GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Agenda
October 14, 2021
8:00 a.m.
Meeting will be held at the Glenbard Wastewater Plant
945 Bemis Rd, Glen Ellyn, IL

1. Call to Order

2. Pledge of Allegiance

3. Roll Call

4. Public Comment

5. Consent Agenda – The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

   Motion the EOC to approve the following items including Payroll and Vouchers for the months July 2021 and August 2021, totaling $3,468,902.62 and September 2021 for an aa$1,653,531.39 (*Trustee Christiansen*).

   5.1 Executive Oversight Committee Meeting Minutes
   July 15, 2021 EOC Meeting

   5.2 Vouchers Previously Reviewed by:
   July 2021, August 2021, and September 2021 – Trustee Christiansen

   5.3 Approval of Additional Maintenance Parts for Combined Heat and Power Engine's 20,000 Service Interval

   During the performance of the 20,000-service interval for the Authority's Combined Heat & Power engines additional parts that are needed that were left off of the initial quote were identified. The additional parts add up a total of $25,865.90. As part of the original EOC approval for this work in July, 2021, $151,600 of the budgeted $248,000 was approved. Therefore, this additional $25,865.90 still falls within the budgeted amount in Fund 270-520975

   Due to the proprietary nature of the CHP system, GWA seeks waiving the competitive bidding process. The approved 2016 purchasing policy item *C.1.f.* defines *Standardization purchases*, as "technical in nature of certain items or services may result in the standardization of a particular supplier's specifications being necessary or desirable to Village operations. Competitive bidding may be waived if the Village requires compatibility with existing software, machinery or other existing equipment." Therefore, it is being requested the EOC authorize the

Authority to approve Nissen Energy's proposal and provide notice to proceed for the amount of $25,865.90

5.4 Ratification of August 26, 2021 Phone Poll Item

5.4.1 Final Header Sludge Header Replacement

Parts of GWA's infrastructure are quickly approaching 50 years of age. The final sludge return header is one of those pieces. In the past two years, GWA staff has had to repair rotted pipe sections multiple times. Most recently, staff spent an entire day removing a butterfly valve and operator then repairing the rotted pipe and then placing back in service. These repairs were only a temporary fix.

The Authority recommends the EOC authorize the Authority to award Dhame Inc. with a notice to proceed in the amount of $78,888.88 to complete this work. Sourced from 2021 GWA Capital budget 40-580120. Previously, $180,000 was dedicated for these improvements, $61,063.93 of which were spent on the associated magnetic meters and valve actuators for the final sludge return station, leaving $118,936.07 in the budget for this work to be completed.

6. Discussion

6.1 CY2022 Draft Budget
Proposed 0.1% decrease ($4,688) in overall operations, maintenance, and capital budget for CY2022 as broken down in the enclosed memo.

6.2 capital Improvement Projects Update

6.3 Leachate Permit Revisions
Glenbard Wastewater Authority accepts leachate from four, closed municipal landfills. The leachate from these landfills is essentially rain water and the analytical data supports that these sources contain low levels of pollutants. In an effort to streamline permitting and create efficiencies in the pretreatment program the Environmental Resource Coordinator has reviewed the 40 CFR requirements and Sewer Use Ordinance(s) (SUO) and determined that all four landfills can be permitted under individual wastewater discharge permits instead of Significant Industrial Users (SIUs) under the Pretreatment Program.

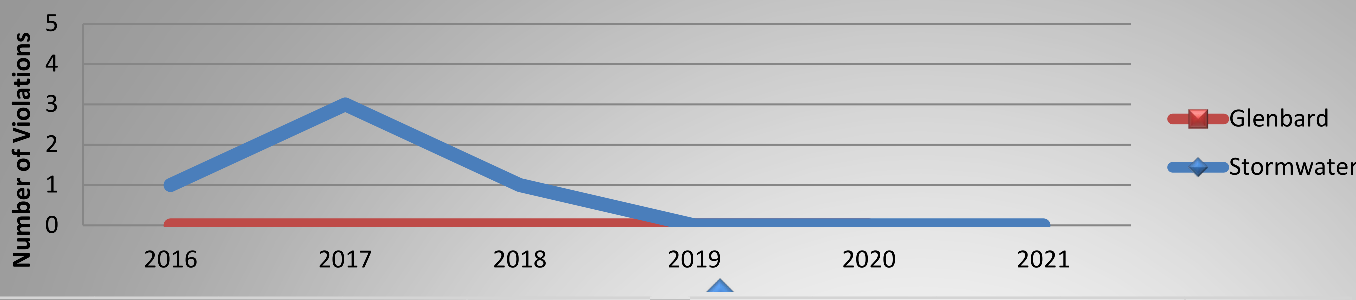
7 Other Business

7.1 Technical Advisory Committee Updates

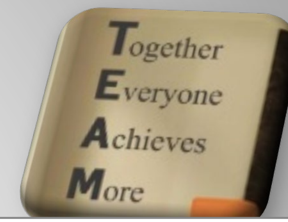
7.2 Full Board Meeting Dates

8 ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is to be determined due to the regularly scheduled date falling on the Veterans Day holiday**.**

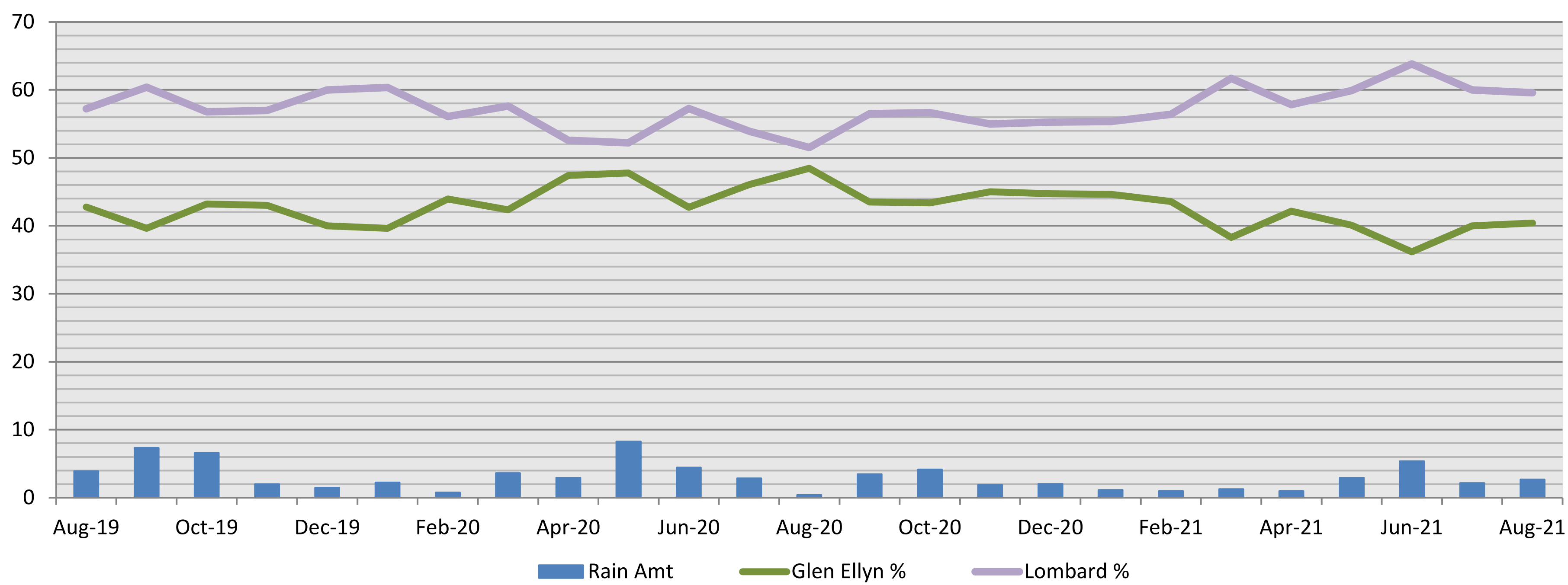
NPDES Permit Violations



Glenbard Plant: *Current Record	***Stormwater Facility: * Current Record***
3160 Days February 4, 2013 through September 30, 2021	1264 Days April 15, 2018 through September 30, 2021
Previous excursion free operating record:	Current excursion free operating record:
1058 Days September 8, 2007 – April 10, 2010	1140 Days July 11, 2009 through August 27, 2012



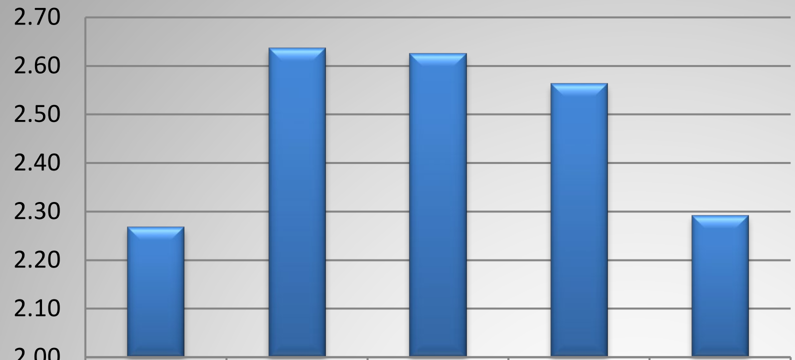
Flow Billing Comparison



	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
Glen Ellyn %	42.76693	39.6144	43.22	43.01282	40.0011	39.6412	43.931	42.3567	47.418	47.7942	42.7287	46.0736
Lombard %	57.23307	60.3856	56.7761	56.98718	59.9989	60.3588	56.069	57.6433	52.582	52.2058	57.2713	53.9264
Rain Amt	3.905	7.345	6.59	2.01	1.45	2.24	0.76	3.615	2.91	8.265	4.44	2.84

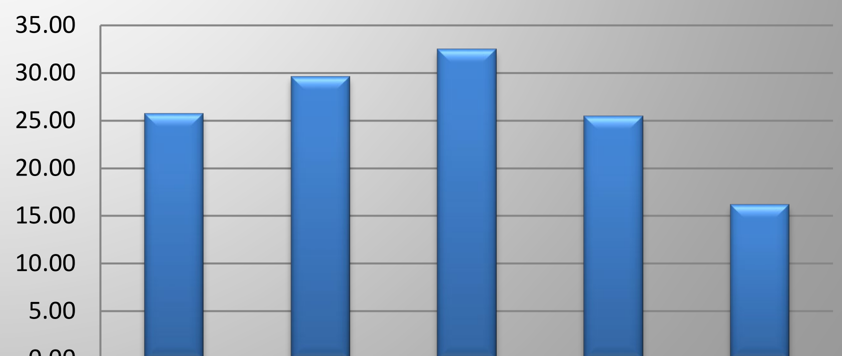
	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-2
Glen Ellyn %	48.4668	43.5073	43.3642	45.0223	44.7414	44.6336	43.579	38.2972	42.152	40.098	36.19	39.988	40.4
Lombard %	51.5332	56.4927	56.6358	54.9777	55.2586	55.3664	56.421	61.7028	57.848	59.903	63.81	60.011	59.5
Rain Amt	0.4	3.46	4.15	1.88	2.02	1.14	0.985	1.242	0.985	2.915	5.36	2.15	2.665

Billion Gallons Treated Per Year as of August 31, 2021



	CY2017	CY2018	CY2019	CY2020	CY2021
Billion Gallons Treated Per Year as of August 31, 2021	2.27	2.64	2.63	2.56	2.29

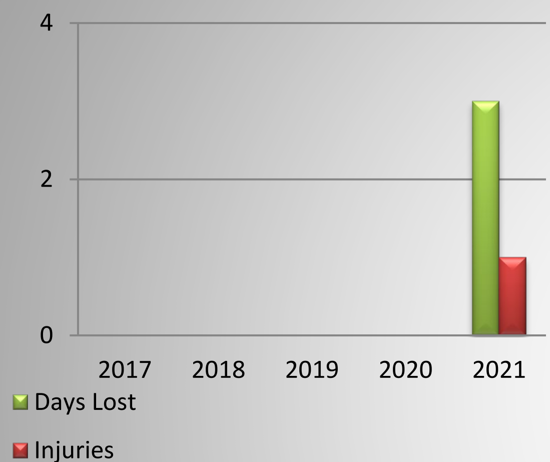
Total Rainfall in Inches as of August 31, 2021



	CY2017	CY2018	CY2019	CY2020	CY2021
Total Rainfall in Inches as of August 31, 2021	25.76	29.62	32.48	25.47	16.19

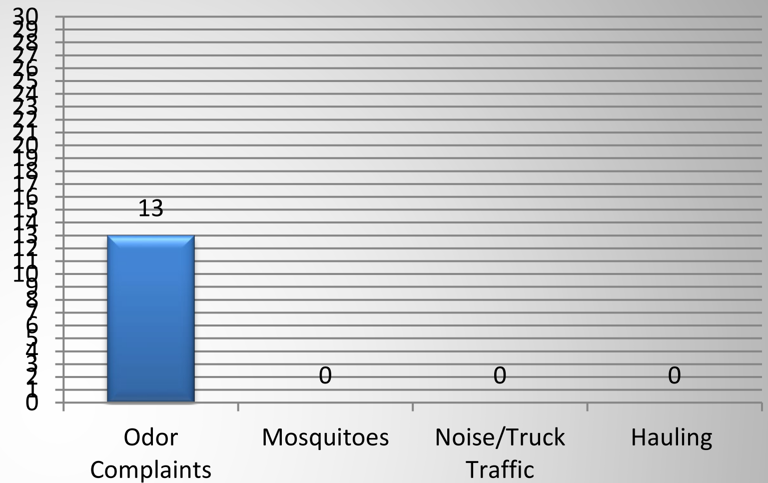
The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts

Injuries + Lost Time

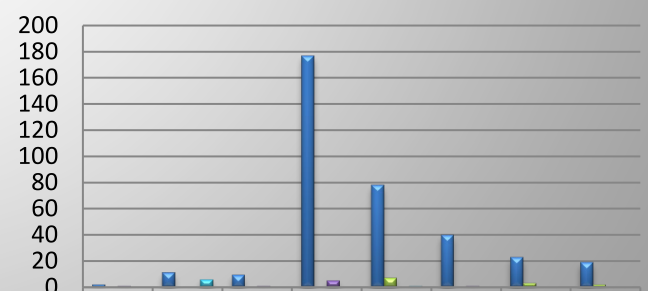


Year	2017	2018	2019	2020	2021
Injuries	0	0	0	0	1
Days Lost	0	0	0	0	3

August 2021 Complaints

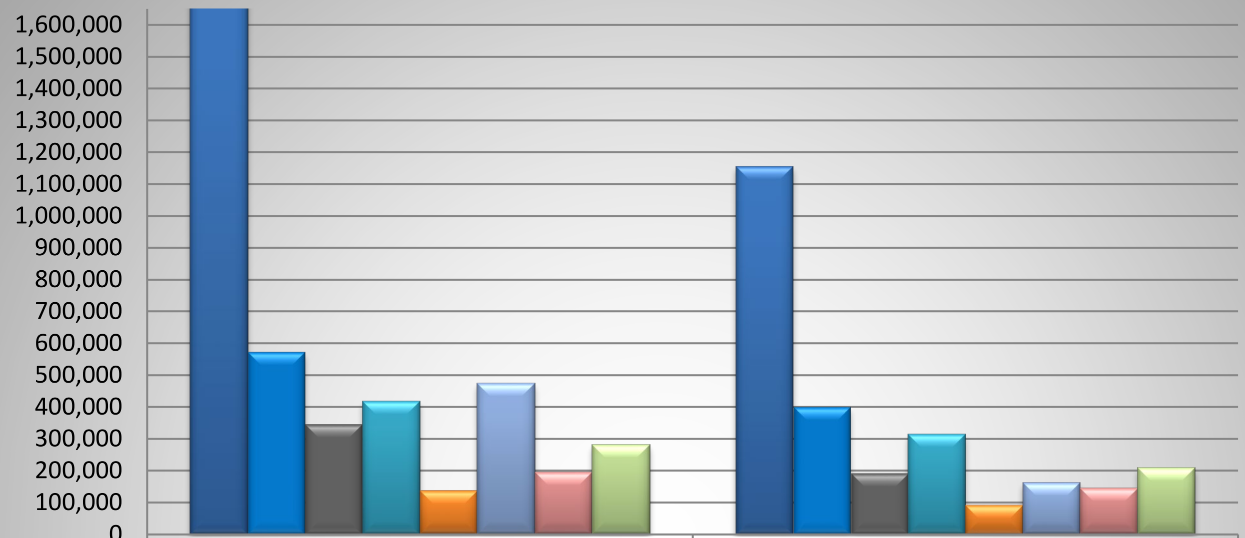


Annual Complaint Comparison



	2014	2015	2016	2017	2018	2019	2020	2021
Odor Complaints	2	11	9	177	78	40	23	19
Noise/Truck Traffic	0	0	0	0	7	0	3	2
Hauling	1	0	1	5	0	1	0	0
Mosquitoes	0	6	0	0	1	0	0	0

August 2021 O&M Expense $ Reporting

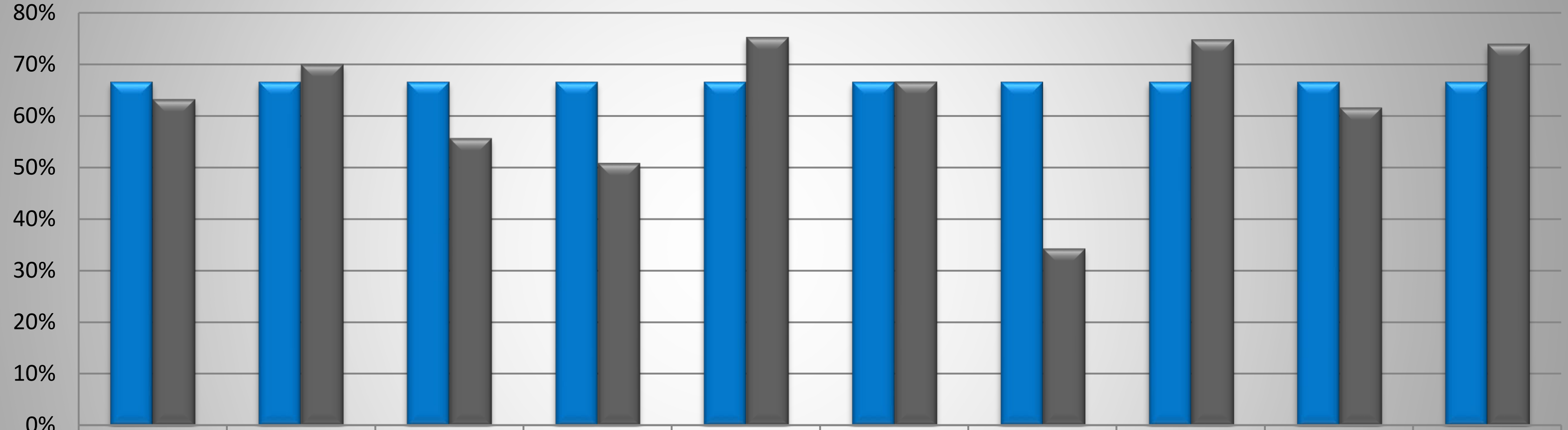


	CY2021 Budget	Spent Year to Date
Personnel	$1,827,670	$1,155,983
Utilities	$570,500	$399,489
Contract Services	$344,198	$191,801
Insurance	$418,000	$314,647
Overhead Fees	$137,316	$91,544
Maintenance	$474,306	$162,929
Sludge Removal	$195,000	$145,830
Other	$282,690	$208,930

