

GLENBARD WASTEWATER AUTHORITY

Executive Oversight Committee

Agenda

October 2, 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 August 2019 totaling \$1,144,670.10 (Trustee Christiansen).

5.1 Executive Oversight Committee Meeting Minutes:
August 8, 2019 EOC Meeting

5.2 Vouchers Previously Reviewed by: Trustee Christiansen
August 2019

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

In the 2019 GWA budget, staff allocated \$50,000 for the purchase of this media in budget category Plant Equipment Rehabilitation account 40-580150. Therefore, *we motion the EOC to authorize approval to purchase CHP media from Unison Solutions in the amount of \$26,801.75*

5.4 Retroactive Approval of Sandblasting and Coating of Thickener Bridge

The existing gravity thickener at the Glenbard Wastewater Authority has not been repainted since being put in service many years ago, therefore, it was budgeted to sandblast and repaint elements of the catwalk structure that are above the water level. This project was originally budgeted in CY2016 but deferred for several years due to budgetary needs for other projects, and therefore is now overdue. All elements of the thickener were inspected by the maintenance department the summer of 2016 and determined to be structurally sound, and all elements under the water level were determined to not need painting. The scope for this project is to set up scaffolding, cover the drive unit, perform sandblasting of the existing catwalk structure and handrail, remove the sand from the covered tank and apply paint to existing catwalk structure and handrail. The sand will be allowed to be disposed on site in order to save costs.

Based on qualifications and price, staff motions the EOC to authorize awarding the project to **G.P. Maintenance Services Inc.** for the amount of **\$49,700.00**. In this year's budget number 40-580150, \$40,000 is allocated towards "Clarifier Mechanism and Bridge Painting." Although \$9,700 over budget, sufficient funds remain in this line item. During the past month two capital projects have been completed in-house by the maintenance staff resulting in significant savings. *This item was approved by Village Manager Franz and Public Works Director Hansen on September 16, 2019, but is seeking retroactive approval from the EOC.*

6. Amendment #1 to Black & Veatch's Construction Contract

In March 2016, just prior to the Facility Improvement Project being bid out, the EOC approved a construction oversight contract with the design engineer for the project, Black & Veatch (B&V), for the amount of \$706,943. The Authority recommended that B&V oversee the construction management on a part-time basis due to the critical details involved with the design. The Authority had worked closely with B&V on reducing the amount of oversight required due to the hiring of an Assistant Director/Engineer.

Due to the progress of the project, and many other conditions explained in the attached memo, Black & Veatch is now requesting an amendment to their existing contract so that they are able to continue construction management until the completion of the project. Black & Veatch met with the TAC and explained several terms highlighted in the memo.

It's motioned that the EOC authorize GWA to amend the construction contract with Black & Veatch for an amount of \$300,000 with the ability to amend the contract at \$324,000 should Black and Veatch not agree to the discounted price. This is anticipated to carry the contract through the remainder of the FIP project, barring any unforeseen delays. These funds would come out of the 40-580180 budget, and have been appropriately placed in the CY2020 budget.

7. CY2020 Budget Approval

Enclosed is a memo summarizing the highlights of the draft CY2020 budget, along with the draft budget itself.

Motion the EOC to authorize approval of the CY2020 Budget to the Full Boards of Glen Ellyn and Lombard

8. 1S641 Sunnybrook Road Parcel Purchase

In late 2018 the property owner at 1S641 Sunnybrook, directly adjacent to GWA to the North (as seen outlined in blue on the enclosed aerial photo), approached the Authority in regards to the purchase of his parcel. Although there is no immediate need for this property, it will most likely eventually have a potential use in the future, therefore consideration was given to purchasing it since it is contiguous with the Authority's existing property line. Per the EOC's direction and authorization in closed sessions, an appraisal was obtained, and negotiations ensued. A deal was agreed upon, with the agreed purchase price of \$450,000, with the additional term that the seller would be allowed to stay at the property for the period of 1-year after the sale without paying a rent. The Authority will not be liable for anything while the seller is still living on the premises, and will not act as a landlord. The Authority's attorney has drafted the enclosed purchase agreement, which the Authority can enter into after the EOC has approved the use of the funds.

Motion the EOC to authorize the use of capital funds to purchase 1S641 Sunnybrook Road, Glen Ellyn, Illinois for the price of \$450,000. This purchase is included in the 40-580180 capital budget.

9. Discussion

9.1 Facility Improvement Project Update

10. Other Business

10.1 Technical Advisory Committee Updates

10.2 Pending Agenda Items

10.3 Full Board Meeting – Tuesday, November 12, 2019

11. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, November 14, 2019 at 8:00 a.m. in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137***

SECTION 5.0

CONSENT AGENDA

SECTION 5.1

MINUTES FROM THE AUGUST 8, 2019 MEETING

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Minutes
August 8, 2019
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
Kelli Christiansen	Trustee, Village of Glen Ellyn
William Ware	Trustee, Village of Lombard
Mark Franz	Village Manager, Village of Glen Ellyn
Scott Niehaus	Village Manager, Village of Lombard
Julius Hansen	Public Works Director, Village of Glen Ellyn
Carl Goldsmith	Public Works Director, Village of Lombard

Others Present:

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

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

Motion the EOC to approve the following items including Payroll and Vouchers for part of the month of July 2019 totaling \$2,126,368.91 (Trustee Christiansen).

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

5.1 Executive Oversight Committee Meeting Minutes:

- o July 11, 2019 EOC Meeting

5.2 Vouchers previously reviewed by Trustee Christiansen

- o July 2019

6. Screw Pump Cover Materials Purchase Approval

In September of 2011, the treatment plant experienced a power outage that caused the intermediate pump station to surcharge and submerge the lower bearing of the screw pumps. Staff was able to restore power and put the intermediate pump station back into operation without pumping down the surcharged condition. The buoyancy of the water in the pump station caused the lower bearings of the screw pumps to fail and the large screw to “walk” up the walls of the station. This caused damage to a lot of the infrastructure including the covers of the screw pumps. While the essentials for operation were replaced and repaired, the covers were never repaired. The entirety of the west screw and the lower portion of the east screw have been exposed since this incident. It is GWA’s intention to replace these covers in order to improve public image, in terms of odor control, and increase the safety of entering the screw pump station during routine maintenance. The Authority’s maintenance staff will install the materials in-house, which saves approximately \$20,000 in contractor costs.

It is recommended that the EOC award RPS Engineering the 2019 Polyester Formed FRP Covers for the Screw Pump Station contract in the amount of \$38,300. This amount will be taken out of the designated fund in CY2019 Approved Budget, Fund 40 580150 Plant Equipment Rehabilitation, which is currently budgeted for \$45,000.

Mr. Streicher advised that in 2011 there was a failure with the west screw pump which caused the cover to be ripped off; at that time, the decision was made to hold off on replacing the covers due to possible changes to the biological process for phosphorus removal; which would have resulted in significant changes to the screw pump station; however, it has now been determined these changes are many years down the road and the process will be a chemical process in the interim, which will not need changes to the station. Therefore, staff decided to move forward with replacing the covers for the sake of safety, as well as some odor mitigation. Mr. Streicher indicated that GWA had advertised this project, but had not received any bids in response; therefore, the decision was made by GWA staff to purchase covers from the vendor who had provided the budgetary number and perform the installation in-house to realize approximately \$20k in cost savings.

Mr. Franz motioned and Trustee Ware seconded the Motion to award RPS Engineering the contract in the amount of \$38,300 for the Polyester Formed RFP Covers for the Screw Pump Station. The funds will be allocated from the CY019 Approved Budget, Fund 40-580150 Plant Rehabilitation Fund. President McGinley,

President Giagnorio, Trustee Christiansen, Mr. Franz, Mr. Niehaus, Mr. Goldsmith, and Mr. Hansen responded “Aye” during a roll vote. The motion carried.

7. Approve updated Pretreatment Language, Definitions, Local Limits, and Enforcement Response Plans for use in Member Agencies Sewer Use Ordinances

Motion to approve all language and modifications for use in Member Village’s Sewer Use Ordinances

Ashley Staat, GWA’s Environmental Resources Coordinator provided an explanation for the motion in that acceptance is required in order for the USEPA to approve the document which will allow her to enforce the Pretreatment regulations, Local Limits and Enforcement Response Plans on various entities within the Villages who need to comply. This is also a requirement per GWA’s NPDES permit.

Mr. Streicher indicated that once approved by the EOC, each Village will need their respective Village Board’s to adopt the new documents; he stated that GWA would assist the Village of Glen Ellyn in incorporating the language into their sewer use ordinance, and the Village of Lombard already is moving forward with recommending adoption.

Mr. Goldsmith motioned and Trustee Ware seconded the motion to approve the updated Pretreatment Language, Definitions, Local Limits, and Enforcement Response Plans for use in Member Agencies Sewer Use Ordinances as outlined. President McGinley, President Giagnorio, Trustee Christiansen, Trustee Ware, Mr. Franz, Mr. Niehaus and Mr. Hansen responded “Aye” during a roll vote.

8. Discussion

8.1 Facility Improvement Project Update

Mr. Romza indicated that while there has been progress, with a majority of the work related to submittals and discussions concerning punch list work on the disc filter portion of the project, the main progress is that the concrete pour plan has been approved by the design engineer and the pouring of concrete will be on Friday, August 9th. Mr. Romza complimented Boller on having everything in place and ready to go immediately upon approval by Black & Veatch. Mr. Romza advised that this phase will still take a few months as the pours must take place in stages to allow for each level to cure before the next pour can begin.

Mr. Romza added that an updated schedule was also received from Boller that reflects a completion date of July 2020 which is still 7 to 8 months behind schedule. Mr. Streicher reminded the EOC that per the contract \$2,000 in liquidated damages can be assessed per day for every day the Contractor is behind schedule regardless of whether or not GWA sustains

any type of damages or not. Mr. Streicher indicated that the revised contract had a substantial completion date of October 19, 2019; therefore, damages could be in the ball park of \$580,000.

Mr. Goldsmith asked if that is enough to cover the dewatering costs. Mr. Romza advised that the dewatering costs through the month of June had been submitted and included details, it was up to \$500,000, granted there are some calculations that will reduce GWA's share of the costs. Staff has also advised Boller that they will not be paying for the dewatering costs associated with the delay in the concrete pour submittal being approved, as these delays were a result of Boller's failure to submit an acceptable pour plan. Boller has not yet contested this either. Mr. Franz asked at what point dewatering costs will not be a factor. Mr. Romza indicated that once Boller can start backfilling, the dewatering will not longer be necessary. Mr. Romza stated that the rental on the pumps is \$18,000/month and that GWA had a conversation with Boller indicating that these should be for at this point; therefore, they should no longer be charging rental rates, and they need to discuss the matter with United Rentals. Mr. Romza advised that Boller claims they did speak with United but there has not be any further discussion on the matter. Mr. Romza added that another expense is electric as the size of the six (6) pumps require a lot of power to keep them running non-stop.

President McGinley asked how often GWA rents from United Rental. Mr. Streicher indicated not often. President McGinley added that if United Rental is not cooperative in considering the pumps paid for, to let her know and the Villages will get involved.

Mr. Niehaus asked Mr. Streicher if he was satisfied with the current communications between Black & Veatch and Boller. Mr. Streicher advised that for the last month and a half, he is and applauds the efforts of both to try and find a resolution to the problem.

Mr. Romza brought up the fact that Black & Veatch has been working without a contract and they have reached out to discuss re-opening a contract as they claim to be \$85,000 in the hole since their original agreement expired. Mr. Romza indicated that a scope of work was received from them back in November, however they have yet to submit any costs for additional oversight on the project. Mr. Streicher indicated that the reason they have not indicated any fees to date are that the project completion date was not firm, therefore, they could not calculate a fee schedule. Mr. Streicher added that they will be looking to get paid for these outstanding fees as part of any new agreement and recommended that any fee schedule they present not include any potential delays on Boller's part, because after the substantial completion date if there are

any further delays, costs will be associated with damages and may be easier to go after Boller for.

Mr. Hansen inquired about costs for additional construction oversight by Black & Veatch. Mr. Streicher indicated that he had invited them to the next TAC meeting to discuss this, as Black & Veatch believes Boller may need a higher level of oversight than what GWA staff is able to provide in-house to help them stay on track. Mr. Franz asked if it was typical for Black & Veatch to act as chief negotiator in the event of any ongoing disputes. Mr. Streicher indicated that it will be an element discussed with them. Mr. Hansen asked if the number of hours of oversight will be higher than typical. Mr. Streicher indicated he would have to wait and see if Black & Veatch offers multiple scenarios for level of service.

Mr. Niehaus asked if Boller was aware that they are under the gun to perform or have their bond pulled. Mr. Romza indicated that they were aware of the situation.

Trustee Christiansen asked if it would be a good idea to incorporate some milestones for Boller to meet. Mr. Streicher indicated that it is worth considering since it is being done on some other projects.

Mr. Romza mentioned the hypo pumps will result in a change order as a request for a price to upsize the pumps to make the system work properly has been made. Mr. Streicher advised that GWA will be purchasing the pumps on their own and will be asking the TAC to waive competitive bidding as the vendor will be taking in the smaller pumps in trade to help offset the costs of the larger pumps.

8.2 CY2020 Budget

Mr. Streicher presented several different options for the CY2020 budget for discussion.

Mr. Streicher indicated that he recommends a three percent (3%) increase which would include financing two future projects and pursuing a future odor control project. Mr. Franz indicated that while further conversations need to take place for future years, the CY2020 budget should include the recommended three percent (3%) increase. Mr. Streicher confirmed he will finalize the CY2020 budget to include the recommended increase, and loan expenses for two (2) future projects for presentation to the EOC at the next meeting.

Mr. Niehaus indicated that there had been discussions between the two Villages about future increases and how to best communicate sewer rate

increases to the residents of both villages and believes that by showing the residents their costs for treatment compared to other communities they can have a better understanding of the fact that while the costs are going up, their costs may not be that out of line in comparison to surrounding communities; additionally, the comparison will be a plus to have on hand for the Full Board so they can see as well. Mr. Niehaus indicated that he would like to see a five to seven (5 to 7) year average of past capital increases as he believes the EOC has been tight in only going with a one percent (1%) for the past several years and believes that when compared to the surrounding sanitary districts, GWA will be again be lower, and that by trying to include a three percent (3%) for the next few years will be seen as playing catch up rather than building a reserve. Mr. Streicher indicated that at the last EOC meeting he had provided a summary of the past capital contribution increases from GWA, as well as capital budget amounts from several other local facilities, which were about 8%-10% increases annually. Mr. Niehaus added that the Village of Lombard would be happy to provide assistance from their communications department to the Village of Glen Ellyn so a uniform message could be distributed to the residents of both Villages. Mr. Franz indicated that a deeper look into some of the revenue streams also needs to be done to help determine contributions after 2020.

Mr. Goldsmith asked when the new facility plan would be completed. Mr. Streicher indicated that it is complete and was presented and accepted at a previous meeting. Mr. Goldsmith asked if the plan included the odor management plans. Mr. Streicher indicated that it did and he included one project from the plan into the CY2020 capital budget plan in order to help keep the budget more reasonable. Mr. Streicher stated that the odor control project he included in the budget is one that is a more traditional option and has been done by other local agencies and noted that Fox River Water Reclamation undertook a multi-million-dollar project all because of a single neighbor who persistently complained. Mr. Goldsmith noted that Fox River also has larger annual capital revenue.

President McGinley indicated that she would like to review the weather patterns because the reports she's asked for include weather patterns and these patterns show that there has been a shift, and a case can be made off doing any type of odor control if the elements have changed, and she feels it is the duty of GWA and the Villages to respond to elements that have changed permanently that are out of our control; so, rather than rest on the complaints of a resident, we need to take a look at what the elements are and respond that. President McGinley added that one of the reports she saw indicated that thirteen (13) of the last fifteen (15) weather elements occurred in the last two (2) years; so, if that element is going to stay consistent, then that is the element we should be responding. Mr.

Streicher indicated that the report she is referring to reflected flow more than it did weather and the one factor that has led to the reduction of flow is a result of the reduction of inflow and infiltration by both the Villages and Illinois American Water, and even new processes at GWA.

Mr. Goldsmith asked if the odor control project should be removed from the budget so it does not give a false sense to any resident who may look at it. Mr. Streicher indicated he would like to leave it in the budget as a way of showing that GWA is taking some sort of steps to do something. Trustee Christiansen asked if it was a matter of perception that the item in the budget meant something to control the problem was imminent. Mr. Goldsmith added that the question still remains that those in the immediate area are reaping the benefit of lower purchase price of their homes due to their proximity to the plant, and that Village of Lombard looks at it from the perspective that the benefiting properties from the odor control program should have to pay in some form, whether through a special service area or some other form that recoups some of that cost, since those living on the far northwest side of Glen Ellyn and most Lombard residents would not benefit from any type of odor control program; therefore, Lombard would seek an equitable way to assign those costs. President Giagnorio expressed his concerns that even after any odor projects are completed there will still be complaints purely due to the nature of the process. Mr. Niehaus noted that it is a subjective problem because an engineer will say they can design a facility that will result in zero odors all the while knowing that there are no guarantees there will never be any odors.

Mr. Hansen asked how many projects were recommended and which one was being considered in the budget. Mr. Streicher indicated that project he thinks would work best is to cover the primary tanks where the water overflows and creates the odors and then draw air out that area and put it through a biological treatment system as well as the draw the air out of the gravity thickener, which is a covered tank at the present time and where all the sludge concentrates and thickens and is closest to the residents. Mr. Streicher indicated he had advised Mr. Hansen that this tank currently has a fan on it and that a deodorizing system will be added to it at a cost of \$4,500 in an effort to help mitigate odors from this source. Mr. Streicher did indicate that while the recommended project calls for a biological process, there are similar, less expensive options that could be considered as this the system would only be used two (2) to three (3) months each year.

President McGinley indicated that she feels the GWA is going down the right path but further due diligence needs to be undertaken in the coming year.

Mr. Niehaus asked if Mr. Streicher was seeking input on whether or not to leave the line item in the budget. Mr. Streicher confirmed that he would like some direction on the matter, considering that in the CY2019 capital plan Mr. Goldsmith had recommended a dollar amount with "odor control" listed next to it, so the same thing can be carried over for CY2020; which would give him the ability to show the residents that there is something in the works to address the issue without providing project specific details.

Mr. Streicher noted that the budget also saw a reduction in insurance costs based on information provided by Christina Coyle. At this time, based on the 3% capital contribution, there will be a 5.5% increase for the Village of Lombard and a .5% increase for the Village of Glen Ellyn with the overall total being a 3.3% increase over the CY2019 budget.

Mr. Niehaus asked what the increase allocation for salaries was. Mr. Streicher advised a 2.75%.

Mr. Franz asked when the first draft will be presented to the EOC. Mr. Streicher indicated in September, with approval in October and then the Full Board approval in November at the annual meeting to be hosted by the Village of Glen Ellyn.

Mr. Streicher referred to his Director's report that during the month of June GWA received five (5) odor complaints with four (4) being from the same person. Mr. Streicher indicated that in the first full week of August that he received five (5) calls on Friday, August 2nd alone from a different group of residents who have threatened to get the media involved again, Mr. Streicher believes the larger volume of calls were again due to the low flows and cooler air temps. President McGinley indicated in the past when she has spoken with Mr. Streicher about complaints, that the wind had shifted, directing the odors in a different direction and asked if this variable is tracked. Mr. Streicher indicated that it is on weather station on the web site since the feature was added in 2017, and is tracked with the complaints that are logged. Mr. Franz noted the lack of rain. Mr. Streicher stated that overnight flows are as low as 4mgd with air temps in the 60's, but warmer water temps produce more hydrogen sulfides, and the wind out of the northeast puts the residents on Buckingham in the direct path of the odors. Mr. Franz asked if it would be a positive measure to send out a blurb to residents explaining the factors that contribute to the odors. Mr. Streicher advised that an email blast had been sent to the neighbors; however, there are only 115 names on the blast list and that after speaking with residents who are not on the email blast, copies will be mailed to the same list as those we sent the open house invitation to.

President McGinley asked if the residents in the East typically received odors and if the odors are being masked by the deodorizers. Mr. Streicher indicated that the residents to the east are not subjected to the odors due to the fact that there is the open space of the ComEd easement that allows for the odors to dissipate before reaching the homes, unlike the neighbors directly on the border of the GWA's fence lines.

Trustee Christiansen asked if there some sort of notice that we can add to the web site that alerts the neighbors of the potential for odors. Mr. Streicher indicated that the neighbors will argue that the odors are connected to the intake of FOG and often state that the odors have not existed in previous years, and explains to them that he has lived and went to school in the area and always remembers odors from this facility.

Mr. Goldsmith asked if there was some sort of tracking mechanism that tracks odor complaints versus the rain fall and plant flow. Mr. Streicher indicated that a report tracking those specific details had been created. Mr. Goldsmith added that he is guessing that back in May and June when there was rainfall, there were no odor complaints but now that the flow has diminished the odors are back and feels that a chart of graph on the web site showing the last eighteen months might help.

Mr. Streicher indicated that things are moving forward with the purchase of the property at 1S641 Bemis Road, with Greg Dose working on a purchase agreement. Mr. Streicher indicated that one element not originally discussed with the EOC was lawn maintenance, and that the seller has requested as part of the agreement that GWA take over the lawn care, except for a fenced area for his dog. Mr. Streicher stated that if GWA had taken immediate possession of the property after a closing, the expense would have been ours from the beginning and taking on the burden of this expense, approximately \$1,500 for the year is not a deal breaker in his mind and the was included in the CY2020 budget.

9. Other Business
 - 9.1 Technical Advisory Committee Updates
 - 9.2 Pending Agenda Items
 - 9.3 September and October 2019 EOC Meeting

Mr. Streicher indicated that he and Mr. Romza will be attending an IAWA meeting the same date as the September meeting and then he is scheduled for vacation at the time of the October meeting but feels Mr. Romza will be able to run the meeting. Mr. Niehaus asked if there was any reason to hold a September meeting. Mr. Streicher indicated that other than to present the draft budget for review at this time he does not know of any

other agenda items. Mr. Niehaus asked if there was a way to combine the September and October meeting. Mr. Streicher indicated that as long as the EOC does not object to seeing a draft CY2020 budget and approving it at the same meeting. Mr. Franz stated that with all of the discussions and input on the budget thus far, there would not be any reservations for the presentation and approval to take place at the same time.

President McGinley recommended some dates at the end of September beginning of October. Mr. Niehaus suggested Wednesday, October 2nd as it seemed to be the best option.

10. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for Thursday, September 12, 2019 at 8:00 a.m. The September EOC meeting will still be held ***in the Conference Room at the Glenbard Wastewater Authority, 945 Bemis Road, Glen Ellyn, IL 60137.***

Mr. Niehaus moved to adjourn the August 8, 2019 EOC Meeting and Trustee Ware seconded the MOTION. President McGinley, President Giagnorio, Trustee Christiansen, Trustee Ware, Mr. Franz, Mr. Niehaus, Mr. Hansen and Mr. Goldsmith, responded “Aye” during a roll vote. The motion carried. The meeting adjourned at 8:58 a.m.

Submitted by:

Gayle A. Lendabarker
GWA Administrative Secretary

SECTION 5.2

VOUCHERS

AUGUST 2019

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

EXPENDITURES:		
	Check Date	Paid Amount
Accounts Payable Warrant - 0819-1	8/16/2019	\$52,755.87
Accounts Payable Warrant - 0819-2	8/29/2019	\$899,275.37
		<u><u>\$952,031.24</u></u>
	Warrant Total	<u><u>\$952,031.24</u></u>

PAYROLL EXPENDITURES:			
	August 16, 2019	August 30, 2019	September 13, 2019
Net Employee Payroll Checks	<u><u>\$ 37,462.06</u></u>	<u><u>\$ 37,650.35</u></u>	<u><u>\$ 37,847.74</u></u>

<u>Employee & Employer Payroll Deductions:</u>			
Employee Deductions*			
IMRF - Employer contribution	\$18,768.24	\$ 18,719.85	\$18,726.73
Social Security/Medicare Tax Withheld - Employer portion	\$3,692.20	\$ 3,687.72	\$3,720.98
	\$4,118.87	\$ 4,123.82	\$4,120.30
Total Payroll	<u><u>\$ 64,041.37</u></u>	<u><u>\$ 64,181.74</u></u>	<u><u>\$ 64,415.75</u></u>
			<u><u>\$ 192,638.86</u></u>
		GRAND TOTAL	<u><u>\$ 1,144,670.10</u></u>

PAID WARRANT REPORT

WARRANT: 0819-1

TO FISCAL 2019/08 08/01/2019 TO 08/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
881 AIRGAS, INC 20843 INVOICE: 9500547925 20844 INVOICE: 9500547925 20845 INVOICE: 9500547925 20846 INVOICE: 9500547925	08/03/19 08/03/19 08/03/19 08/03/19			958424 958424 958424 958424	P P P P	08/16/19 08/16/19 08/16/19 08/16/19	270 270 40 270	LIQUID OXYGEN MAINTENANCE-ELECTRONICS CRYO VAPORIZOR RENTALS LIQUID OXYGEN	3,155.64 66.25 1,500.00 6,968.29
VENDOR TOTALS				228,535.94	YTD INVOICED		25,242.13	YTD PAID	11,690.18
1246 FOX MARKETING GROUP 20847 INVOICE: 30914	08/07/19			958425	P	08/16/19	270	OFFICE EXPENSES	163.88
VENDOR TOTALS				600.12	YTD INVOICED		163.88	YTD PAID	163.88
1249 AQUAFIX, INC. 20849 INVOICE: 28812	08/08/19			958426	P	08/16/19	270	CHEMICALS	835.55
VENDOR TOTALS				1,670.15	YTD INVOICED		835.55	YTD PAID	835.55
776 ASHTON PUMPWAT INC. 20848 INVOICE: 25452	07/30/19			958427	P	08/16/19	270	OPERATING SUPPLIES - LAB	796.05
VENDOR TOTALS				796.05	YTD INVOICED		796.05	YTD PAID	796.05
942 POWER UP BATTERIES LLC 20850 INVOICE: P17179632	07/31/19			958428	P	08/16/19	270	MAINTENANCE-ELECTRONICS	439.80
VENDOR TOTALS				4,238.90	YTD INVOICED		439.80	YTD PAID	439.80
33 CALCO, LTD. 20851 INVOICE: AD48697	08/05/19			958429	P	08/16/19	270	CHEMICALS	169.00
VENDOR TOTALS				624.00	YTD INVOICED		169.00	YTD PAID	169.00
819 UNITED COMMUNICATIONS 20852 INVOICE: 20852	08/15/19			958430	P	08/16/19	270	TELECOMMUNICATIONS	915.01
VENDOR TOTALS				8,629.06	YTD INVOICED		915.01	YTD PAID	915.01
1160 CHICAGO METROPOLITAN FIRE PREVENTION CO. 20853 INVOICE: IN00312623	07/24/19			958431	P	08/16/19	270	ELECTRONICS CONTRACTUAL	337.50

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	F	CHEQ DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
VENDOR TOTALS								
		2,576.50	YTD INVOICED				337.50	YTD PAID
47 CINTAS CORPORATION #769								
20907	08/13/19			958432	P	08/16/19	270	
INVOICE: 40278/1863							520976	MAINTENANCE-CONTRACTUAL
VENDOR TOTALS								
		1,447.68	YTD INVOICED				169.90	YTD PAID
768 CINTAS FIRST AID & SAFETY								
20854	08/02/19			958433	P	08/16/19	270	
INVOICE: 8404250317							530225	SAFETY RELATED EQUIPMNT/S
VENDOR TOTALS								
		1,958.88	YTD INVOICED				271.68	YTD PAID
1218 COLLEY ELEVATOR CO.								
20855	08/01/19			958434	P	08/16/19	270	
INVOICE: 186988							520971	BUILDING & GROUNDS CONTRA
VENDOR TOTALS								
		1,755.00	YTD INVOICED				198.00	YTD PAID
490 COMCAST CABLE COMMUNICATIONS, LLC								
20856	07/25/19			958435	P	08/16/19	270	
INVOICE: 20856							521195	TELECOMMUNICATIONS
VENDOR TOTALS								
		1,636.67	YTD INVOICED				204.59	YTD PAID
1120 COMMUNICATIONS DIRECT INC.								
20857	08/02/19			958436	P	08/16/19	270	
INVOICE: IN153410							520980	MAINTENANCE-ELECTRONICS
VENDOR TOTALS								
		844.02	YTD INVOICED				844.02	YTD PAID
1194 THE CONSERVATION FOUNDATION								
20858	07/16/19			958437	P	08/16/19	270	
INVOICE: 20858							520600	DUES-SUBSCRIPTIONS-REG FE
VENDOR TOTALS								
		250.00	YTD INVOICED				250.00	YTD PAID
1138 CONSTELLATION ENERGY SERVICES INC								
20859	08/09/19			958438	P	08/16/19	270	
INVOICE: 2670018							521202	NATURAL GAS
20859	08/09/19			958438	P	08/16/19	270-1	
INVOICE: 2670018							521202	NATURAL GAS
20859	08/09/19			958438	P	08/16/19	270	
INVOICE: 2670018							521204	SELF-GEN GAS
VENDOR TOTALS								
		42,661.54	YTD INVOICED				772.55	YTD PAID
62 PADDOCK PUBLICATIONS, INC								
20860	07/27/19			958439	P	08/16/19	270	
							520750	LEGAL NOTICES

