority was looking at the possibility of either having to stock pile on-site or pay extra fees for the sludge to be put into a landfill. Since the Authority had made a promise to neighbors and to the EOC, and also was in a compliance commitment agreement with IEPA, not to stockpile sludge on-site – the Authority would have no option other than to pay the extra fees to have the sludge landfilled. Director Goldsmith understand and agreed that it should not be stockpiled on site if at all possible.*

Meeting adjourned 11:44am

SECTION 10.2

PENDING AGENDA ITEMS



Glenbard Wastewater Authority

21W551 Bemis Road Glen Ellyn, Illinois 60137

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

2019 Pending EOC Agenda Items

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

Protecting the Environment for Tomorrow



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Administrative			
Forest Preserve Easement License Costs for NRI	\$150,000	TBD	Under VOGE Review
Pretreatment Ordinance Recommendation	-----	June	Under USEPA Review

SECTION 11.0

NEXT EOC MEETING

THURSDAY

JULY 11, 2019

AT 8:00 A.M.

SECTION 12.0

EXECUTIVE SESSION