Together Everyone Achieves More

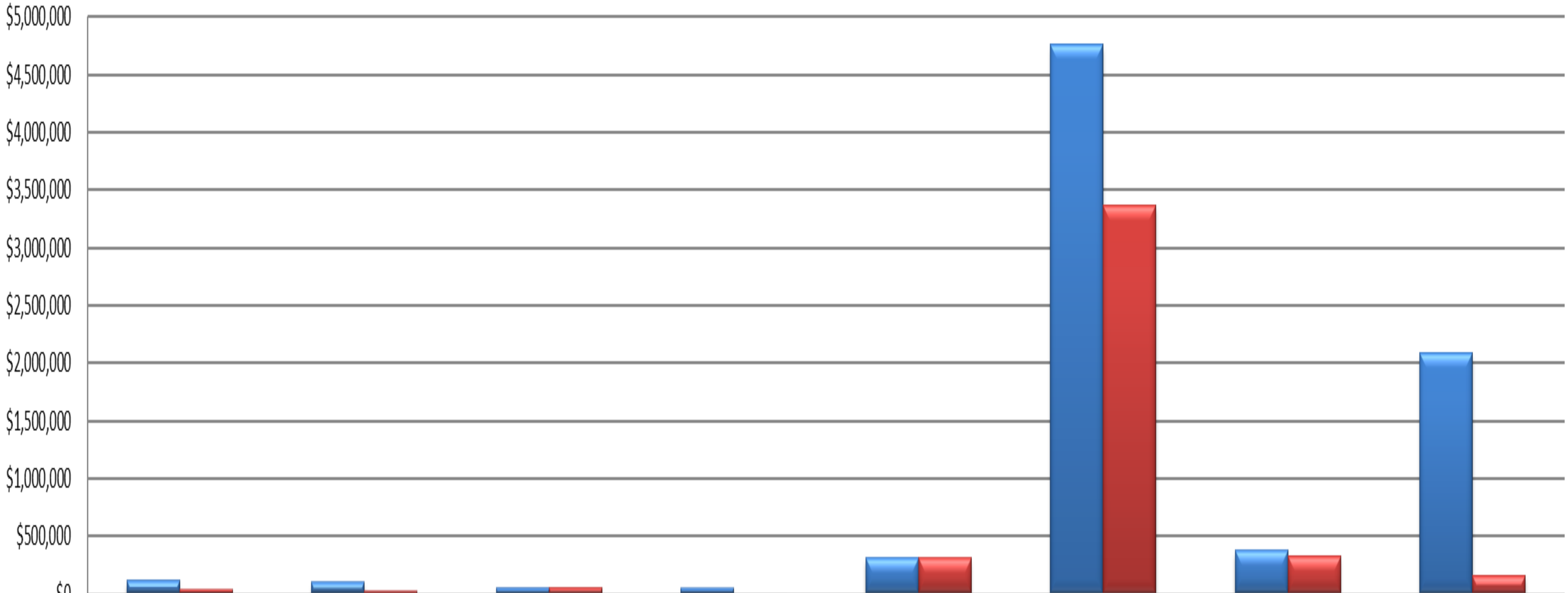
	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
CY2021 Budget	$1,827,670	$570,500	$344,198	$140,000	$418,000	$137,316	$474,306	$195,000	$315,000	$282,690
Spent Year to Date	$1,155,983	$399,489	$191,801	$71,308	$314,647	$91,544	$162,929	$145,830	$194,112	$208,930
% of CY2021	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%
% Spent	63.25%	70.02%	55.72%	50.93%	75.27%	66.67%	34.35%	74.78%	61.62%	73.91%

August 2021 O&M Expense % Reporting



	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
% of CY2021	66.66%	66.66%	66.66%	66.66%	66.66%	66.66%	66.66%	66.66%	66.66%	66.66%
% Spent	63.25%	70.02%	55.72%	50.93%	75.27%	66.67%	34.35%	74.78%	61.62%	73.91%

September 2021 Project Updates

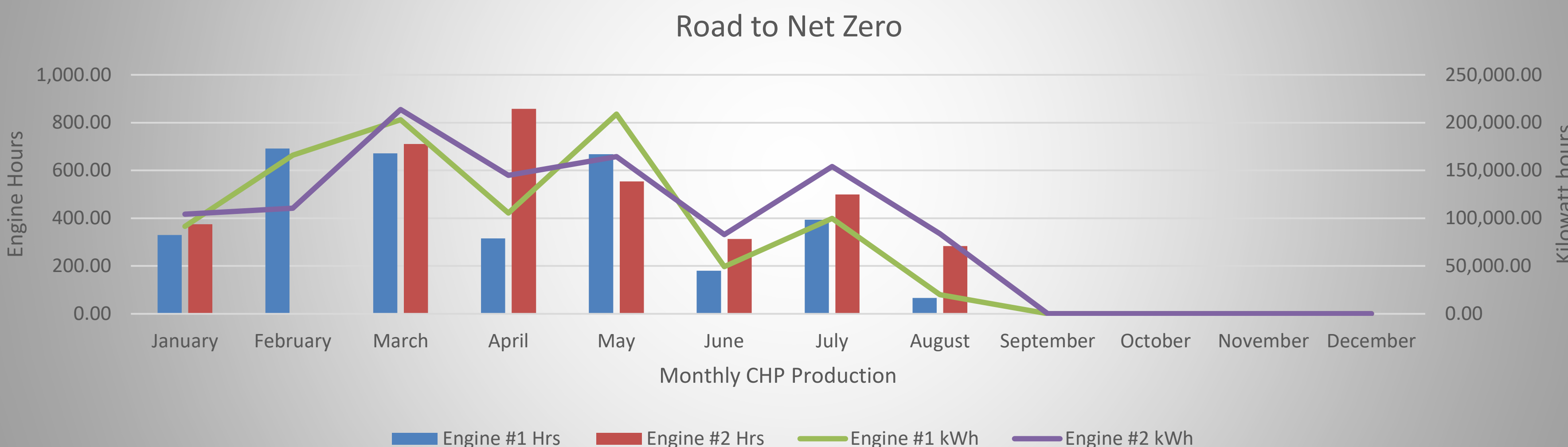


	Small Capital Projects	Plant Equipment Rehabilitation	Infrastructure	Rolling Stock	Electrical Grid Engineering	Electrical Grid Construction	Biosolids Dewatering Improvements (BDIP) Engineering	BDIP Construction
Project Budget Amount	$115,000	$100,000	$50,600	$48,000	$310,900	$4,758,000	$374,100	$2,085,000
Spent to Date	$35,681	$23,266	$56,873	$0	$310,901	$3,366,583	$334,060	$163,643

CY2021 Capital Projects

Description	Project Budget Amount	Spent to Date	January Updates
Small Capital Projects	$115,000	$35,681	September 22, 2021
Plant Equipment Rehabilitation	$100,000	$23,266	September 22, 2021
Infrastructure	$50,600	$56,873	September 22, 2021
Rolling Stock	$48,000	$0	September 22, 2021
Electrical Grid Engineering	$310,900	$310,901	September 22, 2021
Electrical Grid Construction	$4,758,000	$3,366,583	September 22, 2021
Biosolids Dewatering Improvements (BDIP) Engineering	$374,100	$334,060	September 22, 2021
BDIP Construction	$2,085,000	$163,643	September 22, 2021

Combined Heat & Power Production Report



	Monthly CHP Production 2021 = $0.08/kWh								
	Engine #1 Hrs	**Engine #1 Avail Hrs**	**Engine #2 Hrs**	**Engine #2 Avail Hrs**	**Engine #1 kWh**	**Engine #1 Avail kWh**	**Engine #2 kWh**	**Engine #2 Avail kWh**	**$ Saved**
January	329.60	744	375.20	744	91,317.00	279,000	104,255.00	279,000	$15,023.25
February	691.00	672	0.00	672	165,866.00	252,000	110,341.00	252,000	$21,217.39
March	671.50	744	711.10	744	202,973.00	279,000	213,670.00	279,000	$32,005.26
April	315.90	720	858.00	720	105,411.00	270,000	144,712.00	270,000	$19,213.70
May	668.00	744	553.60	744	209,032.00	279,000	164,405.00	279,000	$28,686.31
June	180.60	720	313.40	720	49,460.00	270,000	82,980.00	270,000	$10,173.64
July	393.60	744	498.80	744	99,837.00	279,000	154,130.00	279,000	$19,508.98
August	65.80	744	282.90	744	20,058.00	279,000	83,705.00	279,000	$7,970.76

Return on Investment Monetary Breakdown

	RECS	HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ $0.07/kWh	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss -
Calendar Year 2020								
January		200,970	$10,048.50	$18,042.01	$1,890.00	$26,200.51	$31,256.00	(5,055.49)
February		141,465	$7,073.25	$20,094.73	$1,512.89	$25,655.09	$31,256.00	(5,600.91)
March		173,840	$8,692.00	$19,599.80	$580.00	$27,711.80	$31,256.00	(3,544.19)
April		153,275	$7,663.75	$20,494.55	$2,436.00	$25,722.30	$31,256.00	(5,533.69)
May		136,460	$6,823.00	$17,846.52	$2,254.85	$22,414.67	$31,256.00	(8,841.33)
June		153,920	$7,696.00	$19,134.51	$1,395.44	$25,435.07	$31,256.00	(5,820.92)
July		161,425	$8,071.25	$9,251.31	$1,161.36	$16,161.20	$31,256.00	(15,094.80)
August		219,075	$10,953.75	$20,545.50	$1,846.00	$29,653.25	$31,256.00	(1,602.74)
September		187,790	$9,389.50	$16,063.45	$4,621.48	$20,831.47	$31,256.00	(10,424.53)
October		221,345	$11,067.25	$31,816.95	$1,846.00	$41,038.20	$31,256.00	9,782.20
November		165,540	$8,277.00	$14,524.77	$2,463.88	$20,337.89	$31,256.00	(10,918.10)
December	$24,198.77	261,102	$13,055.10	$21,787.92	$993.00	$58,048.79	$31,256.00	26,792.79
Annual Totals	2,176,207	$108,810.35	$229,202.03	$23,000.90	$339,210.25			
Repayment Balance	$3,300,633.09							
Annual Payback on Investment	$240,438.87							
Current Return on Investment in Years	13.7							

	RECS	HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ $0.07/kWh	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss -
Calendar Year 2021								
January		235,008	$11,750.40	$15,023.25	$1,247.28	$25,526.37	$29,488.28	(3,961.90)
February		201,730	$9,276.50	$21,217.39	$1,108.06	$29,385.83	$29,488.28	(102.45)
March		244,483	$11,974.50	$32,005.26	$19,660.08	$24,319.68	$29,488.28	(5,168.59)
April	$47,040.99	129,772	$6,488.60	$19,213.70	$620.00	$25,082.30	$29,488.28	(4,405.98)
May		247,017	$12,350.85	$28,686.31	$2,928.82	$38,108.34	$29,488.28	8,620.06
June		289,711	$14,485.55	$10,173.64	$28,696.78	-$4,037.59	$29,488.28	(33,525.86)
July		248,491	$12,424.55	$19,508.98	$619.67	$31,313.86	$29,488.28	1,825.58
August		220,450	$11,022.50	$7,970.76	$2,021.03	$16,972.23	$29,488.28	(12,516.05)
September			$0.00	$0.00		$0.00	$29,488.28	(29,488.28)
October			$0.00	$0.00		$0.00	$29,488.28	(29,488.28)
November			$0.00	$0.00		$0.00	$29,488.28	(29,488.28)
December			$0.00	$0.00		$0.00	$29,488.28	(29,488.28)
Annual Totals	$47,040.99	1,816,662	$89,773.45	$153,799.30	$56,901.72	$186,671.03		
Repayment Balance	$3,113,962.06							
Annual Payback on Investment	$240,438.87							
Current Return on Investment in Years	13.0							

SECTION 5.0

CONSENT AGENDA

SECTION 5.1

MINUTES –

JULY 15, 2021 MEETING

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
MINUTES
July 15, 2021
Meeting held at the Glenbard Wastewater Plant
945 Bemis Road, Glen Ellyn, IL

Members Present:

Mark Senak	President, Village of Glen Ellyn
Keith Giagnorio	President, Village of Lombard
Bob Bachner	Trustee, Village of Lombard
Mark Franz	Village Manager, Village of Glen Ellyn
Scott Niehaus	Village Manager, Village of Lombard
Dave Buckley	Public Works Director, Village of Glen Ellyn
Carl Goldsmith	Public Works Director, Village of Lombard

Others Present:

Matthew Streicher	Executive Director, GWA
Richard Freeman	Electrical Superintendent, GWA
David Goodalis	Operations Superintendent, GWA
Gayle Lendabarker	Administrative Secretary, GWA
Christina Coyle	Finance Director, Village of Glen Ellyn
Jamie Wilkey	Auditor, Lauterbach and Amen

1. Call to Order at 8:03 a.m.

2. Pledge of Allegiance

3. Roll Call: President Giagnorio, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Buckley and Mr. Goldsmith answered "Present". President Senak arrived at 8:06 a.m. after Roll Call and after approval of Consent Agenda items. Trustee Christiansen was excused.

4. Public Comment

5. Consent Agenda - The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

   Motion the EOC to approve the following items including Payroll and Vouchers for part of the months of June 2021 $969,128.73 (*Trustee Christiansen*).

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

5.1 Executive Oversight Committee Meeting Minutes
- June 10, 2021

5.2 Vouchers previously reviewed by Trustee Christiansen
- June 2021

5.3 Approval of Maintenance Contract for Combined Heat and Power Engine's 20,000 Service Interval

With the installation of the Combined Heat and Power (CHP) System in 2016, the Authority has anticipated and budgeted for various service intervals on the engines and generators based on the number of hours they have been operating. One of the major service intervals is the 20,000-hour interval, which both sets of engines and generators have now reached. Although most of the maintenance on the CHP system is performed in house, due to the larger scope and need for specific equipment, this work will be outsourced to the manufacturer of the CHP system

Due to the proprietary nature of the CHP system, the Authority is formally requesting competitive bidding to be waived based on Section C.1.f of the Village of Glen Ellyn's purchasing policy which waives competitive bidding for "Standardization purchases, defined as technical nature of certain items or services may result in the standardization of a particular supplier's specifications being necessary or desirable to Village operations. Competitive bidding may be waived if the Village requires compatibility with existing software, machinery, or other existing equipment." The manufacturer of the CHP system, Nissen Energy, will be utilized to assist with the work. This approach was discussed and agreed upon by the TAC.

The Authority recommends the EOC authorize the Authority to approve the contract with Nissen Energy in the amount of $151,600 for the CHP 20,000 service interval. The funds will be taken from Fund 270-520975 where $248,000 was budgeted for this work.

5.4 CY2021 Roofing Contract

In 2017, GWA sought an evaluation of all the roofing systems on plant grounds and lift stations. Many of the roofs are original to the late 1970's and far past their useful life. While some of the roofs are still in decent condition, many are already failing, or on the verge of failing. GWA took the 2017 evaluation and developed an annual roof rehabilitation program over the next 15 years in effort to spread out the costs of rehabilitating every Authority roof asset.

The roof rehabilitation plan for 2021 is to replace the failing roof of Buildings E and G. This was discussed at the TAC level and agreed that as long as the bids came in near the budgeted amount, this work should be recommended to be approved and move forward.

In June Authority staff and the roofing consultant, Arcon, developed and sent out a public request for qualifications and proposals for the rehabilitation of the roof of buildings E&G. The bid opening was scheduled for July 1, 2021, at 2:00pm. Seven proposals were received, with Crowther Roofing & Sheet Metal Inc being the low bid. The bids ranged from the low of $68,000 to the high of $105,000 (bid tabulation attached).

The Authority has an approved budget for roof rehabilitation in 2021 of $47,000 out of Fund 40 Capital Improvement Projects. Arcon, having experience with most of the companies that submitted bids, has provided a letter of recommendation for accepting a low bid.

The Authority has an approved budget for roof rehabilitation in 2021 of $47,000 out of Fund 40 Capital Improvement Projects. The low bid of $68,000, is in excess of the budgeted amount; however, the Authority is still seeking to approve the Crowther bid for several reasons; it is unknown if costs are going to come down next year if this project is lumped in with the 2022 roofing project, the roofs are in need of significant repair, and we can absorb the extra $21k into our capital reserve/cash on hand. Arcon, having experience with most of the companies that submitted bids, has provided the attached letter of recommendation for accepting the bid provided by Crowther Roofing & Sheet Metal, Inc.

Therefore, after discussion with the TAC, it is recommended the EOC authorize the Authority to award Crowther Roofing & Sheet Metal, Inc. the 2021 Building E&G Roof Rehabilitation project in the amount not to exceed $68,000. If approved, this amount will be taken out of the CY2021 Approved Budget, Fund 40 580180 Capital Improvements Projects.

6. Approval of CY2020 Audit

Attached is the Annual Audited Financial Statements for the Glenbard Wastewater Authority for the fiscal year that ended December 31, 2020. Financial highlights for the Authority's fiscal year 2020 (FY2020) are presented on pages 6-7 of the report. A complete narrative summary of the Authority's operations and financial position is found in Management's Discussion and Analysis on pages 5-14. Village of Glen Ellyn Finance Director Christina Coyle will present highlights of the financial report during the EOC meeting and our audit partner, Jamie Wilkey, will present the auditor's opinion.

Motion to accept the Audited Financial Statements of the Glenbard Wastewater Authority for the fiscal year ended December 31, 2020 and to forward the audit report to the full Authority Board for final approval at the next annual meeting.

Motion to allocate the 2020 operating surplus of $353,423 and the remaining 2019 operating surplus of $10,255 to the Capital Fund.

Mr. Streicher, asked Christina Coyle, Village of Glen Ellyn's Finance Director, to present the information regarding the Annual Audit to the EOC Committee.

Ms. Coyle reviewed the financial highlights as outlined on pages 6-7 of GWA's Annual Financial Report, noting that members should focus on reading the Management's Discussion and Analysis (MDA) section of the report, as it provides a very high-level overview of the financial performance from year to year. Ms. Coyle referred the Committee to page 7 of the MDA, which highlights the operating surplus of $353,423 for the fiscal year. Ms. Coyle also noted that GWA did maintain the minimum working cash balance in the operating fund; as well as highlighting that the FIP Project continued to be in progress in 2020, noting that as of the end of 2020, GWA had expended approximately $20.2 million dollars on the project. Ms. Coyle explained that the operating surplus in the Operating Fund was due, in part, to lower electrical costs and lower maintenance costs than in prior years.

Ms. Coyle advised that in previous years, the EOC Committee opted to distribute any operating surplus to the Capital Fund in an effort to reduce contribution amounts from both Villages and is recommending that the same be done with the 2020 surplus. Ms. Coyle added that in 2019, in order to maintain working cash levels, $10,255 of the 2019 surplus could not be distributed; however, in light of meeting the 2020 working cash reserve minimum, this amount can now be distributed to the Capital Fund.

Mr. Niehaus asked, just for informational purposes for President Senak and Trustee Bachner, how many years has the EOC Committee has been approving distributing O&M surplus amounts to the Capital Fund. Ms. Coyle responded that for as long as she has been at the Village, which stands at nine (9) years and it was done for several years before that.

Ms. Wilkey expressed her appreciation to Ms. Coyle and her team for all of their work and effort in making sure the audit went smoothly. Ms. Wilkey added that a clean audit and no management letter was issued, meaning no issues that required corrective actions were found.

Mr. Niehaus ***made the motion and*** **President Senak** ***seconded the Motion to accept the Audited Financial Statements of the Glenbard Wastewater Authority for the fiscal year ended December 31, 2020 and to forward the audit report to the Authority Full Board for final approval at the next Annual Meeting and to allocate the 2020 operating surplus of $353,423 and the remaining 2019 operating surplus of $10,255 to the Capital Fund. President Senak, President Giagnorio, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Buckley and Mr. Goldsmith responded "Aye" during a roll vote. The motion carried.***

7. Approval of Parts Purchase for Return Activated Sludge (RAS) Pump Station Rehabilitation

The Authority's most recent facility plan identified the rehabilitation of the Return Activated Sludge (RAS) Pump Station in CY2021, with the work being completed in-house. A portion of the scope included replacing five valve actuators and eight magnetic flow meters, however, staff is able to realize some savings by eliminated an unnecessary valve actuator as a result of other changes in the RAS pumping systems.

In an effort to maintain uniformity, the proposed valve actuators and magnetic flow meters are the same brand and models as others throughout the plant site, and therefore The Authority is formally requesting competitive bidding to be waived based on Section C.1.f of the Village of Glen Ellyn's purchasing policy which waives competitive bidding for "Standardization purchases, defined as technical nature of certain items or services may result in the standardization of a particular supplier's specifications being necessary or desirable to Village operations. Competitive bidding may be waived if the Village requires compatibility with existing software, machinery, or other existing equipment." This approach was discussed and agreed upon by the TAC.

The Authority recommends the EOC authorize the Authority to approve the purchase of five valve actuators from SwansonFlo in the amount of $23,390.69 and eight magnetic meters from ABB in the amount of $37,673.24. Both purchases are budgeted in Fund 40-580180, where $180,000 is budgeted for the entire RAS Pump Station Rehabilitation. The purchase of the remaining equipment associated with the rehabilitation will be requested at a future EOC meeting.