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VENDOR NAME	DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	CL	ACCOUNT	DESCRIPTION
INVOICE: 23261										
VENDOR TOTALS			460.00	YTD INVOICED			220.80	YTD PAID		133.40
74 DREISILKER ELECTRIC MOTORS INC	20908	08/07/19			958440	P	08/16/19	270-2	520980	MAINTENANCE-ELECTRONICS
INVOICE: 1130090										467.50
VENDOR TOTALS			1,725.20	YTD INVOICED			467.50	YTD PAID		467.50
293 VILLAGE OF GLEN ELLYN	20904	08/01/19			958441	P	08/16/19	270	521203	WATER
INVOICE: 20904										49.11
20905	20905	07/31/19			958441	P	08/16/19	270	521203	WATER
INVOICE: 20905										2,903.53
VENDOR TOTALS			126,634.15	YTD INVOICED			16,988.14	YTD PAID		2,952.64
297 W.W. GRAINGER, INC.	20862	07/30/19			958442	P	08/16/19	270	520980	MAINTENANCE-ELECTRONICS
INVOICE: 9248254618										58.80
20863	20863	08/07/19			958442	P	08/16/19	270	520980	MAINTENANCE-ELECTRONICS
INVOICE: 9255696107										507.51
VENDOR TOTALS			9,693.50	YTD INVOICED			1,488.78	YTD PAID		566.31
743 GROOT, INC	20864	08/01/19			958443	P	08/16/19	270	520991	OPERATIONS - CONTRACTUAL
INVOICE: 3732266										247.38
VENDOR TOTALS			2,808.84	YTD INVOICED			247.38	YTD PAID		247.38
499 HILTI, INC	20865	08/12/19			958444	P	08/16/19	270	520975	MAINTENANCE-EQUIPMENT
INVOICE: 4614274362										132.71
20866	20866	08/12/19			958444	P	08/16/19	270	520975	MAINTENANCE-EQUIPMENT
INVOICE: 4614274360										99.14
VENDOR TOTALS			1,038.83	YTD INVOICED			231.85	YTD PAID		231.85
985 HOLSTEINS GARAGE	20867	07/31/19			958445	P	08/16/19	270	520976	MAINTENANCE-CONTRACTUAL
INVOICE: 965										35.00
VENDOR TOTALS			367.00	YTD INVOICED			35.00	YTD PAID		35.00
124 HOME DEPOT USA, INC	20868	08/05/19			958446	P	08/16/19	270	520975	MAINTENANCE-EQUIPMENT
INVOICE: 6030467										9.94
20869	20869	08/01/19			958446	P	08/16/19	270	520975	MAINTENANCE-EQUIPMENT
INVOICE: 30296										9.97

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VENDOR NAME	INVOICE DATE	VOUCHER #	PO	CHECK NO.	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
20871	07/24/19			958446	P	08/16/19	270	520990	OPERATIONS - SUPPLIES
INVOICE: 8522739									8.01
20872	07/31/19			958446	P	08/16/19	270-1	520970	MAINTENANCE-BUILDING & GR
INVOICE: 1212781									-15.00
20873	08/01/19			958446	P	08/16/19	270-1	520970	MAINTENANCE-BUILDING & GR
INVOICE: 192211									-38.50
20874	07/31/19			958446	P	08/16/19	270-1	520970	MAINTENANCE-BUILDING & GR
INVOICE: 1973628									55.00
20875	07/31/19			958446	P	08/16/19	270-1	520970	MAINTENANCE-BUILDING & GR
INVOICE: 1340493									97.50
VENDOR TOTALS				3,355.45	YTD	INVOICED		126.92	YTD PAID
									126.92
1255 HOMESTEAD ELECTRICAL CONTRACTING, LLC									
20876	08/08/19			958447	P	08/16/19	270	520981	ELECTRONICS CONTRACTUAL
INVOICE: 13083									2,079.00
VENDOR TOTALS				2,079.00	YTD	INVOICED		2,079.00	YTD PAID
									2,079.00
185 KONICA MINOLTA BUSINESS SOLUTIONS INC									
20877	07/25/19			958448	P	08/16/19	270	530100	OFFICE EXPENSES
INVOICE: 9005909326									99.27
VENDOR TOTALS				660.99	YTD	INVOICED		99.27	YTD PAID
									99.27
1264 LAWSON PRODUCTS INC									
20879	08/01/19			958449	P	08/16/19	270	520975	MAINTENANCE-EQUIPMENT
INVOICE: 9306913616									98.50
VENDOR TOTALS				1,388.32	YTD	INVOICED		416.12	YTD PAID
									98.50
157 LEN'S ACE HARDWARE, INC.									
20880	05/06/19			958450	P	08/16/19	270	520970	MAINTENANCE-BUILDING & GR
INVOICE: 89331-3									8.11
20881	06/26/19			958450	P	08/16/19	270	520990	OPERATIONS - SUPPLIES
INVOICE: 90820-3									25.59
VENDOR TOTALS				1,370.60	YTD	INVOICED		287.87	YTD PAID
									33.70
1149 LINKO TECHNOLOGY INC									
20882	12/17/18			958451	P	08/16/19	270	520981	ELECTRONICS CONTRACTUAL
INVOICE: 5651									6,430.00
VENDOR TOTALS				6,430.00	YTD	INVOICED		6,430.00	YTD PAID
									6,430.00
676 MC CANN INDUSTRIES, INC.									
20883	07/30/19			958452	P	08/16/19	270	520970	MAINTENANCE-BUILDING & GR
INVOICE: P09668									51.50
VENDOR TOTALS				1,376.05	YTD	INVOICED		1,376.05	YTD PAID
									51.50

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VENDOR NAME	INVOICE DATE	WARRANT NO.	DATE	CL	ACCOUNT	GL ACCOUNT DESCRIPTION
171 MCMASTER-CARR SUPPLY CO.						
20884	07/23/19	958453	P	08/16/19	270	520975 MAINTENANCE-EQUIPMENT
INVOICE: 11040336						917.86
20885	07/25/19	958453	P	08/16/19	270	520975 MAINTENANCE-EQUIPMENT
INVOICE: 11343726						247.46
20886	08/01/19	958453	P	08/16/19	270	520975 MAINTENANCE-EQUIPMENT
INVOICE: 12005711						12.96
20887	08/01/19	958453	P	08/16/19	270	520975 MAINTENANCE-EQUIPMENT
INVOICE: 12014404						9.33
VENDOR TOTALS		6,008.71	YTD INVOICED			1,855.54 YTD PAID
						1,187.61
1223 CAPITAL ONE NATIONAL ASSN						
20888	07/30/19	958454	P	08/16/19	270	520970 MAINTENANCE-BUILDING & GR
INVOICE: 317521119124477						97.96
VENDOR TOTALS		1,689.63	YTD INVOICED			1,087.06 YTD PAID
						97.96
178 MICHAEL'S UNIFORM COMPANY, INC.						
20889	07/31/19	958455	P	08/16/19	270	530445 UNIFORMS
INVOICE: 91364						96.38
VENDOR TOTALS		3,348.21	YTD INVOICED			96.38 YTD PAID
						96.38
412 NESTLE WATERS NORTH AMERICA						
20890	08/06/19	958456	P	08/16/19	270	530100 OFFICE EXPENSES
INVOICE: 29H8100616302						136.82
VENDOR TOTALS		968.68	YTD INVOICED			136.82 YTD PAID
						136.82
1070 REVERE ELECTRIC SUPPLY						
20891	07/31/19	958457	P	08/16/19	270	520980 MAINTENANCE-ELECTRONICS
INVOICE: S3922958.001						149.22
VENDOR TOTALS		851.71	YTD INVOICED			149.22 YTD PAID
						149.22
939 STAPLES CONTRACT & COMMERCIAL INC.						
20892	08/01/19	958458	P	08/16/19	270	530100 OFFICE EXPENSES
INVOICE: 3421373272						25.98
20893	08/06/19	958458	P	08/16/19	270	530100 OFFICE EXPENSES
INVOICE: 3421934851						2.50
20894	08/06/19	958458	P	08/16/19	270	530100 OFFICE EXPENSES
INVOICE: 3421934850						-16.49
VENDOR TOTALS		2,699.76	YTD INVOICED			279.65 YTD PAID
						11.99
738 SUBURBAN LABORATORIES, INC.						
20895	07/31/19	958459	P	08/16/19	270	520806 PROFESSIONAL SERVICES-LAB
INVOICE: 167779						1,085.00
20896	08/05/19	958459	P	08/16/19	270	520806 PROFESSIONAL SERVICES-LAB
INVOICE: 167994						390.00

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VENDOR NAME DOCUMENT	INVOICE DATE	VOUCHER NO	CHECK NO	T	CHK	DATE	GL ACCOUNT	DESCRIPTION
20897 INVOICE: 167995	08/05/19		958459	P	08/16/19	270	520806	PROFESSIONAL SERVICES-LAB
VENDOR TOTALS		20,941.50	YTD INVOICED				2,950.00	YTD PAID
1271 SYNAGRO-WWT 20898 INVOICE: 8684	07/31/19		958460	P	08/16/19	270	521150	SLUDGE DISPOSAL - LAND
VENDOR TOTALS		121,296.00	YTD INVOICED				13,832.00	YTD PAID
271 TERRACE SUPPLY COMPANY 20899 INVOICE: 1002373	07/31/19		958461	P	08/16/19	270	520976	MAINTENANCE-CONTRACTUAL
VENDOR TOTALS		916.94	YTD INVOICED				51.46	YTD PAID
1240 TWIN OAKS LANDSCAPING, INC 20900 INVOICE: MR980801-0005	08/01/19		958462	P	08/16/19	270	520971	BUILDING & GROUNDS CONTRA
20900 INVOICE: MR980801-0005	08/01/19		958462	P	08/16/19	270-1	520970	MAINTENANCE-BUILDING & GR
VENDOR TOTALS		17,425.00	YTD INVOICED				3,485.00	YTD PAID
477 UNITED PARCEL SERVICE, INC 20901 INVOICE: 9VFI03309	07/27/19		958463	P	08/16/19	270	530100	OFFICE EXPENSES
VENDOR TOTALS		108.73	YTD INVOICED				10.14	YTD PAID
988 VERIZON WIRELESS SERVICES LLC 20903 INVOICE: 9835219182	08/01/19		958464	P	08/16/19	270	521195	TELECOMMUNICATIONS
VENDOR TOTALS		6,664.52	YTD INVOICED				673.62	YTD PAID
309 WILKENS-ANDERSON CO. 20906 INVOICE: S1185618.001	08/05/19		958465	P	08/16/19	270	530106	OPERATING SUPPLIES - LAB
VENDOR TOTALS		536.70	YTD INVOICED				127.47	YTD PAID
REPORT TOTALS								52,755.87
TOTAL PRINTED CHECKS								COUNT
								42
								AMOUNT
								52,755.87

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VENDOR NAME	INVOICE DATE	VOUCHER #	CHK	DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	
881 AIRGAS, INC	08/17/19						
20909	INVOICE: 9500548332						
20910	08/07/19	958466	P	08/30/19	270	LIQUID OXYGEN	7,244.46
20911	INVOICE: 9092121047						
20911	08/24/19	958466	P	08/30/19	270	SAFETY RELATED EQUIPMNT/S	265.15
	INVOICE: 9500548537						
	08/24/19	958466	P	08/30/19	270	LIQUID OXYGEN	6,042.34
VENDOR TOTALS		228,535.94	YTD INVOICED				
					25,242.13	YTD PAID	13,551.95
1221 BOLLER CONSTRUCTION CO, INC							
20964	06/30/19	2596	W	08/29/19	40		
	INVOICE: PAYMENT 21	20170007					
					580180	14007 FACILITY IMPROVEMENT PROJ	772,223.00
VENDOR TOTALS		2,660,277.00	YTD INVOICED				
					772,223.00	YTD PAID	772,223.00
656 JON BRAGA	08/08/19						
20975	INVOICE: ER082919						
		958467	P	08/30/19	270	EMPLOYEE EDUCATION	60.00
VENDOR TOTALS		60.00	YTD INVOICED				
					60.00	YTD PAID	60.00
37 CDW GOVERNMENT, INC.							
20912	08/19/19						
	INVOICE: TNH0670						
		958468	P	08/30/19	270	MAINTENANCE-ELECTRONICS	85.78
VENDOR TOTALS		769.10	YTD INVOICED				
					85.78	YTD PAID	85.78
1268 JP MORGAN CHASE NA							
1906913	08/05/19						
	INVOICE: BRAJ-20						
		2579	W	08/29/19	270	MAINTENANCE-BUILDING & GR	65.93
1946512	08/05/19						
	INVOICE: LENG-60						
		2584	W	08/29/19	270	OFFICE EXPENSES	73.95
1946610	08/05/19						
	INVOICE: FRER-20						
		2582	W	08/29/19	270	ELECTRONICS CONTRACTUAL	204.00
194678	08/05/19						
	INVOICE: STRM-21						
		2594	W	08/29/19	270	EMPLOYEE EDUCATION	10.00
194683	08/05/19						
	INVOICE: GOOD-6						
		2583	W	08/29/19	270-1	MAINTENANCE-BUILDING & GR	766.80
206552	08/05/19						
	INVOICE: ROMT-4						
		2593	W	08/29/19	270	EMPLOYEE EDUCATION	480.00
20965	08/05/19						
	INVOICE: BRAJ-21						
		2580	W	08/29/19	270	MAINTENANCE-EQUIPMENT	525.00
20966	08/05/19						
	INVOICE: BRAJ-22						
		2581	W	08/29/19	270	MAINTENANCE-EQUIPMENT	419.97
20967	08/05/19						
	INVOICE: LENG-61						
		2585	W	08/29/19	270	OFFICE EXPENSES	24.12
20968	08/05/19						
	INVOICE: LENG-62						
		2586	W	08/29/19	40	SMALL CAPITAL PROJECTS	381.50
20969	08/05/19						
	INVOICE: LENG-63						
		2587	W	08/29/19	270	SAFETY RELATED EQUIPMNT/S	81.85

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VENDOR NAME DOCUMENT	INV DATE	VOUCHER NO	CHECK NO	T	CHK DATE	GL ACCOUNT	DESCRIPTION	
20970 INVOICE: LENG-64	08/05/19							
20971 INVOICE: LENG-65	08/05/19							
20972 INVOICE: LENG-66	08/05/19							
20973 INVOICE: LENG-67	08/05/19							
20974 INVOICE: LENG-68	08/05/19							
VENDOR TOTALS						23,139.95	YTD INVOICED	
768 CINTAS FIRST AID & SAFETY								
20913 INVOICE: 8404273876	08/23/19							
VENDOR TOTALS						1,958.88	YTD INVOICED	
1307 CONSERV FS INC								
20914 INVOICE: 65081578	08/15/19							
VENDOR TOTALS						4,810.50	YTD INVOICED	
62 PADDOCK PUBLICATIONS, INC								
20915 INVOICE: 24754	08/10/19							
VENDOR TOTALS						460.00	YTD INVOICED	
994 DIRECT ENERGY MARKETING, INC.								
20916 INVOICE: 192270039342927	08/15/19							
20916 INVOICE: 192270039342927	08/15/19							
20916 INVOICE: 192270039342927	08/15/19							
20916 INVOICE: 192270039342927	08/15/19							
VENDOR TOTALS						411,015.80	YTD INVOICED	
78 DUPAGE SECURITY SOLUTIONS, INC.								
20917 INVOICE: 50921	08/21/19							
VENDOR TOTALS						72.95	YTD INVOICED	
1250 FREDRIKSEN FIRE EQUIPMENT COMPANY								
20918 INVOICE: 50921	08/14/19							
VENDOR TOTALS						72.95	YTD INVOICED	
20970 OFFICE EXPENSES	08/29/19	2588	W			530100		81.94
20971 EMPLOYEE EDUCATION	08/29/19	2589	W			520620		210.00
20972 TELECOMMUNICATIONS	08/29/19	2590	W			521195		87.16
20973 EMPLOYEE EDUCATION	08/29/19	2591	W			520620		43.55
20974 EMPLOYEE EDUCATION	08/29/19	2592	W			520620		-272.60
VENDOR TOTALS						3,183.17	YTD PAID	3,183.17
768 CINTAS FIRST AID & SAFETY								
20913 INVOICE: 8404273876	08/23/19	958469	P			530225	SAFETY RELATED EQUIPMNT/S	137.06
VENDOR TOTALS						271.68	YTD PAID	137.06
1307 CONSERV FS INC								
20914 INVOICE: 65081578	08/15/19	958470	P			520975	MAINTENANCE-EQUIPMENT	3,897.30
VENDOR TOTALS						3,897.30	YTD PAID	3,897.30
62 PADDOCK PUBLICATIONS, INC								
20915 INVOICE: 24754	08/10/19	958471	P			520750	LEGAL NOTICES	87.40
VENDOR TOTALS						220.80	YTD PAID	87.40
994 DIRECT ENERGY MARKETING, INC.								
20916 INVOICE: 192270039342927	08/15/19	958472	P			521201	ELECTRIC POWER	36,493.97
20916 INVOICE: 192270039342927	08/15/19	958472	P			521201	ELECTRIC POWER	3,664.33
20916 INVOICE: 192270039342927	08/15/19	958472	P			521201	ELECTRIC POWER	1,518.16
20916 INVOICE: 192270039342927	08/15/19	958472	P			521201	ELECTRIC POWER	829.66
VENDOR TOTALS						42,506.12	YTD PAID	42,506.12
78 DUPAGE SECURITY SOLUTIONS, INC.								
20917 INVOICE: 50921	08/21/19	958473	P			520975	MAINTENANCE-EQUIPMENT	72.95
VENDOR TOTALS						72.95	YTD PAID	72.95
1250 FREDRIKSEN FIRE EQUIPMENT COMPANY								
20918 INVOICE: 50921	08/14/19	958474	P			520971	BUILDING & GROUNDS CONTRA	1,811.50

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INVOICE: 194342

Report generated: 09/20/2019 11:45
User: tthomas
Program ID: appdwarr

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VENDOR NAME	INV DATE	AMOUNT	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	DESCRIPTION
20929	08/12/19							
INVOICE: 386599								
VENDOR TOTALS		5,385.29	YTD INVOICED				945.00	YTD PAID
157 LEN'S ACE HARDWARE, INC.								
20930	08/01/19							
INVOICE: 91308-3							520990	OPERATIONS - SUPPLIES
20931	08/05/19						520990	OPERATIONS - SUPPLIES
INVOICE: 91334-3							520975	MAINTENANCE-EQUIPMENT
20932	08/07/19						520990	OPERATIONS - SUPPLIES
INVOICE: 91391-3							520990	OPERATIONS - SUPPLIES
20933	08/08/19						520990	OPERATIONS - SUPPLIES
INVOICE: 91395-3							520990	OPERATIONS - SUPPLIES
20934	08/09/19						520990	OPERATIONS - SUPPLIES
INVOICE: 91409-3							520990	OPERATIONS - SUPPLIES
20935	08/07/19						520990	OPERATIONS - SUPPLIES
INVOICE: 91386-3							520990	OPERATIONS - SUPPLIES
20936	08/13/19						520975	MAINTENANCE-EQUIPMENT
INVOICE: 91454-3							520990	OPERATIONS - SUPPLIES
20937	08/19/19						520990	OPERATIONS - SUPPLIES
INVOICE: 91549-3							520990	OPERATIONS - SUPPLIES
20938	08/21/19						520990	OPERATIONS - SUPPLIES
INVOICE: 91570-3								
VENDOR TOTALS		1,370.60	YTD INVOICED				287.87	YTD PAID
295 VILLAGE OF LOMBARD								
20959	08/19/19						521203	WATER
INVOICE: 20959							521203	WATER
20960	08/19/19						521203	WATER
INVOICE: 20960								
VENDOR TOTALS		2,519.20	YTD INVOICED				147.58	YTD PAID
676 MC CANN INDUSTRIES, INC.								
20939	08/06/19						520975	MAINTENANCE-EQUIPMENT
INVOICE: P10236							580150	PLANT EQUIPMENT REHABILIT
20940	08/19/19							
INVOICE: P11177								
VENDOR TOTALS		1,376.05	YTD INVOICED				1,376.05	YTD PAID
171 MCMASTER-CARR SUPPLY CO.								
20941	08/12/19						520975	MAINTENANCE-EQUIPMENT
INVOICE: 12894614							520975	MAINTENANCE-EQUIPMENT
20942	08/20/19							
INVOICE: 13666155								
VENDOR TOTALS		6,008.71	YTD INVOICED				1,855.54	YTD PAID

PAID WARRANT REPORT

WARRANT: 0819-2

TO FISCAL 2019/08 08/01/2019 TO 08/31/2019

VENDOR NAME DOCUMENT	INV DATE	VOUCHER	PO	CHECK NO	T	CHK DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION
1223 CAPITAL ONE NATIONAL ASSN 20943 INVOICE: 317521819090608	08/06/19						520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS	1,689.63	YTD INVOICED					1,087.06	YTD PAID
1201 MUNICIPAL BACKFLOW LLC 20945 INVOICE: 15780	08/20/19						520976	MAINTENANCE-CONTRACTUAL
VENDOR TOTALS	1,090.95	YTD INVOICED					1,090.95	YTD PAID
199 NEUCO, INC. 20946 INVOICE: 3851914	08/06/19						520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS	5,238.46	YTD INVOICED					473.98	YTD PAID
211 OMI INDUSTRIES 20947 INVOICE: 555802	08/20/19						520975	MAINTENANCE-EQUIPMENT
VENDOR TOTALS	4,944.84	YTD INVOICED					4,569.41	YTD PAID
952 PROGRAM ONE PROFESSIONAL BUILDING SERVICES INC. 20948 INVOICE: 126720	08/12/19						520971	BUILDING & GROUNDS CONTRA
VENDOR TOTALS	641.00	YTD INVOICED					221.00	YTD PAID
1226 RC CLEANING COMPANY 20950 INVOICE: 20950	08/15/19						520971	BUILDING & GROUNDS CONTRA
VENDOR TOTALS	8,160.00	YTD INVOICED					1,020.00	YTD PAID
1212 RJN GROUP, INC 20951 INVOICE: 305031	08/09/19						520981	ELECTRONICS CONTRACTUAL
VENDOR TOTALS	106,737.00	YTD INVOICED					10,149.00	YTD PAID
939 STAPLES CONTRACT & COMMERCIAL INC. 20952 INVOICE: 3422492795	08/09/19						530100	OFFICE EXPENSES
20953 INVOICE: 3422492796	08/15/19						530100	OFFICE EXPENSES
20954 INVOICE: 3422492797	08/15/19						530100	OFFICE EXPENSES

PAID WARRANT REPORT

WARRANT: 0819-2

TO FISCAL 2019/08 08/01/2019 TO 08/31/2019

VENDOR NAME	INVOICE DATE	VOUCHER ID	CHECK NO.	DATE	GL ACCOUNT	GL ACCOUNT DESCRIPTION	2019 YTD PAID	2019 YTD INVOICED
VENDOR TOTALS							279.65	2,699.76
464 STRAND ASSOCIATES, INC.	08/13/19	20955	958492	P 08/30/19	40	CAPITAL PROJECTS	580180	201800012
INVOICE: 151513								
20956	08/13/19	20180005	958492	P 08/30/19	40	ELECTRIC SVC DISTBIB SYS	580180	201800005
INVOICE: 151711								
VENDOR TOTALS							13,955.80	182,092.47
738 SUBURBAN LABORATORIES, INC.	08/19/19	20957	958493	P 08/30/19	270	PROFESSIONAL SERVICES-LAB	520806	958493
INVOICE: 168284								
20962	08/26/19	2022469	958493	P 08/30/19	270	PROFESSIONAL SERVICES-LAB	520806	958493
INVOICE: 168419								
VENDOR TOTALS							2,950.00	20,941.50
1282 TALLGRASS RESTORATION, LLC	08/19/19	20958	958494	P 08/30/19	270-3	MAINTENANCE-BUILDING & GR	520970	958494
INVOICE: 2022469								
VENDOR TOTALS							250.00	4,172.00
988 VERIZON WIRELESS SERVICES LLC	08/18/19	20961	958495	P 08/30/19	270	TELECOMMUNICATIONS	521195	958495
INVOICE: 9836341851								
VENDOR TOTALS							673.62	6,664.52
REPORT TOTALS							899,275.37	

COUNT	AMOUNT
30	89,833.70
18	789,441.67

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

SECTION 5.3
PURCHASE APPROVAL –
CHP GAS SCRUBBING
MEDIA

MEMORANDUM

TO: Matt Streicher, Executive Director
FROM: David Goodalis, Operations Superintendent
DATE: September 11, 2019
RE: Media for CHP



The Operations Department performed a cost comparison for current pricing on media for our Bio-fuel Gas engines. The other companies would only quote going through Unison.

Company	Cost for Media
Connelly-GPM	Would not quote
Unison Solutions	\$26,801.75
Marcab	Not Responding

As there is no specific date when the existing media will reach its useful life, GWA staff is performing in-house testing and monthly gas testing in an effort to better determine how much time we have before the Media expires. Since there is little expiration notice, I prefer to have the media onsite and available to keep the down time of the engines to a minimum. It is requested the rule of 3 be waived, per the purchasing policy section C.1.e., which states *"Single Source purchases, defined as material or services that are available from only one vendor but are deemed necessary to Village operations may be exempted from bidding requirements."*

The media is used to reduce H₂S and siloxanes which cause damage to the internal CHP engine parts which makes this an essential part of being able to keep the engines running.

In the 2019 GWA budget, staff allocated \$50,000 for the purchase of this media in budget category Plant Equipment Rehabilitation account 40-580150. This purchase is well below this budgeted amount.

SECTION 5.4

CONTRACT APPROVAL – SANDBLASTING AND COATING OF THICKENER BRIDGE - RETROACTIVE

MEMORANDUM

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

FROM: Jon Braga, Maintenance Superintendent

DATE: September 11, 2019

RE: **Sandblasting and Coating of Clarifier Walkway Bridge**



The existing gravity thickener at the Glenbard Wastewater Authority has not been repainted since being put in service many years ago, therefore, it was budgeted to sandblast and repaint elements of the catwalk structure that are above the water level. This project was originally budgeted in CY2016 but deferred for several years due to budgetary needs for other projects, and therefore is now overdue. All elements of the thickener were inspected by the maintenance department the summer of 2016 and determined to be structurally sound, and all elements under the water level were determined to not need painting. The scope for this project is to set up scaffolding, cover the drive unit, perform sandblasting of the existing catwalk structure and handrail, remove the sand from the covered tank and apply paint to existing catwalk structure and handrail. The sand will be allowed to be disposed on site in order to save costs.

Due to previous proposal costs exceeding \$20,000.00 a public bid packet was composed. The bid packet was published on August 6th. Sealed bidding concluded on September 3rd at 2pm with the bids publicly read. Results of the public bid showed four companies receiving/requesting information about the project and one submitting a bid.

G.P. Maintenance Services Inc. provided a bid for \$49,700.00. References and past projects were reviewed finding all to be satisfactory.

Based on qualifications and price, I recommend awarding the project to **G.P. Maintenance Services Inc.** for the amount of **\$49,700.00**. G.P. Maintenance Services Inc has performed satisfactory work for other neighboring wastewater facilities in the past and therefore is acceptable to Authority staff.

In this year's budget number 40-580150, \$40,000 is allocated towards "Clarifier Mechanism and Bridge Painting." Although \$9,700 over budget, sufficient funds remain in this line item. During the past month two capital projects have been completed in-house by the maintenance staff resulting in significant savings. First, the berm across the from the administration building was slated for a total project cost of \$7,000.00. To date the project has cost less than \$3,500.00 including labor for personnel. Although approximately \$1,500 of that savings was used towards another landscape project, \$2,000 in savings is still available. Second, the SRI lift station concrete coating project was estimated at \$50,000. Maintenance staff dauntlessly completed the project at a cost of less than \$2,500.00.

Please advise and thank you.

SECTION 6.0

BLACK & VEATCH CONSTRUCTION CONTRACT – AMENDMENT NO. 1 APPROVAL

MEMORANDUM

TO: Executive Oversight Committee

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

DATE: October 2, 2019

RE: Black & Veatch Construction Contract Amendment #1



In March 2016, just prior to the Facility Improvement Project being bid out, the EOC approved a construction oversight contract with the design engineer for the project, Black & Veatch (B&V), for the amount of \$706,943. The Authority recommended that B&V oversee the construction management on a part-time basis due to the critical details involved with the design. The Authority had worked closely with B&V on reducing the amount of oversight required due to the hiring of an Assistant Director/Engineer.

In January 2016, B&V provided a scope and a cost proposal in the amount of \$806,000 which included 24 hours per week of construction oversight. The second proposal received March 1, 2016 came in at \$706,943 for 16 hours per week of construction oversight with additional administrative time being reduced. GWA budgeted \$710,000 for construction phase engineering and with the due diligence demonstrated by B&V and GWA, GWA was able to negotiate down to a number under the budget which represented a savings of \$394,000 off of the original CY2015 budget number.

However, due to the amount of effort put into extra work related to Change Order #3 (change in subsurface conditions), the delay in the construction completion date, and other factors, the construction oversight contract will need to be amended. B&V recently attended a TAC meeting where they provided the enclosed "agenda" which summarizes the timeline of events, and how they are proposing to amend their existing contract. Below is a bullet point summary of the discussion at the meeting:

- Black & Veatch's original contract with GWA in March 2016 was for ~\$707k (4.2% of original construction contract), which provided mostly administrative work with some materials testing, attendance at meetings, and 2 days/week construction oversight.
- After the Change order in October 2017, the scope was modified in order to attempt to "stretch" it out to the new contractual completion date of November 2019, but ultimately the entire contract was used up by November 2018. GWA never formally signed an amendment officially modifying the scope.
- The costs B&V has accrued since the last invoice are around \$100k (as of August 8). All the money in their contract has been used up.
- For the remainder of the anticipated construction (through July 2020), based on the level of effort needed for administrative work, meeting attendance, construction oversight, materials testing, and post construction close out items (short circuit study, as-built

drawings, etc.), B&V estimates it will cost GWA an additional \$324k for construction engineering services.

- B&V also wanted to make sure to point out they have taken on approximately \$20k of their own costs in issue corrections, which basically were issues in their design, that they had to spend time to rectify; and they also essentially wrote off \$24k in costs previous to the contract being used up in November 2018. They decided to absorb that loss since they had to close out their fiscal year.
- B&V also pointed out that according to the contract they have accrued \$20k of costs that have been invoiced to GWA for excessive submittals, where Boller had to submit a shop drawing and it was rejected multiple times. That would be up to GWA to attempt to recover that cost from Boller, according to the contract, we do have that right.
- Liquidated damages were also discussed; with the most recent schedule submitted, Boller will have accrued approximately \$580k in liquidated damages.

After B&V left the meeting, the TAC had some internal discussion, and went over several scenarios. Ultimately, the approach that the TAC agreed upon was to offer B&V \$300,000 for the full scope they proposed, and they would essentially lose out on \$24,000 – which was figured to be mostly overhead and profit. The \$300,000 is about 6% of the original construction cost, or about 5.7% of the most up to date construction cost including change orders. Below is a summary of historical percentages of construction costs for construction engineering services.

Biosolids Improvement Project (2003) – 21.4% on a \$4.24M project*

St. Charles Road Lift Station (2009) – 13.3% on a \$2.47M project

CSO Facility Improvements (2011) – 12.5% on a \$1.28M project

Valley View Lift Station (2014) – 11% on a \$2.08M project

* project history was very complicated, these are the only numbers I could find, may be incorrect to some level

As seen, past percentages were much higher, as GWA typically sought full time construction oversight. Full-time construction oversight is no longer needed due to the Assistant Director/Engineer roll.

It's recommended the EOC authorize GWA to amend the construction contract with Black & Veatch for an amount of \$300,000 with the ability to amend the contract at \$324,000 should Black and Veatch not agree to the discounted price. This is anticipated to carry the contract through the remainder of the FIP project, barring any unforeseen delays. These funds would come out of the 40-580180 budget, and have been appropriately placed in the CY2020 budget.

**Glenbard Wastewater Authority
2016 Facility Improvements Project**

**Discussion
Engineering Services Agreement**

August 15, 2019

**Meeting Location: Glenbard Wastewater Authority Conference Room
Meeting Time: 9:30 AM (in conjunction with TAC)**

1. Background: Construction Phase Engineering Services Agreement
 - a. Original CPS Agreement – \$706,943
 - Project Completion – 10/2017
 - Included: Project Admin, Submittal and O&M Reviews, Responding to RFIs, Preparing Change Orders, Site Visits (14), Short Circuit Study, Materials Testing (Terracon), Attendance at Monthly Meetings (28), Construction Sequencing Meetings (7), Substantial/Final Completion Inspections, Conformed Drawings, RPR Services (16 hours per week for 56 weeks)
 - b. Contractor Differing Subsurface Conditions Claim; resulted in CPS effort reallocation – 11/2017
 - Scope adjustments to extend services with no impact to fee: included reduction of RPR services to “upon request”, deletion of Short Circuit Study, deletion of Conformed Drawings, other
 - c. Current status of CPS budget
 - Reached contractual limit in November 2018 (last invoice to GWA); B&V has continued to support the project since that time
 - Accrued costs since last invoice of ~\$100k (as of 8/09/19)
2. Considerations: CPS amendment
 - a. Incurred/unbilled costs since November 2018 ~\$100k
 - b. Estimated effort to complete; two scenarios:
 - August 2019 thru November 2019 (Contract CO Substantial Completion date): PM&A (4 months), Submittal and O&M Reviews (10 total **not including second resubmittals**), Interpretation of Contract Documents, Prepare Change Orders (2), Attendance at Monthly Meetings (8), Construction Sequencing Meetings (2), Substantial/Final Completion Inspections ~ \$70k
 - August 2019 thru July 2020 (Contractor latest schedule Substantial Complete): PM&A (12 months), Submittal and O&M Reviews (10 total **not including second resubmittals**), Interpretation of Contract Documents, Prepare Change Orders (4), Attendance at Monthly Meetings (24), Construction Sequencing Meetings (2), Substantial/Final Completion Inspections ~ \$90k
 - c. Materials Testing (Terracon) ~ \$38k (remaining portion of original budget)

**Glenbard Wastewater Authority
2016 Facility Improvements Project**

**Discussion
Engineering Services Agreement**

- d. Field Support: assumed part-time RPR assistance by B&V, one day per week; two scenarios:
 - August thru November 2019 (Contract CO Substantial Completion date) ~ \$16k
 - August thru July 2020 (Contractor latest schedule Substantial Complete) ~ \$48k
 - e. Optional:
 - Short Circuit Study ~ \$8k
 - Conformed Drawings ~\$40k
3. Discussion items:
- a. B&V responsibility/contributions
 - Issue correction ~ \$20k (not billed, not part of 2.a above)
 - Held costs thru Nov 2018 ~\$24k (not billed, not part of 2.a above)
 - Add'l issues in discussion
 - b. Construction completion schedule (current schedule concerns; could be beyond July 2020)
 - c. Level of effort of RPR support
 - d. Alternatives; e.g., 3rd party CM
 - e. Cost recovery from Contractor:
 - Excessive submittals ~ \$20k to date
 - Liquidated damages
 - Negotiated cost recovery from Contractor
 - f. Contractor performance tools (termination)

SECTION 7.0

**BUDGET APPROVAL –
CY2020**

MEMORANDUM

TO: Executive Oversight Committee
FROM: Matt Streicher, P.E. BCEE, Executive Director
DATE: October 2, 2019
RE: Draft CY2020 Budget



As a means to help convey the significant budgetary impacts for CY2020 I am providing you with an outline of revenue and expenses that have the largest impacts on the budget.

Capital Fund 40

Revenues:

- * Proceeds from Borrowing
 - o Funding for FIP extended out into CY2020 due to project complications.
 - o Added proceeds for borrowing in CY2021 and CY2022 for the biosolids project, and primary clarifier rehabilitation. In order to help try and maintain a positive balance moving forward in the 10 year plan it was determined these loans would be needed.
- * Capital Fund Contribution – Increase to 3%
 - o At the August 2019 EOC meeting it was discussed that a 3% increase would be needed this year in order to catch up from previous years that had minimal increases. Future years were left at 1% increases, but are subject to change upon further discussion.
- * Cell Tower Revenue
 - o Increased cell revenue \$25,000 per year based on T-Mobile being added to the existing tower (\$1,650/month)

Expenses:

- * Property Acquisition - \$500k (up 11% from CY2019)
 - o The Authority intends to begin discussions with the property owner directly adjacent to the parking lot with intents to acquire the property for future use. The Authority also may need to renew leases for the Forest Preserve of DuPage County for easements within their property
- * Vehicle and Equipment Replacement - \$39k (\$0 budget in CY2019)
 - o The Authority will need to replace one of the Electrical Fleet Vehicles

- * Roof Replacements - \$362k (up from \$144k in CY2019)
 - The Authority is continuing with it's roof replacement plan, as well as continuing to evaluate that plan on an annual basis
- * Infrastructure Improvements – \$97k (down 13.39% from CY2019)
- * Plant Equipment Rehabilitation – \$335k (up 8% from CY2019)
- * Electrical Service Distribution System Construction/Construction Engineering – \$2.75M
 - Design engineering for rehabilitation of the underground electrical service throughout the Bemis Rd. facility is occurring in CY2018-CY2019. The design from this study will be utilized for bidding and construction in CY2020
- * Biosolids Dewatering Equipment Replacement Engineering - \$330k
 - Design engineering for the replacement of the biosolids dewatering equipment will need to occur in CY2020 in order for the project to have a chance at obtaining an IEPA low interest loan, as anticipated for in the capital plan. Construction will not occur until CY2021. The entire design and construction for this project was originally anticipated for CY2021.
- * Facility Improvements Project Construction/Engineering - \$2.7M
 - The FIP project is expected to reach final completion in July, 2020. It is anticipated around \$1.5M of the remaining \$2.5M will be funded by the IEPA Loan. Although the original construction engineering contract with Black & Veatch was to extend the entire duration of the project, due to delays and other complications, their budget is anticipated to be used up by the end of CY2018 and an amendment to their contract will be needed. This is a conservative number, as much construction engineering will be done in-house now with another Engineer on board, however the consultant will need to be utilized for specialty work and some contract documents.
- * Added annual motor control center (MCC) replacements (\$100k/year), programing logic controllers (PLC) Replacements (\$130k/year), and Unox deck replacements (\$100k/year). This was a recommendation per the facility plan to avoid the need to increase other project costs to incorporate these replacements.
- * Incorporated all other projects from the most recent facility plan after reviewing future needs with staff.
- * Removed separate construction/engineering categories, and instead all future projects include 15% construction contingency and Engineering, Legal, & Admin @15% of construction cost

- * Changed Biological Phosphorus Removal to Chemical Phosphorus removal due to recommendations in facility plan.
- * Increased Plant Equipment Rehab to \$500k/year due to facility plan recommendations (collection system and lift stations).
- * Reduced suggested values from facility plan for annual collection system reinvestment (\$300k down to \$200k) and annual lift station reinvestment (\$230k down to \$50k)
- * Due to increased Equipment Rehabilitation Budgets in future years, and since all the smaller (in-house) projects/equipment purchases from the Facility Plan were added directly in the 10-year plan, the small capital and infrastructure budgets for future years.
- *

Operations & Maintenance 270

Expenses:

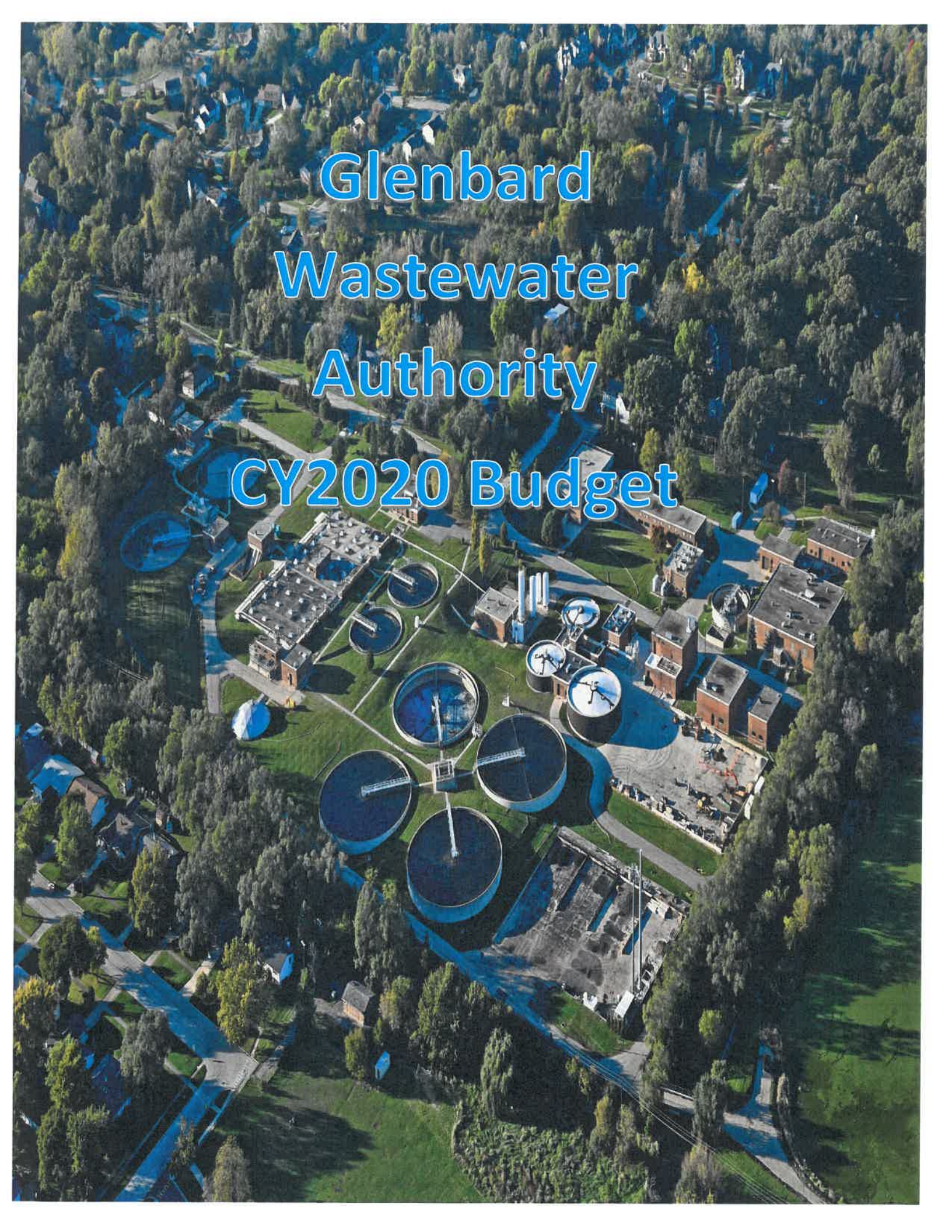
- * Salaries Regular – 1.4% increase over CY2019
 - Estimated 2.75% merit increases.
 - Overtime salaries up 29.4% (\$1,500) to account for the possibility of adding the Maintenance and Electrical staff onto the on-call rotations.
- * Electrical Power – 1.3% decrease over CY2019 (\$400k to \$395k)
 - This line item will take a few years to stabilize with all the efforts being done to reduce energy and starting back up the High Strength Waste/CHP Program. There has been some significant operational changes with the new disk filters, and upcoming new raw pumps, which will considerably affect electrical usage. Also, the continued dewatering for the FIP has affected electrical usage.
- * Natural Gas – 0% increase over CY2019 (\$60k)
 - The number budgeted for natural gas in the past appeared to be significantly lower than what was historically used, therefore this number was adjusted to reflect historical usage in CY2019. We appear to be getting close to this number in CY2019.
- * Water – 20% decrease over CY2019 (\$25k to \$20k)
 - With the Cryo plant decommissioned in CY2017 and other process changes in the past several years we continue to track usage and estimate this better, and also continue to also find ways to reduce water consumption.
- * Liquid Oxygen – 4.3% decrease of CY2019 (\$345k to \$330k)
 - This is only the third year of using liquid oxygen and we are continuing to gather historical data in order to budget better. The annual costs are still within the

target range predicted before switching to using liquid oxygen, and we continue to adjust operational tactics to attempt to reduce consumption

- * Sludge Disposal Costs – 5.1% decrease over CY2019 (\$195k to \$185k)
 - Due to staff being able to streamline operations, they were able to reduce the need for daily hauling, which should continue into CY2020. Therefore, this number was reduced based on what is trending for CY2019..
- * Chemicals – 0% increase over CY2019 (\$90k)
 - Chemical delivery costs for the two major chemicals we use, sodium hypochlorite and sodium bisulfate, have increased significantly, so this item was increased in CY2019. We have also added a new sodium hypochlorite system at the main plant as part of the FIP project, which will increase our need for the chemical. However, none of these anticipated cost increases were seen in CY2020, so we do anticipate
- * Reduced Dues and Subscriptions 37.1% (\$5,850) to accurately reflect organizations and associations the Authority participates with.
- * Employee Education up 51.1% (\$9,700) due to new requirements for Continued Education for Licensed Operators. In order for Operators to keep their license current, they will now have to attend more seminars and conferences.
- * Audit Fees up 32.5% (\$3,700) Village of Glen Ellyn
- * Liability Insurance up 4% (\$6,400) Village of Glen Ellyn
- * Health Insurance up 10.4% (\$22,200) Village of Glen Ellyn
- * In-House Maintenance on Building Exteriors and Grounds down 3.1% (\$1,950). Staff was able to realize a small amount of savings.
- * In-House Maintenance on Equipment up 69.4% (\$109,563). This is mainly due to the possibility of the Combined Heat and Power engines hitting milestones this year based on hours ran. If they hit this milestone, a significant overhaul will be required, and will factor into their return on investment.
- * Maintenance Contracts down 1.2% (\$2,634). Village of Glen Ellyn Fleet Services Support went down 10.3% (\$3,800). The Village of Glen Ellyn maintains GWA's fleet of vehicles and mobile equipment, and in turn invoices GWA for the work.
- * Electrical Contracts went up 1.2% (\$2,634). This is mainly due to a higher budget number for the flow monitoring maintenance and monitoring services. This is a 3-year contract that will need to be renewed in CY2020, therefore it's anticipated there will be a slight increase.

- * Overhead fees increase 1.9% (\$2,503). Village of Glen Ellyn increases overhead fees by CPI annually
- * Telecommunications down 14.5% (\$4,600). The Authority received a new phone system in CY2019 which allowed the monthly bill to be reduced.
- * Laboratory Supplies down 15% (\$3,000). Lab staff has typically not needed to utilize a greater amount; therefore, it was determined this line item could be reduced.
- * Administrative Purchases up 300% (\$1,500). This percentage is a bit deceiving because of the low amount to start off with. The main reason for the increase is the addition of a drone purchase (\$1,000) instead of aerial photography. Many WWTP's have acquired, which have a number of uses before, during, and after construction.

The budget has an overall increase of 3.3% or \$262,203 over the CY2019 budget. It is requested to motion the EOC to authorize approval of the CY2020 budget to the Full Boards of Glen Ellyn and Lombard.



Glenbard Wastewater Authority CY2020 Budget

October 2, 2019

President Diane McGinley and
Members of the Glenbard Wastewater Authority Board
Glen Ellyn, Illinois 60137

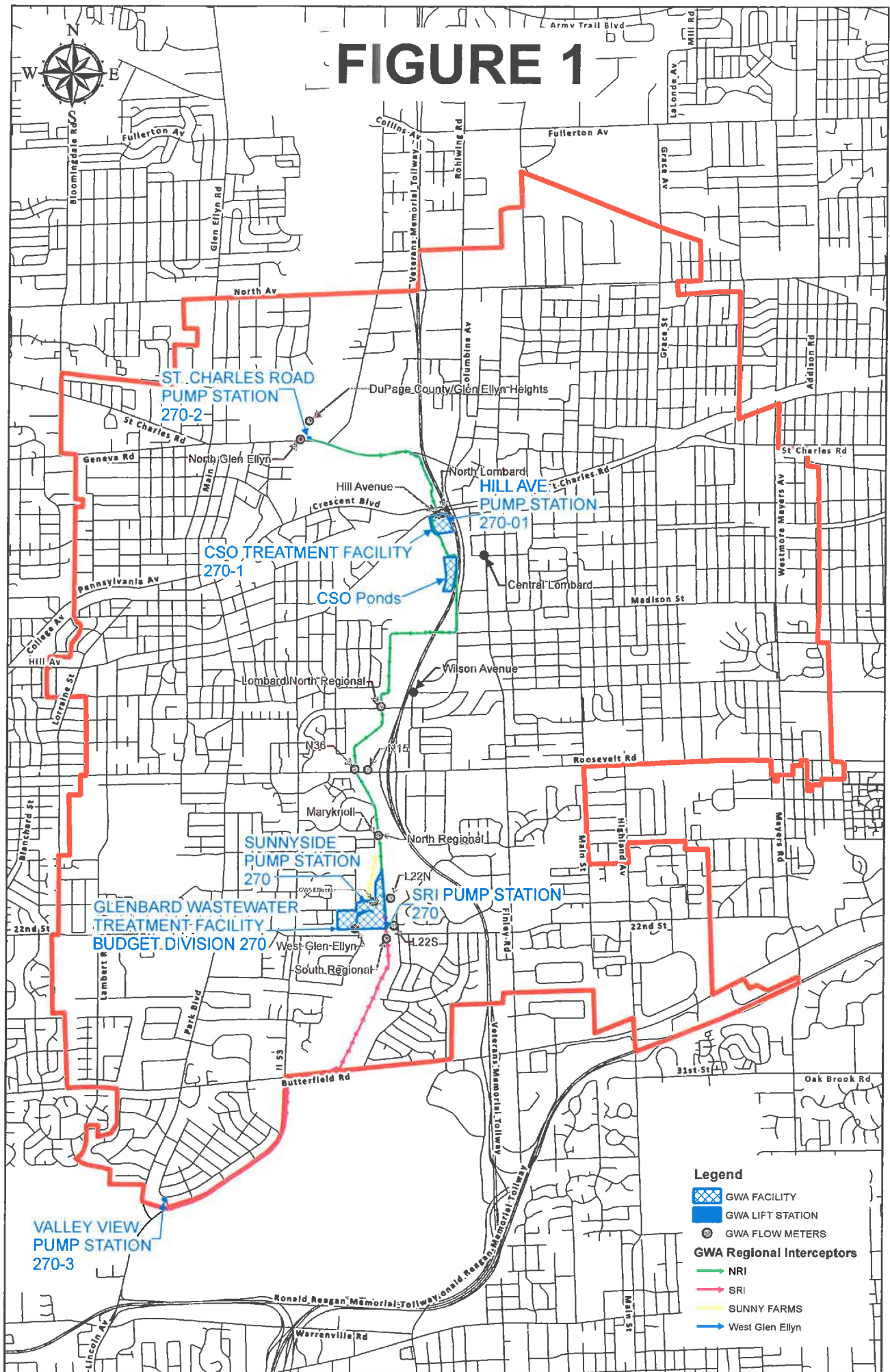
Subject: January 1, 2020 - December 31, 2020 Glenbard Wastewater Authority
Budget (CY2020)

I am pleased to present for your review and consideration the proposed Glenbard Wastewater Authority (Authority) CY2020 Budget. The Glenbard Team, with the help of the Village Managers, Public Works Directors, and Finance Directors developed the proposed budget that is being recommended for approval to the Glenbard Wastewater Authority Board. The proposed CY2020 partner allocation shows an overall increase of \$262,203 3.3% compared to the approved CY2019 budget. The budget reflects a substantial capital improvement plan with the continuation of the Facility Improvements Project construction. The most significant moderate-sized project is the design engineering for the new electrical distribution grid. Smaller projects include equipment rehabilitation and replacement, small capital projects, and minor infrastructure upgrades. The Facility Improvements Project construction expenses are scheduled to be offset with a loan through the IEPA Clean Water Initiative supported by Governor Rauner at a low interest rate of 1.75%. The proposed budget includes funding that will assure continued plant operation that exceeds regulatory standards resulting in improved water quality of the East Branch of the DuPage River.

BACKGROUND

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

FIGURE 1



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

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

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

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

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

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

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

AUTHORITY ORGANIZATION

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

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

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

PERSONNEL – The day-to-day operation of the facilities is overseen by the Authority's Executive Director who is appointed and approved by the Executive Oversight Committee. A preliminary budget allotment of 18.75 highly qualified individuals who are employed with the Authority. Seventeen (17) employees work full-time while another seven (7) work part-time. Eleven employees are certified by the Illinois Environmental Protection Agency in wastewater treatment operations, and eight (8) of those eleven (11) employees hold Class I certificates, the highest certification possible within the State of Illinois.

BUDGET ORGANIZATION

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

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

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

The following is the fund allocation of the Capital fund:

Fund 40 - Equipment Replacement Fund

OPERATION AND MAINTENANCE (O&M) DIVISION

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

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

	Estimated CY2019	Proposed CY2020
Division		
270 - Glenbard Plant	\$4,211,362	\$4,406,294
SRI L.S		
Sunnyside L.S		
270-1 - Stormwater Plant	\$ 132,094	\$ 140,600
Hill Ave. L.S		
270-2 - N. Reg. Int.	\$ 31,853	\$ 33,000
St. Charles Rd. L.S		
270-3 - S. Reg. Int.	\$ 26,746	\$ 22,200
Valley View L.S		
	-----	-----
	\$4,402,055	\$4,602,094

Cash Reserves / Working CashFY 2019

Cash Reserves at January 1, 2019	<u>1,573,861</u>
FY19 Projected Surplus/(Deficit)	<u>62,386</u>
Projected Cash Reserves at December 31, 2019	<u>1,636,247</u>
Less: Estimated Encumbrances at December 31, 2019	<u>0</u>
Projected Working Cash at December 31, 2019	<u>1,636,247</u>
Less: FY19 Required Minimum Working Cash	<u>(1,111,485)</u>
Projected Working Cash Surplus at December 31, 2019	<u><u>524,762</u></u>

Cash Reserves / Working CashFY 2020

Projected Cash Reserves at December 31, 2019	<u>1,636,247</u>
FY20 Projected Surplus/(Deficit)	<u>0</u>
Projected Cash Reserves at December 31, 2020	<u>1,636,247</u>
Less: Estimated Encumbrances at December 31, 2020	<u></u>
Projected Working Cash at December 31, 2020	<u>1,636,247</u>
Less: FY19 Required Minimum Working Cash	<u>(1,150,524)</u>
Projected Working Cash Surplus at December 31, 2020	<u><u>485,724</u></u>

* 25% of FY19 Operating Expenses of \$4,445,941

*

* 25% of FY20 Operating Expenses of \$4,602,094

The seven most significant cost centers in the proposed CY2020 O&M budget are as follows:

1. **Personnel:** The CY2020 proposed GWA team level is at 18.75 full time equivalents (FTE). Personnel costs for the past twenty years of full-time equivalent staff are shown below. SY14 figures indicate expenses for only 8 months due to transitioning to a calendar year in 2015. The figures are indicative of the efficiencies realized through the elimination of multiple shifts, automation and monitoring, and other optimization measures:

	<u>Budget</u>	<u>Actual</u>	<u>FTE</u>
FY98	\$1,433,080	\$1,212,197	27.5
FY99	\$1,286,970	\$ 981,950	25.0
FY00	\$1,074,863	\$ 837,826	20.0
FY01	\$ 897,041	\$ 720,472	18.3
FY02	\$ 882,500	\$ 806,680	17.9
FY03	\$ 936,000	\$ 919,780	17.0
FY04	\$ 979,600	\$ 974,996	16.8
FY05	\$1,065,500	\$1,120,334	15.9
FY06	\$1,163,100	\$1,127,850	15.9
FY07	\$1,219,100	\$1,140,272	15.9
FY08	\$1,254,550	\$1,112,348	14.9
FY09	\$1,197,300	\$1,102,174	14.3
FY10	\$1,235,100	\$1,188,486	15.8
FY11	\$1,328,200	\$1,308,850	15.8
FY12	\$1,372,900	\$1,314,985	15.8
FY13	\$1,368,150	\$1,306,959	15.8
FY14	\$1,410,000	\$1,373,903	15.8
SY14	\$1,066,800	\$1,012,932	17.8
CY15	\$1,555,700	\$1,545,123	17.8
CY16	\$1,619,400	\$1,570,642	18.8
CY17	\$1,647,000	\$1,583,225	18.8
CY18	\$1,612,000	\$1,583,762	18.8
CY19	\$1,728,690	\$1,769,960	18.8 (Estimated)
CY20	\$1,797,543		18.8

2. **O&M:** Expenses are budgeted in the amount of \$812,038. This includes electrical, mechanical, operational, laboratory and administrative operation and maintenance of plant equipment and the maintenance of buildings and grounds. It is imperative that the capital investment that the Villages have made in their wastewater facility be operated and maintained appropriately. These funds, coupled with those in Fund 40 allocated to Plant Equipment Rehabilitation, provide an excellent plan to operate and maintain the Glenbard Plant process equipment. Maintenance funds cover both routine and non-routine repairs.