Mr. Streicher stated that the 2018 Facility plan identified 2020 as the year for performing the rehabilitation of GWA's RAS pump station, consisting of replacement of valve actuators to control flow and magnetic meters, which track the flow rate through the pipes. Mr. Streicher explained that GWA is sole-sourcing this equipment to match existing equipment. Mr. Streicher stated that the budget for this project is $180,000 and as these parts are only $61,000, GWA will secure quotes to replace various piping runs that are starting to deteriorate due to the nature of the material flowing through them and approval for this work will be brought to the EOC Committee at a future meeting yet this year. Mr. Streicher advised that staff is investigating the best option for installation, either having staff purchase the pipe and have a contractor handle the installation or have a contractor handle everything and bare the liability. Mr. Streicher advised that this item was brought to the TAC for review and it was agreed this phase should proceed now and the header part of the project be addressed later.

President Giagnorio ***made the motion and*** **Mr. Buckley** ***seconded the Motion for approval of the purchase of five (5) valve actuators from SwansonFlo in the amount of $23,390.69 and eight (8) magnetic meters from ABB in the amount of $37,673.24. Both purchases are budgeted in the Fund 40-580180, where $180,000 is budgeted for the***

entire RAS Pump Station Rehabilitation. President Giagnorio, President Senak, Trustee Bachner, Mr. Niehaus, Mr. Franz, Mr. Buckley and Mr. Goldsmith responded "Aye" during a roll vote. The motion carried.

8. Discussion

8.1 Capital Improvement Projects Update

Facility Improvement Project:

Mr. Streicher provided the following updates on the project:
-This project is now completed.
-The weeping in the new wet well has been repaired;
-Final "As Built" plans have been received.

Medium Voltage Electric Grid Update:

Mr. Streicher provided the following status:
-Most of the site has undergone grass restoration
-The area around the Admin and Maintenance buildings is currently being done with the last of the digging scheduled to be completed within the next few weeks. The underground work is one challenging part of the project as the as built documentation is not always accurate.
-The next phase will be pulling of the wire bundles, the landing of the lines and interior work, which will be just as challenging as the work is a bit more complex.
-There have been quite a few change orders with one being a credit at the beginning of the project for a change in material; however, at the time Mr. Romza did this presentation, the change orders did not equal the credit amount, but the project is now teetering at the point where the "add" change orders are about to negate the credit amount. Mr. Streicher mentioned that the project does have a $20,000 allowance for unforeseen items, meaning GWA would not need to request an increase to the contract until the $20,000 allowance has been exceeded.

Mr. Streicher advised that Mr. Romza deserves a substantial amount of credit for negotiating with the contractor on every single change order that has been submitted as the contractor is really "nickel and diming" GWA with the change orders; and in turn, Mr. Romza is scrutinizing every request and has substantially reduced the past three (3) or four (4) change order requests by nearly 50%.

Mr. Niehaus asked if the extended completion date will be impacted by winter or adverse weather conditions. Mr. Streicher advised that as long the contractor has completed all of the underground work within the next few weeks, and gets the cable bundles pulled, which they are on schedule to do, the remaining work is all inside work. Mr. Streicher stated that unless there is sudden cold snap wherein the temperature goes below 40 degrees, wherein the cable bundles cannot be pulled, the targeted December completion date should not see any delays due to weather.

Mr. Streicher noted that the new completion date is mid-December for 2021 for substantial completion, with final completion in the middle of January 2022.

<u>Biosolids Dewatering Improvement Project (BDIP):</u>
Mr. Streicher provided the following status:

- *Work is progressing with a majority of the shop drawings and submittals having been approved*
- *The building permit has been issued; however, immediately after the EOC Committee meeting, Mr. Streicher will be meeting with the Village of Glen Ellyn Building officials, to try and get the fire suppression requirement waived. Mr. Streicher reminded the EOC Committee of the issue that the Village's permit is geared towards a commercial remodel and not equipment rehabilitation and the dollar amount of the project triggered the requirement for fire suppression. Mr. Streicher stated that he has tried to convince the Village Building Department that fire suppression is not necessary as by having a fire suppression system more damage could be caused by the destruction of the control panels; not to mention it would add approximately $100,000 to the cost of the project as a fire suppression system was not part of the original work scope.*

Mr. Franz asked Mr. Streicher to clarify that the building in question is not staffed. Mr. Streicher advised that while the building has staff going in and out, it is not occupied long term and there are no offices located inside. Mr. Streicher added that when reports are filed for insurance purposes, the building is reported as an unoccupied building.

Mr. Franz asked the representatives from the Village of Lombard if they currently have any examples of a similar situation within their Village. Mr. Goldsmith responded that GWA is their example. Mr. Franz asked if the Village waived the requirements. Mr. Goldsmith stated that the Village of Lombard's code did not require a sprinkler system for unoccupied buildings. Mr. Goldsmith advised that Lombard's permitting team has been in communication with Glen Ellyn's staff explaining why the system was not installed when the building was built.

Mr. Niehaus asked Mr. Streicher to explain what would happen if a sprinkler system was to go off in the building. Mr. Streicher stated that all of the electrical panels, which control all of the equipment in the building, would be destroyed as they are not in water proof boxes, as well as, destroying everything in the building's control room and would result in hundreds of thousands of dollars of additional damage.

Mr. Niehaus asked Mr. Franz if the matter would need to go before Glen Ellyn's Village Board to have the section of the code that requires fire suppression waived. Mr. Franz stated that it would, or possibly the Building Board of Appeals.

Mr. Niehaus offered to provide any type of letter to the Village of Glen Ellyn's Planning Board, in support of the waiving of the requirement for this project.

Mr. Buckley asked if the building in question has fire monitoring. Mr. Streicher advised that it does. Mr. Buckley stated that this situation is similar to some of the buildings the Village has and that the requirement for adding fire suppression came in to play due to the amount of the rehabilitation project. Mr. Streicher stated that the Building Department took the total square footage of the building and classified it as a remodel and not equipment rehabilitation, which triggered the fire suppression issue. Mr. Streicher noted that he was told that occupancy had nothing to do with the code, but the requirement for suppression is intended to keep the fire under control so that when the fire department responds to a call, they are not battling an out-of-control fire. Mr. Streicher added that he explained to the Building Department that there is nothing within the building to burn as its construction is cement block, and if a belt press were to catch on fire, the fire would be contained for a long period of time before it would begin to spread.

PLC Replacement Project:
Mr. Streicher provided the following status:

-Project was mainly completed inhouse by Rick Freeman
-All work is now completed and everything has been tested and all aspects are functioning properly. The SCADA system is communicating properly and all of the PLC's that were outdated are now up-to-date.

CRAS Pump Replacement Project:
Mr. Streicher provided the following status:

-Capital Project that was highlighted in the Facility plan
-Completed with all work being done in-house by our Maintenance department.
-Mr. Streicher credited the Maintenance Department for saving approximately $100,000 by completing this project in-house.
-Mr. Braga worked with Mr. Romza to ensure that the proper pumps were purchased as replacement for pumps that were quite old, which had been repurposed to start.
-Reduced the size of the pumps from 4, 25 hp to 2, 18 hp pumps to suit the needs of the facility.
-Project done under budget
-Received approximately $6,000 in incentives from ComEd for reducing the number and horsepower of the pumps.

RE Hours:

Mr. Streicher highlighted that the chart not only reflects Mr. Romza's RE hours, but the hours of all Superintendents who have assisted with contractor oversight on the various projects.

Mr. Streicher added that the chart is an indication of the benefit of having GWA staff who can provide oversight services, versus relaying on outside engineering firms.

9. Other Business
   9.1 Technical Advisory Committee Updates

10. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, August 12, 2021 at 8:00 a.m. location TBD.***

    Mr. Streicher advised that the August meeting may or may not be necessary, as staff is awaiting quotes on several items and will advise the status near the end of July.

    Mr. Franz *made the motion to adjourn the July 15, 2021 EOC Committee and* President Senak *seconded the MOTION. President Senak, President Giagnorio, Trustee Bachner, Mr. Franz, Mr. Niehaus, Mr. Buckley and Mr. Goldsmith responded "Aye" during a roll call.* The motion carried. The meeting adjourned at 8:21 a.m.

Submitted by:

____
Gayle A. Lendabarker
GWA Administrative Secretary

SECTION 5.1

VOUCHER REPORTS

JULY/AUGUST 2021

GLENBARD WASTEWATER AUTHORITY
APPROVAL OF VOUCHERS
For the meeting in Sept 2021

EXPENDITURES:	Check Date		Paid Amount			
Accounts Payable Warrant 0721-1	7/15/2021	$	338,839.80			
Accounts Payable Warrant 0721-2	8/3/2021		2,802,870.13			
Accounts Payable Warrant 0821-1	8/17/2021		35,436.67			
Accounts Payable Warrant 0821-2	8/31/2021		155,012.84			
		$	3,332,159.44	Warrant Total	$	3,332,159.44

PAYROLL EXPENDITURES:		August 13, 2021		August 27, 2021			
Net Employee Payroll Checks	$	38,704.97	$	39,305.57			
Employee & Employer Payroll Deductions:							
Employee Deductions*	$	19,946.10	$	20,471.60			
IMRF - Employer contribution	$	4,781.07	$	4,911.46			
Social Security/Medicare Tax Withheld - Employer portion	$	4,260.47	$	4,361.94			
Total Payroll	$	67,692.61	$	69,050.57		$	136,743.18
					GRAND TOTAL	$	3,468,902.62

GWA Live

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
538 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY										
23912		05/17/2021		0721-1	3015	318,500.64	07/15/2021	DIR	PD	LOAN #L17-2874 - IEPA LOA
293 VILLAGE OF GLEN ELLYN										
1013191		07/15/2021		0721-2	3016	14,184.67	07/30/2021	DIR	PD	MONTHLY IFT TRANSFER
1268 JP MORGAN CHASE NA										
1906926		07/05/2021		0721-2	3017	-657.27	07/30/2021	CRM	PD	POWER WASH STORE - REFUND
1946535		07/05/2021		0721-2	3018	20.00	07/30/2021	DIR	PD	CSWEA.ORG - TRAINING SEMI
23966		07/05/2021		0721-2	3019	20.00	07/30/2021	DIR	PD	CSWEA.ORG - TRAINING SEMI
23967		07/05/2021		0721-2	3020	74.00	07/30/2021	DIR	PD	CHICAGO TRIBUNE - QRTLY S
23968		07/05/2021		0721-2	3021	95.18	07/30/2021	DIR	PD	KEURIG.COM - COFFEE SUPPL
23969		07/05/2021		0721-2	3022	119.75	07/30/2021	DIR	PD	JIMMY JOHN'S - LUNCH FOR
1946632		07/05/2021		0721-2	3023	12.88	07/30/2021	DIR	PD	AMAZON - PARTS
23970		07/05/2021		0721-2	3024	4,994.61	07/30/2021	DIR	PD	NORBERG - FUSES FOR PROJE
23971		07/05/2021		0721-2	3025	39.98	07/30/2021	DIR	PD	SP*BONDIC - LIQUID BONDIN
23972		07/05/2021		0721-2	3026	267.32	07/30/2021	DIR	PD	COMCAST - INTERNET/TV SVC
1946730		07/05/2021		0721-2	3027	12.74	07/30/2021	DIR	PD	ZOOM - MONTHLY MEETING SU
1946815		07/05/2021		0721-2	3028	819.00	07/30/2021	DIR	PD	AERO MIST - DEODORIZING S
1221 BOLLER CONSTRUCTION CO, INC										
23976	20170007	03/31/2021		0721-2	3029	1,188,483.89	07/31/2021	DIR	PD	FACILITY IMPROVEMENT PROJ
881 AIRGAS, INC										
23897	20210005	06/30/2021		0721-1	960074	1,500.00	07/15/2021	INV	PD	YEAR 5 OF VAPORIZER LEASI
23896		07/03/2021		0721-1	960074	71.74	07/15/2021	INV	PD	#2024961-CALIBRATION GAS
						1,571.74				
859 ANALYTICAL SOLUTION, INC										
23898		06/29/2021		0721-1	960075	620.00	07/15/2021	INV	PD	METHANE GAS TESTING - JUN
1260 APPLIED INDUSTRIAL TECHNOLOGIES INC										
23917		03/30/2021		0721-1	960076	337.79	07/15/2021	INV	PD	#1251999-MAINTENANCE SUPP
819 UNITED COMMUNICATIONS										

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
23949		07/15/2021		0721-1	960077	1,125.48	07/15/2021	INV	PD	#1209792-PHONE SVC JUL/AU
490 COMCAST CABLE COMMUNICATIONS, LLC										
23900		06/25/2021		0721-1	960078	267.32	07/15/2021	INV	PD	#8771200570017919-TV/INTE
1138 CONSTELLATION ENERGY SERVICES INC										
23941		07/08/2021		0721-1	960079	1,297.37	07/15/2021	INV	PD	#BG-11933- NATURAL GAS SV
74 DREISILKER ELECTRIC MOTORS INC										
23901		06/30/2021		0721-1	960080	349.23	07/15/2021	INV	PD	#294445-ELECTRICAL PARTS
23903		07/07/2021		0721-1	960080	12.00	07/15/2021	INV	PD	#294445-ELECTRICAL PARTS
23902		07/07/2021		0721-1	960080	12.00	07/15/2021	INV	PD	#294445-ELECTRICAL PARTS
						373.23				
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC										
23938		07/01/2021		0721-1	960081	208.83	07/15/2021	INV	PD	#81393-01
23937		07/01/2021		0721-1	960081	862.40	07/15/2021	INV	PD	#81393-99-ELECTRICAL PART
						1,071.23				
1362 ERIEZ MANUFACTURING CO										
23904		06/30/2021		0721-1	960082	986.10	07/15/2021	INV	PD	MAINTENANCE PARTS - JUN 2
293 VILLAGE OF GLEN ELLYN										
23957		07/01/2021		0721-1	960083	19.86	07/15/2021	INV	PD	#432720-WATER SVC - APR/M
23958		07/01/2021		0721-1	960083	2,294.82	07/15/2021	INV	PD	#610130-WATER SVC - MAY 2
						2,314.68				
297 W.W. GRAINGER, INC.										
23905		06/30/2021		0721-1	960084	41.88	07/15/2021	INV	PD	#801764762-ELECTRICAL SUP
23906		07/01/2021		0721-1	960084	256.72	07/15/2021	INV	PD	#801764762-MAINTENANCE SU
						298.60				
1357 THOMAS GREY										
23907		06/29/2021		0721-1	960085	1,400.00	07/15/2021	INV	PD	CRANE TRAINING/CERTIFICAT
743 GROOT, INC										
23908		07/01/2021		0721-1	960086	491.51	07/15/2021	INV	PD	#3107-69434-001-REFUSE SE
1340 HAUSER IZZO PETRARCA, GLEASON & STILLMAN LLC										
23942		07/08/2021		0721-1	960087	1,035.00	07/15/2021	INV	PD	G2700-LEGAL SVCS - JUN 20
122 HOTSY OF CHICAGO, INC										
23909		06/30/2021		0721-1	960088	28.50	07/15/2021	INV	PD	MAINTENANCE PARTS - JUN 2

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
985 HOLSTEINS GARAGE										
23910		06/30/2021		0721-1	960089	219.50	07/15/2021	INV	PD	SAFETY LANE INSPECTIONS -
1147 ILLINOIS AMERICAN WATER COMPANY										
23911		06/23/2021		0721-1	960090	138.50	07/15/2021	INV	PD	#1025220008432566-VVLS WA
185 KONICA MINOLTA BUSINESS SOLUTIONS INC										
23918		06/25/2021		0721-1	960091	83.51	07/15/2021	INV	PD	#146316-COPIER USAGE MAY/
1133 LAUTERBACH & AMEN, LLP										
23866		06/07/2021		0721-1	960092	2,000.00	06/30/2021	INV	PD	GWA AUDIT
1264 LAWSON PRODUCTS INC										
23919		06/25/2021		0721-1	960093	526.09	07/15/2021	INV	PD	#10274594-MAINT STOCK SUP
295 VILLAGE OF LOMBARD										
23935		07/01/2021		0721-1	960094	14.95	07/15/2021	INV	PD	#30042-001-CSO WATER SVC-
23936		07/01/2021		0721-1	960094	14.95	07/15/2021	INV	PD	#31774-001-GWA WATER SVC
						29.90				
171 MCMASTER-CARR SUPPLY CO.										
23922		06/24/2021		0721-1	960095	6.96	07/15/2021	INV	PD	#7735700-MAINT PARTS - JU
23921		06/24/2021		0721-1	960095	19.93	07/15/2021	INV	PD	#7735700-MAINT PARTS - JU
23920		06/30/2021		0721-1	960095	17.30	07/15/2021	INV	PD	#7735700-MAINT PARTS - JU
23925		07/01/2021		0721-1	960095	12.22	07/15/2021	INV	PD	#7735700-MAINT PARTS - JU
23923		07/01/2021		0721-1	960095	21.86	07/15/2021	INV	PD	#7735700-MAINT PARTS - JU
						78.27				
188 MOTION INDUSTRIES INC										
23926		07/01/2021		0721-1	960096	26.29	07/15/2021	INV	PD	#80514201-ELECTRICAL PART
206 NORTHERN ILLINOIS GAS COMPANY										
23951		07/08/2021		0721-1	960097	27.52	07/15/2021	INV	PD	#9541293076-0-NATURAL GAS
209 NCL OF WISCONSIN INC										
23927		06/25/2021		0721-1	960098	665.41	07/15/2021	INV	PD	#17348-LAB SUPPLIES - JUN
759 NORTHERN SAFETY CO., INC.										
23928		06/23/2021		0721-1	960099	484.80	07/15/2021	INV	PD	#10970382-GLOVES - PPE -
1070 REVERE ELECTRIC SUPPLY										
23959		06/29/2021		0721-1	960100	733.85	07/15/2021	INV	PD	#105086-ELECTRICAL PARTS
23960		06/28/2021		0721-1	960100	746.09	07/15/2021	INV	PD	#105806-ELECTRICAL PARTS

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						1,479.94				
939 STAPLES CONTRACT & COMMERCIAL INC.										
23954		07/06/2021		0721-1	960101	20.99	07/15/2021	INV	PD	#DET1680518-OFFICE SUPPLI
738 SUBURBAN LABORATORIES, INC.										
23931		06/28/2021		0721-1	960102	350.00	07/15/2021	INV	PD	GWA LAB SERVICES-JUN 2021
23932		06/30/2021		0721-1	960102	741.00	07/15/2021	INV	PD	LAB SVCS E-M-OVERTON GEAR
						1,091.00				
988 VERIZON WIRELESS SERVICES LLC										
23956		07/01/2021		0721-1	960103	248.89	07/15/2021	INV	PD	#842065533-00001-REMOTE S
1207 1ST AYD CORPORATION										
23973		07/09/2021		0721-2	960104	591.73	07/31/2021	INV	PD	#6307901901-MAINT CLEANIN
881 AIRGAS, INC										
24024		07/01/2021		0721-2	960105	266.82	07/30/2021	INV	PD	#2024961-ELECTRICAL CALIB
23895		07/03/2021		0721-2	960105	5,397.60	07/15/2021	INV	PD	#2024961-LIQUID OXYGEN -
23947		07/10/2021		0721-2	960105	7,858.40	07/15/2021	INV	PD	#2024961-LIQUID OXYGEN JU
23974		07/17/2021		0721-2	960105	8,185.79	07/31/2021	INV	PD	#2024961-LIQUID OXYGEN -
24023		07/24/2021		0721-2	960105	1,091.72	07/30/2021	INV	PD	#2024961-LIQUID OXYGEN -
						22,800.33				
1249 AQUAFIX, INC.										
24003		07/16/2021		0721-2	960106	1,658.90	07/30/2021	INV	PD	DEODORIZING CHEMICAL - JU
942 POWER UP BATTERIES LLC										
23975		07/16/2021		0721-2	960107	163.14	07/31/2021	INV	PD	#6307901901-ELECTRICAL BA
1350 BROADWAY ELECTRIC, INC.										
23939	20200016	07/08/2021		0721-2	960108	946,225.35	07/15/2021	INV	PD	ELECTRICAL POWER DISTRIBU
23940	20200016	07/08/2021		0721-2	960108	313,245.00	07/15/2021	INV	PD	ELECTRICAL POWER DISTRIBU
						1,259,470.35				
37 CDW GOVERNMENT, INC.										
24019		07/22/2021		0721-2	960109	235.64	07/30/2021	INV	PD	#4019735-COMPUTER ACCESSO
1160 CHICAGO METROPOLITAN FIRE PREVENTION CO.										
23985		07/17/2021		0721-2	960110	177.00	07/31/2021	INV	PD	#6799-ALAMR MONITORING VV
47 CINTAS CORPORATION #769										
23977		07/12/2021		0721-2	960111	169.90	07/31/2021	INV	PD	#14944758-MAINT SHOP TOWE