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

	<u>Actual</u>
FY05	\$606,375
FY06	\$588,400
FY07	\$693,128
FY08	\$1,194,869
FY09	\$769,137
FY10	\$873,093
FY11	\$976,915
FY12	\$1,163,751
FY13	\$752,600
FY14	\$799,084
SY14	\$560,071 (8 Month Budget)
CY15	\$760,826
CY16	\$1,023,100
CY17	\$645,708
CY18	\$672,769
CY19	\$737,405 (Estimated)
CY20	\$591,200 (Budgeted)

4. **Support Services:** The following are budgeted as support for each of the specific disciplines; Operations, Maintenance, Maintenance Building and Grounds, and Electrical. The CY2020 budget is proposed at a cumulative amount of \$406,584. This includes the cost of specialized support services that are more effectively and/or efficiently purchased or contracted than completed internally. Support Services range from \$200 per year for software support to \$122,000 per year which includes upgraded flow meters, data analysis and meter maintenance fees.

5. **Insurance:** Expenses are budgeted in the amount of \$380,300 for Liability and Health. This number represents all insurance required for the Authority's daily business.

6. **Liquid Oxygen:** The newer process of having liquid oxygen delivered versus producing it onsite provides the Authority with flexibility to operate the biological process with lower dissolved oxygen levels which translate into saving cost on liquid hauling. The budget amount for this line item is \$330,000.

7. **Fees:** Expenses are budgeted in the amount of \$284,429. Fees include payments for service, memberships, or regulatory fees during CY2020.

CAPITAL FUND

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

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

	Estimated CY2019	Proposed CY2020
Fund 40 – Equip. Replacement		
Debt Payment	\$ 637,001	\$ 1,631,731
Project Expenses	\$ 5,101,990	\$ 7,588,434
Property Acquisition	\$ 450,000	\$ 500,000
Total	\$ 6,188,991	\$ 9,720,165

Proposed CY2020 capital expenses of \$9,720,165 are 9.18% or \$817,164 higher than the CY2019 budgeted capital expenses of \$8,903,001. The increase reflects the upcoming projects along with that were deferred or removed from the previous year and are now scheduled to occur in CY2020.

ALLOCATION OF EXPENSES

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

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

In CY2020 a five-year average flow split of 41.01% (Glen Ellyn) and 58.99% (Lombard) is being utilized to estimate the expense allocations for the Wastewater Treatment Facilities. The true ups during the budget year will adjust the members budgeted portions as the flow splits become actual.

The CY2020 budget is inclusive of O&M Division 270 with expense allocation tracking for all facilities. Glen Ellyn recoups some of their operating costs through billings to DuPage County and Illinois-American Water Company.

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

	Budgeted CY2019	Proposed CY2020
Village of Lombard	\$2,548,004	\$2,708,876
Village of Glen Ellyn	<u>\$1,887,936</u>	<u>\$1,883,218</u>
<i>Total</i>	<i>\$4,435,941</i>	<i>\$4,592,094</i>

The overall O&M contribution by the two Villages has increased by \$156,153 or 3.5% more than the CY2019 budget. The allocation to the Villages for the support of the O&M portion of the budget is \$4,592,094. The allocation to the Villages for support of the proposed Capital Fund is \$3,641,050.

CONCLUSION

The total proposed CY2019 budget and comparisons are as follows:

	Budgeted CY2019	Proposed CY2020
O&M	\$ 4,445,941	\$ 4,602,094
Capital	<u>\$ 9,023,000</u>	<u>\$ 9,933,434</u>
Total	\$13,468,641	\$14,535,528

Respectfully Submitted,



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

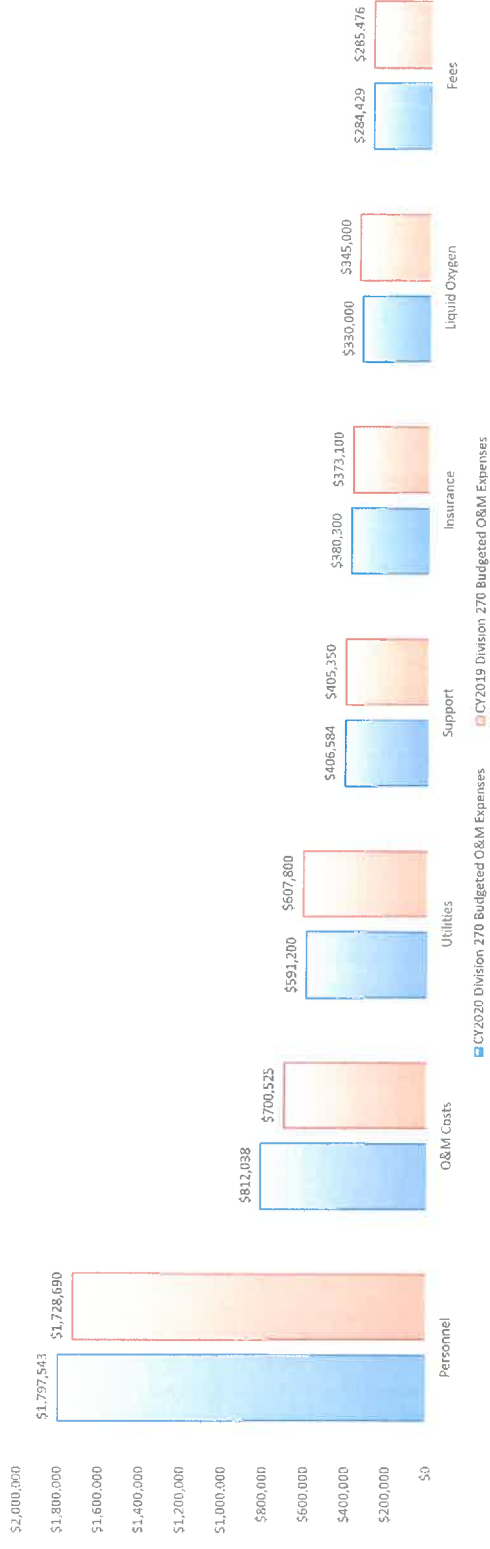
Glenbard Wastewater Authority
 Budget CY2020
 All Funds
 Expense Allocation to Partners

APPROVED CY2019 EXPENSES ALLOCATED TO PARTNERS				
		LOMBARD	GLEN ELLYN	TOTAL
Fund 27 – Operation & Maintenance Fund		2,548,004	1,887,936	4,435,941
TOTAL O&M BUDGET		2,548,004	1,887,936	4,435,941
CAPITAL EQUIPMENT REPLACEMENT FUND		1,899,002	1,635,998	3,535,000
TOTAL O&M AND CAPITAL BUDGETS		4,447,006	3,523,934	7,970,941
ESTIMATED ACTUAL CY2019 EXPENSES ALLOCATED TO PARTNERS				
		LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.		2,305,721	1,905,641	4,211,362
270-1 – Stormwater Plant / Hill Ave L.S.		72,321	59,772	132,094
270-2 – North Reg. Int. / St. Charles Rd. L.S.		17,439	14,413	31,853
270-3 – South Reg. Int. / Valley View L.S.		14,643	12,103	26,746
TOTAL O&M BUDGET		2,410,125	1,991,930	4,402,055
CAPITAL EQUIPMENT REPLACEMENT FUND		1,899,002	1,635,998	3,535,000
TOTAL O&M AND CAPITAL BUDGETS		4,309,127	3,627,928	7,937,055
CY2018 BUDGET OVER (UNDER)		(137,879)	103,994	(33,886)
PROPOSED CY2020 PARTNERS ALLOCATION				
		LOMBARD	GLEN ELLYN	TOTAL
Fund 27 – Operation & Maintenance Fund		2,708,876	1,883,218	4,592,094
TOTAL O&M BUDGET		2,708,876	1,883,218	4,592,094
CAPITAL EQUIPMENT REPLACEMENT FUND		1,984,190	1,656,860	3,641,050
TOTAL O&M AND CAPITAL BUDGETS		4,693,066	3,540,078	8,233,144
Proposed CY2020 Partners Allocation Compared to Approved Expenses Allocated to Partners CY2019:				
Operation & Maintenance	\$	\$160,872	(\$4,719)	\$156,153
	%	6.3%	-0.2%	3.5%
Capital Improvements	\$	\$85,188	\$20,862	\$106,050
	%	4.5%	1.3%	3.0%
Total O&M and Capital Budgets	\$	246,060	16,143	262,203
	%	5.5%	0.5%	3.3%

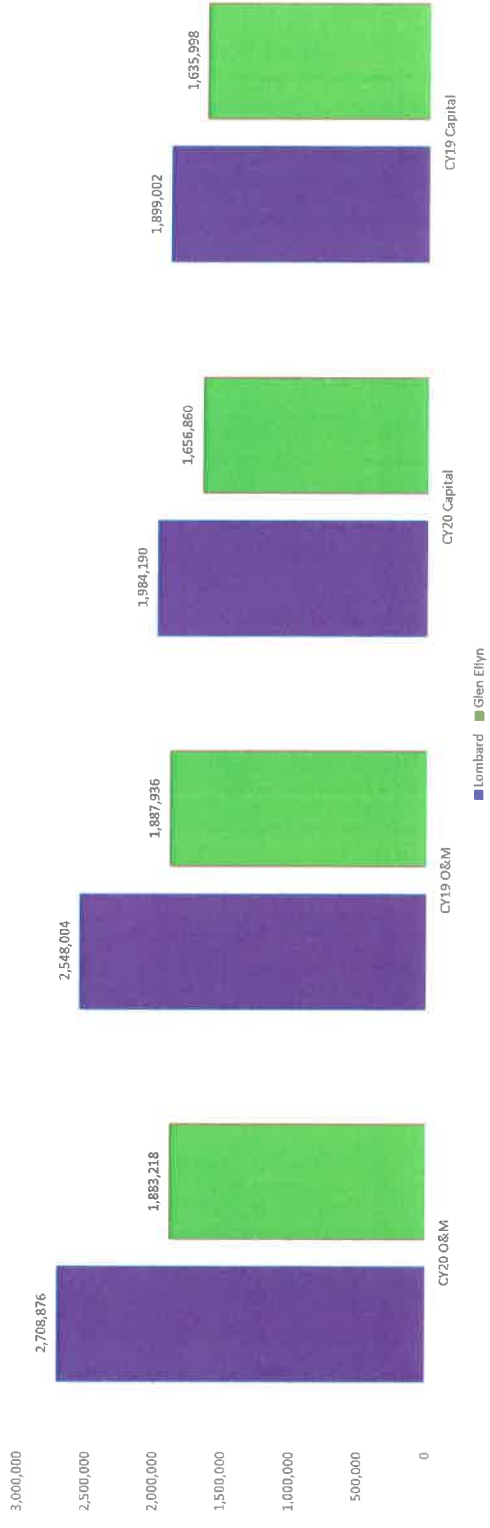
Glenbard Wastewater Authority Budget CY2020 Operations & Maintenance				
SUMMARY BY DIVISION				
Expense Allocation to Partners REVENUES	Actual CY2018	Budgeted CY2019	Estimated CY2019	Budgeting CY2020
Div. 270 – Glenbard Wastewater Authority	3,931,990	4,435,941	4,435,941	4,592,094
Interest O&M Fund	21,560	10,000	28,500	10,000
Miscellaneous Revenue	88	0	0	0
IRMA Reimbursement	0	0	0	0
Total Revenues	3,953,638	4,445,941	4,464,441	4,602,094
EXPENSES	Actual CY2018	Budgeted CY2019	Estimated CY2019	Budgeting CY2020
Div. 270 – Glenbard Plant / SRI L.S. / Sunnyside L.S.	3,794,607	4,248,691	4,211,362	4,406,294
270-1 -- Stormwater Plant / Hill Ave L.S.	121,864	142,100	132,094	140,600
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	24,671	32,950	31,853	33,000
270-3 -- South Reg. Int. / Valley View L.S.	12,495	22,200	26,746	22,200
Total O&M Expense:	3,953,637	4,445,941	4,402,055	4,602,094
Village of Glen Ellyn O&M Expenditures	1,757,392	1,892,192	1,873,515	1,887,319
Village of Lombard O&M Expenditures	2,196,245	2,553,748	2,528,540	2,714,775
Budget (Over) Under	0	0	62,386	0
Use of Available Cash				

Glenbard Wastewater Authority CY2020 Total Budget				
	Actual CY2018	Budgeted CY2019	Estimated CY2019	Budgeting CY2020
Operations & Maintenance	\$3,953,637	\$4,445,941	\$4,402,055	\$4,602,094
Capital Costs (Expenses & Debt Repayment)	\$3,250,401	\$9,023,000	\$6,188,990	\$9,933,434
TOTAL	\$7,204,038	\$13,468,941	\$10,591,045	\$14,535,528

CY2019/CY2020 Division 270 Budgeted O&M Comps



CY2019/CY2020 Member Contribution Comps



**DIVISION 270
GLENBARD PLANT
and
THE SRI LIFT STATION
and
SUNNYSIDE LIFT STATION
O&M NARRATIVE**

Division 270 is the main treatment facility. The facility treats, on average, 12 million gallons per day (MGD). The flow is conveyed via two interceptors:

- ~The North Regional Interceptor (SRI)
- ~The South Regional Interceptor (NRI)

These interceptors end at a junction chamber that is located on the eastern property line. Once they have reached the junction chamber, one 60" sewer conveys the flow under the East Branch of the DuPage River and into the GWA Treatment Facility. The 22nd Street sewer pipe also conveys flow to the junction chamber, but is not considered an interceptor since it is the property of the Village of Lombard.

The SRI Lift Station is located on the southeastern corner of the Glenbard Plant. The station was built in 1992 to alleviate the overpowering flow of wastewater from the NRI that created sanitary sewer overflows of the South Regional Interceptor. The wastewater that is pumped through the SRI Lift Station is conveyed to the station by the South Regional Interceptor which receives flow exclusively from collection systems operated and maintained by Illinois-American Water, a private utility company regulated by the Illinois Commerce Commission. Glenbard provides wastewater treatment for Illinois-American Water, who pays a user charge for this service to the Village of Glen Ellyn.

The Sunnyside Lift Station which was built in 1979 as part of the re-aligning of the North Regional Interceptor (NRI) during the construction of the new Glenbard Wastewater Authority Treatment Facility. The NRI at the time was on the west side of the East Branch of the DuPage River. The construction of the new Glenbard plant re-aligned the NRI to the east side of the East Branch of the DuPage River. The homeowners that had laterals leading directly to the NRI needed to be serviced, so the creation of the Sunnyside Lift Station came to be. The lift station serves less than twelve residents along Sunnybrook Road.

Flow through the Glenbard Plant is billed to both the Village of Lombard and the Village of Glen Ellyn based on monthly flow billing.

Budget CY2020**Operations & Maintenance****Division 270****Expense Allocation to Partners****REVENUE**

		Actual CY2018	Budgeted CY2019	Estimated CY2019	Budgeting CY2020
Operation/Maintenance					
450010	Glen Ellyn Share - 41.01%	1,620,232	1,887,936	1,751,093	1,883,218
450015	Lombard Share - 58.99%	2,311,758	2,548,004	2,684,848	2,708,876
	Partners Allocation	3,931,990	4,435,941	4,435,941	4,592,094
	Interst Income - O&M Fund	21,560	10,000	28,500	10,000
	Misc. Revenue	88	0	0	0
	IRMA Reimbursement	0	0	0	0
DIVISION 270		3,953,638	4,445,941	4,464,441	4,602,094

NOTE: The flow splits used to calculate partner payments for CY2020 are as follows:

Flow Split for Glen Ellyn: 41.01%

Flow Split for Lombard 58.99%

(for 5 yrs. Average ending 12/31/18)

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

Flow Split for Glen Ellyn: 42.56%

Flow Split for Lombard 57.44%

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

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

Flow Split for Glen Ellyn: 44.45%

Flow Split for Lombard 55.55%

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

Budget CY2020
Operations and Maintenance
Division 270
Expense Allocation to Partners

Footnotes

EXPENSES

			Actual CY2018	Budgeted CY2019	Estimated CY2019	Budgeting CY2020	% Difference CY19-CY20	\$ Difference CY19-CY20
Personnel Services								
510100	Salaries - Regular	4	1,261,045	1,392,000	1,427,254	1,412,000	1.4%	20,000
510110	Salaries - Part-Time Ops.	5	50,173	60,000	56,581	60,000	0.0%	0
510200	Salaries - Overtime	6	42,303	51,000	54,055	66,000	29.4%	15,000
510300	Salaries - Temporary/Seasonal		1,536	7,000	7,283	7,000	0.0%	0
510400	FICA		99,276	115,515	113,855	118,193	2.3%	2,678
510500	IMRF	7	121,554	103,175	101,630	134,350	30.2%	31,176
	State Unemployment		7,875	0	9,031	0	#DIV/0!	0
	Total		1,583,762	1,728,690	1,769,690	1,797,543	4.0%	68,853
Contractual Services and Commodities								
520305	Employee Recognition		188	1,000	500	1,000	0.0%	0
520310	Dues/Subs./Fees		9,547	15,750	4,456	9,900	-37.1%	(5,850)
520615	Recruiting/Testing		5,686	1,000	1,515	1,000	0.0%	0
520620	Employee Education	8	11,890	19,000	19,539	28,700	51.1%	9,700
520625	Travel (Mileage)		80	750	273	750	0.0%	0
520700	Pro. Serv.-Legal Support	9	10,802	15,000	21,870	15,000	0.0%	0
520750	Legal Notices		377	500	690	500	0.0%	0
520770	Regulatory Fees		52,985	53,000	53,000	53,000	0.0%	0
520775	DuPage River Salt Creek Work Group Fee	:	31,091	33,600	32,180	32,200	-4.2%	(1,400)
520806	Pro. Serv.-Lab Support		18,090	27,500	29,450	28,500	3.6%	1,000
520810	External Consulting Fees	;	10,550	20,000	18,000	20,000	0.0%	0
520825	Audit Fees / Pro. Serv. - Acct.	<	11,100	11,400	14,700	15,100	32.5%	3,700
520885	Insurance - Liability (MICA)	43	136,432	160,000	135,951	145,000	-9.4%	(15,000)
520895	Insurance - Health	44	212,480	213,100	257,093	235,300	10.4%	22,200
520970	Maint. - Bldg. & Grds.		11,656	12,000	4,923	10,700	-10.8%	(1,300)
520971	Bldg. & Grounds - Support		44,964	56,550	55,300	56,600	0.1%	50
520975	Maint. - Equipment		49,599	157,825	96,537	267,388	69.4%	109,563
520976	Maint. - Support	45	43,376	62,500	50,299	60,550	-3.1%	(1,950)
520980	Maint. - Electronics		48,097	66,000	51,082	66,000	0.0%	0
520981	Elect. - Support	46	176,271	219,900	202,217	222,534	1.2%	2,634
520990	Operations - Supplies		10,283	14,100	12,589	14,100	0.0%	0
520991	Operations - Support		4,120	7,000	3,509	7,000	0.0%	0
521055	Professional Services - Other Support		944	4,000	3,000	4,000	0.0%	0
521130	Overhead Fees	47	129,270	131,726	131,726	134,229	1.9%	2,503
521150	Sludge Disposal - Land Applied	48	153,121	195,000	181,944	185,000	-5.1%	(10,000)
521195	Telecommunications		28,969	31,800	30,846	27,200	-14.5%	(4,600)
521201	Electric Power	49	496,293	400,000	536,373	395,000	-1.3%	(5,000)
521202	Natural Gas	4:	42,516	60,000	55,534	60,000	0.0%	0
521203	Water		26,541	25,000	18,626	20,000	-20.0%	(5,000)
521204	Self-Gen Gas		4,818	6,000	4,572	6,000	0.0%	0
530100	Office Expenses		13,200	16,500	14,397	16,500	0.0%	0
530106	Operating Supplies - Lab		11,648	20,000	12,156	17,000	-15.0%	(3,000)
530107	Pretreatment Expenses		0	4,500	316	4,500	0.0%	0
530200	Administrative Purchases		0	500	0	2,000	300.0%	1,500
530225	Safety		14,920	17,500	18,295	21,500	22.9%	4,000
530440	Chemicals	4;	46,398	90,000	35,588	90,000	0.0%	0
530443	Liquid Oxygen	4<	337,309	345,000	327,197	330,000	-4.3%	(15,000)
530445	Uniforms		5,233	5,000	5,429	5,000	0.0%	0
	Total		2,210,846	2,520,001	2,441,672	2,608,751	3.5%	88,750
	TOTAL DIVISION 270		3,794,607	4,248,691	4,211,362	4,406,294	3.7%	157,603

CY2020 DIVISION 270 O&M FOOTNOTES

(1) SALARIES (\$1,412,000):

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

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

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

(3) SALARIES – OVERTIME (\$66,000):

GWA continues to trend overtime and manage this expense with best management practices in mind. The increase over last year is due to the potential to add a new policy that will put the Maintenance and Electrical departments in on-call rotations in addition to the Operations department.

(4) IMRF (\$134,350):

This represents a \$31,176 increase compared to the CY2019 budget number of \$103,175.

(5) EMPLOYEE EDUCATION (\$28,700):

The employee education budget includes costs for attendance at seminars, conferences, and other educational courses – and includes travel costs and reimbursements. In addition to encouraging staff to receive continuing education, in 2019 the Illinois Environmental Protection Agency revised the requirements for Wastewater Operators to maintain their licenses, and now require continuing education, therefore we know staff will need to attend more events in order to keep their status current.

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

This item had no increase from CY2019 and is used for legal needs regarding projects and contract reviews, lease agreements, access, and all other legal consultation.

(7) **DUPAGE RIVER SALT CREEK WORK GROUP (\$32,200):**

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

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

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

(9) **AUDIT FEES (\$15,100):**

The Audit fees for the Authority cover the cost of the Village of Glen Ellyn as the "Operating Agency" to hire a third-party financial firm to provide an Audit of the CY2019 financials.

(10) **INSURANCE LIABILITY (\$145,000):**

This item represents the annual premium cost of our coverage with Municipal Insurance Cooperative Agency (MICA), a pooled insurance program, which provides a protected self-insured plan. Included in this expense line is the annual premium payment to MICA for CY2020 and an excess liability policy. This Line item is the is a \$15,000 increase from the number that was utilized for the CY2019 budget number of \$160,000. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.

(11) **INSURANCE HEALTH (\$235,300):**

Health care is provided through the Village of Glen Ellyn insurance plan. This line item reflects a \$22,200 increase over the CY2019 budget number of \$213,100.

(12) MAINTENANCE SUPPORT (\$60,550):

This line item reflects work previously budgeted in the Maintenance-Contractual line item. This represents a \$1,950 decrease from the CY2019 budget number of \$62,500.

(13) ELECTRICAL SUPPORT (\$222,534)

This line item reflects an increase in CY2020 compared to CY2019 budget number of \$219,900. The increase is attributed to increased costs in annual service contract increases.

(14) OVERHEAD FEES (\$134,229):

Overhead fees per the Intergovernmental Agreement (IGA) are based on the annually published CPI-U Chicago increase of 1.9% for the CY2020 budget. In 2015 the administrators for the member Villages reviewed the demands of the Authority regarding the Operating Agency's responsibility for oversight and felt that after three years (per the IGA) the review of workload allocation and the cost to support the Authority is acceptable until the next review due this year.

(15) SLUDGE DISPOSAL FEES (\$185,000):

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

(16) ELECTRIC POWER (\$395,000):

In CY2017 The Authority signed a four (4) year agreement which began in CY2018 (February) with Direct Energy for a Fixed Fee of \$0.04436/KWH (reduction from previous 3-year contract with Dynegy Energy for \$.0478/KWH.) Our power consumption is directly impacted by wet weather conditions impacting our facilities. The Authority originally estimated this cost to be much lower (\$300,000) due to the potential electricity being produced by Combined Heat & Power (CHP) engine generators, however due to the digester upset, conservative numbers have been reinserted into the budget keeping in mind the uncertainty of the co-digestion/HSW program, and it's affect on the ability to generate more electricity. The \$395,000 budget number for CY2020 is based on past trends and predicted CHP Electricity production, as well as normal operating parameters for the plant.

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

In CY2017 The Authority signed a four (4) year agreement which began in CY2018 (April 1) with Constellation Energy Services for a Fixed Fee of \$2.78 per dekatherm (reduction from previous 3-year contract with Integrys Energy for a Fixed Fee of \$4.19 per dekatherm) The Authority is looking to continue to reduce our natural gas costs with the CHP process which as a secondary savings driver will reduce the need for natural gas as a fuel for our 1.5 million BTU boilers used to heat the anaerobic digesters. The hot water created by the engines is used to heat the digester which lowers the temperature of the water as it recirculates back through the engine and gets reheated. The hydronic process of the CHP system is complicated due to the needs of two processes, the anaerobic digester heating demands and the CHP engine cooling demands. The two must work together to successfully regulate the temperatures each one specifically needs. The hot water if not needed by the boilers, will be cooled by the radiators to keep the CHP's from overheating.

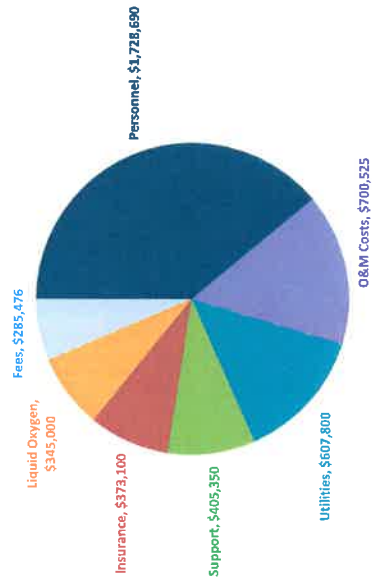
(18) CHEMICALS (\$90,000):

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

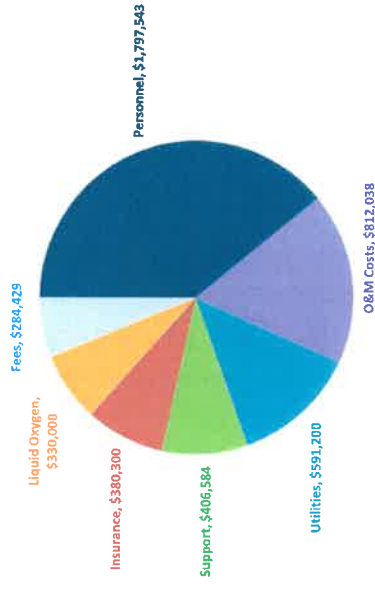
(19) Liquid Oxygen (\$330,000)

In CY2018 the Authority began to haul in pure oxygen from an outside provider. The transition to hauling it from an outside provider has allowed us to start using less energy, while still operating the high purity oxygen system, and gave us the ability to fine tune our operations prior to converting to a biological nutrient removal process. Performing the transition could avoid shocks to the biological components of the overall treatment process as a result of moving directly from High Purity Oxygen (HPO) Activated Sludge process to Biological Nutrient Removal (BNR). The transition to liquid hauling would also consume less staff time since the cryogenic plant would no longer be in operation, and would reduce overall operational costs. This line item has a \$15,000 decrease from CY2019, which is a result of trying to refine actual numbers based on historical usage. Since this is still a relatively new process, we continue to refine the number as we have more historical data to base it off of.

CY2019 O&M EXPENSES



CY2020 O&M EXPENSES



270-1
STORMWATER PLANT
and
Hill AVENUE LIFT STATION
O&M NARRATIVE

The Glenbard Wastewater Authority Stormwater Plant is only utilized for operation during excess flow events. The Stormwater Plant is capable of processing 58 MGD of combined sewer flow.

The Hill Avenue Lift Station is also an integrated part of the Stormwater Plant. The lift station conveys flow to the plant as a result of flows greater than 2.5 times average daily flows through the Hill Avenue Regulator. The lift station only operates during wet weather events as part of the system that protects the Glenbard Plant from excessive high flow situations created in part by the combined sewers in the northern section of the Village of Lombard.

Budget CY2020

Operations & Maintenance

Division 270-1

Stormwater Plant & Hill Avenue Lift Station

EXPENSES

		Actual CY2018	Budgeted CY2019	Estimated CY2019	Budgeting CY2020	% Difference CY19-CY20	\$ Difference CY19-CY20
Operations & Maintenance							
520770	Regulatory Fees	20,000	20,000	20,000	20,000	0.0%	0
520970	Maint. - Bldgs. & Grnds. / Support	16,206	12,200	9,600	11,700	-4.1%	(500)
520975	Maint. - Equipment	1,309	5,400	2,818	5,900	9.3%	500
520980	Maint. - Electronics	2,838	4,000	2,000	4,000	0.0%	0
521201	Electric Power	35,111	40,000	40,145	38,000	-5.0%	(2,000)
521202	Natural Gas	3,529	4,500	5,000	5,000	11.1%	500
521203	Water	3,581	5,500	4,563	5,000	-9.1%	(500)
530105	Operations Supplies	0	500	1,079	1,000	100.0%	500
Commodities							0
530440	Chemicals	39,290	50,000	46,889	50,000	0.0%	0
Total 270-1		121,864	142,100	132,094	140,600	-1.1%	(1,500)

270-2
NORTH REGIONAL INTERCEPTOR
and
ST. CHARLES RD. LIFT STATION
O&M NARRATIVE

The North Regional Interceptor (NRI) begins at the St. Charles Lift Station located next to Ackerman Park in Glen Ellyn. An 18" diameter force main exits the lift station and runs east down St. Charles Road to the I-355 Tollway, where the sewer turns south and becomes a gravity sewer. From there the NRI runs south 4.5 miles to the Glenbard Plant. The diameter of the NRI changes from 18" to 66" as collection systems from both member Villages enter and add more flow. Glen Ellyn has five connections to the NRI and Lombard has four. Three of the Lombard connections are from combined sewers. The three combined sewers have "regulators" before they enter the NRI. The purpose of these regulators is to limit the amount of storm water that is treated at the Glenbard Plant. This is done by diverting any flow above 2.5 times the average dry weather flow to the Stormwater Plant. These regulators were converted to Vortex Regulators as part of the Stormwater Plant upgrade in 2002.

The St. Charles Road Lift Station receives flow from the Village of Glen Ellyn and the DuPage County sanitary sewer systems. Flows range from 2 million gallons per day (MGD) to 10 MGD due to Inflow and Infiltration (I&I). The new lift station has been designed to operate cost effectively at low and high flow conditions utilizing variable speed drives. These drives control the speed of the pumps versus the previous method of on/off cycling of the pumps. The lift station also has redundant back-up power provided by onsite generation.

Budget CY2020
Operations & Maintenance
270-2
NRI / St. Charles Road L.S.

EXPENSES

		Actual CY2018	Budgeted CY2019	Estimated CY2019	Budgeting CY2020	% Difference CY19-CY20	\$ Difference CY19-CY20
St. Charles Rd. Lift Station							
520970 SC	Maint. - Bldg. & Grnds.	84	450	225	500	11.1%	50
520975 SC	Maint - Equipment	1,834	9,000	5,040	9,000	0.0%	0
520980 SC	Maint. - Electronics	3,158	3,000	1,500	3,000	0.0%	0
521201 SC	Electric Power	19,574	20,000	24,888	20,000	0.0%	0
	Total	24,651	32,450	31,653	32,500	0.2%	50
North Regional Interceptor							
520970 NRI	Maint. - Piping & Grnds.	20	500	200	500	0.0%	0
	Total	20	500	200	500	0.0%	0
	Total 270-2	24,671	32,950	31,853	33,000	0.2%	50

270-3
SOUTH REGIONAL INTERCEPTOR
and
VALLEY VIEW LIFT STATION
O&M NARRATIVE

The South Regional Interceptor (SRI) begins at the Valley View Lift Station which conveys flow approximately 1.0 mile before it becomes a .5 mile gravity sewer that flows into the SRI Pump Station. Through the 1.5 miles the pipe diameter changes from 18" to 30" as three additional sewers enter the SRI. The SRI Pump Station pumps the wastewater a short distance to a junction chamber for the NRI, SRI and 22nd Street flow. The junction chamber combines the three (3) interceptor pipes and conveys the flow through a 60" sewer line to the Glenbard Plant. The wastewater in the SRI is exclusively from collection systems operated and maintained by Illinois-American Water, a private utility company regulated by the Illinois Commerce Commission. Glenbard provides wastewater treatment for Illinois-American Water, who pays a user charge for this service to the Village of Glen Ellyn. This responsibility was acquired by the Village of Glen Ellyn as the "Operating Agency" for the Glenbard Wastewater Authority per an Intergovernmental Agreement. This limits the partners of the Glenbard Wastewater Authority to the Village of Glen Ellyn and the Village of Lombard.

The Valley View Lift Station was completely rebuilt during short year 2014 and a portion of calendar year 2015. The project included building a new wet well, valve vault, emergency by-pass pumping capabilities, a new control building that includes a control room, a new generator, and a utility closet. The project also addressed stormwater retention, low cost site maintenance, and site security. The total project cost for the station was \$1,945,190 which is \$32,622 less than the bid award. This project was designed and built with budgeted Capital Improvements Funds.

Budget CY2020
Operations & Maintenance
270-3
SRI / Valley View L.S.

EXPENSES

		Actual CY2018	Budgeted CY2019	Estimated CY2019	Budgeting CY2020	% Difference CY19-CY20	\$ Difference CY19-CY20
Valley View Lift Station							
520970 VV	Bldg. & Grnds. Support	84	700	4,638	700	0.0%	0
520975 VV	Maint. - Equipment	554	5,000	2,500	5,000	0.0%	0
520980 VV	Maint. - Electronics	0	1,000	2,500	1,000	0.0%	0
521201 VV	Electric Power	10,336	13,000	15,308	13,000	0.0%	0
521203 VV	Water	1,501	2,000	1,550	2,000	0.0%	0
Total		12,475	21,700	26,496	21,700	0.0%	0
South Regional Interceptor							
520970	Maint. - Piping & Grnds.	20	500	250	500	0.0%	0
Total		20	500	250	500	0.0%	0
Total 270-3		12,495	22,200	26,746	22,200	0.0%	0

Capital

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

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)
	Estimated	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing	3000	1500	1870	2100								0
Investment Income	106	10	10	10	10	10	10	10	10	10	10	20
Glen Ellyn Conn Fees	80	25	25	25	25	25	25	25	25	25	25	25
Lombard Conn Fees	48	25	25	25	25	25	25	25	25	25	25	25
Demand Response Program	25	25	26	27	27							
Leachate Revenue	250	117	117	117	117	117	117	117	117	117	117	117
Fats Oil & Grease (FOG) / Industrial Waste Tipping Fees	80	75	75	75	75	75	75	75	75	75	75	75
Cell Tower Revenue	56	75	63	65	67	90	93	96	99	102	105	108
Operating Surplus Transfers	449	0										
Pretreatment Fines	2	1										
Misc. Revenue	0	0										
Capital Fund Contribution - Glen Ellyn	1636	1657	1655	1671	1668	1705	1722	1739	1757	1774	1792	1810
Capital Fund Contribution - Lombard	1699	1684	2023	2043	2063	2084	2105	2126	2147	2169	2190	2212
Total Capital Fund Contribution	3335	3641	3677	3714	3731	3789	3827	3865	3904	3943	3982	4022
TOTAL REVENUE	7631	5495	5909	6179	4118	4132	4173	4214	4256	4298	4340	4393
EXPENSES in Thousands \$												
	CY(2018)	CY(2020)	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)
	Estimated	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Debt Service Payments:												
Ana Digester Project Debt Payment (P&I)	637	637	637	637	637	637	318					
Biosolids Project Debt Payment (P&I)				57	57	57	57	57	57	57	57	57
Primary Clarifier Project Debt Payment (P&I)				84	84	84	84	84	84	84	84	84
FIP Debt Payment Actual (P&I)		995	995	995	995	995	995	995	995	995	995	996
Debt Service Payment Subtotal	637	1632	1632	1689	1753	1753	1436	1116	1116	1116	1117	1117
Debt Service Subtotal	637	1632	1632	1689	1753	1753	1436	1116	1116	1116	1117	1117
Capital Improvements												
Property Acquisition - DCFPD NRI Easement Purchase	450	500										
Capital Improvement Projects												
Vehicle and Equipment Replacement	0	39	187	71	184	248	137	141	130	130	130	130
Small Capital Projects	120	85	50	50	50	50	50	50	50	50	50	50
Infrastructure Improvements	60	97	100	100	100	100	100	100	100	100	100	100
Roof Replacements - Updated based on Repl. Schedule	136	362	45	178	0	0	101	154	181	68	52	35
Plant Equipment Rehabilitation	270	335	500	500	500	500	500	500	500	500	500	500
Atmospheric Vaporizer Lease	20	20	20	25	25	25	25	30	30	30	30	30
MCC Replacements		140	140	140	140	140	140	140	140	140	140	140
PLC Replacements - Campus Wide		130	130	130	130	130	130	130	130	130	130	130
Unox Deck Replacements*		100	100	100	100	100	100	100	100	100	100	100
DuPage River Salt Creek Work Group Assmt for Watershed Projects	265	273	281	289								
Facility Plan	19					150					175	
Facility Improvements Project												
Engineering	150	150										
Construction/(EPA Loan)	3000	2500										
Electric Service Distribution System Rehabilitation Project												
Engineering	0	250										
Construction	0	2500										
Admin Building HVAC Construction	998	0										
Admin Building HVAC Engineering	64	0										
RAS Pump Station Rehabilitation*		150										
Grit Pump & Screening Washer/Conveyor Replacement*		310										
Primary Grit Odor Control Capital Improvement (Phase 1)			450									
Biosolids Dewatering Equipment Replacement Engineering		330	1870									
Biosolids Dewatering Equipment Replacement Construction												
Primary Grit Odor Control Capital Improvement (Phase 2)				1200								
Gravity Sludge Thickener Rehabilitation*				560								
Primary Clarifier Rehabilitation				2100								
Electronic O&M Manuals					380							
Chemical Phosphorus Removal (1.0 mg/L)					2300							
Carbo RAS Pump Replacement*					240							
Bemis Road, Administrative Parking Lot Improvements, and Plant Resurfacing						800						
Intermediate Pumping Station Rehabilitation						1900						
RAS Mag Meter Replacement*						60						
Intermediate Clarifier Rehabilitation							1200					
South Skudge Lagoon Cleanout							200					
Grit Washer #1 and Meter Replacement*							225					
Final Clarifier Rehabilitation								4800				
Grit Washer #2 and Effluent Meter Replacement*								225				
Stormwater Plant Bypass and Grit Collection System Upgrade									2300			
Carbo RAS Meter & RAS VFD Replacement*									210			
Grit Removal Chamber #1 Replacement*										225		
Grit Removal Chamber #2 & Blower Replacement*											345	
Anticipated Future Projects per the 20 Year 2013 Facility Plan.												
Biological Nitrogen Removal												30000
Project Total	5102	7801	3873	5443	4149	4203	2908	6365	3871	1473	1752	31215
IFT/DEBT SERVICES / PROJ TOTAL	6169	9933	5505	7132	5902	5956	4343	7481	4987	2589	2869	32332
Cash on Hand 1/1	5550	6992	2554	2658	2008	222	(1602)	(1772)	(5039)	(5771)	(4062)	(2591)
Cash on Hand 12/31	1442	(4438)	404	(953)	(1784)	(1824)	(170)	(3267)	(731)	1708	1471	(27939)
	6992	2554	2658	2006	222	(1602)	(1772)	(5039)	(5771)	(4062)	(2591)	(30530)

* = Process Equipment Replacement/Work Done In-House

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

**CY2020
FUND 40
CAPITAL FOOTNOTES**

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

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

(2) Demand Load Response Program (\$26,000)

In CY2018 the EOC approved the Authority to enter into a Demand Load Response program. Since we have the ability to use the backup generators to remove ourselves from the power grid, the power companies ask that we remain available to do so in the event their demand is too high for any given period. For remaining available to do so we are granted some revenue. This is a 6-year program and will end in CY2023, at which point it may be renewed.

(3) Leachate Revenue (\$117,000):

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

(4) Fats Oil & Grease (FOG)/Industrial Waste Tipping Fees (\$75,000)

In CY2016 upon the completion of the Combined Heat and Power Engines and the FOG receiving station, the EOC approved the acceptance of these materials in order to generate revenue (\$0.05/gallon). The program was put on a moratorium in August 2017 during a major biological upset, but was restarted again in April 2018 after thorough research into proper methods, and the program is expected to grow after proper demonstration.

(5) Cell Tower Revenue (\$75,000):

In CY2016 the Authority and the Village of Glen Ellyn negotiated with TowerCo to build a new tower capable of accepting up to four carriers.

The new tower was built in CY2017, and added Verizon as a carrier, therefore adding our anticipated revenue from leasing the land for the cellular tower. In CY2019 TowerCo/the Village allowed for T-Mobile to also be added, increasing the revenue from about \$53,000/year to \$75,000/year. This could be increased if an additional carrier signs onto the tower, as there is still room for one more carrier.

(6) Operating Surplus Transfers (\$449,510):

The EOC approved the audit reported CY2018 O&M surplus to be transferred to the Capital Fund 40 at the July 11, 2019 meeting.

(7) Capital Fund Contributions (\$3,641,050):

The Capital Improvement Fund 40 relies on dedicated contributions from both communities to support GWA capital expenses. Based on Facility Planning efforts during FY2013 and FY2014 the Capital Fund 40 will be increased annually based on project demands for an estimated 20 years. The current rate of increase for the Capital Fund is calculated at 3% annually which is a 3% increase compared to CY2019.

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

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

(9) Facility Improvement (FIP) Debt Payment Actual (Principal & Interest) (\$995,000)

This is the principal and interest payment for the IEPA loan utilized for the 2016 Facility Improvement Project, which included the installation of new tertiary filters, a new raw pump station, and new plant utilities. The total amount of the loan to be paid back is \$16,725,000 to be paid back over 20 years at an interest rate of 1.75%. Substantial Completion of this project is expected in July 2020.

(10) Property Acquisition – Easement Lease (\$500,000)

In CY2020 the Authority has the potential to purchase an adjacent property for future use, and is expected to renew an easement lease for an intercepting sewer with the Forest Preserve of DuPage County.

(11) Rolling Stock (\$39,000):

GWA anticipates replacing a Electrical Fleet Vehicle in CY2020

(12) Small Capital Improvements (\$85,000):

This cost center provides for small capital improvements, such as miscellaneous equipment, materials and small projects. In CY2019, GWA budgeted \$165,000 for this line item.

(13) Infrastructure Improvements (\$97,000):

This cost center provides for various infrastructure improvements throughout the GWA Facilities, which would include underground work on various plant utilities. In CY2019, \$112,000 was budgeted for this item.

(14) Roof Replacements (\$362,000):

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

(15) Plant Equipment Rehabilitation (\$335,000):

This cost center provides for various equipment rehabilitations throughout the GWA Facilities, such as work on sewers and lift stations, and rehabilitating existing equipment. In CY2019, \$340,000 was budgeted for this item.

(16) Atmospheric Vaporizer Lease (\$20,000)

In CY2017 the Authority decommissioned it's aging cryogenic plant that was used to create pure oxygen and begin hauling in liquid oxygen produced offsite. In order to meet the needs of this new process, atmospheric vaporizers were leased, as it was determined more cost effective to lease them than purchase them.

(17) Motor Control Center (MCC) Replacements (\$140,000)

Sufficient replacement funds should be established to support the rehabilitation and replacement efforts necessary to ensure continued operation of all equipment onsite, and to maintain safe electrical equipment. Based on the estimated replacement costs provided in the facility plan, it is recommended that the Authority budget to replace all of the identified equipment over the next ten years. In addition, it is recommended that as part of each capital improvements project that the Authority completes that the MCC's identified be incorporated into the scope of the project. The overall budgeted values should then be updated based on the improvements that have been completed at the end of each year.

(18) Program Logic Controller (PLC) Replacements (\$130,000)

Sufficient replacement funds should be established to support the rehabilitation, repair, and replacement efforts necessary to ensure the continued future reliability of the aging instrumentation and control

equipment, as well as to take advantage of new technology. Based on the estimated replacement costs provided, it is recommended that the Authority budget to replace all of the identified equipment over the next ten years. In addition, it is recommended that as part of each capital improvements project that the Authority completes that the PLC's identified be incorporated into the scope of the project. The overall budgeted values should then be updated based on the improvements that have been completed at the end of each year.

(19) Unox Deck Replacements (\$100,000)

Due to the age and condition of the equipment and structures on the unox deck, the high cost of complete replacement, and the strong possibility of needing a new process due to future regulations – the facility plan recommended budgeting \$100,000 over the next 10 years to anticipate various replacements for failed equipment and rehabilitation of structures.

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

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

(21) Facility Improvements Project (FIP) (Construction: \$2,500,000; Engineering \$150,000):

The FIP project had been awarded to Boller Construction Company of Waukegan, IL in the amount of \$16,725,000 and focuses on the aging infrastructure of our Influent Pumping Station, Sand Filters and underground utility replacements of natural gas and non-potable water lines. The majority of all of these systems are approximately 17 years old with some of the components being original 1977 equipment. The most recent improvement to all of this was to the influent gates for the barscreen and raw pumping station which were replaced in the early 2000's. The main focus at the influent pumping station is to replace the

Raw Pumps, Variable Frequency Drives, Motor Control Centers, and Hydraulic Actuators. The station will be updated with pumps that will be able to reduce impacts to the interceptor sewers during high flow events due to their high head loss suction capabilities. The Sand Filters are being replaced with what is called a disk filter in an effort to remove significant recycles flows, and mechanical maintenance demands. Due to recent complications, the overall project cost is now at \$17,701,258.83, and expected to be complete in July 2020

(22) Electric Service Distribution System Rehabilitation Project
(Construction \$2,500,000; Engineering: \$250,000):

Due to recent electrical failures this project had been moved up to be constructed in CY2019, but due to complexities in design, construction is now anticipated in CY2020. This was identified in our previous 5-year capital project plan in the Facility Plan as being needed. A RFQ/RFP process selected an engineer in CY2018 to perform the design and engineering. This project will be bid in late CY2019 and is anticipated to be \$2.5M with \$250k (10%) in construction engineering fees.

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

more efficient cable testing will be developed in the analyses. The site lighting is aging and appears to be corroding. Replacement of the site lighting will be included in this scope. Any potential incentives or grant funding related to the site lighting or other electrical work shall be explored as well.

(23) Recycled Activated Sludge (RAS) Pump Station Rehabilitation (\$180,000)

Various components of our RAS pump station, such as flow meters that monitor the entire flow through the plant, automated valves, and other associated pumps are in poor condition and in need of replacement. All of this equipment replacement is to be performed in-house.

(24) Grit Pump & Screening Washer/Conveyor Replacement (\$310,000)

The existing grit pumps were installed in 2005 and have an anticipated life of 15 years. Due to the years of pumping recycled sand that was lost from the old sandfilters, these pumps saw much abuse, and one actually failed in CY2019. This replacement was recommended in the Facility Plan. The Screenings washer was installed in 2026, and although this piece of equipment should have a 20-year life, it is in poor shape and in need of replacement. The conveyor for the screenings is beyond its useful life of 20 years after being installed in 1998. All of this equipment replacement is to be performed in-house.

(25) Biosolids Dewatering Equipment Replacement Engineering (\$330,000)

The existing biosolids facility was constructed in 1977 and was last retrofitted in 1991. The majority of the dewatering equipment has an anticipated life of 20 years and is getting past the point of its useful life. The conceptual layout includes two new belt filter presses rated at 200-250 gpm to allow for dewatering only five hours per day, five days per week. The conveyors will be properly sized to convey dewatered sludge from both belt filter presses running simultaneously. The conveyor system will include multiple drop points to allow for discharge across the receiving trailer. A crane system will be included within the project. This budget items is to perform the design engineering of this project and assistance in obtaining an IEPA low interest loan, and prepare for construction in CY2021.

Budget CY2020
Glenbard Treatment Facility
Fund 40 Capital Plan
Capital Improvements Detail

	Estimated CY2019	Budgeting CY2020
PROCEEDS FROM BORROWING	3,000,000	1,500,000
INVESTMENT INCOME	106,458	10,000
CONNECTION FEES - GLEN ELLYN	80,149	25,000
CONNECTION FEES - LOMBARD	47,650	25,000
ENERNOC DEMAND RESPONSE PROGRAM	25,000	26,000
LEACHATE REVENUE	249,579	117,000
FATS OIL & GREASE (FOG) / INDUSTRIAL WASTE TIPPING FEES	80,479	75,000
CELL TOWER REVENUE	55,800	75,000
OPERATING SURPLUS TRANSFERS	449,410	0
PRETREATMENT FINES	0	0
MISCELLANEOUS REVENUE	1,795	1,000
EQUIPMENT REPLACEMENT FUND		
	GLEN ELLYN - 45.51%	1,635,998
	LOMBARD - 54.50%	1,899,002
REVENUES TOTAL:	7,631,319	5,495,050
PRINCIPAL & INTEREST:		
IEPA FIP PRINCIPAL	0	702,042
IEPA FIP INTEREST	0	292,688
IEPA DIGESTER PRINCIPAL	545,395	559,115
IEPA DIGESTER INTEREST	91,607	77,887
PRINCIPAL & INTEREST TOTALS:	637,001	1,631,731
CAPITAL IMPROVEMENTS		
PROPERTY ACQUISITION		
SPENT/ESTIMATED TO SPEND	450,000	500,000
CAPITAL IMPROVEMENT PROJECTS		
VEHICLE AND EQUIPMENT REPLACEMENT	0	39,434
SMALL CAPITAL PROJECTS	120,000	85,000
INFRASTRUCTURE UPGRADES	60,000	97,000
ROOF REPLACEMENTS	136,300	149,000
PLANT EQUIPMENT REHABILITATION	270,000	335,000
CRYO MAINTENANCE/ATMOSPHERIC VAPORIZER PURCHASE OR LEASE	20,000	20,000
MCC REPLACEMENTS	0	140,000
PLC REPLACEMENTS	0	130,000
UNOX DECK REPLACEMENTS	0	100,000
GRIT PUMP & SCREENING WASHER/CONVEYOR REPLACEMENT	0	310,000
FACILITIES PLAN UPDATE/ODOR CONTROL STUDY	18,690	0
ADMINISTRATION BUILDING HVAC REHABILITATION CONSTRUCTION	998,000	0
ADMINISTRATION BUILDING HVAC REHABILITATION CONSTRUCTION ENGINEERING	64,000	0
DUPAGE RIVER SALT CREEK WORKGROUP ASSESSMENT	265,000	273,000
RAS PUMP STATION REHABILITATION	0	180,000
FACILITY IMPROVEMENTS PROJECT	3,000,000	2,500,000
FACILITY IMPROVEMENTS PROJECT CONSTRUCTION ENGINEERING	150,000	150,000
BIOSOLIDS DEWATERING EQUIPMENT REPLACEMENT ENGINEERING	0	330,000
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT CON. ENG	0	250,000
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT	0	2,500,000
CAPITAL IMPROVEMENTS TOTALS:	5,101,990	7,588,434
PRINCIPAL & INTEREST / CAPITAL IMPROVEMENTS TOTALS	6,188,991	9,720,165

Appendix

GLENBARD WASTEWATER AUTHORITY EQUIPMENT REPLACEMENT FUND

5966	Equipment Replacement Flow Split - Total = Half of the Whole	C119 Bdg1	C119 Bdg2	C120 Bdg1	C120 Bdg2
*	Glen Ellyn Flow Split - 41.01%	1,750,000	1,767,500	1,767,500	1,820,525
*	Lombard Flow Split - 58.99%	777,875	752,248	752,248	746,597
	Equipment Replacement Split in Equity - Total = Half of the Whole	1,750,000	1,767,500	1,767,500	1,820,525
	Glen Ellyn Flow Split - 50%	875,000	883,750	883,750	910,263
	Lombard Flow Split - 50%	875,000	883,750	883,750	910,263
	Total	3,500,000	3,535,000	3,535,000	3,641,050

* Indicates Current 5 Year Avg. Flow Split for CY2019

Glenbard Wastewater Authority
Equipment Replacement Fund

* Fund 27 was defined as the Operation & Maintenance Account * Fund 28 was defined as the Capital Account

[illegible]

Original Fund 40 FY1998 through FY2010

Fiscal Year	Chenard 5.0% Shn Elm	Chenard 5.0% Lend Fund	Chenard 5.0% Shn Elm	Stonewater 12% Lend Fund	NIR 2.1% Shn Elm	NIR Lend Fund	NIR Shn Elm	SR 1.5% Shn Elm	Actual Contributions	Percentage Increase	Total Shn Elm	Total Lend Fund	Accumulated Funding
FY(1998)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(1999)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(1999)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2000)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2001)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2002)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2003)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2004)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2005)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2006)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2007)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2008)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2009)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
FY(2010)	\$ 331,352.00	\$ 418,432.00	\$ 418,432.00	\$ 1,207.00	\$ 12,072.00	\$ 32,367.00	\$ 10,965.00	\$ 645,000.00	5%	\$ 254,080.00	\$ 650,350.00	\$ 7,863,717.00	
TOTALS	\$ 3,247,427.76	\$ 4,058,262.56	\$ 4,058,262.56	\$ 11,674.00	\$ 116,740.00	\$ 323,670.00	\$ 109,650.00	\$ 6,450,000.00	5%	\$ 2,540,800.00	\$ 6,503,500.00	\$ 78,637,170.00	

Intermediate Capital Funding FY2011 through FY2013

Division 40	Fiscal Year	Division 41 Glenbard Plant 68.7%	Division 42 Sturmwater Plant 12%	Division 43 SRI 3.1%	Division 44 St. Charles Rd SRI 17.7%	Division 45 Valley View SRI 3.2%	Division 46 SRI 8.3%	Division 47 Sunniway SRI 5.5%	Actual Contributions Less 5%	Percentage Increase	Total		Accumulated Fundings
											Glen Eldon	Lombard	
	2011	1,467,400	254,000	66,200	147,400	45,100	45,100	11,000	2,200,000.00	0%	\$ 1,626,600	\$ 372,300	\$ 30,690,539.00
	2012	1,467,400	264,000	68,200	147,400	45,100	45,100	11,000	2,200,000.00	0%	\$ 1,657,340	\$ 372,360	\$ 32,290,539.00
	2013	1,000,800	208,000	186,800	160,800	48,200	48,200	23,000	2,400,000.00	8%	\$ 1,160,768	\$ 1,239,212	\$ 34,690,539.00
	TOTALS	\$ 3,068,200	\$ 552,000	\$ 142,800	\$ 300,200	\$ 94,300	\$ 94,300	\$ 23,000	\$ 4,600,000.00		\$ 2,228,127.78	\$ 2,371,872.24	

Fund 40 FY2014 through CY2030

Client	Gain Elyn	Lombard	1/2 Half of Actual	Gain Elyn	Split	% Flow Split	1/2 Half of	Actual	Percentage	Total	Total	Accumulated
								Contributions	Increase	Gain Elyn	Lombard	
C (2014)	675,000.00	675,000.00	1,350,000.00	675,000.00	520,433.10	48.50	360,100.00	1,960,200.00	-38%	1,962,000.00	1,362,000.00	36,580,550.00
C (2014)	480,000.00	480,000.00	960,000.00	480,000.00	320,433.10	48.50	240,100.00	1,360,000.00	-38%	1,362,000.00	962,000.00	26,580,550.00
C (2015)	818,750.00	818,750.00	1,637,500.00	818,750.00	607,386.50	48.18	391,500.00	2,330,000.00	40%	2,332,000.00	1,632,000.00	48,437,750.00
C (2015)	852,500.00	852,500.00	1,705,000.00	852,500.00	649,433.00	46.18	429,500.00	2,330,000.00	2%	1,932,881.00	1,694,385.00	45,847,750.00
C (2017)	850,000.00	850,000.00	1,700,000.00	850,000.00	769,750.00	44.25	429,500.00	3,340,000.00	2%	1,601,084.00	1,700,000.00	45,847,750.00
C (2018)	875,000.00	875,000.00	1,750,000.00	875,000.00	972,125.00	44.54	482,500.00	3,340,000.00	2%	1,612,250.00	1,750,000.00	52,647,750.00
C (2019)	883,750.00	883,750.00	1,767,500.00	883,750.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00
C (2020)	910,250.00	910,250.00	1,820,500.00	910,250.00	1,015,250.00	42.56	477,500.00	3,340,000.00	1.0%	1,652,975.00	1,847,125.00	52,647,750.00

* Indicates Actual 5 Year Flow Split

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 replacement fund is 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 FY1992, 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(1988) caused the Glenbard Staff and the Executive Oversight Committee to commit to increasing the Sinking Fund to the Fred Johnson calculated values 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 was 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 1996 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 FY2008 & 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 single 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 format FY2015 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 \$29,800 for a total contribution of \$1,960,200. This is shown as a 38% reduction on the schedule above. The following year CY2015 the contribution continues as scheduled indicating a \$1,308,600 or 40% increase over SY201.
- 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 single 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