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
768 CINTAS FIRST AID & SAFETY										
24020		07/23/2021		0721-2	960112	380.07	07/30/2021	INV	PD	#10127979-MONTHLY FIRST A
1218 COLLEY ELEVATOR CO.										
23929		07/01/2021		0721-2	960113	206.00	07/15/2021	INV	PD	#BE0945-MONTHLY ELEVATOR
50 COMMONWEALTH EDISON COMPANY										
24035		07/12/2021		0721-2	960114	18.13	07/31/2021	INV	PD	6243526021 0721
1248 CONCENTRIC INTEGRATION										
24022	20210002	07/23/2021		0721-2	960115	21,636.00	07/30/2021	INV	PD	PLC REPLACEMENT PROJECT
24021		07/23/2021		0721-2	960115	513.00	07/30/2021	INV	PD	#202166.00-IT SUPPORT - J
						22,149.00				
845 DAHME MECHANICAL INDUSTRIES INC										
23986		06/29/2021		0721-2	960116	3,420.00	07/31/2021	INV	PD	VVLS REPAIRS - JUN 2021
994 DIRECT ENERGY MARKETING, INC.										
23980		07/16/2021		0721-2	960117	50,060.45	07/31/2021	INV	PD	#1152328-ELECTRIC USAGE J
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC										
24013		07/19/2021		0721-2	960118	403.35	07/30/2021	INV	PD	#81393-01-ELECTRICAL PART
297 W.W. GRAINGER, INC.										
24015		07/26/2021		0721-2	960119	20.24	07/30/2021	INV	PD	#801764762-HOT WEATHER DR
24027		07/27/2021		0721-2	960119	258.60	07/30/2021	INV	PD	#801764762-JANITORIAL SUP
24025		07/28/2021		0721-2	960119	8.55	07/30/2021	INV	PD	#801764762-MAINT WASP SPR
24026		07/27/2021		0721-2	960119	172.38	07/30/2021	INV	PD	#801764762- ELECTRICAL PA
24016		11/30/2020		0721-2	960119	125.70	07/30/2021	INV	PD	#801764762-JANITORIAL SUP
23982		07/14/2021		0721-2	960119	183.66	07/31/2021	INV	PD	#2024961-ELECTRICAL SUPPL
23981		07/15/2021		0721-2	960119	147.92	07/31/2021	INV	PD	#801764762-BOOT CLEANERS
24018		07/22/2021		0721-2	960119	336.57	07/30/2021	INV	PD	#801764762-MAINT TOOLS -
						1,253.62				
124 HOME DEPOT USA, INC										
23961		06/30/2021		0721-2	960120	140.12	07/15/2021	INV	PD	#7114-ELECTRICAL SUPPLIES
23965		06/29/2021		0721-2	960120	20.31	07/15/2021	INV	PD	#7114-MAINT SUPPLIES - JU
23964		06/28/2021		0721-2	960120	9.03	07/15/2021	INV	PD	#7114-MAINT SUPPLIES - JU
23962		07/07/2021		0721-2	960120	254.07	07/15/2021	INV	PD	#7114-MAINT LADDER - JUL
24029		07/26/2021		0721-2	960120	-45.23	07/30/2021	CRM	PD	#7114-MAINT -RETURNED ITE
24030		07/26/2021		0721-2	960120	55.12	07/30/2021	INV	PD	#7114-MAINT - TOOLS & SUP
24028		07/26/2021		0721-2	960120	45.23	07/30/2021	INV	PD	#7114-MAINT SUPPLIES - JU
23963		06/23/2021		0721-2	960120	14.92	07/15/2021	INV	PD	#7114-MAINS UPPLIES - JUN
						493.57				
126 ILLINOIS ASSN. OF WASTEWATER AGENCIES										

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
23983		07/15/2021		0721-2	960122	60.00	07/31/2021	INV	PD	IAWA TECHNICAL CONF REG-S
430 ILLINOIS EPA FISCAL SERVICES SEC.										
23913		06/28/2021		0721-2	960123	52,500.00	07/15/2021	INV	PD	#il0021547-IEPA NPDES PER
23914		06/28/2021		0721-2	960123	20,000.00	07/15/2021	INV	PD	IL0022471-IEPA NPDES PERM
						72,500.00				
1214 IMPACT NETWORKING, LLC										
24014		07/22/2021		0721-2	960124	190.00	07/30/2021	INV	PD	#14156-B-COPIER PAPER - J
1353 INDEPENDENT MECHANICAL INDUSTRIES, INC.										
24004	20210009	06/30/2021		0721-2	960125	45,495.00	07/30/2021	INV	PD	BIOSOLIDS DEWATERING IMPR
1278 TYCO FIRE & SECURITY (US) MANAGEMENT, INC.										
23987		07/10/2021		0721-2	960126	142.18	07/31/2021	INV	PD	#1300133259417-ST CHAS AL
23984		07/10/2021		0721-2	960126	138.00	07/31/2021	INV	PD	#1300133268280-GWA ALARM
						280.18				
1133 LAUTERBACH & AMEN, LLP										
23865		03/22/2021		0721-2	960127	9,700.00	06/30/2021	INV	PD	GWA AUDIT
157 LEN'S ACE HARDWARE, INC.										
23988		07/01/2021		0721-2	960128	73.03	07/31/2021	INV	PD	#331050-OPERATIONS SUPPLI
23989		07/08/2021		0721-2	960128	2.37	07/31/2021	INV	PD	#331050-OPERATIONS SUPPLI
						75.40				
171 MCMASTER-CARR SUPPLY CO.										
23950		07/07/2021		0721-2	960129	546.44	07/15/2021	INV	PD	#7735700-MAINT PARTS - JU
24008		07/22/2021		0721-2	960129	19.00	07/30/2021	INV	PD	#7735700-MAINT PARTS - JU
24007		07/22/2021		0721-2	960129	46.99	07/30/2021	INV	PD	#7735700-MAINT TOOLS - JU
						612.43				
1223 CAPITAL ONE NATIONAL ASSN										
23990		06/30/2021		0721-2	960130	430.38	07/31/2021	INV	PD	#535690-MAINTENANCE EQUIP
24009		07/15/2021		0721-2	960130	7.64	07/30/2021	INV	PD	#535690-MAINT TOOLS - JUL
						438.02				
178 MICHAEL'S UNIFORM COMPANY, INC.										
23991		07/13/2021		0721-2	960131	451.00	07/31/2021	INV	PD	UNIFORMS - SPRING/SUMMER
24005		07/23/2021		0721-2	960131	32.88	07/30/2021	INV	PD	2021 SPRING/SUMMER UNIFOR
						483.88				
190 SID TOOL CO, INC										
23946		07/07/2021		0721-2	960132	132.93	07/15/2021	INV	PD	#1622985-MAINT PARTS - JU

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1142 GENUINE PARTS CO-NAPA										
24031		07/22/2021		0721-2	960133	49.99	07/30/2021	INV	PD	#13643-OPERATIONS PARTS -
1168 NORTHERN TOOL & EQUIPMENT										
24010		07/23/2021		0721-2	960134	959.90	07/30/2021	INV	PD	#199902-MAINT TOOLS - JUL
24032		07/26/2021		0721-2	960134	69.98	07/30/2021	INV	PD	#199902-MAINT - TOOLS - J
						1,029.88				
211 OMI INDUSTRIES										
23992		07/15/2021		0721-2	960135	369.01	07/31/2021	INV	PD	DEODORIZING SYSTEM PARTS
224 POLYDYNE INC										
23930		06/28/2021		0721-2	960136	5,198.00	07/15/2021	INV	PD	#103379-OPERATIONS POLYME
237 RANDALL PRESSURE SYSTEMS, INC.										
23993		07/20/2021		0721-2	960137	461.74	07/31/2021	INV	PD	#334020-CHP PARTS - JUL 2
1070 REVERE ELECTRIC SUPPLY										
23994		07/02/2021		0721-2	960138	72.01	07/31/2021	INV	PD	#105806-ELECTRICAL PARTS
1212 RJN GROUP, INC										
23953	20210006	07/07/2021		0721-2	960139	15,349.00	07/15/2021	INV	PD	YEAR TWO OF FLOW MONITORI
1346 SEBERT LANDSCAPING										
23995	20210001	07/01/2021		0721-2	960140	3,299.00	07/30/2021	INV	PD	LANDSCAPE MAINTENANCE SER
939 STAPLES CONTRACT & COMMERCIAL INC.										
23996		07/16/2021		0721-2	960141	32.58	07/30/2021	INV	PD	#DET1680518-OFFICE SUPPLI
464 STRAND ASSOCIATES, INC.										
23997	20180005	07/13/2021		0721-2	960142	7,293.04	07/30/2021	INV	PD	ELECTRICAL DESIGN, ENG SV
738 SUBURBAN LABORATORIES, INC.										
24033		07/27/2021		0721-2	960143	1,111.50	07/30/2021	INV	PD	LAB SERVICES - JUL 2021
24034		07/29/2021		0721-2	960143	768.00	07/30/2021	INV	PD	LAB SERVICES - JUL 2021
						1,879.50				
1271 SYNAGRO-WWT										
23998		07/01/2021		0721-2	960144	19,891.20	07/30/2021	INV	PD	#3430-BIOSOLIDS DISPOSAL
271 TERRACE SUPPLY COMPANY										

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VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
23945		06/30/2021		0721-2	960145	63.00	07/15/2021	INV	PD	#315850-MAINT WELDING GAS
23955		07/09/2021		0721-2	960145	6.34	07/15/2021	INV	PD	#315850-MAINT WELDING SUP
24000		07/19/2021		0721-2	960145	97.20	07/30/2021	INV	PD	#315850-WELDING GLOVES -
						166.54				
1001 TROTTER AND ASSOCIATES, INC.										
23943	20200002	06/30/2021		0721-2	960146	8,336.25	07/15/2021	INV	PD	BIOSOLIDS DEWATERING IMP
1074 UNISON SOLUTIONS, INC.										
24001	20210010	07/13/2021		0721-2	960147	23,266.00	07/30/2021	INV	PD	CHP MEDIA
1335 U.S. PEROXIDE, LLC										
23944		05/27/2021		0721-2	960148	12,459.72	07/15/2021	INV	PD	#500694-ODOR CONTROL CHEM
1344 VEGA BUILDING MAINTENANCE & SUPPLIES INC										
23934	20210003	07/01/2021		0721-2	960149	1,148.00	07/15/2021	INV	PD	YEAR ONE JANITORIAL SERVI
988 VERIZON WIRELESS SERVICES LLC										
24012		07/18/2021		0721-2	960150	462.90	07/30/2021	INV	PD	#687026363-00001-CELL PHO
		135 INVOICES				3,141,709.93				

** END OF REPORT - Generated by Colette Ameche **

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VENDOR INVOICE LIST

1268 JP MORGAN CHASE NA

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1946536		08/05/2021		0821-2	3030	50.97	08/31/2021	DIR	PD	AMAZON - LAUNDRY BASKETS
24109		08/05/2021		0821-2	3031	13.14	08/31/2021	DIR	PD	AMAZON - HOOKS FOR LAUNDR
24110		08/05/2021		0821-2	3032	38.23	08/31/2021	DIR	PD	JEWEL - BEVERAGES FOR STA
24111		08/05/2021		0821-2	3033	383.68	08/31/2021	DIR	PD	AMAZON - TOOLS FOR MAINTE
24112		08/05/2021		0821-2	3034	70.45	08/31/2021	DIR	PD	KEURIG - COFFEE SUPPLIES
24113		08/05/2021		0821-2	3035	108.59	08/31/2021	DIR	PD	JOHNSON THERMAL SYSTEMS
24114		08/05/2021		0821-2	3036	11.99	08/31/2021	DIR	PD	KEURIG - COFFEE SUPPLIES
24115		08/05/2021		0821-2	3037	20.97	08/31/2021	DIR	PD	JEWEL - INSECT REPELLANT
24116		08/05/2021		0821-2	3038	20.00	08/31/2021	DIR	PD	CSWEA - OPERATIONS TRAINI
24117		08/05/2021		0821-2	3039	20.00	08/31/2021	DIR	PD	CSWEA - OPERATORS TRAININ
24118		08/05/2021		0821-2	3040	20.00	08/31/2021	DIR	PD	CSWEA - OPERATORS TRAININ
24119		08/05/2021		0821-2	3041	89.00	08/31/2021	DIR	PD	AT&T - BACKUP INTERNET
24120		08/05/2021		0821-2	3042	575.00	08/31/2021	DIR	PD	HOLIDAY INN - IPSI PAKOST
24121		08/05/2021		0821-2	3043	575.00	08/31/2021	DIR	PD	HOLIDAY INN - IPSI STAAT
24122		08/05/2021		0821-2	3044	214.00	08/31/2021	DIR	PD	JIMMY JOHNS - FORK LIFT T
1946816		08/05/2021		0821-2	3045	1,700.00	08/31/2021	DIR	PD	ALL PURPOSE TRAINING - FO
24123		08/05/2021		0821-2	3046	21.00	08/31/2021	DIR	PD	LESLIE CAR WASH - VEHICLE
1946731		08/05/2021		0821-2	3047	12.74	08/31/2021	DIR	PD	ZOOM - MONTHLY VIRTUAL ME
24124		08/05/2021		0821-2	3048	240.29	08/31/2021	DIR	PD	IEPA - ROSS FEES
24125		08/05/2021		0821-2	3049	1,181.72	08/31/2021	DIR	PD	INTERSTATE PRODUCTS - ACI
1946633		08/05/2021		0821-2	3050	2,399.99	08/31/2021	DIR	PD	EBAY - PARTS
24126		08/05/2021		0821-2	3051	429.95	08/31/2021	DIR	PD	AMAZON - COMPUTER PARTS
24127		08/05/2021		0821-2	3052	50.96	08/31/2021	DIR	PD	AMAZON - COMPUTER CABLES
24128		08/05/2021		0821-2	3053	204.00	08/31/2021	DIR	PD	MSFT/MICROSOFT-SOFTWARE L
24129		08/05/2021		0821-2	3054	66.46	08/31/2021	DIR	PD	IL SEC OF STATE - D/L REN
24130		08/05/2021		0821-2	3055	76.49	08/31/2021	DIR	PD	PAYPAL - MISC PARTS

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1906927		08/05/2021		0821-2	3056	575.00	08/31/2021	DIR	PD	HOLIDAY INN - IPSI HOTEL
2065511		08/05/2021		0821-2	3057	575.00	08/31/2021	DIR	PD	HOLIDAY INN - IPSI
24131		08/05/2021		0821-2	3058	45.18	08/31/2021	DIR	PD	PHILLIPS 66 - GAS FOR IPS
293 VILLAGE OF GLEN ELLYN										
1013192		08/17/2021		0821-2	3059	14,184.67	08/31/2021	DIR	PD	MONTHLY IFT TRANSFER
1166 IDEA MARKETING GROUP, INC										
24036		07/01/2021		0821-1	960151	95.00	07/30/2021	INV	PD	WEBSITE HOSTING FEES - JU
881 AIRGAS, INC										
24069	20210005	07/31/2021		0821-1	960152	1,500.00	08/15/2021	INV	PD	YEAR 5 OF VAPORIZER LEASI
24037		07/31/2021		0821-1	960152	10,516.93	08/15/2021	INV	PD	#2024961-LIQUID OXYGEN -
24071		08/07/2021		0821-1	960152	76.62	08/15/2021	INV	PD	2024961-ELECTRICAL CALIBR
						12,093.55				
1364 B&B NETWORKS, INC.										
24038		08/01/2021		0821-1	960153	658.75	08/15/2021	INV	PD	TELEPHONE SYSTEM TROUBLES
819 UNITED COMMUNICATIONS										
24072		08/15/2021		0821-1	960154	1,215.70	08/15/2021	INV	PD	1209792-TELEPHONE BILL-AU
1218 COLLEY ELEVATOR CO.										
24039		08/01/2021		0821-1	960155	206.00	08/15/2021	INV	PD	#BE0945 ELEVATOR SVC - AU
50 COMMONWEALTH EDISON COMPANY										
24101		08/10/2021		0821-1	960156	17.45	08/15/2021	INV	PD	#6243526021
490 COMCAST CABLE COMMUNICATIONS, LLC										
24040		07/25/2021		0821-1	960157	266.59	08/15/2021	INV	PD	#8771200570017919-INTERNE
62 PADDOCK PUBLICATIONS, INC										
24075		08/06/2021		0821-1	960158	994.20	08/15/2021	INV	PD	41115 - ANNUAL PAPER SUBS
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC										
24106		08/02/2021		0821-1	960159	379.23	08/15/2021	INV	PD	#81393-99-ELECTRICAL PART
293 VILLAGE OF GLEN ELLYN										
24102		08/01/2021		0821-1	960160	1,174.72	08/15/2021	INV	PD	ACCT9289-610130-WATER SVC
24103		08/01/2021		0821-1	960160	19.86	08/15/2021	INV	PD	9289-432720-WATER SVC - J

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						1,194.58				
297 W.W. GRAINGER, INC.										
24043		07/29/2021		0821-1	960161	172.38	08/15/2021	INV	PD	#801764762-ELECTRICAL SUP
24042		07/30/2021		0821-1	960161	2.83	08/15/2021	INV	PD	#801764762-ELECTRICAL SUP
24041		08/03/2021		0821-1	960161	28.30	08/15/2021	INV	PD	#801764762-ELECTRICAL SUP
24079		08/04/2021		0821-1	960161	35.01	08/15/2021	INV	PD	901764762-ELECTRICAL TOOL
24077		08/05/2021		0821-1	960161	375.50	08/15/2021	INV	PD	801764762-ELECTRICAL SUPP
						614.02				
743 GROOT, INC										
24044		08/01/2021		0821-1	960162	470.51	08/15/2021	INV	PD	#31076943400-REFUSE SVCS
1340 HAUSER IZZO PETRARCA, GLEASON & STILLMAN LLC										
24080		08/09/2021		0821-1	960163	69.00	08/15/2021	INV	PD	G2700-LEGAL SVCS-JULY 202
124 HOME DEPOT USA, INC										
24083		08/09/2021		0821-1	960164	18.56	08/15/2021	INV	PD	7114-MAINT SUPPLIES-AUG 2
24082		08/06/2021		0821-1	960164	7.47	08/15/2021	INV	PD	7114-ELECTRICAL SUPPLIES-
24045		08/03/2021		0821-1	960164	318.97	08/15/2021	INV	PD	#7114-OPERATIONS LAWN TOO
24107		08/11/2021		0821-1	960164	-14.49	08/11/2021	CRM	PD	#7114-RETURNED ITEMS - AU
24081		08/09/2021		0821-1	960164	20.00	08/15/2021	INV	PD	7114-LATE FEE-JULY 2021
						350.51				
1166 IDEA MARKETING GROUP, INC										
24048		08/01/2021		0821-1	960165	95.00	08/15/2021	INV	PD	MONTHLY WEBSITE HOSTING-A
1147 ILLINOIS AMERICAN WATER COMPANY										
24049		07/26/2021		0821-1	960166	137.46	08/15/2021	INV	PD	#1025220008432566-WATER S
185 KONICA MINOLTA BUSINESS SOLUTIONS INC										
24050		07/25/2021		0821-1	960167	45.50	08/15/2021	INV	PD	#146316-COPIER USAGE - JU
157 LEN'S ACE HARDWARE, INC.										
24053		07/29/2021		0821-1	960168	25.27	08/15/2021	INV	PD	#331050-OPEARTIONS SUPPLI
24051		07/30/2021		0821-1	960168	-11.18	08/15/2021	CRM	PD	#331050-CREDIT FOR RETURN
24052		07/30/2021		0821-1	960168	19.99	08/15/2021	INV	PD	#331050-OPERATIONS SUPPLI
						34.08				
295 VILLAGE OF LOMBARD										
24104		08/01/2021		0821-1	960169	14.95	08/15/2021	INV	PD	#31774-001-WATER SVC-JUN
24105		08/01/2021		0821-1	960169	176.59	08/15/2021	INV	PD	30042-001-CSO WATER SVC-J
						191.54				
171 MCMASTER-CARR SUPPLY CO.										