TABLE 1. TOTAL WASTEWATER FLOWS AND PERCENTAGES FOR CY2020 BUDGET

	MONTH	TOTAL FLOW MILLION GALS (MG)	GLEN ELLYN FLOW (MG)	PERCENT OF TOTAL	LOMBARD FLOW (MG)	PERCENT OF TOTAL
Y e a r O n e	Jan-14	343.023	153.652	44.79%	189.371	55.21%
	Feb-14	316.547	138.954	43.90%	177.593	56.10%
	Mar-14	520.731	228.751	43.93%	291.98	56.07%
	Apr-14	441.060	201.787	45.75%	239.273	54.25%
	May-14	553.185	257.255	46.50%	295.93	53.50%
	Jun-14	512.987	225.33	43.93%	287.657	56.07%
	Jul-14	436.204	187.492	42.98%	248.712	57.02%
	Aug-14	420.414	167.406	39.82%	253.008	60.18%
	Sep-14	318.223	134.549	42.28%	183.674	57.72%
	Oct-14	309.155	132.35	42.81%	176.805	57.19%
	Nov-14	266.985	115.666	43.32%	151.319	56.68%
	Dec-14	293.723	127.548	43.42%	166.175	56.58%
Y e a r T w o	Jan-15	313.002	130.025	41.54%	182.977	58.46%
	Feb-15	260.791	112.78	43.25%	148.011	56.75%
	Mar-15	403.033	166.466	41.30%	236.567	58.70%
	Apr-15	398.814	173.456	43.49%	225.358	56.51%
	May-15	443.926	187.303	42.19%	256.623	57.81%
	Jun-15	540.440	240.244	44.45%	300.196	55.55%
	Jul-15	335.868	155.714	46.36%	180.154	53.64%
	Aug-15	312.778	136.548	43.66%	176.23	56.34%
	Sep-15	336.494	144.547	42.96%	191.947	57.04%
	Oct-15	258.499	112.427	43.49%	146.072	56.51%
	Nov-15	442.929	185.084	41.79%	257.845	58.21%
	Dec-15	624.384	274.565	43.97%	349.819	56.03%
Y e a r T h r e e	Jan-16	448.026	198.793	44.37%	249.233	55.63%
	Feb-16	353.109	159.869	45.27%	193.240	54.73%
	Mar-16	463.285	192.650	41.58%	270.635	58.42%
	Apr-16	404.293	180.648	44.68%	223.645	55.32%
	May-16	606.741	253.696	41.81%	353.045	58.19%
	Jun-16	359.676	154.490	42.95%	205.186	57.05%
	Jul-16	328.681	138.818	42.23%	189.863	57.77%
	Aug-16	330.953	139.356	42.11%	191.597	57.89%
	Sep-16	252.565	109.721	43.44%	142.844	56.56%
	Oct-16	323.385	136.770	42.29%	186.615	57.71%
	Nov-16	280.226	124.145	44.30%	156.081	55.70%
	Dec-16	333.522	150.090	45.00%	183.432	55.00%
Y e a r F o u r	Jan-17	384.403	156.180	40.63%	228.223	59.37%
	Feb-17	283.491	121.309	42.79%	162.182	57.21%
	Mar-17	428.291	163.067	38.07%	265.224	61.93%
	Apr-17	498.452	192.400	38.60%	306.052	61.40%
	May-17	524.012	218.211	41.64%	305.801	58.36%
	Jun-17	309.589	115.265	37.23%	194.324	62.77%
	Jul-17	313.630	112.004	35.71%	201.626	64.29%
	Aug-17	228.498	84.021	36.77%	144.477	63.23%
	Sep-17	201.378	75.029	37.26%	126.349	62.74%
	Oct-17	577.263	187.698	32.52%	389.565	67.48%
	Nov-17	391.068	136.452	34.89%	254.616	65.11%
	Dec-17	276.902	94.246	34.04%	182.656	65.96%
Y e a r F i v e	Jan-18	381.492	122.602	32.14%	258.890	67.86%
	Feb-18	502.867	175.046	34.81%	327.821	65.19%
	Mar-18	373.514	138.570	37.10%	234.944	62.90%
	Apr-18	372.669	141.336	37.93%	231.333	62.07%
	May-18	481.336	186.327	38.71%	295.009	61.29%
	Jun-18	477.075	186.258	39.04%	290.817	60.96%
	Jul-18	251.469	106.069	42.18%	145.400	57.82%
	Aug-18	280.070	103.967	37.12%	176.103	62.88%
	Sep-18	290.026	110.434	38.08%	179.592	61.92%
	Oct-18	459.853	124.849	27.15%	335.004	72.85%
	Nov-18	295.224	123.642	41.88%	171.582	58.12%
	Dec-18	382.605	161.226	42.14%	221.379	57.86%
	AVERAGE	380.881	156.086	41.01%	224.795	58.99%

SECTION 8.0

PURCHASE OF REAL PROPERTY – 1S641 SUNNYBROOK ROAD

MEMORANDUM

TO: Executive Oversight Committee

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

DATE: October 2, 2019

RE: Property Acquisition
1S641 Sunnybrook Road, Glen Ellyn, Illinois



In late 2018 the property owner at 1S641 Sunnybrook, directly adjacent to GWA to the North (as seen outlined in blue on the enclosed aerial photo), approached the Authority in regards to the purchase of his parcel. Although there is no immediate need for this property, it will most likely eventually have a potential use in the future, therefore consideration was given to purchasing it since it is contiguous with the Authority's existing property line. Per the EOC's direction and authorization in closed sessions, an appraisal was obtained, and negotiations ensued. A deal was agreed upon, with the agreed purchase price of \$450,000, with the additional term that the seller would be allowed to stay at the property for the period of 1-year after the sale without paying a rent. The Authority will not be liable for anything while the seller is still living on the premises, and will not act as a landlord. The Authority's attorney has drafted the proposed enclosed purchase agreement, which the Authority can enter into after the EOC has approved the use of the funds. Also enclosed in the proposed purchase agreement is the proposed post-closing occupancy agreement.

Motion the EOC to authorize the use of capital funds to purchase 1S641 Sunnybrook Road, Glen Ellyn, Illinois for the price of \$450,000. This purchase is included in the 40-580180 capital budget.



1S571

1S601

1S613

1S627

Sunnybrook Rd

1S640

1S641

1S659

940

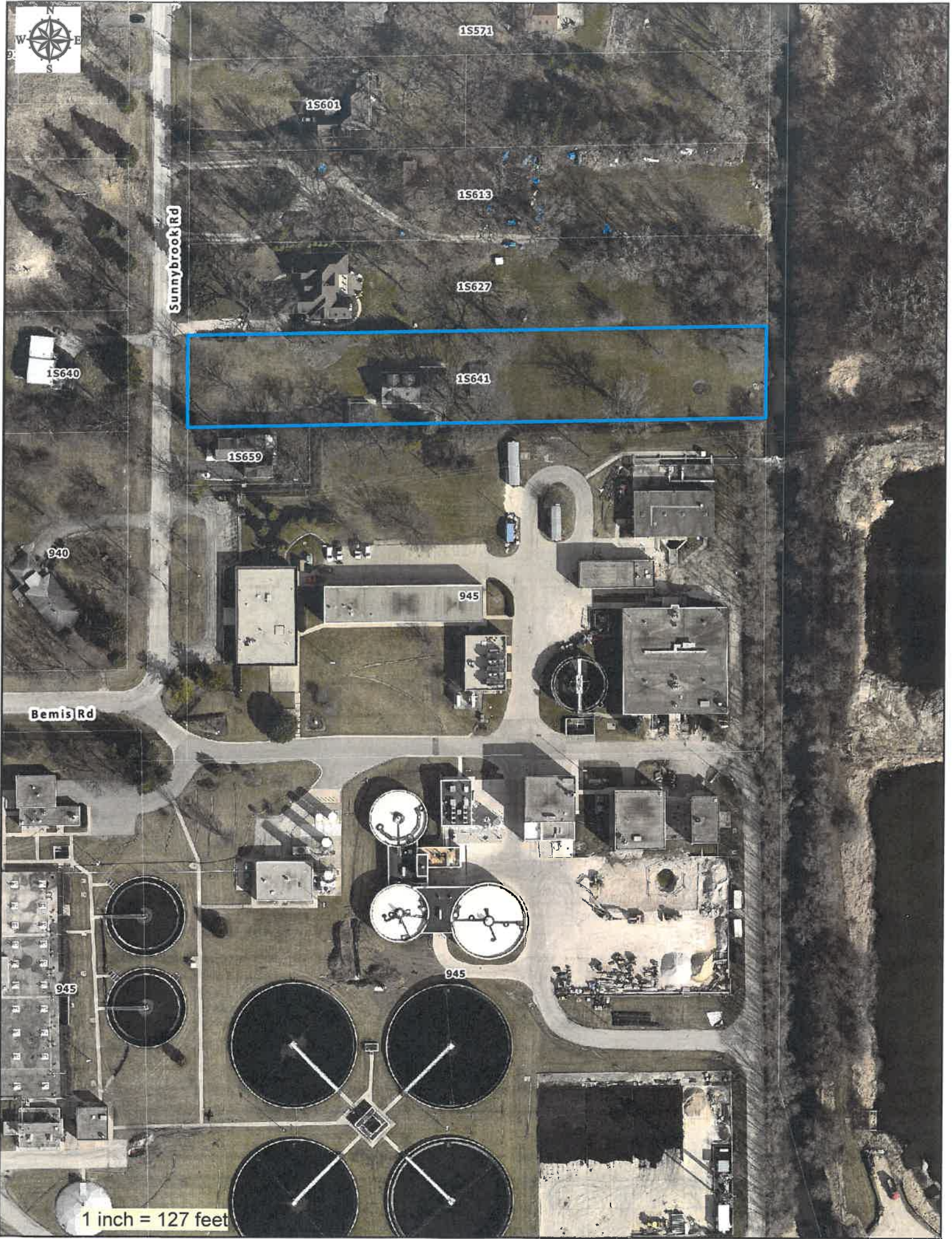
945

Bemis Rd

945

945

1 inch = 127 feet





MULTI-BOARD RESIDENTIAL REAL ESTATE CONTRACT 7.0



1. THE PARTIES: Buyer and Seller are hereinafter referred to as the "Parties."

Buyer Name(s) [PLEASE PRINT] Village of Glen Ellyn

Seller Name(s) [PLEASE PRINT] Danielle R. Wetzel

If Dual Agency applies, check here ☐ and complete Optional Paragraph 29.

2. THE REAL ESTATE: Real Estate is defined as the property, all improvements, the fixtures and Personal Property included therein. Seller agrees to convey to Buyer or to Buyer's designated grantee, the Real Estate with approximate lot size or acreage of 100' x 626'/1.44 acres commonly known as:

1S641 Sunnybrook Road Glen Ellyn IL 60137
Address Unit # (If applicable) City State Zip County

Permanent Index Number(s): 05-24-302-015 ☐ Single Family Attached ☐ Single Family Detached ☐ Multi-Unit

If Designated Parking is Included: # of space(s) _____; identified as space(s) # _____; location _____

[CHECK TYPE] ☐ deeded space, PIN: _____ ☐ limited common element ☐ assigned space.

If Designated Storage is Included: # of space(s) _____; identified as space(s) # _____; location _____

[CHECK TYPE] ☐ deeded space, PIN: _____ ☐ limited common element ☐ assigned space.

3. FIXTURES AND PERSONAL PROPERTY AT NO ADDED VALUE: All of the fixtures and included Personal Property are owned by Seller and to Seller's knowledge are in operating condition on Date of Acceptance, unless otherwise stated herein. Seller agrees to transfer to Buyer all fixtures, all heating, electrical, plumbing, and well systems together with the following items at no added value by Bill of Sale at Closing [CHECK OR ENUMERATE APPLICABLE ITEMS]:

<input type="checkbox"/> Refrigerator	<input type="checkbox"/> Wine/Beverage Refrigerator	<input type="checkbox"/> Light Fixtures, as they exist	<input type="checkbox"/> Fireplace Gas Log(s)
<input type="checkbox"/> Oven/Range/Stove	<input type="checkbox"/> Sump Pump(s)	<input type="checkbox"/> Built-in or attached shelving	<input type="checkbox"/> Smoke Detectors
<input type="checkbox"/> Microwave	<input type="checkbox"/> Water Softener (unless rented)	<input type="checkbox"/> All Window Treatments & Hardware	<input type="checkbox"/> Carbon Monoxide Detectors
<input type="checkbox"/> Dishwasher	<input type="checkbox"/> Central Air Conditioning	<input type="checkbox"/> Satellite Dish	<input type="checkbox"/> Invisible Fence System, Collar & Box
<input type="checkbox"/> Garbage Disposal	<input type="checkbox"/> Central Humidifier	<input type="checkbox"/> Wall Mounted Brackets (AV/TV)	<input type="checkbox"/> Garage Door Opener(s)
<input type="checkbox"/> Trash Compactor	<input type="checkbox"/> Central Vac & Equipment	<input type="checkbox"/> Security System(s) (unless rented)	<input type="checkbox"/> with all Transmitters
<input type="checkbox"/> Washer	<input type="checkbox"/> All Tacked Down Carpeting	<input type="checkbox"/> Intercom System	<input type="checkbox"/> Outdoor Shed
<input type="checkbox"/> Dryer	<input type="checkbox"/> Existing Storms & Screens	<input type="checkbox"/> Electronic or Media Air Filter(s)	<input type="checkbox"/> Outdoor Playset(s)
<input type="checkbox"/> Attached Gas Grill	<input type="checkbox"/> Window Air Conditioner(s)	<input type="checkbox"/> Backup Generator System	<input type="checkbox"/> Planted Vegetation
<input type="checkbox"/> Water Heater	<input type="checkbox"/> Ceiling Fan(s)	<input type="checkbox"/> Fireplace Screens/Doors/Grates	<input type="checkbox"/> Hardscape

Other Items Included at No Added Value: N/A

Items Not Included: N/A

Seller warrants to Buyer that all fixtures, systems and Personal Property included in this Contract shall be in operating condition at Possession except: _____

A system or item shall be deemed to be in operating condition if it performs the function for which it is intended, regardless of age, and does not constitute a threat to health or safety.

If Home Warranty applies, check here ☐ and complete Optional Paragraph 32.

4. PURCHASE PRICE AND PAYMENT: The Purchase Price is \$ 450,000. After the payment of Earnest Money as provided below, the balance of the Purchase Price, as adjusted by prorations, shall be paid at Closing in "Good Funds" as defined by law.

a) CREDIT AT CLOSING: [IF APPLICABLE] Provided Buyer's lender permits such credit to show on the final settlement statement or lender's closing disclosure, and if not, such lesser amount as the lender permits, Seller agrees to credit \$ N/A to Buyer at Closing to be applied to prepaid expenses, closing costs or both.

b) EARNEST MONEY: Earnest Money of \$ 9,000 shall be tendered to Escrowee on or before 10 Business Days after Date of Acceptance. Additional Earnest Money, if any, of \$ _____ shall be tendered by _____, 20____. Earnest Money shall be held in trust for the mutual benefit of the Parties by _____

Buyer Initial WJ Buyer Initial _____

Seller Initial DW Seller Initial _____

Address: 1S641 Sunnybrook Rd., Glen Ellyn 60137; 05-24-302-015

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45 [CHECK ONE]: ☐ Seller's Brokerage; ☐ Buyer's Brokerage; ☐ As otherwise agreed by the Parties, as "Escrowee."
46 In the event the Contract is declared null and void or is terminated, Earnest Money shall be disbursed pursuant to Paragraph 26.

47 c) BALANCE DUE AT CLOSING: The Balance Due at Closing shall be the Purchase Price, plus or minus
48 prorations, less Earnest Money paid, less any credits at Closing, and shall be payable in Good Funds at Closing.

49 5. CLOSING: Closing shall be on October 30, 20 19 or at such time as mutually agreed by the Parties in
50 writing. Closing shall take place at the escrow office of the title insurance company, its underwriter, or its issuing
51 agent that will issue the Owner's Policy of Title Insurance, whichever is situated nearest the Real Estate.

52 6. POSSESSION: Unless otherwise provided in Optional Paragraph 35, Seller shall deliver possession to Buyer at
53 Closing. Possession shall be deemed to have been delivered when Seller and all occupants (if any) have vacated
54 the Real Estate and delivered keys to the Real Estate to Buyer or to the office of the Seller's Brokerage.

55 7. FINANCING: [INITIAL ONLY ONE OF THE FOLLOWING SUBPARAGRAPHS a, b, or c]

56 _____ a) LOAN CONTINGENCY: Not later than forty-five (45) days after Date of Acceptance or five
57 (5) Business Days prior to the date of Closing, whichever is earlier, ("Loan Contingency Date") Buyer shall
58 provide written evidence from Buyer's licensed lending institution confirming that Buyer has received loan
59 approval subject only to "at close" conditions, matters of title, survey, and matters within Buyer's control for a loan
60 as follows: [CHECK ONE] ☐ fixed; ☐ adjustable; [CHECK ONE] ☐ conventional; ☐ FHA; ☐ VA; ☐ USDA;
61 ☐ other _____ loan for _____ % of the Purchase Price, plus private mortgage insurance (PMI),
62 if required, with an interest rate (initial rate if an adjustable rate mortgage used) not to exceed _____ % per annum,
63 amortized over not less than _____ years. Buyer shall pay discount points not to exceed _____ % of the loan amount.
64 Buyer shall pay origination fee(s), closing costs charged by lender, and title company escrow closing fees.

65 If Buyer, having applied for the loan specified above, is unable to provide such loan approval and serves Notice to
66 Seller not later than the Loan Contingency Date, this Contract shall be null and void. If Buyer is unable to provide
67 such written evidence not later than the date specified herein or by any extension date agreed to by the Parties,
68 Seller shall have the option of declaring this Contract terminated by giving Notice to Buyer. If prior to the Seller
69 serving such Notice to terminate, Buyer provides written evidence of such loan approval, this Contract shall remain
70 in full force and effect.

71 Upon the expiration of ten (10) Business Days after Date of Acceptance, if Buyer has failed to make a loan
72 application and pay all fees required for such application to proceed and the appraisal to be performed, Seller shall
73 have the option to declare this Contract terminated by giving Notice to Buyer not later than five (5) Business Days
74 thereafter or any extension thereof agreed to by the Parties in writing.

75 A Party causing delay in the loan approval process shall not have the right to terminate under this
76 subparagraph. In the event neither Party elects to declare this Contract terminated as specified above, or as
77 otherwise agreed, then this Contract shall continue in full force and effect without any loan contingencies.

78 Unless otherwise provided in Paragraph 30, this Contract is not contingent upon the sale and/or closing of
79 Buyer's existing real estate. Buyer shall be deemed to have satisfied the financing conditions of this subparagraph
80 if Buyer obtains a loan approval in accordance with the terms of this subparagraph even though the loan is
81 conditioned on the sale and/or closing of Buyer's existing real estate.

82 If Buyer is seeking FHA, VA, or USDA financing, required amendments and disclosures shall be attached to this
83 Contract. If VA, the Funding Fee, or if FHA, the Mortgage Insurance Premium (MIP), shall be paid by Buyer.

84 ALL CASH b) CASH TRANSACTION WITH NO MORTGAGE: [ALL CASH] If this selection is made, Buyer will pay
85 at Closing, in the form of "Good Funds," the Balance Due at Closing. Buyer represents to Seller, as of the Date of Offer,
86 that Buyer has sufficient funds available to satisfy the provisions of this subparagraph. Buyer agrees to verify the above
87 representation upon the reasonable request of Seller and to authorize the disclosure of such financial information to
88 Seller, Seller's attorney or Seller's broker that may be reasonably necessary to prove the availability of sufficient funds

Buyer Initial [Signature] Buyer Initial _____ Seller Initial [Signature] Seller Initial _____
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to close. Buyer understands and agrees that, so long as Seller has fully complied with Seller's obligations under this Contract, any act or omission outside of the control of Seller, whether intentional or not, that prevents Buyer from satisfying the Balance Due at Closing, shall constitute a material breach of this Contract by Buyer. The Parties shall share the title company escrow closing fee equally. Unless otherwise provided in Paragraph 30, this Contract shall not be contingent upon the sale and/or closing of Buyer's existing real estate.

____ c) CASH TRANSACTION, MORTGAGE ALLOWED: If this selection is made, Buyer will pay at closing, in the form of "Good Funds," the Balance Due at Closing. Buyer represents to Seller, as of the Date of Offer, that Buyer has sufficient funds available to satisfy the provisions of this subparagraph. Buyer agrees to verify the above representation upon the reasonable request of Seller and to authorize the disclosure of such financial information to Seller, Seller's attorney or Seller's broker that may be reasonably necessary to prove the availability of sufficient funds to close. Notwithstanding such representation, Seller agrees to reasonably and promptly cooperate with Buyer so that Buyer may apply for and obtain a mortgage loan or loans including but not limited to providing access to the Real Estate to satisfy Buyer's obligations to pay the Balance Due at Closing. Such cooperation shall include the performance in a timely manner of all of Seller's pre-closing obligations under this Contract. This Contract shall NOT be contingent upon Buyer obtaining financing. Buyer understands and agrees that, so long as Seller has fully complied with Seller's obligations under this Contract, any act or omission outside of the control of Seller, whether intentional or not, that prevents Buyer from satisfying the Balance Due at Closing shall constitute a material breach of this Contract by Buyer. Buyer shall pay the title company escrow closing fee if Buyer obtains a mortgage; provided however, if Buyer elects to close without a mortgage loan, the Parties shall share the title company escrow closing fee equally. Unless otherwise provided in Paragraph 30, this Contract shall not be contingent upon the sale and/or closing of Buyer's existing real estate.

8. STATUTORY DISCLOSURES: If applicable, prior to signing this Contract, Buyer:

[CHECK ONE] ☐ has ☐ has not received a completed Illinois Residential Real Property Disclosure;
[CHECK ONE] ☐ has ☐ has not received the EPA Pamphlet, "Protect Your Family From Lead In Your Home;"
[CHECK ONE] ☐ has ☐ has not received a Lead-Based Paint Disclosure;
[CHECK ONE] ☐ has ☐ has not received the IEMA, "Radon Testing Guidelines for Real Estate Transactions;"
[CHECK ONE] ☐ has ☐ has not received the Disclosure of Information on Radon Hazards.

9. PRORATIONS: The requirements contained in this paragraph shall survive the Closing. Proratable items shall be prorated to and including the Date of Closing and shall include without limitation, general real estate taxes, rents and deposits (if any) from tenants; Special Service Area or Special Assessment Area tax for the year of Closing only; utilities, water and sewer, pre-purchased fuel; and Homeowner or Condominium Association fees (and Master/Umbrella Association fees, if applicable). Accumulated reserves of a Homeowner/Condominium Association(s) are not a proratable item.

a) The general real estate taxes shall be prorated to and including the date of Closing based on 105 % of the most recent ascertainable full year tax bill. All general real estate tax prorations shall be final as of Closing, except as provided in Paragraph 23. If the amount of the most recent ascertainable full year tax bill reflects a homeowner, senior citizen, disabled veteran or other exemption, a senior freeze or senior deferral, then Seller has submitted or will submit in a timely manner all necessary documentation to the appropriate governmental entity, before or after Closing, to preserve said exemption(s). The proration shall not include exemptions to which the Seller is not lawfully entitled.

b) Seller represents, if applicable, that as of Date of Acceptance Homeowner/Condominium Association(s) fees are \$ N/A per _____ (and, if applicable, Master/Umbrella Association fees are \$ _____ per _____). Seller agrees to pay prior to or at Closing the remaining balance of any special assessments by the Association(s) confirmed prior to Date of Acceptance.

Buyer Initial MB Buyer Initial _____

Seller Initial [Signature] Seller Initial _____

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133 c) Special Assessment Area or Special Service Area installments due after the year of Closing shall not be
134 proratable items and shall be paid by Buyer, unless otherwise provided by ordinance or statute.

135 10. ATTORNEY REVIEW: Within five (5) Business Days after Date of Acceptance, the attorneys for the respective
136 Parties, by Notice, may:

137 a) Approve this Contract; or

138 b) Disapprove this Contract, which disapproval shall not be based solely upon the Purchase Price; or

139 c) Propose modifications to this Contract, except for the Purchase Price, which proposal shall be conclusively
140 deemed a counteroffer notwithstanding any language contained in any such proposal purporting to state the
141 proposal is not a counteroffer. If after expiration of ten (10) Business Days after Date of Acceptance written
142 agreement has not been reached by the Parties with respect to resolution of all proposed modifications, either
143 Party may terminate this Contract by serving Notice, whereupon this Contract shall be immediately deemed
144 terminated; or

145 d) Offer proposals specifically referring to this subparagraph d) which shall not be considered a counteroffer.
146 Any proposal not specifically referencing this subparagraph d) shall be deemed made pursuant to
147 subparagraph c) as a modification. If proposals made with specific reference to this subparagraph d) are not
148 agreed upon, neither Buyer nor Seller may declare this contract null and void, and this contract shall remain
149 in full force and effect.

150 If Notice of disapproval or proposed modifications is not served within the time specified herein, the
151 provisions of this paragraph shall be deemed waived by the Parties and this Contract shall remain in full force
152 and effect. If Notice of termination is given, said termination shall be absolute and the Contract rendered null
153 and void upon the giving of Notice, notwithstanding any language proffered by any Party purporting to permit
154 unilateral reinstatement by withdrawal of any proposal(s).

155 11. WAIVER OF PROFESSIONAL INSPECTIONS: [INITIAL IF APPLICABLE] _____ Buyer acknowledges
156 the right to conduct inspections of the Real Estate and hereby waives the right to conduct any such inspections of
157 the Real Estate, and further agrees that the provisions of Paragraph 12 shall not apply.

158 ~~12. PROFESSIONAL INSPECTIONS AND INSPECTION NOTICES: [NOT APPLICABLE IF PARAGRAPH 11 IS INITIALED]~~
159 ~~Buyer may conduct at Buyer's expense (unless payment for such expense is otherwise required by governmental~~
160 ~~regulation) any or all of the following inspections of the Real Estate by one or more licensed or certified inspection~~
161 ~~services: home, radon, environmental, lead-based paint, lead-based paint hazards or wood-destroying insect~~
162 ~~infestation, or any other inspections desired by Buyer in the exercise of reasonable due diligence. Seller agrees to~~
163 ~~make all areas of the Real Estate accessible for inspection(s) upon reasonable notice and to have all utilities turned~~
164 ~~on during the time of such inspections. Buyer shall indemnify Seller and hold Seller harmless from and against~~
165 ~~any loss or damage caused by any acts of Buyer or any person performing any inspection on behalf of Buyer.~~

166 ~~a) The request for repairs shall cover only the major components of the Real Estate, limited to central heating~~
167 ~~and cooling system(s), plumbing and well system, electrical system, roof, walls, windows, doors, ceilings,~~
168 ~~floors, appliances and foundation. A major component shall be deemed to be in operating condition, and~~
169 ~~therefore not defective within the meaning of this paragraph, if it does not constitute a current threat to health~~
170 ~~or safety, and performs the function for which it is intended, regardless of age or if it is near or at the end of its~~
171 ~~useful life. Minor repairs, routine maintenance items and painting, decorating or other items of a cosmetic~~
172 ~~nature, no matter the cost to remedy same, do not constitute defects, are not a part of this contingency and shall~~
173 ~~not be a basis for the Buyer to cancel this Contract. A request by Buyer for credits or repairs in violation of~~
174 ~~the terms of this subparagraph shall allow Seller to declare this Contract terminated and direct the return~~
175 ~~of Buyer's Earnest Money. If radon mitigation is performed, Seller shall pay for any retest.~~

Buyer Initial MS Buyer Initial _____

Seller Initial SW Seller Initial _____

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b) Buyer shall serve Notice upon Seller or Seller's attorney of any major component defects disclosed by any inspection for which Buyer requests resolution by Seller within five (5) Business Days (ten (10) calendar days for a lead-based paint or lead-based paint hazard inspection) after Date of Acceptance. Buyer shall not send any portion of the inspection report with the Notice provided under this subparagraph unless such inspection report, or any part thereof, is specifically requested in writing by Seller or Seller's attorney. If after expiration of ten (10) Business Days after Date of Acceptance written agreement has not been reached by the Parties with respect to resolution of all inspection issues, either Party may terminate this Contract by serving Notice to the other Party, whereupon this Contract shall be immediately deemed terminated.

c) Notwithstanding anything to the contrary set forth above in this paragraph, in the event the inspection reveals that the condition of the Real Estate is unacceptable to Buyer and Buyer serves Notice to Seller within five (5) Business Days after Date of Acceptance, this Contract shall be null and void. Said Notice shall not include any portion of the inspection reports unless requested by Seller.

d) Failure of Buyer to conduct said inspection(s) and notify Seller within the time specified operates as a waiver of Buyer's rights to terminate this Contract under this Paragraph 12 and this Contract shall remain in full force and effect.

~~13. HOMEOWNER INSURANCE: This Contract is contingent upon Buyer obtaining evidence of insurability for an Insurance Service Organisation HO-3 or equivalent policy at standard premium rates within ten (10) Business Days after Date of Acceptance. If Buyer is unable to obtain evidence of insurability and serves Notice with proof of same to Seller within the time specified, this Contract shall be null and void. If Notice is not served within the time specified, Buyer shall be deemed to have waived this contingency and this Contract shall remain in full force and effect.~~

~~14. FLOOD INSURANCE: Buyer shall have the option to declare this Contract null and void if the Real Estate is located in a special flood hazard area. If Notice of the option to declare contract null and void is not given to Seller within ten (10) Business Days after Date of Acceptance or by the Loan Contingency Date, whichever is later, Buyer shall be deemed to have waived such option and this Contract shall remain in full force and effect. Nothing herein shall be deemed to affect any rights afforded by the Residential Real Property Disclosure Act.~~

15. CONDOMINIUM/COMMON INTEREST ASSOCIATIONS: [IF APPLICABLE] The Parties agree that the terms contained in this paragraph, which may be contrary to other terms of this Contract, shall supersede any conflicting terms, and shall apply to property subject to the Illinois Condominium Property Act and the Common Interest Community Association Act or other applicable state association law ("Governing Law").

a) Title when conveyed shall be good and merchantable, subject to terms and provisions of the Declaration of Condominium/Covenants, Conditions and Restrictions ("Declaration/CCRs") and all amendments; public and utility easements including any easements established by or implied from the Declaration/CCRs or amendments thereto; party wall rights and agreements; limitations and conditions imposed by the Governing Law; installments due after the date of Closing of general assessments established pursuant to the Declaration/CCRs.

b) Seller shall be responsible for payment of all regular assessments due and levied prior to Closing and for all special assessments confirmed prior to Date of Acceptance.

c) Seller shall notify Buyer of any proposed special assessment or increase in any regular assessment between Date of Acceptance and Closing. The Parties shall have three (3) Business Days to reach agreement relative to payment thereof. Absent such agreement either Party may declare the Contract null and void.

d) Seller shall, within ten (10) Business Days from Date of Acceptance, apply for those items of disclosure upon sale as described in the Governing Law, and provide same in a timely manner, but no later than the time period provided for by law. This Contract is subject to the condition that Seller be able to procure and provide to Buyer a release or waiver of any right of first refusal or other pre-emptive rights to purchase created by the

Buyer Initial guy Buyer Initial _____

Seller Initial W Seller Initial _____

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Declaration/CCRs. In the event the Condominium Association requires the personal appearance of Buyer or additional documentation, Buyer agrees to comply with same.

e) In the event the documents and information provided by Seller to Buyer disclose that the existing improvements are in violation of existing rules, regulations or other restrictions or that the terms and conditions contained within the documents would unreasonably restrict Buyer's use of the Real Estate or would result in financial obligations unacceptable to Buyer in connection with owning the Real Estate, then Buyer may declare this Contract null and void by giving Notice to Seller within five (5) Business Days after the receipt of the documents and information required by this paragraph, listing those deficiencies which are unacceptable to Buyer. If Notice is not served within the time specified, Buyer shall be deemed to have waived this contingency, and this Contract shall remain in full force and effect.

f) Seller shall provide a certificate of insurance showing Buyer and Buyer's mortgagee, if any, as an insured.

16. THE DEED: Seller shall convey or cause to be conveyed to Buyer or Buyer's designated grantee good and merchantable title to the Real Estate by recordable Warranty Deed, with release of homestead rights, (or the appropriate deed if title is in trust or in an estate), and with real estate transfer stamps to be paid by Seller (unless otherwise designated by local ordinance). Title when conveyed will be good and merchantable, subject only to: covenants, conditions and restrictions of record and building lines and easements, if any, provided they do not interfere with the current use and enjoyment of the Real Estate; and general real estate taxes not due and payable at the time of Closing. Buyer's attorney, at Buyer's expense, shall prepare deed and all other customary closing documents.

17. MUNICIPAL ORDINANCE, TRANSFER TAX, AND GOVERNMENTAL COMPLIANCE:

a) The Parties are cautioned that the Real Estate may be situated in a municipality that has adopted a pre-closing inspection or disclosure requirement, municipal Transfer Tax or other similar ordinances. Cost of transfer taxes, inspection fees, and any repairs required by an inspection pursuant to municipal ordinance shall be paid by the Party designated in such ordinance unless otherwise agreed to by the Parties.

b) The Parties agree to comply with the reporting requirements of the applicable sections of the Internal Revenue Code, the Foreign Investment in Real Property Tax Act (FIRPTA), and the Real Estate Settlement Procedures Act of 1974, as amended.

18. TITLE: At Seller's expense, Seller will deliver or cause to be delivered to Buyer or Buyer's attorney within customary time limitations and sufficiently in advance of Closing, as evidence of title in Seller or Grantor, a title commitment for an ALTA title insurance policy in the amount of the Purchase Price with extended coverage by a title company licensed to operate in the State of Illinois, issued on or subsequent to Date of Acceptance, subject only to items listed in Paragraph 16 and shall cause a title policy to be issued with an effective date as of Closing. The requirement to provide extended coverage shall not apply if the Real Estate is vacant land. The commitment for title insurance furnished by Seller will be presumptive evidence of good and merchantable title as therein shown, subject only to the exceptions therein stated. If the title commitment discloses any unpermitted exceptions or if the Plat of Survey shows any encroachments or other survey matters that are not acceptable to Buyer, then Seller shall have said exceptions, survey matters or encroachments removed, or have the title insurer commit to either insure against loss or damage that may result from such exceptions or survey matters or insure against any court-ordered removal of the encroachments. If Seller fails to have such exceptions waived or insured over prior to Closing, Buyer may elect to take title as it then is with the right to deduct from the Purchase Price prior encumbrances of a definite or ascertainable amount. Seller shall furnish to Buyer at Closing an Affidavit of Title covering the date of Closing, and shall sign any other customary forms required for issuance of an ALTA Insurance Policy. Buyer's attorney shall order title insurance, and arrange for closing and escrow at First American Title (Wheaton office).

19. PLAT OF SURVEY: Not less than one (1) Business Day prior to Closing, except where the Real Estate is a condominium, Seller shall, at Seller's expense, furnish to Buyer or Buyer's attorney a Plat of Survey that conforms

Buyer Initial MB Buyer Initial _____

Seller Initial BW Seller Initial _____

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264 to the current Minimum Standard of Practice for boundary surveys, is dated not more than six (6) months prior to
265 the date of Closing, and is prepared by a professional land surveyor licensed to practice land surveying under the
266 laws of the State of Illinois. The Plat of Survey shall show visible evidence of improvements, rights of way,
267 easements, use and measurements of all parcel lines. The land surveyor shall set monuments or witness corners at
268 all accessible corners of the land. All such corners shall also be visibly staked or flagged. The Plat of Survey shall
269 include the following statement placed near the professional land surveyor's seal and signature: "This professional
270 service conforms to the current Illinois Minimum Standards for a boundary survey." A Mortgage Inspection, as
271 defined, is not a boundary survey and is not acceptable.

272 ~~20. DAMAGE TO REAL ESTATE OR CONDEMNATION PRIOR TO CLOSING: If prior to delivery of the deed the Real~~
273 ~~Estate shall be destroyed or materially damaged by fire or other casualty, or the Real Estate is taken by~~
274 ~~condemnation, then Buyer shall have the option of either terminating this Contract (and receiving a refund of~~
275 ~~Earnest Money) or accepting the Real Estate as damaged or destroyed, together with the proceeds of the~~
276 ~~condemnation award or any insurance payable as a result of the destruction or damage, which gross proceeds~~
277 ~~Seller agrees to assign to Buyer and deliver to Buyer at Closing. Seller shall not be obligated to repair or replace~~
278 ~~damaged improvements. The provisions of the Uniform Vendor and Purchaser Risk Act of the State of Illinois shall~~
279 ~~be applicable to this Contract, except as modified by this paragraph.~~

280 21. CONDITION OF REAL ESTATE AND INSPECTION: Seller agrees to leave the Real Estate in broom clean condition.
281 All refuse and personal property that is not to be conveyed to Buyer shall be removed from the Real Estate at
282 Seller's expense prior to delivery of Possession. Buyer shall have the right to inspect the Real Estate, fixtures and
283 included Personal Property prior to Possession to verify that the Real Estate, improvements and included Personal
284 Property are in substantially the same condition as of Date of Acceptance, normal wear and tear excepted.

285 22. SELLER REPRESENTATIONS: Seller's representations contained in this paragraph shall survive the Closing.
286 Seller represents that with respect to the Real Estate, Seller has no knowledge of, nor has Seller received any written
287 notice from any association or governmental entity regarding:

- 288 a) zoning, building, fire or health code violations that have not been corrected;
- 289 b) any pending rezoning;
- 290 c) boundary line disputes;
- 291 d) any pending condemnation or Eminent Domain proceeding;
- 292 e) easements or claims of easements not shown on the public records;
- 293 f) any hazardous waste on the Real Estate;
- 294 g) real estate tax exemption(s) to which Seller is not lawfully entitled; or
- 295 h) any improvements to the Real Estate for which the required initial and final permits were not obtained.

296 Seller further represents that:

297 (INITIALS) MS There [CHECK ONE] ☐ are ☒ are not improvements to the Real Estate which are not
298 included in full in the determination of the most recent tax assessment.

299 (INITIALS) MS There [CHECK ONE] ☐ are ☒ are not improvements to the Real Estate which are eligible
300 for the home improvement tax exemption.

301 (INITIALS) MS There [CHECK ONE] ☐ is ☒ is not an unconfirmed pending special assessment affecting
302 the Real Estate by any association or governmental entity payable by Buyer after the date of Closing.

303 (INITIALS) MS The Real Estate [CHECK ONE] ☐ is ☒ is not located within a Special Assessment Area or
304 Special Service Area, payments for which will not be the obligation of Seller after the year in which the Closing occurs.

305 All Seller representations shall be deemed re-made as of Closing. If prior to Closing Seller becomes aware of
306 matters that require modification of the representations previously made in this Paragraph 22, Seller shall

Buyer Initial MS Buyer Initial _____

Seller Initial MS Seller Initial _____

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307 promptly notify Buyer. If the matters specified in such Notice are not resolved prior to Closing, Buyer may
308 terminate this Contract by Notice to Seller and this Contract shall be null and void.

309 ~~23. REAL ESTATE TAX ESCROW: In the event the Real Estate is improved, but has not been previously taxed for~~
310 ~~the entire year as currently improved, the sum of three percent (3%) of the Purchase Price shall be deposited in~~
311 ~~escrow with the title company with the cost of the escrow to be divided equally by Buyer and Seller and paid at~~
312 ~~Closing. When the exact amount of the taxes to be prorated under this Contract can be ascertained, the taxes shall~~
313 ~~be prorated by Seller's attorney at the request of either Party and Seller's share of such tax liability after proration~~
314 ~~shall be paid to Buyer from the escrow funds and the balance, if any, shall be paid to Seller. If Seller's obligation~~
315 ~~after such proration exceeds the amount of the escrow funds, Seller agrees to pay such excess promptly upon~~
316 ~~demand.~~

317 24. BUSINESS DAYS/HOURS: Business Days are defined as Monday through Friday, excluding Federal holidays.
318 Business Hours are defined as 8 a.m. to 6 p.m. Chicago time. In the event the Closing or Loan Contingency Date
319 described in this Contract does not fall on a Business Day, such date shall be the next Business Day.

320 25. ELECTRONIC OR DIGITAL SIGNATURES: Facsimile or digital signatures shall be sufficient for purposes of
321 executing, negotiating, finalizing, and amending this Contract, and delivery thereof by one of the following
322 methods shall be deemed delivery of this Contract containing original signature(s). An acceptable facsimile
323 signature may be produced by scanning an original, hand-signed document and transmitting same by electronic
324 means. An acceptable digital signature may be produced by use of a qualified, established electronic security
325 procedure mutually agreed upon by the Parties. Transmissions of a digitally signed copy hereof shall be by an
326 established, mutually acceptable electronic method, such as creating a PDF ("Portable Document Format")
327 document incorporating the digital signature and sending same by electronic mail.

328 26. DIRECTION TO ESCROWEE: In every instance where this Contract shall be deemed null and void or if this
329 Contract may be terminated by either Party, the following shall be deemed incorporated: "and Earnest Money
330 refunded upon the joint written direction by the Parties to Escrowee or upon an entry of an order by a court of
331 competent jurisdiction."

332 In the event either Party has declared the Contract null and void or the transaction has failed to close as provided
333 for in this Contract and if Escrowee has not received joint written direction by the Parties or such court order, the
334 Escrowee may elect to proceed as follows:

- 335 a) Escrowee shall give written Notice to the Parties as provided for in this Contract at least fourteen (14) days
336 prior to the date of intended disbursement of Earnest Money indicating the manner in which Escrowee intends
337 to disburse in the absence of any written objection. If no written objection is received by the date indicated in
338 the Notice then Escrowee shall distribute the Earnest Money as indicated in the written Notice to the Parties.
339 If any Party objects in writing to the intended disbursement of Earnest Money then Earnest Money shall be
340 held until receipt of joint written direction from all Parties or until receipt of an order of a court of competent jurisdiction.
- 341 b) Escrowee may file a Suit for Interpleader and deposit any funds held into the Court for distribution after
342 resolution of the dispute between Seller and Buyer by the Court. Escrowee may retain from the funds deposited
343 with the Court the amount necessary to reimburse Escrowee for court costs and reasonable attorney's fees
344 incurred due to the filing of the Interpleader. If the amount held in escrow is inadequate to reimburse Escrowee
345 for the costs and attorney's fees, Buyer and Seller shall jointly and severally indemnify Escrowee for additional
346 costs and fees incurred in filing the Interpleader action.

347 27. NOTICE: Except as provided in Paragraph 30 c) 2) regarding the manner of service for "kick-out" Notices, all
348 Notices shall be in writing and shall be served by one Party or attorney to the other Party or attorney. Notice to
349 any one of the multiple person Party shall be sufficient Notice to all. Notice shall be given in the following manner:

- 350 a) By personal delivery; or

Buyer Initial WB Buyer Initial _____

Seller Initial JN Seller Initial _____

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- b) By mailing to the addresses recited herein on Page 13 by regular mail and by certified mail, return receipt requested. Except as otherwise provided herein, Notice served by certified mail shall be effective on the date of mailing; or
- c) By facsimile transmission. Notice shall be effective as of date and time of the transmission, provided that the Notice transmitted shall be sent on Business Days during Business Hours. In the event Notice is transmitted during non-business hours, the effective date and time of Notice is the first hour of the next Business Day after transmission; or
- d) By e-mail transmission if an e-mail address has been furnished by the recipient Party or the recipient Party's attorney to the sending Party or is shown in this Contract. Notice shall be effective as of date and time of e-mail transmission, provided that, in the event e-mail Notice is transmitted during non-business hours, the effective date and time of Notice is the first hour of the next Business Day after transmission. An attorney or Party may opt out of future e-mail Notice by any form of Notice provided by this Contract; or
- e) By commercial overnight delivery (e.g., FedEx). Such Notice shall be effective on the next Business Day following deposit with the overnight delivery company.
- f) If a Party fails to provide contact information herein, as required, Notice may be served upon the Party's Designated Agent in any of the manners provided above.
- g) The Party serving a Notice shall provide courtesy copies to the Parties' Designated Agents. Failure to provide such courtesy copies shall not render Notice invalid.

28. PERFORMANCE: Time is of the essence of this Contract. In any action with respect to this Contract, the Parties are free to pursue any legal remedies at law or in equity and the prevailing party in litigation shall be entitled to collect reasonable attorney fees and costs from the non-prevailing party as ordered by a court of competent jurisdiction.

THE FOLLOWING NUMBERED PARAGRAPHS ARE A PART OF THIS CONTRACT ONLY IF INITIALED BY THE PARTIES.

29. CONFIRMATION OF DUAL AGENCY: The Parties confirm that they have previously consented to N/A [LICENSEE] acting as a Dual Agent in providing brokerage services on their behalf and specifically consent to Licensee acting as a Dual Agent with regard to the transaction referred to in this Contract.

30. SALE OF BUYER'S REAL ESTATE:

a) **REPRESENTATIONS ABOUT BUYER'S REAL ESTATE:** Buyer represents to Seller as follows:

1) Buyer owns real estate (hereinafter referred to as "Buyer's real estate") with the address of:

<u>945 Bemis Road (Attn: Matt Streicher, Exec. Dir)</u>	<u>Glen Ellyn</u>	<u>IL</u>	<u>60137</u>
Address	City	State	Zip

2) Buyer [CHECK ONE] ☐ has ☒ has not entered into a contract to sell Buyer's real estate.

If Buyer has entered into a contract to sell Buyer's real estate, that contract:

a) [CHECK ONE] ☐ is ☐ is not subject to a mortgage contingency.

b) [CHECK ONE] ☐ is ☐ is not subject to a real estate sale contingency.

c) [CHECK ONE] ☐ is ☐ is not subject to a real estate closing contingency.

3) Buyer [CHECK ONE] ☐ has ☒ has not publicly listed Buyer's real estate for sale with a licensed real estate broker and in a local multiple listing service.

4) If Buyer's real estate is not publicly listed for sale with a licensed real estate broker and in a local multiple listing service, Buyer [CHECK ONE]:

a) ☐ Shall publicly list real estate for sale with a licensed real estate broker who will place it in a local multiple listing service within five (5) Business Days after Date of Acceptance.

[FOR INFORMATION ONLY] Broker: _____

Broker's Address: _____ Phone: _____

b) ☒ Does not intend to list said real estate for sale.

Buyer Initial [Signature] Buyer Initial _____

Seller Initial [Signature] Seller Initial _____

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b) CONTINGENCIES BASED UPON SALE AND/OR CLOSING OF REAL ESTATE:

- 1) This Contract is contingent upon Buyer having entered into a contract for the sale of Buyer's real estate that is in full force and effect as of _____, 20 _____. Such contract should provide for a closing date not later than the Closing Date set forth in this Contract. If Notice is served on or before the date set forth in this subparagraph that Buyer has not procured a contract for the sale of Buyer's real estate, this Contract shall be null and void. If Notice that Buyer has not procured a contract for the sale of Buyer's real estate is not served on or before the close of business on the date set forth in this subparagraph, Buyer shall be deemed to have waived all contingencies contained in this Paragraph 30, and this Contract shall remain in full force and effect. (If this paragraph is used, then the following paragraph must be completed.)
 - 2) In the event Buyer has entered into a contract for the sale of Buyer's real estate as set forth in Paragraph 30 b) 1) and that contract is in full force and effect, or has entered into a contract for the sale of Buyer's real estate prior to the execution of this Contract, this Contract is contingent upon Buyer closing the sale of Buyer's real estate on or before _____, 20 _____. If Notice that Buyer has not closed the sale of Buyer's real estate is served before the close of business on the next Business Day after the date set forth in the preceding sentence, this Contract shall be null and void. If Notice is not served as described in the preceding sentence, Buyer shall have deemed to have waived all contingencies contained in this Paragraph 30, and this Contract shall remain in full force and effect.
 - 3) If the contract for the sale of Buyer's real estate is terminated for any reason after the date set forth in Paragraph 30 b) 1) (or after the date of this Contract if no date is set forth in Paragraph 30 b) 1)), Buyer shall, within three (3) Business Days of such termination, notify Seller of said termination. Unless Buyer, as part of said Notice, waives all contingencies in Paragraph 30 and complies with Paragraph 30 d), this Contract shall be null and void as of the date of Notice. If Notice as required by this subparagraph is not served within the time specified, Buyer shall be in default under the terms of this Contract.
- c) SELLER'S RIGHT TO CONTINUE TO OFFER REAL ESTATE FOR SALE: During the time of this contingency, Seller has the right to continue to show the Real Estate and offer it for sale subject to the following:
- 1) If Seller accepts another bona fide offer to purchase the Real Estate while contingencies expressed in Paragraph 30 b) are in effect, Seller shall notify Buyer in writing of same. Buyer shall then have _____ hours after Seller gives such Notice to waive the contingencies set forth in Paragraph 30 b), subject to Paragraph 30 d).
 - 2) Seller's Notice to Buyer (commonly referred to as a "kick-out" Notice) shall be in writing and shall be served on Buyer, not Buyer's attorney or Buyer's real estate agent. Courtesy copies of such "kick-out" Notice should be sent to Buyer's attorney and Buyer's real estate agent, if known. Failure to provide such courtesy copies shall not render Notice invalid. Notice to any one of a multiple-person Buyer shall be sufficient Notice to all Buyers. Notice for the purpose of this subparagraph only shall be served upon Buyer in the following manner:
 - a) By personal delivery effective at the time and date of personal delivery; or
 - b) By mailing to the address recited herein for Buyer by regular mail and by certified mail. Notice shall be effective at 10 a.m. on the morning of the second day following deposit of Notice in the U.S. Mail; or
 - c) By commercial delivery overnight (e.g., FedEx). Notice shall be effective upon delivery of at 4 p.m. Chicago time on the next delivery day following deposit with the overnight delivery company, whichever first occurs.
 - 3) If Buyer complies with the provisions of Paragraph 30 d) then this Contract shall remain in full force and effect.
 - 4) If the contingencies set forth in Paragraph 30 b) are NOT waived in writing within said time period by Buyer, this Contract shall be null and void.
 - 5) Except as provided in Paragraph 30 c) 2) above, all Notices shall be made in the manner provided by Paragraph 27 of this Contract.
 - 6) Buyer waives any ethical objection to the delivery of Notice under this paragraph by Seller's attorney or representative.

Buyer Initial aw Buyer Initial _____

Seller Initial BN Seller Initial _____

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438 ~~d) WAIVER OF PARAGRAPH 30 CONTINGENCIES: Buyer shall be deemed to have waived the contingencies in~~
439 ~~Paragraph 30 b) when Buyer has delivered written waiver and deposited with the Escrowee additional earnest~~
440 ~~money in the amount of \$ _____ in the form of a cashier's or certified check within the time specified.~~
441 ~~If Buyer fails to deposit the additional earnest money within the time specified, the waiver shall be deemed~~
442 ~~ineffective and this Contract shall be null and void.~~

443 e) BUYER COOPERATION REQUIRED: Buyer authorizes Seller or Seller's agent to verify representations
444 contained in Paragraph 30 at any time, and Buyer agrees to cooperate in providing relevant information.

445 _____ 31. CANCELLATION OF PRIOR REAL ESTATE CONTRACT: In the event either Party has entered
446 into a prior real estate contract, this Contract shall be subject to written cancellation of the prior contract on or before
447 _____, 20 _____. In the event the prior contract is not cancelled within the time specified, this Contract
448 shall be null and void. If prior contract is subject to Paragraph 30 contingencies, Seller's notice to the purchaser
449 under the prior contract should not be served until after Attorney Review and Professional Inspections provisions
450 of this Contract have expired, been satisfied or waived.

451 _____ 32. HOME WARRANTY: Seller shall provide at no expense to Buyer a Home Warranty at a cost of
452 \$ _____. Evidence of a fully pre-paid policy shall be delivered at Closing.

453 _____ 33. WELL OR SANITARY SYSTEM INSPECTIONS: Seller shall obtain at Seller's expense a well
454 water test stating that the well delivers not less than five (5) gallons of water per minute and including a bacteria and
455 nitrate test and/or a septic report from the applicable County Health Department, a Licensed Environmental Health
456 Practitioner, or a licensed well and septic inspector, each dated not more than ninety (90) days prior to Closing, stating
457 that the well and water supply and the private sanitary system are in operating condition with no defects noted. Seller
458 shall remedy any defect or deficiency disclosed by said report(s) prior to Closing, provided that if the cost of
459 remedying a defect or deficiency and the cost of landscaping together exceed \$3,000, and if the Parties cannot reach
460 agreement regarding payment of such additional cost, this Contract may be terminated by either Party. Additional
461 testing recommended by the report shall be obtained at the Seller's expense. If the report recommends additional
462 testing after Closing, the Parties shall have the option of establishing an escrow with a mutual cost allocation for
463 necessary repairs or replacements, or either Party may terminate this Contract prior to Closing. Seller shall deliver a
464 copy of such evaluation(s) to Buyer not less than ten (10) Business Days prior to Closing.

465 _____ 34. WOOD DESTROYING INFESTATION: Notwithstanding the provisions of Paragraph 12, within
466 ten (10) Business Days after Date of Acceptance, Seller at Seller's expense shall deliver to Buyer a written report, dated
467 not more than six (6) months prior to the Date of Closing, by a licensed inspector certified by the appropriate state
468 regulatory authority in the subcategory of termites, stating that there is no visible evidence of active infestation by
469 termites or other wood destroying insects. Unless otherwise agreed between the Parties, if the report discloses
470 evidence of active infestation or structural damage, Buyer has the option within five (5) Business Days of receipt of the
471 report to proceed with the purchase or to declare this Contract null and void.

472 _____ 35. POSSESSION AFTER CLOSING: Possession shall be delivered no later than 11:59 p.m. on the
473 date that is [CHECK ONE] ☐ _____ days after the date of Closing or ☐ _____, 20 ____ ("the Possession Date").
474 Seller shall be responsible for all utilities, contents and liability insurance, and home maintenance expenses until
475 delivery of possession. Seller shall deposit in escrow at Closing with an escrowee as agreed, the sum of \$ _____
476 (if left blank, two percent (2%) of the Purchase Price) and disbursed as follows:

- 477 a) The sum of \$ _____ per day for use and occupancy from and including the day after Closing to
478 and including the day of delivery of Possession if on or before the Possession Date;
479 b) The amount per day equal to three (3) times the daily amount set forth herein shall be paid for each day after
480 the Possession Date specified in this paragraph that Seller remains in possession of the Real Estate; and

Buyer Initial MM Buyer Initial _____

Seller Initial BJ Seller Initial _____

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481 c) The balance, if any, to Seller after delivery of Possession and provided that the terms of Paragraph 21 have
482 been satisfied. Seller's liability under this paragraph shall not be limited to the amount of the possession escrow
483 deposit referred to above. Nothing herein shall be deemed to create a Landlord/Tenant relationship between the Parties.
484 Within 10 days after Acceptance Date/ for environmental hazards,

485 36. "AS IS" CONDITION: This Contract is for the sale and purchase of the Real Estate in its "As Is"
486 condition as of the Date of Offer. Buyer acknowledges that no representations, warranties or guarantees with respect
487 to the condition of the Real Estate have been made by Seller or Seller's Designated Agent other than those known
488 defects, if any, disclosed by Seller. Buyer may conduct at Buyer's expense such inspections as Buyer desires. In that
489 event, Seller shall make the Real Estate available to Buyer's inspector at reasonable times. Buyer shall indemnify Seller
490 and hold Seller harmless from and against any loss or damage caused by the acts of negligence of Buyer or any person
491 performing any inspection. In the event the inspection reveals that the condition of the Real Estate is unacceptable
492 to Buyer and Buyer so notifies Seller within five (5) Business Days after Date of Acceptance, this Contract shall be
493 null and void. Buyer's notice SHALL NOT include a copy of the inspection report, and Buyer shall not be obligated
494 to send the inspection report to Seller absent Seller's written request for same. Failure of Buyer to notify Seller or
495 to conduct said inspection operates as a waiver of Buyer's right to terminate this Contract under this paragraph and
496 this Contract shall remain in full force and effect. Buyer acknowledges that the provisions of Paragraph 12 and the
497 warranty provisions of Paragraph 3 do not apply to this Contract. Nothing in this paragraph shall prohibit the exercise
498 of rights by Buyer in Paragraph 33, if applicable.

498 37. SPECIFIED PARTY APPROVAL: This Contract is contingent upon the approval of the Real
499 Estate by _____ Buyer's Specified Party, within five (5) Business Days after Date
500 of Acceptance. In the event Buyer's Specified Party does not approve of the Real Estate and Notice is given to Seller
501 within the time specified, this Contract shall be null and void. If Notice is not served within the time specified, this
502 provision shall be deemed waived by the Parties and this Contract shall remain in full force and effect.

503 38. ATTACHMENTS: The following attachments, if any, are hereby incorporated into this Contract
504 [IDENTIFY BY TITLE]: Post-Closing Occupancy Agreement
505 _____

506 39. MISCELLANEOUS PROVISIONS: Buyer's and Seller's obligations are contingent upon the
507 Parties entering into a separate written agreement consistent with the terms and conditions set forth herein, and with
508 such additional terms as either Party may deem necessary, providing for one or more of the following [CHECK APPLICABLE BOXES]:

509 <input type="checkbox"/> Articles of Agreement for Deed	<input type="checkbox"/> Assumption of Seller's Mortgage	<input type="checkbox"/> Commercial/Investment
510 <input type="checkbox"/> or Purchase Money Mortgage	<input type="checkbox"/> Cooperative Apartment	<input type="checkbox"/> New Construction
511 <input type="checkbox"/> Short Sale	<input type="checkbox"/> Tax-Deferred Exchange	<input checked="" type="checkbox"/> Vacant Land
512 <input type="checkbox"/> Multi-Unit (4 Units or fewer)	<input type="checkbox"/> Interest Bearing Account	<input type="checkbox"/> Lease Purchase

Buyer Initial MB Buyer Initial _____

Seller Initial SW Seller Initial _____

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513 THE PARTIES ACKNOWLEDGE THAT THIS CONTRACT SHALL BE GOVERNED BY THE LAWS OF THE STATE OF ILLINOIS AND IS SUBJECT TO THE
514 COVENANT OF GOOD FAITH AND FAIR DEALING IMPLIED IN ALL ILLINOIS CONTRACTS.

515 THIS DOCUMENT WILL BECOME A LEGALLY BINDING CONTRACT WHEN SIGNED BY ALL PARTIES AND DELIVERED TO THE PARTIES OR THEIR AGENTS.

516 THE PARTIES REPRESENT THAT THE TEXT OF THIS COPYRIGHTED FORM HAS NOT BEEN ALTERED AND IS IDENTICAL TO THE OFFICIAL MULTI-
517 BOARD RESIDENTIAL REAL ESTATE CONTRACT 7.0.