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
24054		07/26/2021		0821-1	960170	26.33	08/15/2021	INV	PD	#7735700-ELECTRICAL TOOLS
206 NORTHERN ILLINOIS GAS COMPANY										
24092		08/06/2021		0821-1	960171	26.84	08/15/2021	INV	PD	95412930760-NAT GAS SUNNY
209 NCL OF WISCONSIN INC										
24058		08/04/2021		0821-1	960172	908.64	08/15/2021	INV	PD	#17348-LAB SUPPLIES - AUG
1293 POLACH APPRAISAL GROUP, INC										
24055		08/04/2021		0821-1	960173	900.00	08/15/2021	INV	PD	21W536 BEMIS ROAD APPRAIS
224 POLYDYNE INC										
24056		07/23/2021		0821-1	960174	10,396.00	08/15/2021	INV	PD	#103379-OPERATIONS CHEMIC
412 NESTLE WATERS NORTH AMERICA										
24093		08/06/2021		0821-1	960175	120.83	08/15/2021	INV	PD	8100616302-BOTT WTR SVC-J
1070 REVERE ELECTRIC SUPPLY										
24061		07/19/2021		0821-1	960176	733.85	07/22/2021	INV	PD	#105806-ELECTRICAL PARTS
24059		07/21/2021		0821-1	960176	367.95	08/15/2021	INV	PD	#105806-ELECTRICAL PARTS
24060		07/22/2021		0821-1	960176	-733.85	07/22/2021	CRM	PD	#105806-RETURNED ITEMS -
24094		07/30/2021		0821-1	960176	899.61	08/15/2021	INV	PD	105806-ELECTRICAL PARTS-J
						1,267.56				
939 STAPLES CONTRACT & COMMERCIAL INC.										
24063		07/20/2021		0821-1	960177	21.09	08/15/2021	INV	PD	DET1680518-OFFICE SUPPLIE
24062		07/30/2021		0821-1	960177	31.17	08/15/2021	INV	PD	DET1680518-OFFICE SUPPLIE
						52.26				
738 SUBURBAN LABORATORIES, INC.										
24064		08/03/2021		0821-1	960178	350.00	08/15/2021	INV	PD	LAB SERVICES - JUL 2021
24096		08/10/2021		0821-1	960178	650.00	08/15/2021	INV	PD	LAB TESTING SVCS-JULY 202
						1,000.00				
477 UNITED PARCEL SERVICE, INC										
24066		07/31/2021		0821-1	960179	49.34	08/15/2021	INV	PD	9YF103-MAINT FREIGHT SVCS
1344 VEGA BUILDING MAINTENANCE & SUPPLIES INC										
24067	20210003	08/02/2021		0821-1	960180	1,148.00	08/15/2021	INV	PD	YEAR ONE JANITORIAL SERVI
988 VERIZON WIRELESS SERVICES LLC										
24100		08/01/2021		0821-1	960181	248.81	08/15/2021	INV	PD	842065533-00001 REMOTE SI
309 WILKENS-ANDERSON CO.										

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
23820		03/12/2021		0821-1	960182	-162.00	06/15/2021	CRM	PD	#3374-CREDIT FOR RETURNED
23819		05/26/2021		0821-1	960182	144.88	06/15/2021	INV	PD	#3374-LAB SUPPLIES - MAY
24068		07/28/2021		0821-1	960182	180.51	08/15/2021	INV	PD	#3374-LAB SUPPLIES - JUL
						163.39				
881 AIRGAS, INC										
24188		05/22/2021		0821-2	960183	1,436.27	08/30/2021	INV	PD	2024961-LIQ OXYGEN-MAY 20
24070		08/07/2021		0821-2	960183	5,075.97	08/15/2021	INV	PD	#2024961-LIQUID OXYGEN-AU
24134		08/14/2021		0821-2	960183	3,300.67	08/31/2021	INV	PD	2024961-LIQUID OXYGEN - A
24168		08/21/2021		0821-2	960183	4,701.73	08/30/2021	INV	PD	2024961-LIQ OXY-AUG 2021
						14,514.64				
1130 ALFA LAVAL INC										
24175		08/19/2021		0821-2	960184	226.90	08/30/2021	INV	PD	E78270-MAINT TOOLS-AUG 20
877 ALLIED ELECTRONICS										
24108		07/29/2021		0821-2	960185	259.38	08/15/2021	INV	PD	#10057576-MAINT PARTS - J
1294 ASHLEY STAAT										
24147		08/16/2021		0821-2	960186	60.00	08/31/2021	INV	PD	1294-IPSI REIMB-JULY 2021
1088 BANNER PERSONNEL SERVICE, INC.										
24135		08/07/2021		0821-2	960187	165.12	08/31/2021	INV	PD	77006-TEMP SVC-AUG 2021
958 BAXTER & WOODMAN, INC.										
24189		08/19/2021		0821-2	960188	2,818.75	08/30/2021	INV	PD	GLEWA-NPDES PERMIT REV-AU
656 JON BRAGA										
24158		08/16/2021		0821-2	960189	60.00	08/30/2021	INV	PD	IPSI EXP-JULY 2021
33 CALCO, LTD.										
24169		08/18/2021		0821-2	960190	147.00	08/30/2021	INV	PD	8061-OPS SUPPLY-AUG 2021
37 CDW GOVERNMENT, INC.										
24136		08/12/2021		0821-2	960191	186.32	08/31/2021	INV	PD	4019735-I PAD CASE-AUG 20
768 CINTAS FIRST AID & SAFETY										
24170		08/20/2021		0821-2	960192	362.03	08/30/2021	INV	PD	10127979-FIRST AID-AUG 20
1248 CONCENTRIC INTEGRATION										
24179		08/19/2021		0821-2	960193	135.00	08/30/2021	INV	PD	GLEWA-PROJECT 200932-AUG
24180		08/19/2021		0821-2	960193	2,064.00	08/30/2021	INV	PD	GLEWA-PROJECT 202166 T&M

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						2,199.00				
1307 CONSERV FS INC										
24074		07/30/2021		0821-2	960194	2,360.40	08/15/2021	INV	PD	809450-MAINT LUBRICANTS-J
24137		08/11/2021		0821-2	960194	56.45	08/31/2021	INV	PD	0809450-MAINT SUPL-AUG 20
						2,416.85				
1138 CONSTELLATION ENERGY SERVICES INC										
24132		08/16/2021		0821-2	960195	1,153.76	08/31/2021	INV	PD	#BG-11933
994 DIRECT ENERGY MARKETING, INC.										
24133		08/16/2021		0821-2	960196	36,189.98	08/31/2021	INV	PD	#1152328-ELECTRICAL USAGE
1250 FREDRIKSEN FIRE EQUIPMENT COMPANY										
24199		08/17/2021		0821-2	960197	450.00	08/30/2021	INV	PD	#GLEW02-FIRE EXTING. SAFE
24159		08/17/2021		0821-2	960197	3,011.10	08/30/2021	INV	PD	GLEW02-FIRE EXT MAINT-AUG
						3,461.10				
297 W.W. GRAINGER, INC.										
24078		08/05/2021		0821-2	960198	217.43	08/15/2021	INV	PD	801764762-LUNCHROOM TRS C
24076		08/11/2021		0821-2	960198	102.03	08/15/2021	INV	PD	801764762-HAND SOAP-AUG 2
24141		08/13/2021		0821-2	960198	27.38	08/31/2021	INV	PD	801764762-ELECT TOOLS-AUG
24140		08/13/2021		0821-2	960198	24.40	08/31/2021	INV	PD	801764762-MAINT TOOLS-AUG
24157		08/17/2021		0821-2	960198	375.50	08/18/2021	INV	PD	801764762-ELEC SUPL-AUG 2
24162		08/18/2021		0821-2	960198	61.54	08/30/2021	INV	PD	801764762-MAINT TOOLS-AUG
24160		08/18/2021		0821-2	960198	401.28	08/30/2021	INV	PD	801764762-MAINT SUP-AUG 2
24202		08/20/2021		0821-2	960198	349.61	08/30/2021	INV	PD	#801764762-METER CALIBRAT
24194		08/25/2021		0821-2	960198	68.78	08/30/2021	INV	PD	801764762-MTNCE ELECL-AUG
24193		08/26/2021		0821-2	960198	172.38	08/30/2021	INV	PD	801764762-OPER SUPL-AUG 2
24156		08/16/2021		0821-2	960198	-375.50	08/16/2021	CRM	PD	801764762-ORG INV 9013641
24161		08/18/2021		0821-2	960198	-12.20	08/30/2021	CRM	PD	8017674762-ORIG INV902141
						1,412.63				
124 HOME DEPOT USA, INC										
24086		07/27/2021		0821-2	960199	12.40	08/15/2021	INV	PD	7114--MAINT TOOLS - JUL.Y
24087		07/27/2021		0821-2	960199	2.09	08/15/2021	INV	PD	7114-MAINT TOOLS - JULY 2
						14.49				
787 JWC ENVIRONMENTAL LLC										
24154		08/11/2021		0821-2	960200	10,426.00	08/31/2021	INV	PD	5033256-CAM CUTTERS-AUG 2
157 LEN'S ACE HARDWARE, INC.										
24142		08/11/2021		0821-2	960201	14.03	08/31/2021	INV	PD	331050-MAINT SUPL-AUG 202
24186		08/21/2021		0821-2	960201	10.00	08/30/2021	INV	PD	331050-OPER SUPL-AUG 2021
24192		08/25/2021		0821-2	960201	42.46	08/30/2021	INV	PD	331050-OPER SUPL-AUG 2021

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						66.49				
171 MCMASTER-CARR SUPPLY CO.										
24090		08/04/2021		0821-2	960202	103.69	08/15/2021	INV	PD	7735700-MAINT SUPPL-AUG 2
24089		08/04/2021		0821-2	960202	41.77	08/15/2021	INV	PD	7735700-COOLANT - AUG 202
24088		08/05/2021		0821-2	960202	25.91	08/15/2021	INV	PD	7735700-MAINT SUPPL-AUG 2
24144		08/12/2021		0821-2	960202	117.03	08/31/2021	INV	PD	63228474-MAINT TOOLS-AUG
24171		08/18/2021		0821-2	960202	7.88	08/30/2021	INV	PD	7735700-MTNC SUPP-AUG 202
24181		08/19/2021		0821-2	960202	1,086.57	08/30/2021	INV	PD	7735700-MTNC SUP-AUG 2021
						1,382.85				
188 MOTION INDUSTRIES INC										
24091		08/12/2021		0821-2	960203	78.24	08/15/2021	INV	PD	80514201-MAINT PART-AUG 2
24191		08/25/2021		0821-2	960203	10.08	08/30/2021	INV	PD	80514201-ELECT SUPL-AUG 2
						88.32				
836 ANDREW PAKOSTA										
24163		08/16/2021		0821-2	960204	60.00	08/30/2021	INV	PD	IPSI REIMBURSEMENT-JULY 2
226 PORTER PIPE AND SUPPLY CO										
23879		06/16/2021		0821-2	960205	-163.78	06/16/2021	CRM	PD	#1823-MERCHANDISE RETURN
23880		06/22/2021		0821-2	960205	140.66	06/30/2021	INV	PD	#1823-MAINT SUPPLIES - JU
24176		08/19/2021		0821-2	960205	111.99	08/30/2021	INV	PD	1823-MTNC SUP-AUG 2021
						88.87				
237 RANDALL PRESSURE SYSTEMS, INC.										
24145		08/17/2021		0821-2	960206	314.86	08/31/2021	INV	PD	334020-N PRIM DEO SYS-AUG
180 RELADYNE -MID-TOWN PETROLEUM INC.										
24182		08/13/2021		0821-2	960207	1,911.55	08/30/2021	INV	PD	11-0002836-MTNC SUP-AUG 2
1212 RJN GROUP, INC										
24095	20210006	08/04/2021		0821-2	960208	9,649.00	08/15/2021	INV	PD	YEAR TWO OF FLOW MONITORI
939 STAPLES CONTRACT & COMMERCIAL INC.										
24149		08/11/2021		0821-2	960209	303.98	08/31/2021	INV	PD	DET 1680518-LUNCHRM SUP-A
24150		08/11/2021		0821-2	960209	10.12	08/31/2021	INV	PD	DET-OFFICE SUP-AUG 2021
24151		08/12/2021		0821-2	960209	42.27	08/31/2021	INV	PD	DET 1680518-OFF SUPP-AUG
24152		08/12/2021		0821-2	960209	30.99	08/31/2021	INV	PD	DET 1680518-OFF SUPPL-AUG
						387.36				
738 SUBURBAN LABORATORIES, INC.										
24164		08/18/2021		0821-2	960210	741.00	08/30/2021	INV	PD	GLENBARD_INDUSTRY-LAB SVC
24183		08/23/2021		0821-2	960210	1,818.80	08/30/2021	INV	PD	GLENBARD_WWTP-LAB FEES-AU
24195		08/26/2021		0821-2	960210	647.00	08/30/2021	INV	PD	GLENBARD_WWTP-LAB FEES-AU

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						3,206.80				
1271 SYNAGRO-WWT										
24097		08/01/2021		0821-2	960211	17,203.20	08/15/2021	INV	PD	3430-SLUDGE HAULING-JULY
271 TERRACE SUPPLY COMPANY										
24098		07/31/2021		0821-2	960212	68.20	08/15/2021	INV	PD	315850-MAINT GAS CYL RENT
1299 THOMAS ROMZA										
24146		08/16/2021		0821-2	960213	60.00	08/31/2021	INV	PD	24146-IPSI REIMB-JULY 202
1001 TROTTER AND ASSOCIATES, INC.										
24099	20200002	07/31/2021		0821-2	960214	9,416.25	08/15/2021	INV	PD	BIOSOLIDS DEWATERING IMP
1335 U.S. PEROXIDE, LLC										
24196		08/25/2021		0821-2	960215	10,121.52	08/30/2021	INV	PD	UC500694.001-CHEMICALS-AU
491 VWR INTERNATIONAL, INC.										
24185		08/17/2021		0821-2	960216	398.14	08/30/2021	INV	PD	80020526-OPER SUPL-AUG 20
24184		08/17/2021		0821-2	960216	412.16	08/30/2021	INV	PD	80020526-MTNC SUP-AUG 202
						810.30				
309 WILKENS-ANDERSON CO.										
24153		08/11/2021		0821-2	960217	128.85	08/31/2021	INV	PD	3374-LAB SUP-AUG 2021
		152 INVOICES				190,449.51				

** END OF REPORT - Generated by Colette Ameche **

SEPTEMBER 2021

GLENBARD WASTEWATER AUTHORITY
APPROVAL OF VOUCHERS
For the meeting in October 2021

EXPENDITURES:	Check Date	Paid Amount		
Accounts Payable Warrant 0921-1	7/15/2021	$ 826,045.96		
Accounts Payable Warrant 0921-2	8/3/2021	689,903.53		
		$ 1,515,949.49	Warrant Total	$ 1,515,949.49

PAYROLL EXPENDITURES:	September 10, 2021	September 24, 2021	
Net Employee Payroll Checks	$ 39,887.90	$ 38,409.08	
Employee & Employer Payroll Deductions:			
Employee Deductions*	$ 20,835.79	$ 19,987.67	
IMRF - Employer contribution	$ 4,968.34	$ 4,817.81	
Social Security/Medicare Tax Withheld - Employer portion	$ 4,418.99	$ 4,256.32	
Total Payroll	$ 70,111.02	$ 67,470.88	$ 137,581.90
		GRAND TOTAL	$ 1,653,531.39

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VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
293 VILLAGE OF GLEN ELLYN										
1013193		09/28/2021		0921-2	3060	14,184.67	09/30/2021	DIR	PD	MONTHLY IFT TRANSFER
1268 JP MORGAN CHASE NA										
1906928		09/05/2021		0921-2	3061	267.81	09/30/2021	DIR	PD	BUYAQMATIC.COM - PUMP PAR
24336		09/05/2021		0921-2	3062	59.88	09/30/2021	DIR	PD	JEWEL - ICE FOR CLEANING
1946634		09/05/2021		0921-2	3063	1,399.98	09/30/2021	DIR	PD	BESTBUY - IPADS FOR CMMS
24337		09/05/2021		0921-2	3064	1,399.98	09/30/2021	DIR	PD	BESTBUY - IPADS FOR CMMS
24338		09/05/2021		0921-2	3065	50.79	09/30/2021	DIR	PD	EBAY.COM - SPARE OEM ELEC
24339		09/05/2021		0921-2	3066	164.00	09/30/2021	DIR	PD	EBAY.COM - SPARE OEM ELEC
24340		09/05/2021		0921-2	3067	89.97	09/30/2021	DIR	PD	BESTBUY - COMPUTER ADAPTE
24341		09/05/2021		0921-2	3068	36.07	09/30/2021	DIR	PD	AMAZON - COMPUTER ADAPTER
24342		09/05/2021		0921-2	3069	18.99	09/30/2021	DIR	PD	AMAZON - IPAD SCREEN PROT
24343		09/05/2021		0921-2	3070	32.29	09/30/2021	DIR	PD	AMAZON - IPAD PROTECTIVE
24344		09/05/2021		0921-2	3071	149.00	09/30/2021	DIR	PD	APPLE - APPLE ICARE
24345		09/05/2021		0921-2	3072	35.28	09/30/2021	DIR	PD	AMAZON - IPAD PROTECTIVE
24346		09/05/2021		0921-2	3073	149.00	09/30/2021	DIR	PD	APPLE - APPLE CARE
24347		09/05/2021		0921-2	3074	35.28	09/30/2021	DIR	PD	AMAZON - IPHONE PROTECTIV
24348		09/05/2021		0921-2	3075	127.79	09/30/2021	DIR	PD	LIGHTING SUPPLY - ELECTRI
1946817		09/05/2021		0921-2	3076	20.00	09/30/2021	DIR	PD	CSWEA - DILLMANN OPERATOR
24349		09/05/2021		0921-2	3077	20.00	09/30/2021	DIR	PD	CSWEA - DILLMANN OPERATOR
1946732		09/05/2021		0921-2	3078	12.74	09/30/2021	DIR	PD	ZOOM - MONTHLY SUBSCRIPTI
24350		09/05/2021		0921-2	3079	25.37	09/30/2021	DIR	PD	KWIK TRIP - GAS TO SWSEA
1946537		09/05/2021		0921-2	3080	20.00	09/30/2021	DIR	PD	CSWEA - DZIEWIOR OPERATIO
24351		09/05/2021		0921-2	3081	20.00	09/30/2021	DIR	PD	CSWEA - DZIEWIOR OPERATIO
24352		09/05/2021		0921-2	3082	20.00	09/30/2021	DIR	PD	CSWEA - DZIEWIOR OPERATIO
24353		09/05/2021		0921-2	3083	74.00	09/30/2021	DIR	PD	CHICAGO TRIBUNE - BI-MONT
24354		09/05/2021		0921-2	3084	20.00	09/30/2021	DIR	PD	CSWEA - NEIGHBORS OPERATO

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
24355		09/05/2021		0921-2	3085	91.98	09/30/2021	DIR	PD	AMAZON - SLEEPING COTS FO
24356		09/05/2021		0921-2	3086	24.99	09/30/2021	DIR	PD	AMAZON - IPAD PROTECTOR
24357		09/05/2021		0921-2	3087	110.00	09/30/2021	DIR	PD	NYDIRECT.COM - WATER FILT
24358		09/05/2021		0921-2	3088	361.26	09/30/2021	DIR	PD	INTERSTATE PRODUCTS - RAM
24359		09/05/2021		0921-2	3089	89.00	09/30/2021	DIR	PD	AT&T - BACKUP INTERNET SE
24360		09/05/2021		0921-2	3090	89.00	09/30/2021	DIR	PD	AT&T BACKUP INTERNET - SE
24361		09/05/2021		0921-2	3091	185.93	09/30/2021	DIR	PD	ROSATI'S PIZZA - FAREWELL
538 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY										
24290		08/16/2021		0921-2	3092	481,790.44	09/30/2021	DIR	PD	L17-5180
881 AIRGAS, INC										
24203	20210005	08/31/2021		0921-1	960218	1,500.00	09/14/2021	INV	PD	YEAR 5 OF VAPORIZER LEASI
24206		08/28/2021		0921-1	960218	7,802.46	09/14/2021	INV	PD	#2024961-LIQUID OXYGEN -
24204		09/04/2021		0921-1	960218	6,164.46	09/14/2021	INV	PD	#2024961-LIQUID OXYGEN -
24205		09/04/2021		0921-1	960218	76.62	09/14/2021	INV	PD	#2024961-CALIBRATION CYLI
						15,543.54				
1350 BROADWAY ELECTRIC, INC.										
24264	20200016	09/09/2021		0921-1	960219	350,496.00	09/14/2021	INV	PD	ELECTRICAL POWER DISTRIBU
24207	20200016	07/31/2021		0921-1	960219	340,300.00	09/14/2021	INV	PD	ELECTRICAL POWER DISTRIBU
						690,796.00				
819 UNITED COMMUNICATIONS										
24274		09/15/2021		0921-1	960220	1,216.37	09/15/2021	INV	PD	#1209792-PHONE SVC SEP/OC
1361 CMMS DATA GROUP, INC.										
24209	20210011	08/30/2021		0921-1	960221	21,600.00	09/14/2021	INV	PD	MVP PLANT
1218 COLLEY ELEVATOR CO.										
24210		09/01/2021		0921-1	960222	206.00	09/14/2021	INV	PD	#BE0945-MONTHLY ELEVATOR
50 COMMONWEALTH EDISON COMPANY										
24269		09/09/2021		0921-1	960223	17.42	09/14/2021	INV	PD	#6243526021-SUNNYBROOK-EL
490 COMCAST CABLE COMMUNICATIONS, LLC										
24211		08/25/2021		0921-1	960224	266.59	09/14/2021	INV	PD	#8771200570017919-INTERNE
1248 CONCENTRIC INTEGRATION										
24200	20210002	08/19/2021		0921-1	960225	20,106.00	08/30/2021	INV	PD	PLC REPLACEMENT PROJECT

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
1307 CONSERV FS INC										
24212		08/31/2021		0921-1	960226	4,349.40	09/14/2021	INV	PD	#809450-MAINT OIL SUPPLY
1366 F.E. MORAN INC MECHANICAL SERVICES										
24235		08/30/2021		0921-1	960227	1,904.00	09/14/2021	INV	PD	CHP REPAIR - AUG 2021
1348 GLEN ELLYN POLICE DEPARTMENT										
24261		09/01/2021		0921-1	960228	50.00	09/14/2021	INV	PD	#9289- VGE PD FALSE ALARM
293 VILLAGE OF GLEN ELLYN										
24249		09/01/2021		0921-1	960229	2,556.98	09/14/2021	INV	PD	#610130-WAER SVC - JUL 20
24250		09/01/2021		0921-1	960229	19.86	09/14/2021	INV	PD	#432720-WATER SVC - 19.86
						2,576.84				
297 W.W. GRAINGER, INC.										
24217		09/02/2021		0921-1	960230	205.09	09/14/2021	INV	PD	#801764762-MAINT SUPPLIES
24214		08/30/2021		0921-1	960230	20.53	09/14/2021	INV	PD	#801764762-ELECTRICAL SUP
24213		08/30/2021		0921-1	960230	483.93	09/14/2021	INV	PD	#801764762-MAINT PARTS -
24215		09/02/2021		0921-1	960230	890.66	09/14/2021	INV	PD	#801764762-MAINT PARTS -
24218		09/02/2021		0921-1	960230	19.54	09/14/2021	INV	PD	#801764762-MAINT TOOLS -
						1,619.75				
743 GROOT, INC										
24219		09/01/2021		0921-1	960231	680.97	09/14/2021	INV	PD	#310769434001
124 HOME DEPOT USA, INC										
24273		09/08/2021		0921-1	960232	66.95	09/14/2021	INV	PD	#7114-MAINT SUPPLIES - SE
24225		08/16/2021		0921-1	960232	21.94	09/14/2021	INV	PD	#7114-MAINT SUPPLIES - AU
24224		08/16/2021		0921-1	960232	6.26	09/14/2021	INV	PD	#7114-MAINT SUPPLIES - AU
24223		08/26/2021		0921-1	960232	18.96	09/14/2021	INV	PD	#7114-MAINTS PARTS - AUG
24221		09/02/2021		0921-1	960232	18.90	09/14/2021	INV	PD	#7114-MAINT PARTS - SEP
24222		09/02/2021		0921-1	960232	32.34	09/14/2021	INV	PD	#7114-MAINT TOOLS - SEP 2
24220		09/02/2021		0921-1	960232	137.48	09/14/2021	INV	PD	#7114-CSO SAMPLE STORAGE-
						302.83				
1166 IDEA MARKETING GROUP, INC										
24226		09/01/2021		0921-1	960233	95.00	09/14/2021	INV	PD	MONTHLY WEB SITE HOSTING
1147 ILLINOIS AMERICAN WATER COMPANY										
24228		08/24/2021		0921-1	960234	136.34	09/14/2021	INV	PD	#1025220008432566-VVLS WA
126 ILLINOIS ASSN. OF WASTEWATER AGENCIES										
24227		09/01/2021		0921-1	960235	100.00	09/14/2021	INV	PD	REGISTRATIONS-STAAT, TOMZ

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
414 COLLCORP										
24253		09/08/2021		0921-1	960236	2,520.00	09/14/2021	INV	PD	UV SYSTEM PARTS-AUG 2021
787 JWC ENVIRONMENTAL LLC										
24229		08/19/2021		0921-1	960237	11,822.00	09/14/2021	INV	PD	#5033256-NEW GRINDERS - A
185 KONICA MINOLTA BUSINESS SOLUTIONS INC										
24230		08/25/2021		0921-1	960238	54.66	09/14/2021	INV	PD	#146316-COPIER USAGE-AUG
295 VILLAGE OF LOMBARD										
24251		09/01/2021		0921-1	960239	14.95	09/14/2021	INV	PD	#30042-001-WATER SVC - JU
24252		09/01/2021		0921-1	960239	14.95	09/14/2021	INV	PD	#31774-001-WATER SVC - JU
						29.90				
171 MCMASTER-CARR SUPPLY CO.										
24233		08/31/2021		0921-1	960240	291.78	09/14/2021	INV	PD	#7735700-MAINT PARTS - AU
24234		09/01/2021		0921-1	960240	282.61	09/14/2021	INV	PD	#7735700-MAINT PARTS - SE
24267		09/08/2021		0921-1	960240	201.17	09/14/2021	INV	PD	#7735700-MAINT PARTS - SE
						775.56				
1223 CAPITAL ONE NATIONAL ASSN										
24232		08/24/2021		0921-1	960241	74.90	09/14/2021	INV	PD	#535690-MAINT SUPPLIES -
24231		08/25/2021		0921-1	960241	23.96	09/14/2021	INV	PD	#535690-MAINT PARTS - AUG
24254		08/30/2021		0921-1	960241	-23.96	08/30/2021	CRM	PD	#535690-CREDIT FOR RETURN
						74.90				
188 MOTION INDUSTRIES INC										
24236		08/31/2021		0921-1	960242	35.33	09/14/2021	INV	PD	#80514201-ELECTRICAL PART
1142 GENUINE PARTS CO-NAPA										
24265		09/08/2021		0921-1	960243	8.78	09/14/2021	INV	PD	#13643-MAINT AUTO PARTS -
24256		08/10/2021		0921-1	960243	20.49	08/30/2021	INV	PD	#13643-MAINT SUPPLIES - A
						29.27				
206 NORTHERN ILLINOIS GAS COMPANY										
24268		09/07/2021		0921-1	960244	28.32	09/14/2021	INV	PD	#95412930760-SUNNYBROOK P
209 NCL OF WISCONSIN INC										
24237		08/30/2021		0921-1	960245	788.10	09/14/2021	INV	PD	#17348-LAB SUPPLIES - AUG
759 NORTHERN SAFETY CO., INC.										
24238		08/27/2021		0921-1	960246	898.00	09/14/2021	INV	PD	#10970382-GLOVES - AUG 20
224 POLYDYNE INC										

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
24239		08/20/2021		0921-1	960247	10,764.00	09/14/2021	INV	PD	#103379-GWA POLYMER - AUG
952 PROGRAM ONE PROFESSIONAL BUILDING SERVICES INC.										
24240		08/31/2021		0921-1	960248	232.00	09/14/2021	INV	PD	QRTRLY WINDOW CLEANING -
412 NESTLE WATERS NORTH AMERICA										
24258		09/07/2021		0921-1	960249	114.86	09/14/2021	INV	PD	#8100616302-BOTTLED WATER
1212 RJN GROUP, INC										
24241	20210006	08/31/2021		0921-1	960250	9,649.00	09/14/2021	INV	PD	YEAR TWO OF FLOW MONITORI
250 SAGINAW CONTROL & ENGINEERING INC										
24242		08/19/2021		0921-1	960251	394.30	09/14/2021	INV	PD	#GBW1-ELECTRICAL PARTS -
1346 SEBERT LANDSCAPING										
24201	20210001	08/01/2021		0921-1	960252	3,299.00	08/30/2021	INV	PD	LANDSCAPE MAINTENANCE SER
939 STAPLES CONTRACT & COMMERCIAL INC.										
24244		08/30/2021		0921-1	960253	83.97	09/14/2021	INV	PD	#DET1680518-OFFICE SUPPLI
1365 SUBURBAN DRIVELINE INC.										
24245		08/05/2021		0921-1	960254	40.00	09/14/2021	INV	PD	SAFETY LANE INSPECT #649-
738 SUBURBAN LABORATORIES, INC.										
24271		09/11/2021		0921-1	960255	741.00	09/14/2021	INV	PD	LAB SERVICES - SEP 2021
271 TERRACE SUPPLY COMPANY										
24247		08/31/2021		0921-1	960256	61.07	09/14/2021	INV	PD	#315850-WELDING CYLINDER
1001 TROTTER AND ASSOCIATES, INC.										
24266	20200002	08/31/2021		0921-1	960257	8,412.50	09/14/2021	INV	PD	BIOSOLIDS DEWATERING IMP
1335 U.S. PEROXIDE, LLC										
24259		09/08/2021		0921-1	960258	10,568.88	09/14/2021	INV	PD	#UC500694.001-ODOR CONTRO
1344 VEGA BUILDING MAINTENANCE & SUPPLIES INC										
24248	20210003	09/01/2021		0921-1	960259	1,148.00	09/14/2021	INV	PD	YEAR ONE JANITORIAL SERVI
988 VERIZON WIRELESS SERVICES LLC										
24198		08/18/2021		0921-1	960260	1,662.89	08/30/2021	INV	PD	#687026363-00001-CELL SVC
24262		09/01/2021		0921-1	960260	251.40	09/14/2021	INV	PD	#842065533-00001-REMOTE S

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
						1,914.29				
881 AIRGAS, INC										
24277		09/11/2021		0921-2	960261	3,138.06	09/30/2021	INV	PD	#2024961-LIQUID OXYGEN SE
24301		09/18/2021		0921-2	960261	6,059.94	09/30/2021	INV	PD	#2024961-LIQUID OXYGEN-SE
						9,198.00				
1260 APPLIED INDUSTRIAL TECHNOLOGIES INC										
24320		09/21/2021		0921-2	960262	597.60	09/30/2021	INV	PD	#1251999-MAINT PARTS - SE
1249 AQUAFIX, INC.										
24331		09/23/2021		0921-2	960263	1,659.04	09/30/2021	INV	PD	ODOR CONTROL CHEMICALS -
1351 ATLAS COPCO COMPRESSORS LLC										
24330		09/27/2021		0921-2	960264	795.42	09/30/2021	INV	PD	#119281-MAINT SUPPLIES -
958 BAXTER & WOODMAN, INC.										
24307		09/24/2021		0921-2	960265	1,327.50	09/30/2021	INV	PD	PROJ #190974.31-NPDES PER
1061 5150, INC										
24278	20210015	09/13/2021		0921-2	960266	38,051.24	09/30/2021	INV	PD	EIGHT MAGNETIC METERS
768 CINTAS FIRST AID & SAFETY										
24279		09/17/2021		0921-2	960267	365.57	09/30/2021	INV	PD	#10127979-MONTHLY FIRST A
1248 CONCENTRIC INTEGRATION										
24310	20210002	09/24/2021		0921-2	960268	36,147.60	09/30/2021	INV	PD	PLC REPLACEMENT PROJECT
24309		09/24/2021		0921-2	960268	304.00	09/30/2021	INV	PD	PROJ 202166.00-IT SUPPORT
						36,451.60				
1138 CONSTELLATION ENERGY SERVICES INC										
24280		09/09/2021		0921-2	960269	1,348.91	09/30/2021	INV	PD	#BG-11933-NATURAL GAS SVC
994 DIRECT ENERGY MARKETING, INC.										
24281		09/15/2021		0921-2	960270	42,592.43	09/30/2021	INV	PD	#1152328-ELECTRICAL USAGE
74 DREISILKER ELECTRIC MOTORS INC										
24282		09/15/2021		0921-2	960271	168.54	09/30/2021	INV	PD	#294445-ELECTRICAL SUPPLI
24311		09/24/2021		0921-2	960271	62.56	09/30/2021	INV	PD	#2944445-MAINT PART - SEP
						231.10				
1295 FLUID POWER CONTROLS										
24283		09/08/2021		0921-2	960272	852.62	09/30/2021	INV	PD	MAINT PARTS - SEP 2021

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC										
24305		09/07/2021		0921-2	960273	88.50	09/30/2021	INV	PD	#81393-99-ELECTRICAL TOOL
1368 FRIENDS OF JOSEPH & SARAH LEVY SENIOR CENTER										
24284		09/20/2021		0921-2	960274	50.00	09/30/2021	INV	PD	DONATION IN MEMORY OF ANN
297 W.W. GRAINGER, INC.										
24287		09/15/2021		0921-2	960275	5.90	09/30/2021	INV	PD	#801764762-MAINT SUPPLIES
24288		09/15/2021		0921-2	960275	23.60	09/30/2021	INV	PD	#801764762-MAINT PARTS -S
24286		09/15/2021		0921-2	960275	48.27	09/30/2021	INV	PD	#801764762-ELELCTRICAL SU
24285		09/16/2021		0921-2	960275	132.00	09/30/2021	INV	PD	#801764762-JANITORIAL SUP
24312		09/22/2021		0921-2	960275	91.44	09/30/2021	INV	PD	#2024961-ELECTRICAL SUPPL
24332		09/24/2021		0921-2	960275	108.30	09/30/2021	INV	PD	#801764762-ELECTRICAL SUP
						409.51				
119 HACH COMPANY										
24322		09/20/2021		0921-2	960276	428.66	09/30/2021	INV	PD	#71607-ELECTRICAL METER S
24321		09/20/2021		0921-2	960276	217.72	09/30/2021	INV	PD	#71607-LAB SUPPLIES - SEP
						646.38				
124 HOME DEPOT USA, INC										
24313		09/22/2021		0921-2	960277	28.94	09/30/2021	INV	PD	#7114-MAINT SUPPLIES - SE
24314		09/21/2021		0921-2	960277	4.81	09/30/2021	INV	PD	#7114-OPERATIONS SUPPLIES
						33.75				
126 ILLINOIS ASSN. OF WASTEWATER AGENCIES										
24289		09/17/2021		0921-2	960278	5,094.00	09/30/2021	INV	PD	ANNUAL AGENCY DUES - SEP
1347 ILLINOIS RECOVERY GROUP INC.										
24291		09/14/2021		0921-2	960279	262.50	09/30/2021	INV	PD	#2099-DISPOSAL OF OIL & A
1353 INDEPENDENT MECHANICAL INDUSTRIES, INC.										
24275	20210009	07/31/2021		0921-2	960280	18,990.00	09/14/2021	INV	PD	BIOSOLIDS DEWATERING IMPR
157 LEN'S ACE HARDWARE, INC.										
24293		09/09/2021		0921-2	960281	28.72	09/30/2021	INV	PD	#331050-LAB SUPPLIES - SE
24316		09/22/2021		0921-2	960281	2.27	09/30/2021	INV	PD	#3310510-OPERATIONS SUPPL
24333		09/27/2021		0921-2	960281	8.05	09/30/2021	INV	PD	#331050-MAINT SUPPLIES -
						39.04				
1333 LOGSDON STATIONERS, INC										
24292		09/14/2021		0921-2	960282	247.96	09/30/2021	INV	PD	#135872-01-OPERATIONS JOU
171 MCMASTER-CARR SUPPLY CO.										

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
24294		09/14/2021		0921-2	960283	7.73	09/30/2021	INV	PD	#7735700-MAINT PARTS - SE
24323		09/22/2021		0921-2	960283	146.16	09/30/2021	INV	PD	#7735700-MAINT SUPPLIES -
24324		09/22/2021		0921-2	960283	57.25	09/30/2021	INV	PD	#7735700-MAINT SUPPLIES -
						211.14				
1201 MUNICIPAL BACKFLOW LLC										
24295		09/07/2021		0921-2	960284	737.30	09/30/2021	INV	PD	#RPZ TESTING - SEP 2021
24298		08/05/2021		0921-2	960284	103.90	09/30/2021	INV	PD	VVLS RPZ INSPECTION - SEP
24297		09/07/2021		0921-2	960284	103.90	09/30/2021	INV	PD	ST CHAS LS RPZ INSPECTION
24296		09/07/2021		0921-2	960284	126.00	09/30/2021	INV	PD	CSO RPZ INSPECTION-SEP 20
						1,071.10				
951 NATIONAL ASSOCIATION OF CLEAN WATER AGENCIES										
24299		09/09/2021		0921-2	960285	1,000.00	09/30/2021	INV	PD	ASSOCIATION ANNUAL DUES -
237 RANDALL PRESSURE SYSTEMS, INC.										
24300		09/15/2021		0921-2	960286	133.97	09/30/2021	INV	PD	#334020-MAINT SUPPLIES -
24317		09/22/2021		0921-2	960286	242.66	09/30/2021	INV	PD	#334020-MAINT SUPPLIES -
						376.63				
1346 SEBERT LANDSCAPING										
24318	20210001	09/01/2021		0921-2	960287	3,299.00	09/30/2021	INV	PD	LANDSCAPE MAINTENANCE SER
939 STAPLES CONTRACT & COMMERCIAL INC.										
24302		09/10/2021		0921-2	960288	85.34	09/30/2021	INV	PD	DET1680518-COFFEE SUPPLIE
24327		08/31/2021		0921-2	960288	-59.98	08/31/2021	CRM	PD	#DET1680518-RETURNED ITEM
24328		09/21/2021		0921-2	960288	30.97	09/30/2021	INV	PD	DET160518-OFFICE SUPPLIES
24329		09/21/2021		0921-2	960288	5.99	09/30/2021	INV	PD	#DET1680518-OFFICE SUPPLI
						62.32				
810 STATE FIRE MARSHAL										
24315		09/23/2021		0921-2	960289	95.00	09/30/2021	INV	PD	JURIS #U0117193-ANNUAL PR
738 SUBURBAN LABORATORIES, INC.										
24304		09/03/2021		0921-2	960290	650.00	09/30/2021	INV	PD	LAB SERVICES - AUG 2021
1271 SYNAGRO-WWT										
24272		09/01/2021		0921-2	960291	20,966.40	09/14/2021	INV	PD	#3430-SLUDGE HAULING - AU
988 VERIZON WIRELESS SERVICES LLC										
24335		09/18/2021		0921-2	960292	1,663.78	09/30/2021	INV	PD	#687026363-00001-CELL SVC
		151 INVOICES				1,515,949.49				

VENDOR INVOICE LIST

DOCUMENT	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET DUE DATE	TYPE	STS	INVOICE DESCRIPTION

** END OF REPORT - Generated by Colette Ameche **

SECTION 5.3

ADDITIONAL MAINTENANCE PARTS FOR CHP ENGINES SERVICE INTERVAL – APPROVAL

MEMORANDUM

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

FROM: Jon Braga, Maintenance Superintendent

DATE: October 14, 2021

RE: Additional Parts for CHP 20,000 Hour Service Interval

During the performance of the 20,000 service interval for the Authority's Combined Heat & Power engines additional parts that are needed that were left off of the initial quote were identified. Earlier in 2021, Nissen Energy had come to the Authority to access the condition of the engines and generators in order to provide a detailed quote of the work needed for the 20,000 hour service interval, however, some of the information collected by the technicians visiting the site never made it to the individual who was preparing the quote. Therefore, the technicians presently on site brought the needed parts, but they were not approved as part of the original approval by the EOC. Nissen agreed to move forward with continuing the service on the engines at their own risk, with the realization that official approval would be needed from the EOC.

The additional parts add up a total of $25,865.90. As part of the original EOC approval for this work in July, 2021, $151,600 of the budgeted $248,000 was approved. Therefore, this additional $25,865.90 still falls within the budgeted amount in Fund 270-520975

Due to the proprietary nature of the CHP system, GWA seeks waiving the competitive bidding process. The approved 2016 purchasing policy item *C.1.f.* defines *Standardization purchases,* as "technical in nature of certain items or services may result in the standardization of a particular supplier's specifications being necessary or desirable to Village operations. Competitive bidding may be waived if the Village requires compatibility with existing software, machinery or other existing equipment." Therefore, it is being requested the EOC authorize the Authority to approve Nissen Energy's proposal and provide notice to proceed for the amount of $25,865.90

SECTION 5.4

RATIFICATION OF AUGUST 26, 2021 PHONE POLL ITEM

SECTION 5.4.1

SLUDGE HEADER REPLACEMENT

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Phone Poll
August 26, 2021
9:00 a.m.