518 _____
519 Date of Offer _____ DATE OF ACCEPTANCE _____
520 _____
521 Buyer Signature _____ Seller Signature _____
522 _____
523 Buyer Signature _____ Seller Signature _____
524 **Village of Glen Ellyn** _____ **Danielle R. Wetzel** _____
525 Print Buyer(s) Name(s) [REQUIRED] _____ Print Seller(s) Name(s) [REQUIRED] _____
526 **By Matt Streicher - Glenbard Wastewater Auth.** _____ **1S641 Sunnybrook Road** _____
527 Address [REQUIRED] _____ Address [REQUIRED] _____
528 **945 Bemis Road, Glen Ellyn IL 60137** _____ **Glen Ellyn, IL 60137** _____
529 City, State, Zip [REQUIRED] _____ City, State, Zip [REQUIRED] _____
530 **630-790-1901 x126 mstreicher@gbww.org** _____ **jasonsylvester@ymail.com** _____
531 Phone _____ E-mail _____ Phone _____ E-mail _____

532 **FOR INFORMATION ONLY**

533						
534	Buyer's Brokerage	MLS #	State License #	Seller's Brokerage	MLS #	State License #
535						
536	Address	City	Zip	Address	City	Zip
537						
538	Buyer's Designated Agent	MLS #	State License #	Seller's Designated Agent	MLS #	State License #
539						
540	Phone	Fax		Phone	Fax	
541						
542	E-mail			E-mail		
543	Greg Dose	gdose@gsrnh.com				
544	Buyer's Attorney	E-mail		Seller's Attorney	E-mail	
545	835 McClintock Dr. 2nd Fl Burr Ridge IL 60527					62565
546	Address	City	State Zip	Address	City	State Zip
547	630-655-6000		630-655-9808	217-774-3955		
548	Phone	Fax		Phone	Fax	
549						
550	Mortgage Company	Phone		Homeowner's/Condo Association (if any)	Phone	
551						
552	Loan Officer	Phone/Fax		Management Co./Other Contact	Phone	
553						
554	Loan Officer E-mail			Management Co./Other Contact E-mail		

555 **Illinois Real Estate License Law requires all offers be presented in a timely manner; Buyer requests verification that this offer was presented.**
556 **Seller rejection: This offer was presented to Seller on _____, 20__ at ____:____ a.m./p.m. and rejected on _____**
557 **_____, 20__ at ____:____ a.m./p.m. [SELLER INITIALS]**

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560 • DuPage County Bar Association • Heartland REALTORS® Organization • Grundy County Bar Association • Homewood Association of REALTORS® • Illinois Real Estate Lawyers Association • Illini Valley
561 Association of REALTORS® • Kane County Bar Association • Kane County Bar Association • Kane County Bar Association • Kane County Bar Association • Kane County Bar Association
562 North Shore-Barrington Association of REALTORS® • North Suburban Bar Association • Northwest Suburban Bar Association • Oak Park Area Association of REALTORS® • REALTOR® Association of
563 the Fox Valley, Inc. • Three Rivers Association of REALTORS® • Will County Bar Association •

Address: 1S641 Sunnybrook Rd., Glen Ellyn 60137; 05-24-302-015

v7.0

Post-Closing Occupancy Agreement
18641 Sunnybrook Rd., Glen Ellyn, IL 60137; 05-24-302-015

This Post-Closing Occupancy Agreement ("Agreement") is made and entered into as of _____, 2019, by and between the Village of Glen Ellyn ("Owner") and Danielle Wetzel & Jason Sylvester ("Occupants") for the single family home property located at 18641 Sunnybrook Road in Glen Ellyn, Illinois (the "Premises"). This Agreement is made as part of the consideration given to Danielle Wetzel for acquisition of the Premises by Owner in accordance with a real estate purchase contract dated _____, 2019, and a deed dated _____, _____, 2019.

Owner and Occupants hereby agree that Occupants may occupy the Premises on and after _____, 2019, ("Occupancy Date") until _____, 2020, ("Termination Date") without payment of rent subject to the following conditions and requirements:

1. Only Occupants and their children may reside on the Premises.
2. Occupants shall use the Premises for solely residential purposes.
3. Occupants shall not lease or otherwise demise the Premises or any portion of the Premises to any person or entity.
4. Occupants shall not pledge or otherwise encumber the Premises as security for a loan or other obligation.
5. Occupants shall keep the Premises in good repair and shall have all responsibility for maintenance, repair, and replacement of the buildings, improvements, fixtures, equipment, and appliances on the Premises until the Termination Date.
6. Occupants have all responsibility for lawn mowing and other landscape maintenance within the fenced area on the Premises. Owner has responsibility for lawn mowing and other landscape maintenance outside the fenced area.
7. Occupants have all responsibility for snow and ice removal from the driveway and other hard surfaces on the Premises.
8. Occupants have all responsibility for payment for utility services provided to the Premises until the Termination Date, including, but not limited to, electricity, telephone, natural gas, cable television, internet service, potable water, and sanitary sewer. Occupants shall deposit \$1,500 with Owner on or before the Occupancy Date to secure payment of utility services. Owner shall use such funds solely for the purpose of paying for utility services provided to the Premises prior to the Termination Date that Occupants have not paid for, and shall return any unused funds to Occupants within 30 days after the Termination Date.
9. Occupants shall maintain insurance on the Premises for property and personal loss and damage from the Occupancy Date until the Termination Date. Occupants shall defend and hold Owner harmless from any claims for property and personal loss and damage due

to any actions or negligence of Occupants and any other guests or invitees on the Premises.

10. Occupants may move the Termination Date to an earlier date upon 30-days' advance notice to Owner. Occupants shall not occupy the Premises after the Termination Date unless there is a written agreement with Owner to do so.

11. Owner shall pay any real estate taxes levied on the premises after the Occupancy Date.

12. Contact information for Owner and Occupants:

a. For Owner: Village of Glen Ellyn, c/o Glenbard Wastewater Authority, Attn: Executive Director, 945 Bemis Road, Glen Ellyn, IL 60137; 630-790-1901x126; mstreicher@gbww.org

b. For Occupants: Danielle Wetzel & Jason Sylvester, 1S641 Sunnybrook Road, Glen Ellyn, IL 60137; ____ - ____ - ____; jasonsylvester@ymail.com

Signatures:

Village of Glen Ellyn

Danielle Wetzel

By: _____

Mark Franz
Village Manager

Jason Sylvester

SECTION 9.0

DISCUSSION

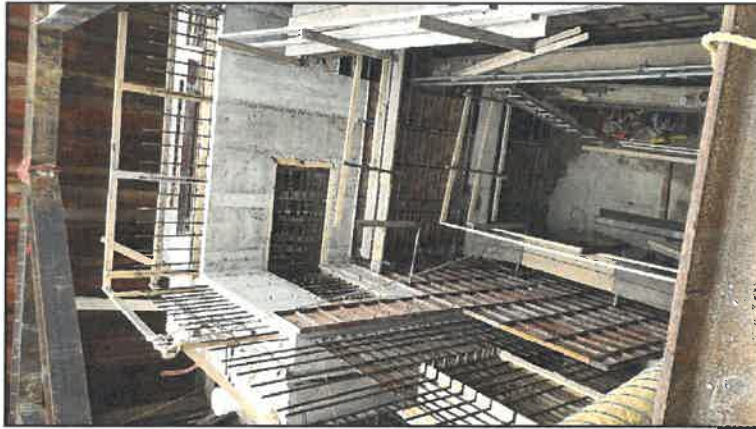
SECTION 9.1

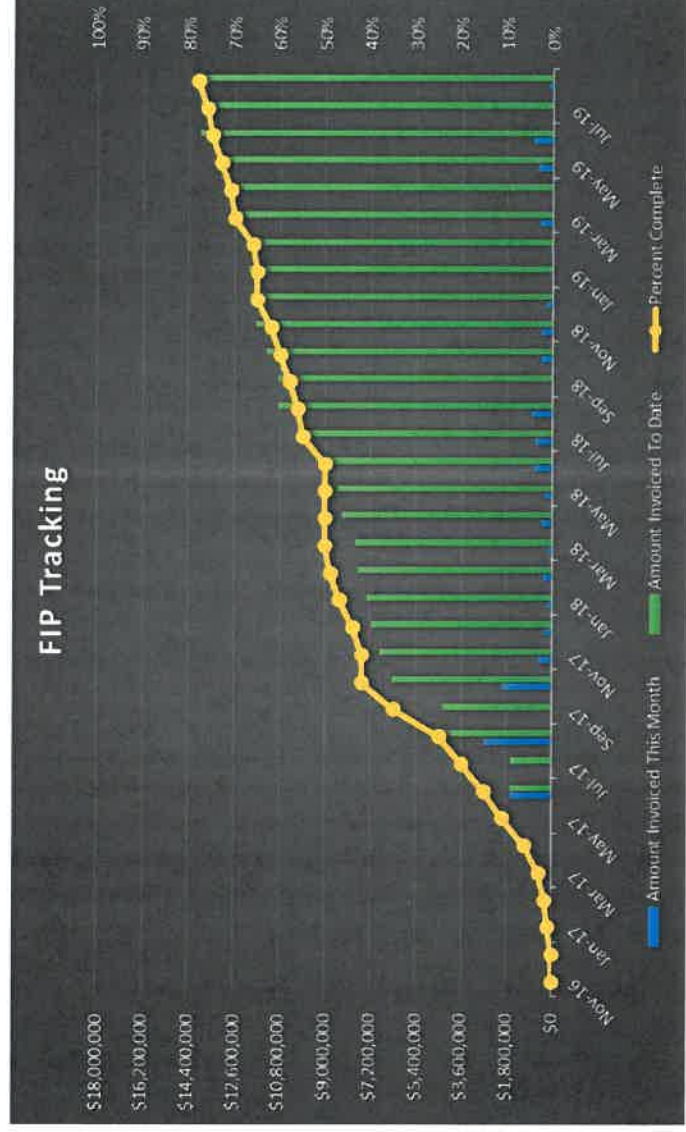
FACILITY IMPROVEMENT PROJECT - UPDATE

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 RFP submitted to Boller.
 - New Raw Pumps Building: Concrete pouring has continued! 24'/36' of walls has been poured.
 - Boxouts remain.
 - Pumping of water continues at over 960 gpm
 - Dewatering cost detail received (\$200k - \$500k)
 - HVAC Work – Building A and C duct complete. Controls in progress.
 - Updated Schedule received – July 29, 2020 completion
 - 293 Submittals
 - 55 Requests for Information
- Work Anticipated Prior to Next EOC Meeting
 - Filter Building punch list update
 - Pump station walls completed
 - Hypo system proposal received



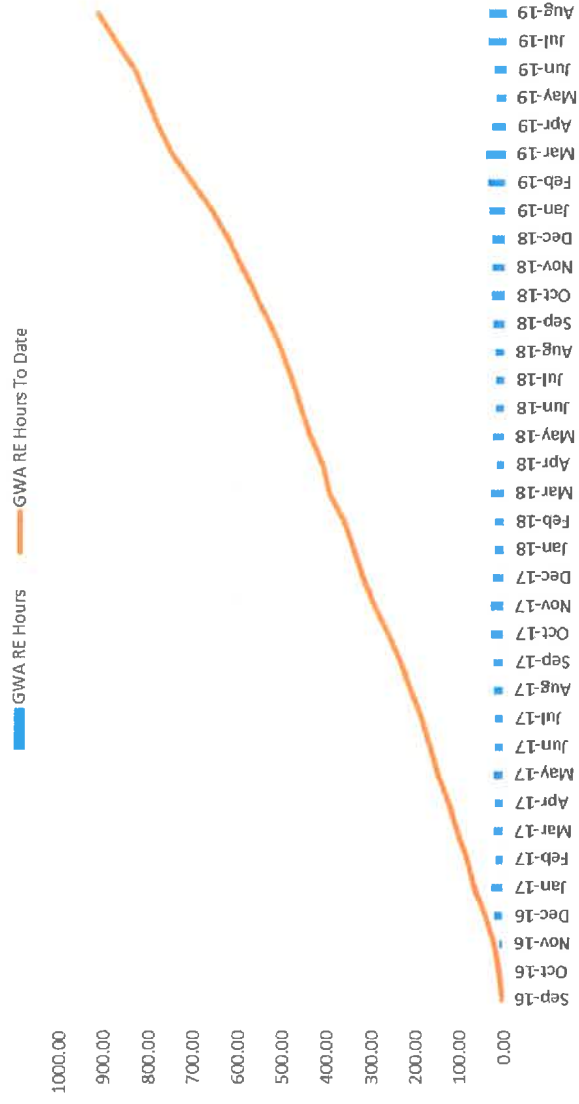




Days Remaining Until Final Completion (07/25/2020): 314



FIP GWA RE Tracking



SECTION 10.0

OTHER BUSINESS

SECTION 10.1

TECHNICAL ADVISORY COMMITTEE UPDATES



Glenbard Wastewater Authority

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

GWA Technical Advisory Committee (TAC) Meeting Agenda

August 15 9:30 am

Present: Director Hansen, Director Goldsmith, Village Manager Niehaus, Tom Romza, Matt Streicher

1. Budget Discussion

a. Draft Budget to be presented to EOC

The draft budget was shared with the TAC, finance directors, and village managers. Mr. Franz had some initial comments/questions that were conveyed to Mr. Streicher via email, to which Mr. Streicher had responded to, and heard no further comment. These comments were shared with the TAC, which were mostly in relation to past expenditures, and future years "anticipated" amounts. The TAC is in support of adopting the presented draft budget, and suggests sharing it with the entire EOC for review.

b. Operating Surplus

Despite that 8 out of the past 10 years GWA has had an operating surplus at an average of \$228,162, the TAC is not in support of budgeting for an operating surplus on an annual basis, since GWA constantly is cutting items in its O&M budget in order to lower budgets. It's very possible on any given year to not have an operating surplus.

2. FIP Update

a. Dewatering Costs

Mr. Romza updated the TAC that Boller has been providing detailed information finally, and as of the end of July, GWA estimates that it owes no less than \$200k for dewatering costs, but potentially up to at least \$400k. GWA intends to negotiate these costs extensively. GWA has also requested Boller look into having the dewatering pumps be purchased instead of continuing to rent, since that is the majority of the ongoing cost.

b. Schedule Update

The most recent schedule shows final completion July 29, 2020

c. Filters Update

Mr. Romza updated the TAC that the manufacturer of the backwash pumps found a defect when they had taken in one of the pumps for inspection. All 6 of GWA's backwash pumps will be fixed with no cost to GWA. The backwash rate issue still remains though, although it is not a problem during the summer season due to increased biological activity, so all parties are waiting until colder water temperatures again.

d. Concrete Pours

Boller had resumed concrete pours Friday, August 9, with pouring the North wall. Now that all the submittals are approved again and rebar has been ordered, GWA expects more regular concrete pours occurring, until the completion of the new structure

e. Disinfection System Anticipated Change Order

i. Hypo Feed Pump Purchase Approval

After thoroughly investigating the options to resolve the issue with the new hypo feed system, Mr. Romza updated the TAC that GWA is choosing to move forward with upsizing the hypo feed pumps instead of re-routing the injection point, based on the two options having similar costs – and the pump upsizing having more favorable outcomes. Since GWA will receive a discount on replacement pumps through the manufacturer's representative, the plan is to request a proposal from the contractor for installing the new pumps, and GWA would purchase the pumps directly. Mr. Streicher requested the

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TAC recommend approving GWA sole sourcing the larger pumps and purchasing them directly from the manufacturer's representative. The TAC approved.

f. Construction Engineering Contract

i. Black & Veatch Proposals

Please see attached notes from Black & Veatch. Mr. Niehaus pointed out that the original engineering contract from B&V was less than 5% of the construction contract, which is well below average for a project of this size. He is in support of adding additional funds but would like to see if they can provide the additional services through the end of construction for the price of \$300k instead of \$324k. The TAC agreed to recommend a \$300k amendment to B&V's contract to the EOC, despite the \$324k request from B&V.

3. Other Business

a. Roofing Project Update

Mr. Romza informed the TAC that the 2019 roofing project would start in approximately 2 weeks.

b. Electrical Grid Design Update

Mr. Romza informed the TAC that GWA is currently reviewing the 90% drawings and will meet with the design engineer the following week. Mr. Streicher informed the TAC that construction for this project is now predicted to start in CY2020

c. HVAC Project Update

Mr. Romza updated the TAC that the timeline of this project will be delayed now due to long lead times on equipment, but is still predicted to start in the next month or two. The first portion of the project will include removing all the ceiling tile in the Admin building, therefore depending on conditions, EOC meetings may be moved elsewhere.

d. Property Acquisition Discussion

Mr. Streicher updated the TAC on the status of the property acquisition at 15641 Sunnybrook, and that it's expected a purchase agreement will be signed at the October 2, 2019 EOC meeting, which would set a closing date of 10/30/2019.

i. Additional Property Available

Mr. Streicher informed the TAC that there is another property for sale on Danby Drive, which is immediately adjacent to the grit building, just West of the plant. Since the Facility Plan recommends evaluating any property on the East side of Danby, the TAC recommended obtaining an appraisal for this property, and reporting back to the TAC.

e. NPDES Renewal

i. Approve Proposal at TAC Level, to go on to Glen Ellyn Village Manager

Mr. Romza presented a proposal from Baxter & Woodman for assistance renewing GWA's NPDES permits for its main plant, CSO, and the sludge permit. Based on previous discussions as to why the formal RFP process was waived, the TAC approved moving forward with the proposal.

f. Thickener Bridge Coating

Mr. Romza updated the TAC that there will be a bid opening for the thickener bridge sandblasting on coating on September 3 at 2pm.

Mr. Streicher inquired with the TAC in regards to old equipment at the plant. Over a year ago, GWA put its old weir brushes up for auction, but had no interested parties. Another WWTP recently saw the old brushes at our plant and asked if they could just have them for free. Since GWA attempted to auction them, Mr. Streicher asked if this would be allowed. The TAC did not agree with just giving them away, and instructed Mr. Streicher to repost them on the auction site, with a \$0 reserve – so that the interested party may bid of them.

4. Old Business

a. On-Call Discussion

No Discussion

b. FPA Amendment Update (Carl)

No discussion

c. Manhole/Sewer Inspections ongoing

No Discussion

d. Pretreatment Ordinance Status/Local limits change



Glenbard Wastewater Authority

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

- i. Local Limits Ordinance Revision Public Notice
- ii. Village of Glen Ellyn
Mr. Streicher confirmed Lombard has all the documents they need. Mr. Streicher informed Director Hansen that GWA's Environmental Resources Coordinator is beginning the work on this and will be in contact with the Village's Water & Sewer Superintendent.
- e. Forest Preserve County of DuPage Easement Leases (Julius)
No Discussion
- f. Discussion pertaining to future development of IGA Language for
GWA Interceptor vs Village's Collection Systems start and stop points.
 - i. VGE – Chidester vs St. Charles Rd. Lift Station
 - ii. VOL – L22 vs Junction Chamber
 - iii. CSO Regulators and lines between the regulators to the facility
 - iv. Any others that can be added*No discussion*

Meeting adjourned @11:07am



Glenbard Wastewater Authority

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

GWA Technical Advisory Committee (TAC) Meeting Agenda
September 19, 2019 9:30 am

Present: Director Goldsmith, Director Hansen, Matt Streicher

1. Budget Discussion

a. Biosolids Dewatering Change

Mr. Streicher informed the TAC that the only change in the budget from previous versions the TAC has seen was that the biosolids dewatering engineering costs have been moved into CY2020, and taken out of the CY2021, in order to expedite the project and help secure IEPA SRF funding. The overall net costs between the two years have not changed, and it has not pushed the budget into negative numbers any sooner than it previously was.

b. Recommend Adoption to EOC

The TAC supports recommending adopting the current version of the budget to the EOC

2. FIP Update

a. Dewatering Costs

Mr. Streicher informed the TAC that the contractor has kept GWA up to date with dewatering costs, and that the only significant ongoing cost at this time is the rental of the dewatering pumps, hoses, and controls. The contractor has asked United Rentals if the pumps have been paid off since they've been paying rental fees for over a year now. Mr. Streicher recalled the contractor stating United Rentals offered \$70k for the contractor to own the equipment, and the contractor countered with offering \$0. GWA still is awaiting the outcome. GWA also is still waiting to negotiate what dewatering costs will be covered by GWA, and at this time estimates those costs to be approximately \$200k, but the contractor has not made any formal requests for the costs – or to negotiate them

b. Schedule Update

The contractor needs to provide an updated schedule. The last schedule had a completion date of July 29, 2020, however GWA anticipates there have been a couple of delays since that schedule was provided, and the completion date may have moved back a couple of weeks.

c. Filters Update

The backwash pumps from the filters are slowly being taken out of service and repaired at no cost to GWA. The backwash rate issue is on hold at the moment since it's suspected it's only a seasonal issue and happens during cold weather when the biology is not as active. Over the warmer months the filters have not been backwashing excessively, but we will wait to see if that starts again during the winter.

d. Concrete Pours

All of the 4' thick walls have been poured, up to 24' high, and the remaining 3' thick walls still will go up another 12-14', and still need to be poured. The center wall dividing the wet well and dry pit also needs to be poured still.

e. Disinfection System Anticipated Change Order

The request for a proposal for the work has been sent to Boller, and requests from other contractors was made by GWA, in order to see competitive pricing. Only one out of the 3 other contractors contacted was willing to provide a cost. Since having a different contractor install the hypo pumps would void warranties on the entire system Boller installed, it's unlikely another contractor would be selected, but proposals were requested to ensure honest pricing is given to GWA.

f. Construction Engineering Contract

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i. Proposal to EOC

At the last TAC meeting Black & Veatch proposed a scope for an amendment to their construction contract. The TAC recommended a \$300k amendment, therefore, GWA drafted a memo to bring to the EOC to approve the amendment. No other feedback has been given, therefore the memo requesting authorization from the EOC is on the October 2nd EOC Meeting agenda.

3. Other Business

a. Roofing Project Update

The UV building roof is nearly complete, and should be completed by the end of this week, as all that is left is the sheet metal. The SRI pump station roof will be ready to go as soon as ComEd wraps the power lines nearby. The proximity of those power lines poses a safety risk and is not allowed per OSHA regulations, therefore GWA has repeatedly asked ComEd to come wrap the wires. ComEd has not been entirely responsive.

b. Electrical Grid Design Update

i. Possible Design Addendum for UNOX Conduits

A recent failure in a mixer on the UNOX deck revealed that the 40-year-old conduits poured into the concrete deck are no longer usable. Therefore, in order to prepare for future failures, GWA is proposing a minor amendment to the design contract for the Electrical Distribution project, so that a more robust conduit system can be designed and installed on the UNOX deck. Since GWA is aware that the UNOX deck will be removed/redesigned in 10-15 years, or when we learn of a Nitrogen standard, ~~so~~ some modifications will need to be made before then. \$100k has been inserted for "unox deck improvements" into each year's budget from CY2020-2030, therefore that money will be used towards both the engineering and construction of this work.

c. HVAC Project Update

GWA expects construction to start in December. The start of construction has been delayed due to lead times for equipment; however, the contractor has been diligent in turning in submittals and getting paperwork completed.

d. Property Acquisition Discussion

Mr. Streicher met with the adjacent property owner that GWA is pursuing purchase of. All aspects of the deal have been agreed upon, and it is anticipated the EOC will approve with signing the purchase agreement at the October 2 EOC meeting. The property owner did request that the "post-closing rent free occupancy" could be extended to February 1st if possible. The TAC does not approve of the request, but it ~~still should~~ still be mentioned to the EOC as well.

i. Additional Property Available

GWA is obtaining an appraisal for another adjacent property on Danby Road since the Facility Plan recommended evaluating the purchase of every home on the East side of Danby as they went for sale. Since there are only approximately 5 homes, Director Goldsmith recommended sending a letter to all of the homes requesting that when they decide to put their homes up for sale, GWA get first right of refusal, and offer the homeowners \$1k each for agreeing to those terms. Director Hansen and Mr. Streicher stated this decision would be up to the EOC

e. Thickener Bridge Coating

i. Bid Opening Results

GWA had a bid opening for sandblasting and coating the gravity thickener bridge, and only had one bid at ~\$49k, which was ~\$9k above budget. However, since the SRI coating project (below) and the berm (below – item h.ii.) both came in below budget, the extra \$9k is easily compensated for. Also, since this project was publicly bid prior to GWA knowing there would not be a September EOC meeting, it needed to be awarded prior to October 2nd in order to honor the bid specifications. Therefore, approval was granted from the Village of Glen Ellyn, and a formal retroactive approval request is on the October 2nd EOC consent agenda

f. SRI Coating Follow Up

Jon Braga, Maintenance Superintendent, along with Tom Romza were able to research rehabilitation techniques and materials thoroughly enough to be able to perform this project in-house. By doing so, GWA came in around \$47k under budget, and completed the project in-house.



Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137
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- g. UV Disinfection System Issues
Not discussed – whoops, Mr. Streicher overlooked this agenda item!
- h. Landscape Additions
 - i. Bemis Road property line
Due to feedback from neighbors, and that some vegetation has died, GWA is pursuing replacing some trees and bushes along the Bemis Road property line in order to help aesthetically please people outside the fence line. In CY2018, Director Hansen had recommended budgeting money to clear cut the older vegetation to the South and West of the fence line on GWA property. The worry was that some of the older trees could fall and damage private property, however, Mr. Streicher had greater concerns with clear cutting what is presently an excellent visual barrier. Therefore, the money in the budget was devoted towards this work along Bemis Road. Director Hansen still recommended going through the heavily vegetated area and “selectively” cutting down older trees that could pose danger to neighboring properties. The TAC agreed to continue to budget a certain amount of money every future year towards landscape work around the plant.
 - ii. Berm
GWA’s maintenance department reduced the berm across the street in-house in order to help create a better line of sign for vehicular traffic at Bemis/Sunnybrook. By doing this in-house, GWA came in approximately \$3,500 under budget.
- 4. Old Business
 - a. On-Call Discussion
No Discussion
 - b. FPA Amendment Update (Carl)
Director Goldsmith stated that the study Flag Creek Water Reclamation District completed determined the District does have enough capacity for the new development, therefore no FPA amendment will be requested, and all the flow from the proposed development will go to Flag Creek. This item will be removed from TAC agenda’s moving forward.
 - c. Manhole/Sewer Inspections ongoing
GWA expects a report on the manhole inspections by the end of September, and the sewer inspections are expected to continue this week.
 - d. Pretreatment Ordinance Status/Local limits change
 - i. Local Limits Ordinance Revision Public Notice
Director Goldsmith intends to bring 5 ordinances to Lombard’s October 17 board meeting in regards to passing the new pretreatment language, the enforcement response plan, and the local limits variance. The question arose as to whether or not USEPA requires them to pass a “resolution,” or if the new ordinances are satisfactory. Mr. Streicher will check with the USEPA
 - ii. Village of Glen Ellyn
Director Hansen has a resolution drafted and all the documents in hand. If Glen Ellyn’s attorney approves, the resolution will be adopted at the September 23 board meeting.
 - e. Forest Preserve County of DuPage Easement Leases (Julius)
Director Hansen stated that he has not had responses from Kevin Stough at the Forest Preserve, therefore no progress has been made.
 - f. Discussion pertaining to future development of IGA Language for GWA Interceptor vs Village’s Collection Systems start and stop points.
 - i. VGE – Chidester vs St. Charles Rd. Lift Station

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- ii. VOL – L22 vs Junction Chamber
- iii. CSO Regulators and lines between the regulators to the facility
- iv. Any others that can be added

Meeting adjourned 10:42am

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	POSTPONED	Moved to next CY
Admin Building HVAC Construction	\$1,000,000	June	APPROVED
Roof Rehabilitation	\$144,000	July	APPROVED
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	TBD	
Equipment Rehabilitation			
Overhead Door Safety Bumper Replacements	\$30,000	June	UNDERWAY/Under \$20k
Screw Pump Rehab	\$45,000	August	APPROVED/UNDERWAY
CHP Siloxane and Hydrogen Sulfide Media Replacement	\$50,000	TBD	
Moyno Pumps (10) Spare Parts	\$25,000	Ongoing	
Televising NRI & SRI, and MH's	\$100,000	April	APPROVED/UNDERWAY
Gravity Thickener Bridge & Mechanism Painting	\$40,000	September	RETROACTIVE
SRI Pump Station Concrete Lining	\$50,000	September	COMPLETED/Under \$20k
Rolling Stock			
None			

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Glenbard Wastewater Authority

21W551 Bemis Road Glen Ellyn, Illinois 60137

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

Protecting the Environment for Tomorrow

SECTION 10.3

**FULL BOARD MEETING
DATE – TUESDAY,
NOVEMBER12, 2019**

SECTION 11.0

NEXT EOC MEETING

THURSDAY

NOVEMBER 14, 2019

AT 8:00 A.M.