1. Final Header Sludge Header Replacement

Parts of GWA's infrastructure are quickly approaching 50 years of age. The final sludge return header is one of those pieces. In the past two years, GWA staff has had to repair rotted pipe sections multiple times. Most recently, staff spent an entire day removing a butterfly valve and operator then repairing the rotted pipe and then placing back in service. These repairs were only a temporary fix.

The Authority recommends the EOC authorize the Authority to award Dhame Inc. with a notice to proceed in the amount of $78,888.88 to complete this work. Sourced from 2021 GWA Capital budget 40-580120. Previously, $180,000 was dedicated for these improvements, $61,063.93 of which were spent on the associated magnetic meters and valve actuators for the final sludge return station, leaving $118,936.07 in the budget for this work to be completed.

MEMORANDUM

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

FROM: Jon Braga, Maintenance Superintendent

DATE: August 18, 2021

RE: **Final Return Sludge Header Replacement**

Parts of GWA's infrastructure are quickly approaching 50 years of age. The final sludge return header is one of those pieces. In the past two years, GWA staff has had to repair rotted pipe sections multiple times. Most recently, staff spent an entire day removing a butterfly valve and operator then repairing the rotted pipe and then placing back in service. These repairs were only a temporary fix.

After identifying the imminent need for a new header, staff began to put together options as to how replacement could take place. First, multiple pipe fabricators were contacted to check availability and price of a header this size. Next, a list of competent mechanical contractors was identified for assistance in replacement. Lastly, planning with the Operations department for shutdown procedures provided insight on how long shutdowns would be able to occur.

The nature of the proposed work consists of having mechanical contractor assist with labor and installation of materials, but GWA staff will be "leading" the project in terms of labor and coordination. Therefore, the Authority is only seeking two quotes at this time and do not plan on "bidding" out the project. There are multiple justifications as to why the Authority is waiving the competitive bidding process; since this a portion of this work is being completed in-house, the Authority requires competent mechanical workers who are familiar with working in a wastewater treatment plant; and to expend efforts to publicly bid out this project would be an inefficient use of time, as well as yield higher costs due to escalating material costs.

Therefore, two qualified and competent mechanical contractors, who have done satisfactory work for GWA in the past, were contacted and asked to give pricing for purchasing the pipe header, laser measuring, and assistance with install. The Authority requested that the contractor purchase the material themselves, as they have a better ability to obtain precise measurements, and better resources to able to get favorable pricing. Also then, by having the contractor purchase the materials, any liability lays on the contractor instead of the Authority.

Both contractor proposals held at a strict 30-day expiration date. Material costs for the header have been extremely volatile due to the current US economy. Many manufacturers only provide a 7-day guarantee for pricing. Out of the two quotes received, Dhame Inc. provided a proposal totaling $78,888.88, and Independent Mechanical Inc. provided a proposal for $120,500.00.

This rehabilitation approach and waiving of competitive bidding was brought before the Technical Advisory Committee where it was thoroughly vetted and approved.

The Authority recommends the EOC authorize the Authority to award Dhame Inc. with a notice to proceed in the amount of $78,888.88 to complete this work. Sourced from 2021 GWA Capital budget 40-580120. Previously, $180,000 was dedicated for these improvements, $61,063.93 of which were spent on the associated magnetic meters and valve actuators for the final sludge return station, leaving $118,936.07 in the budget for this work to be completed.

EXECUTIVE OVERSIGHT COMMITTEE PHONE POLL
August 26, 2021

Agenda Item 1

COMMITTEE MEMBER	CONTACT INFORMATION	APPROVE
Trustee Bachner	[redacted]	Aye, via phone 8/26/21 @ 9:05am
Trustee Christiansen	[redacted]	Aye, via email 8/26/21 @ 9:50PM
President Giagnorio	[redacted]	N/A
President Senak	[redacted]	Aye, via phone 8/26 @ 1:38PM
Manager Franz	[redacted]	Aye, via email 8/25/21 @ 9:50AM
Manager Niehaus	[redacted]	Aye, via email 8/24/21 @ 1:35PM
Director Buckley	[redacted]	Aye, via phone 8/26/21 @8:51AM
Director Goldsmith	[redacted]	Aye, via email 8/24/21 @ 9:54AM

Approvals:

____________ Yes   ______0______ No   ____________ N/A

SECTION 6.0

DISCUSSION

SECTION 6.1

CY2022 DRAFT BUDGET

MEMORANDUM

TO: Executive Oversight Committee

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

DATE: October 14, 2021

RE: Draft CY2022 Budget

As a means to help convey the significant budgetary impacts for CY2022, provided below is an outline of significant changes and items that have the largest impacts on the budget.

Capital Fund 40

- Incorporated Operating Surplus Transfer - $363,678. Since historically the Authority has been able to achieve substantial operating surpluses, and traditionally the EOC has authorized those surpluses to be transferred into the Capital Fund, $50,000 was budgeted for all future years to be transferred into capital. This item will be tracked and adjusted as needed.

- 1% increase in capital contributions from each Village. Discussion was held on raising the increase to 1.25% for the next 20 years in order to keep sufficient cash on hand in the Capital Fund for future projects beyond the 20-year plan, however, in lieu of increasing the contribution to 1.25% this year, it was decided to incorporate the above mentioned $50,000 operating surplus transfer instead. However, if it's noticed that the surplus starts to decrease, the contribution amounts will need to be increased further.

- Included IEPA Loan payback for Biosolids Dewatering Improvements Project

- Small Capital Projects incorporated several smaller scale "capital" projects/purchases that had been deferred from the previous year, seeing an increase of $467,000, which is comparable to what had been budgeted historically.

- Infrastructure Improvements incorporated several projects/purchases that had been deferred, seeing an increase of $59,900, which is still lower to what had been budgeted historically prior to CY2021.

- Routine Equipment Rehabilitation incorporated several projects/purchases that had been deferred, seeing an increase of $535,000. While this is higher than what had been budgeted historically prior to CY2021, the increase was recommended as part of the 2018 Facility Plan, but had not been implemented until this year.

- Rolling Stock had planned to budget $165,000 for the replacement of a John Deere Wheel Loader, and a F250 Fuel Truck. However, since the Wheel Loader is not in need of replacement, that item has been deferred in lieu of budgeting for the purchase of a trailer and mini-excavator, that have a higher need than the Wheel Loader.

- Included Primary Clarifier Rehabilitation Project in CY2022

Operations & Maintenance 270

- Salaries have a 4.6% ($84,794) increase overall, including overtime, part-time, and seasonal personnel. This incorporates higher merit increases than in past years due to new strategical goals in moving personnel through pay ranges in an appropriate amount of time.

- Subscriptions have increased 23% ($2,280) to accurately reflect all GWA subscriptions. Items were shifted from other cost centers, so overall, there was no significant increase related to subscriptions or dues.

- Employee Education increased 26.3% ($6,500) due to the new requirements for Continued Education for Licensed Operators. In addition, more seminars are expected to be offered in person, which increases the cost of attendance. Also, WEFTEC 2022 is scheduled to be held in New Orleans, therefore travel costs associated with that conference have increased.

- Decreased Travel 60% ($450) since most travel costs, other than IPASS, are charged to Employee Education

- Decreased Legal Support 25% ($5,000). This cost center was increased in CY2021 due to anticipated additional needs in relation to the FIP, and is now being lowered back to it's historical amount.

- Increased Legal Notices 100% ($500) to account for actual usage; i.e., requirements to post ads in the Daily Herald for public bidding projects.

- DuPage River Salt Creek Workgroup fees increased 3% ($1,024) based on their annual increase. The workgroup fees increase 3% annually, but provide a much greater benefit to the Authority's overall cost by negotiating National Pollutant Discharge Elimination System permit conditions.

- Professional Services – Laboratory Support increased 10% ($2,500) to reflect actual usage, along with the quarterly metals testing now required for leachate. This budget item had been lowered the past several years in an effort to budget accurately per use.

- Audit fees remain the same as CY2021 Budget.

- Liability Insurance increased 3% ($4,400) based on information from the Village of Glen Ellyn

- Health Insurance decreased 3.1% ($8,500) based on information from the Village of Glen Ellyn

- In-House Maintenance on Equipment decreased 67.8% ($237,600). This is mainly due to the Combined Heat and Power engines hitting major milestones in CY2021 based on hours ran. When they hit this milestone, a significant overhaul occurred, and resulted in a significant increase for this cost center in CY2021. Therefore, this item has been reduced to reflect the work that is to occur this year.

- Contracted Maintenance has decreased 4.8% ($3,100) due a reduction in support services used for the Combined Heat and Power units.

- Electrical Contractual budget increased 7.4% (16,115). This is mainly due to annual service/support for the new asset management software approved by the EOC in July 2021.

- Operational Supplies increased 56.3% (4,000). All budget items in this cost center remained the same, the increase is because of a routine O&M item (Pressure Relief Valve covers) being moved out of the capital budget, and into it's appropriate location here.

- Overhead fees increase 1.4% ($1,922). Village of Glen Ellyn increases overhead fees by CPI annually, which is agreed upon in the Intergovernmental Agreement

- Sludge Disposal increased 12.8% ($25,000) due to increased sludge production, along with a new contract being bid out in 2021, in which the Authority saw a price increase. Due to some changes in processes more sludge has been generated. Although attempts will be made to reduce sludge generation, over the past year, the sludge production has increased – so coupled with the increase in price, this budget item was adjusted appropriately.

- Telecommunications increased 12.5% ($3,400) due to increased costs in phone service, number of devices on cellular network, and other contractual fee increases. This item will continue to fluctuate year to year based on costs of outside services.

- Electric power decreased 6.7% ($25,000). Although it is anticipated the Authority may be able to generate a greater amount of electricity with CHP use, there are too many unknowns to allow for this budget item to be reduced further. The Authority will be entering into a new 4-year agreement for Electric supply starting in February 2022, in which a lower price was achieved, so it's very likely that after historical trends are realized this item could be lowered further.

- Water increased 33.3% ($5,000). Staff has been able to utilize more non-potable water (treated effluent) throughout the plant, which resulted in significant decreases in budget over the past several years. However, the amount budgeted for CY2021 may have been too low, and unattainable, therefore, this is being increased based on historical use over the past several years.

- Backup Generator Gas decreased 16.7% ($1,000). This natural gas is strictly budgeted for the backup generator use since it is on a different gas meter than the Authority's main account. Traditionally, the backup generators main use of gas is when it's exercised twice monthly, the only other reason it would be used is for an unforeseen power outage. Therefore, this amount is being lowered to reflect what has been historically used for the exercising.

- Laboratory Supplies increased 9.4% ($1,500). Staff has been able to reduce this budget amount the past three years starting from $25,00, however, based on historical usage and escalating material costs this has been increased slightly for CY2022.

- Safety increased 30% ($6,300) due to additional first aid kits being installed as a result of an internal audit, additional budget to have a 3rd party perform a safety audit to resolve disputed OSHA standards, as well as some additional safety initiatives that are being taken in CY2022.

- Chemicals increased 66.7% ($60,000) due to increased costs for sodium hypochlorite as a result of the national chlorine shortage, as well as additional costs for the new hydrogen peroxide odor control system that was implemented in lieu of a multimillion-dollar capital project).

- Liquid Oxygen increased 3.2% ($10,000) in order to account the possibility of higher prices when this contract is renewed in CY2022. This is a newer process (within 3 years) that we continue to tweak and optimize. Despite the cost of product itself rising, as well as additional service fees, staff has been able to consistently reduce the use of liquid oxygen, so the Authority is optimistic that it will be able to stay within budget despite a possible price increase when the contract is renewed.

- Stormwater Plant & Hill Avenue Lift Station Budget: A 7.3% increase ($10,000) is due solely to higher chemical costs, for the same reason as previously mentioned with the national chlorine shortage.

- NRI/St. Charles Road Lift Station Budget: A 3% increase ($900) is due to diesel generator fuel now being included in this budget item, whereas, it previously was not. Even in the event of no power failures, the emergency generator is exercised every other week resulting in some fuel usage. This is the first increase in this budget item over the past several years, where staff has actually been able to decrease costs at these lift stations.

The budget has an O&M decrease of 0.9% ($41,462), however excluding salaries, the actual O&M decreased 5% ($132,856). The budgets overall decrease including capital is 0.1% or $4,688 less than the CY2021 budget. It is requested that the EOC provide feedback on this draft budget, as a final version of it will be presented at a future EOC meeting, and a request will be made to motion the EOC to authorize approval to the Full Boards of Glen Ellyn and Lombard.

GLENBARD WASTEWATER AUTHORITY

Glenbard

Wastewater

Authority

CY2022 Budget

Glenbard Wastewater Authority
Budget CY2022
All Funds
Expense Allocation to Partners

APPROVED CY2021 EXPENSES ALLOCATED TO PARTNERS			
	LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund	2,790,987	1,903,693	4,694,680
TOTAL O&M BUDGET	**2,790,987**	**1,903,693**	**4,694,680**
CAPITAL EQUIPMENT REPLACEMENT FUND	**2,012,490**	**1,664,970**	**3,677,461**
TOTAL O&M AND CAPITAL BUDGETS	**4,803,477**	**3,568,663**	**8,372,141**

ESTIMATED ACTUAL CY2021 EXPENSES ALLOCATED TO PARTNERS			
	LOMBARD	GLEN ELLYN	TOTAL
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	2,707,127	1,882,001	4,589,128
270-1 -- Stormwater Plant / Hill Ave L.S.	61,007	42,412	103,419
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	15,527	10,794	26,321
270-3 -- South Reg. Int. / Valley View L.S.	9,781	6,800	16,581
TOTAL O&M BUDGET	**2,793,442**	**1,942,008**	**4,735,449**
CAPITAL EQUIPMENT REPLACEMENT FUND	**2,027,415**	**1,686,820**	**3,714,235**
TOTAL O&M AND CAPITAL BUDGETS	***4,820,857***	***3,628,828***	***8,449,684***
CY2021 BUDGET OVER (UNDER)	**17,380**	**60,165**	**77,543**

PROPOSED CY2022 PARTNERS ALLOCATION			
	LOMBARD	GLEN ELLYN	TOTAL
Fund 27 -- Operation & Maintenance Fund	2,753,309	1,899,909	4,653,218
TOTAL O&M BUDGET	**2,753,309**	**1,899,909**	**4,653,218**
CAPITAL EQUIPMENT REPLACEMENT FUND	**2,027,415**	**1,686,820**	**3,714,235**
TOTAL O&M AND CAPITAL BUDGETS	**4,780,724**	**3,586,729**	**8,367,453**
Proposed CY2022 Partners Allocation Compared to Approved Expenses Allocated to Partners CY2021:			
Operation & Maintenance	**($37,678)**	**($3,784)**	**($41,462)**
	-1.3%	**-0.2%**	**-0.9%**
Capital Improvements	**$14,925**	**$21,850**	**$36,774**
	0.7%	**1.3%**	**1.0%**
Total O&M and Capital Budgets	***($22,753)***	***$18,066***	***($4,688)***
	-0.5%	***0.5%***	***-0.1%***

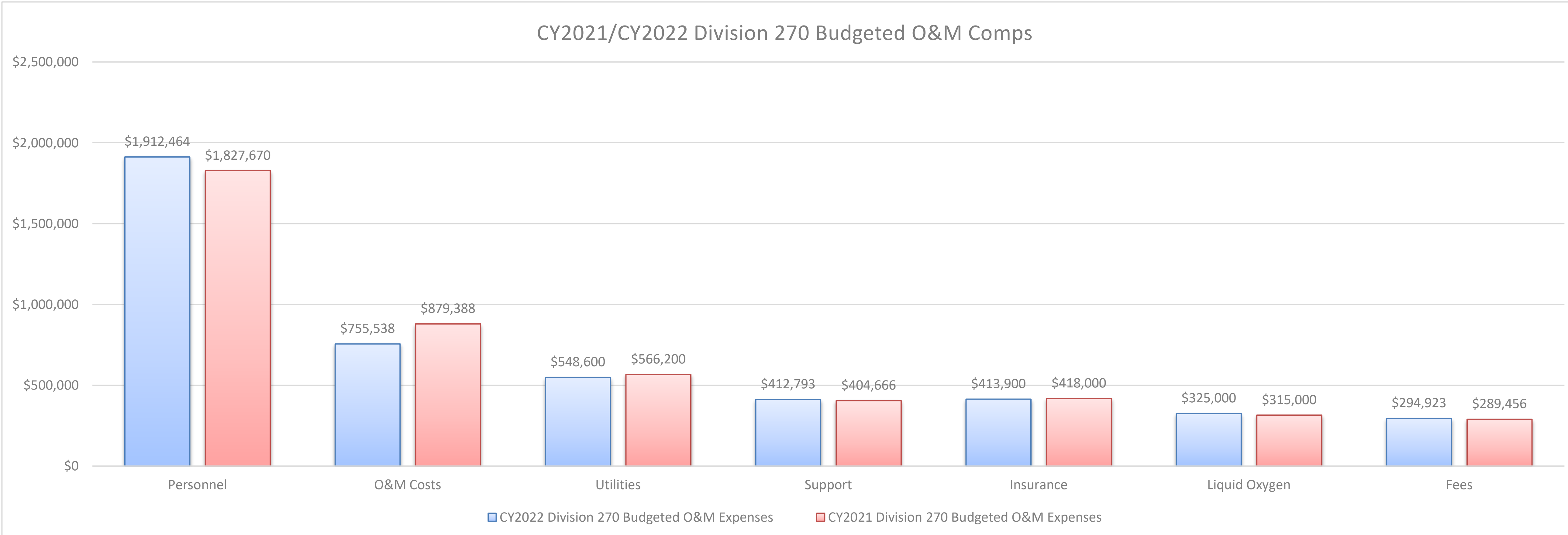
Glenbard Wastewater Authority
Budget CY2022 — **SUMMARY BY DIVISION**
Operations & Maintenance

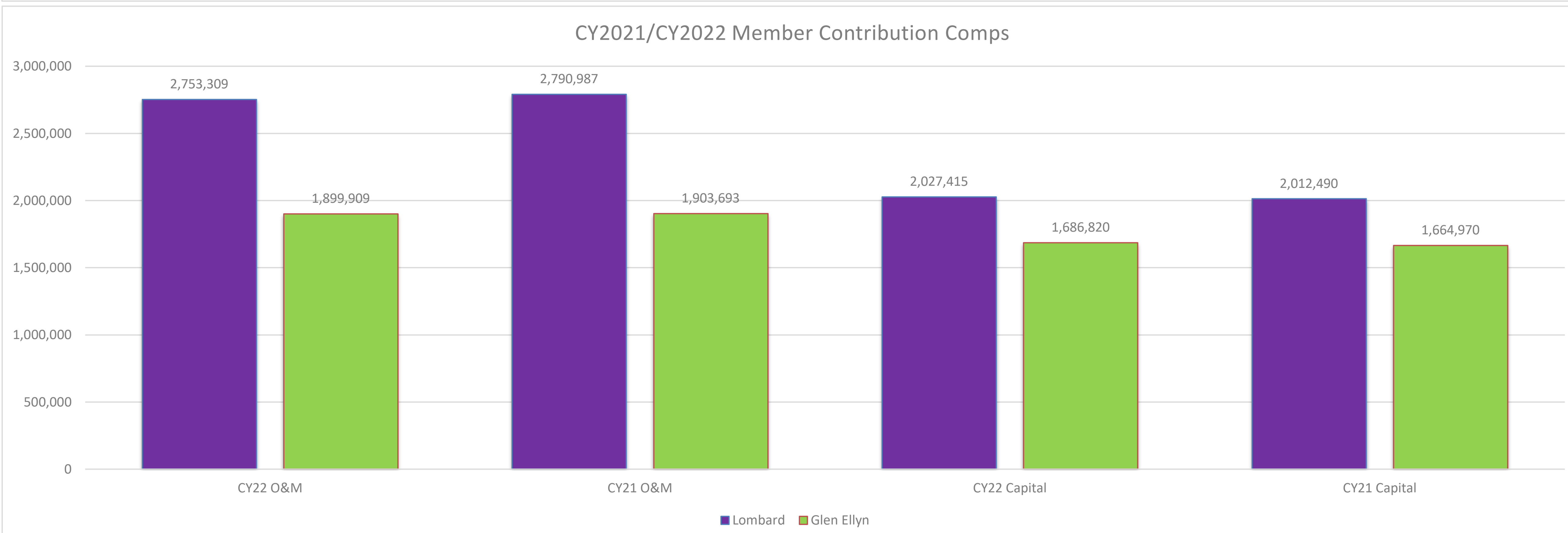
Expense Allocation to Partners **REVENUES**	Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2022
Div. 270 -- Glenbard Wastewater Authority	4,248,925	4,694,680	4,699,533	4,653,218
Interest O&M Fund	**979**	**10,000**	**1,105**	**10,000**
Miscellaneous Revenue	**0**	**0**	**0**	**0**
IRMA Reimbursement	**0**	**0**	**0**	**0**
Total Revenues	**4,249,904**	**4,704,680**	**4,700,638**	**4,663,218**

EXPENSES	Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2022
Div. 270 -- Glenbard Plant / SRI L.S. / Sunnyside L.S.	4,099,373	4,515,212	4,589,128	4,462,850
270-1 -- Stormwater Plant / Hill Ave L.S.	110,172	136,968	103,419	146,968
270-2 -- North Reg. Int. / St. Charles Rd. L.S.	24,565	30,050	26,321	30,950
270-3 -- South Reg. Int. / Valley View L.S.	13,836	22,450	16,581	22,450
Total O&M Expense:	**4,247,946**	**4,704,680**	**4,735,449**	**4,663,218**
Village of Glen Ellyn O&M Expenditures	**1,742,083**	**1,907,748**	**1,920,225**	**1,903,992**
Village of Lombard O&M Expenditures	**2,505,863**	**2,796,932**	**2,815,225**	**2,759,226**
Budget (Over) Under	1,958	(0)	(34,812)	0
Use of Available Cash				

Glenbard Wastewater Authority
CY2022 Total Budget

	Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2022
Operations & Maintenance	$4,247,946	$4,704,680	$4,735,449	$4,663,218
Capital Costs (Expenses & Debt Repayment)	$3,577,746	$7,105,241	$10,831,720	$7,820,119
TOTAL	$7,825,692	$11,809,921	$15,567,169	$12,483,337


CY2021/CY2022 Division 270 Budgeted O&M Comps
$2,500,000
$2,000,000
$1,500,000
$1,000,000
$500,000
$0
$1,912,464
$1,827,670
$755,538
$879,388
$548,600
$566,200
$412,793
$404,666
$413,900
$418,000
$325,000
$315,000
$294,923
$289,456
Personnel
O&M Costs
Utilities
Support
Insurance
Liquid Oxygen
Fees
CY2022 Division 270 Budgeted O&M Expenses
CY2021 Division 270 Budgeted O&M Expenses


CY2021/CY2022 Member Contribution Comps
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
2,753,309
1,899,909
2,790,987
1,903,693
2,027,415
1,686,820
2,012,490
1,664,970
CY22 O&M
CY21 O&M
CY22 Capital
CY21 Capital
Lombard
Glen Ellyn

Budget CY2022
Operations & Maintenance **REVENUE**
Division 270
Expense Allocation to Partners

		Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2022
Operation/Maintenance					
450010	Glen Ellyn Share - 40.55%	1,730,062	1,903,693	1,900,509	1,899,909
450015	Lombard Share - 59.45%	2,518,863	2,790,987	2,799,024	2,753,309
	Partners Allocation	4,248,925	4,694,680	4,699,533	4,653,218
	Interst Income - O&M Fund	**979**	**10,000**	**1,105**	**10,000**
	Misc. Revenue	**0**	**0**	**0**	**0**
	IRMA Reimbursement	**0**	**0**	**0**	**0**
DIVISION 270		**4,249,904**	**4,704,680**	**4,700,638**	**4,663,218**

NOTE: The flow splits used to calculate partner payments for CY2022 are as follows:
Flow Split for Glen Ellyn: 40.83%
Flow Split for Lombard 59.17%
(for 5 yrs. Average ending 12/31/20)

NOTE: The flow splits used to calculate partner payments for CY2021 are as follows:
Flow Split for Glen Ellyn: 40.55%
Flow Split for Lombard 59.45%
(for 5 yrs. Average ending 12/31/19)

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)

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 CY2022
Operations and Maintenance
Division 270
Expense Allocation to Partners

		Footnotes	Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2022	% Difference CY21-CY22	$ Difference CY21-CY22
			EXPENSES					
Personnel Services								
510100	Salaries - Regular	1	1,418,133	1,440,000	1,518,460	1,530,000	6.3%	90,000
510110	Salaries - Part-Time Ops.	2	39,505	60,000	40,156	65,000	8.3%	5,000
510200	Salaries - Overtime	3	45,724	66,000	41,410	66,000	0.0%	0
510300	Salaries - Temporary/Seasonal		1,698	7,000	6,900	14,000	100.0%	7,000
510400	FICA		107,519	120,335	118,425	128,138	6.5%	7,803
510500	IMRF	4	125,567	134,335	133,077	109,326	-18.6%	(25,009)
	State Unemployment		0	0	0	0	0.0%	0
	Total		**1,738,147**	**1,827,670**	**1,858,428**	**1,912,464**	4.6%	**84,794**
Contractual Services and Commodities								
520305	Employee Recognition		0	1,000	1,000	1,000	0.0%	0
520600	Dues/Subs./Fees		10,529	9,900	10,900	12,180	23.0%	2,280
520615	Recruiting/Testing		0	1,000	1,200	1,000	0.0%	0
520620	Employee Education	5	7,626	24,700	20,000	31,200	26.3%	6,500
520625	Travel (Mileage)		0	750	250	300	-60.0%	(450)
520700	Pro. Serv.-Legal Support	6	15,229	20,000	6,979	15,000	-25.0%	(5,000)
520750	Legal Notices		846	500	489	1,000	100.0%	500
520775	Regulatory Fees		52,735	53,000	53,000	53,241	0.5%	241
520776	DuPage River Salt Creek Work Group Fee	7	32,984	34,140	34,139	35,164	3.0%	1,024
520806	Pro. Serv.-Lab Support		22,906	25,000	32,485	27,500	10.0%	2,500
520816	External Consulting Fees	8	8,072	20,000	19,000	20,000	0.0%	0
520825	Audit Fees / Pro. Serv. - Acct.	9	11,700	15,100	26,200	15,100	0.0%	0
520885	Insurance - Liability (MICA)	10	136,331	145,000	138,310	149,400	3.0%	4,400
520893	Wellness/Health Incentives		600	0	0	0	0.0%	0
520895	Insurance - Health	11	260,856	273,000	284,813	264,500	-3.1%	(8,500)
520970	Maint. - Bldg. & Grds.		2,291	9,950	9,000	9,950	0.0%	0
520971	Bldg. & Grounds - Support		45,972	54,674	50,000	55,374	1.3%	700
520975	Maint. - Equipment		77,404	350,388	275,000	112,788	-67.8%	(237,600)
520976	Maint. - Support	12	44,687	64,750	60,000	61,650	-4.8%	(3,100)
520980	Maint. - Electronics		61,435	60,000	73,494	60,000	0.0%	0
520981	Elect. - Support	13	181,514	217,774	216,177	230,301	5.8%	12,527
520990	Operations - Supplies		9,098	7,100	9,901	11,100	56.3%	4,000
520991	Operations - Support		5,675	7,000	6,021	7,000	0.0%	0
521055	Professional Services - Other Support		1,409	4,000	3,800	4,000	0.0%	0
521130	Overhead Fees	14	134,228	137,316	137,316	139,238	1.4%	1,922
521150	Sludge Disposal - Land Applied	15	217,405	195,000	220,502	220,000	12.8%	25,000
521195	Telecommunications		29,693	27,200	31,915	30,600	12.5%	3,400
521201	Electric Power	16	456,941	375,000	424,936	350,000	-6.7%	(25,000)
521202	Natural Gas	17	37,134	60,000	90,049	60,000	0.0%	0
521203	Water		26,716	15,000	17,740	20,000	33.3%	5,000
521204	Self-Gen Gas		2,766	6,000	4,894	5,000	-16.7%	(1,000)
530100	Office Expenses		10,040	16,500	15,800	16,500	0.0%	0
530106	Operating Supplies - Lab		17,518	16,000	16,464	17,500	9.4%	1,500
530107	Pretreatment Expenses		34	4,500	577	4,500	0.0%	0
530200	Administrative Purchases		592	1,000	800	1,000	0.0%	0
530225	Safety		23,392	21,000	26,920	27,300	30.0%	6,300
530440	Chemicals	18	107,480	90,000	99,177	150,000	66.7%	60,000
530443	Liquid Oxygen	19	302,050	315,000	307,880	325,000	3.2%	10,000
530445	Uniforms		5,338	5,000	3,574	5,000	0.0%	0
	Total		**2,361,226**	**2,683,243**	**2,730,700**	**2,550,386**	-5.0%	(132,856)
	TOTAL DIVISION 270		**4,099,373**	**4,510,912**	**4,589,128**	**4,462,850**	-1.1%	(48,062)

CY2022 DIVISION 270
O&M FOOTNOTES

(1) <u>SALARIES ($1,530,000):</u>

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) <u>SALARIES - PART-TIME OPERATORS ($65,000):</u>

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. Since roughly 1999 the Authority has 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 and are also paid at a lower part-time rate. This item is based on the equivalent of one (1) full time 40 hour per week employee.

(3) <u>SALARIES – OVERTIME ($66,000):</u>

The Authority continues to trend overtime and manage this expense with best management practices in mind. Overtime costs are largely subject to unanticipated circumstances, such as weather, equipment breakdowns, and other unforeseen items.

(4) <u>IMRF ($109,326):</u>

This represents a $25,009 decrease compared to the CY2021 budget number of $134,335.

(5) <u>EMPLOYEE EDUCATION ($31,200):</u>

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. Also, in CY22 WEFTEC will be in New Orleans, therefore, more costs are associated with attendance.

(6) <u>PROFESSIONAL SERVICE LEGAL ($15,000):</u>

This item had a $5,000 decrease from CY2021 and is used for legal needs regarding projects and contract reviews, lease agreements, access, and all other legal consultation. This item was increased for CY2021 due to the anticipated need for additional legal services in relation to the FIP, therefore, it has been lowered back down to its traditional amount for CY22.

(7) DUPAGE RIVER SALT CREEK WORK GROUP ($35,164):

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 the Authority continues to collaborate with the IEPA with regards to its 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 almost three full permit cycles (13 years) without impending NPDES limits for phosphorus, and plans to continue to negotiate at every continuing permit cycle to reach a goal of putting the nutrient requirements off until 2035.

(8) External Consulting Fees ($25,000):

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 CY2022 the Authority anticipates needing to use external consultants for a number of small jobs or studies. The amount was increased by $5,000 for CY2022 due to the need for assistance to fulfill all the requirements mandated in the Authority's new NPDES permit issued towards the end of CY2021

(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 CY2021 financials.

(10) INSURANCE LIABILITY ($149,400):

This item represents the annual premium cost of the Authority's 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 CY2022 and an excess liability policy. This Line item is a 3% increase over what was in the CY2021 budget. Liability insurance consists of 2/3's Workman Comp costs and 1/3 Property insurance costs.

(11) INSURANCE HEALTH ($264,500):

Health care is provided through the Village of Glen Ellyn insurance plan. This line item reflects a $8,500 decrease over the CY2021 budget number of $273,000.

(12) **<u>MAINTENANCE SUPPORT ($61,650):</u>**

This line item reflects work previously budgeted in the Maintenance-Contractual line item. This represents a $3,100 decrease from the CY2021 budget number of $64,750, and is a result of reduced support services for the Combined Heat and Power facility.

(13) **<u>ELECTRICAL SUPPORT ($230,301)</u>**

This line item reflects an increase in CY2022 compared to CY2021 budget number of $217,774. The increase is solely attributed to increased annual service charges related to the new computerized maintenance management system.

(14) **<u>OVERHEAD FEES ($139,238):</u>**

Overhead fees per the Intergovernmental Agreement (IGA) are based on the annually published CPI-U Chicago increase of 1.4% for the CY2022 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) **<u>SLUDGE DISPOSAL FEES ($220,000):</u>**

Sludge disposal fees have been calculated based the bid price that was obtained in CY2021 for a 3-year contract, and estimated volume of sludge produced. Increased sludge production, coupled with a slightly higher price for hauling, has caused the budget number to increase over previous years. This cost includes the costs of hauling sludge off plant site daily in order to better mitigate odors.

(16) **<u>ELECTRIC POWER ($350,000):</u>**

In CY2017 The Authority signed a four-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). In CY2021 the Authority entered into a new four-year agreement with Direct Energy for a fixed fee of $0.03958/kWh that will take effect in February, 2022. 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 its effect on the ability to generate more electricity. The $350,000 budget number for CY2022 was lowered from the previous years $375,000 budget number, and is based on past trends and predicted CHP Electricity production. Due to significant changes related to the recently completed Facility Improvements Project, this number will be closely monitored once historical figures are able to be attained.

(17) **<u>NATURAL GAS ($60,000):</u>**

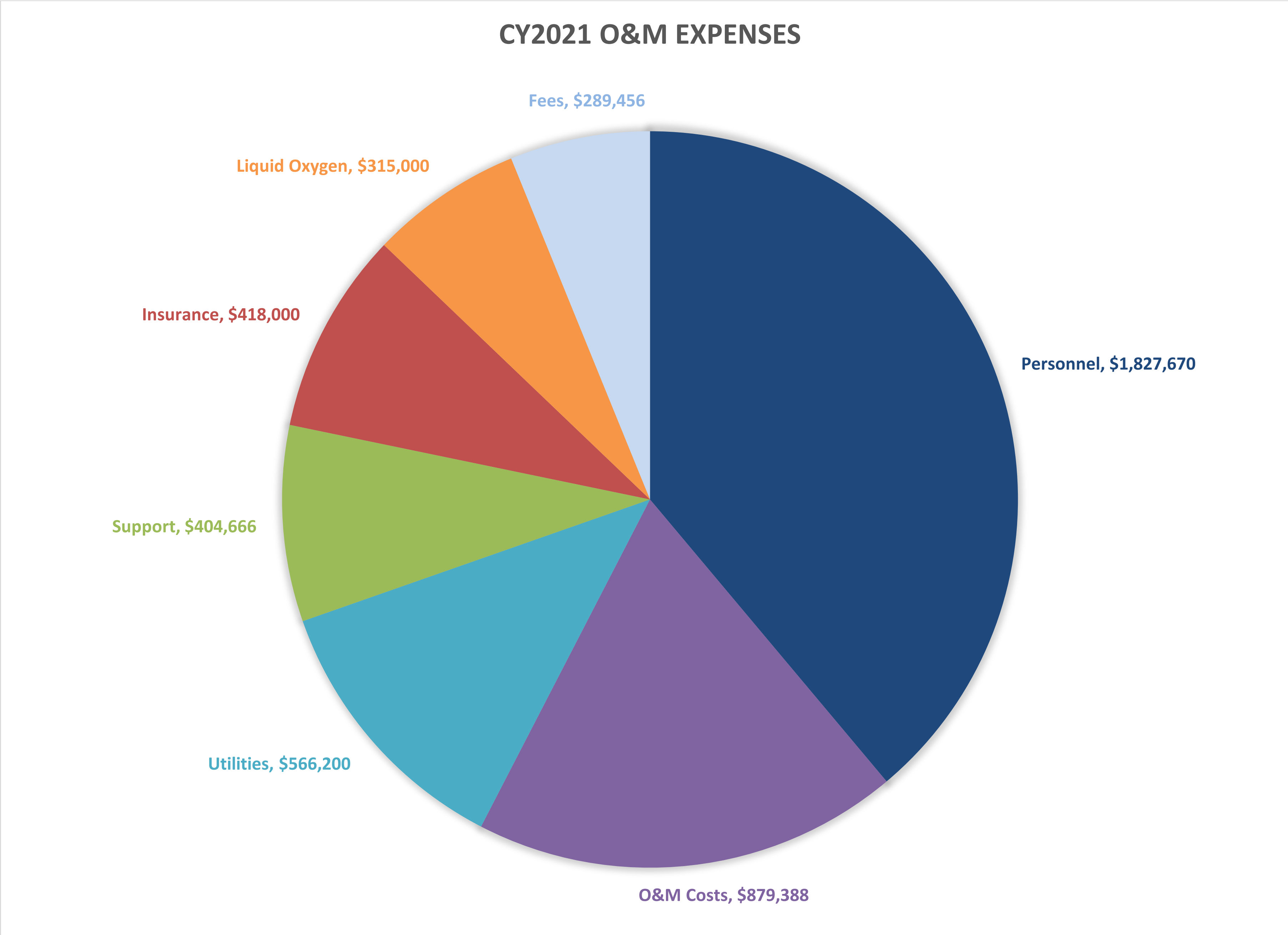
In CY2020 The Authority signed a three-year agreement which began in CY2021 (April 1) with Constellation Energy Services for a fixed fee of $2.83 per dekatherm. The Authority is looking to continue to reduce our natural gas costs with the CHP process which as a secondary savings driver will reduce the 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 CHPs from overheating.

(18) <u>CHEMICALS ($150,000):</u>

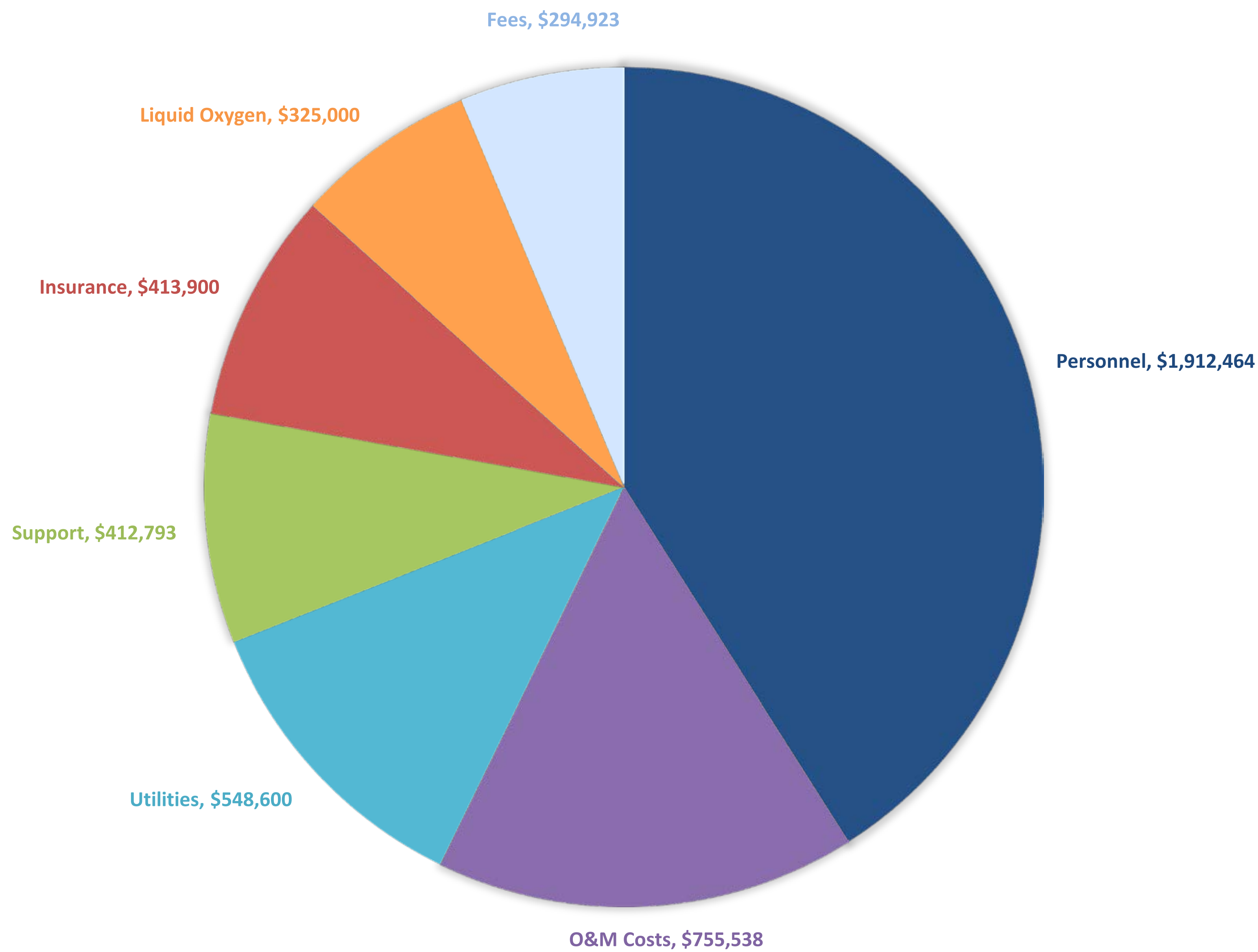
Chemicals used in the daily operation of the plant are included in this section at expected levels consistent with our recent history. Different chemicals are used for sludge dewatering, odor control, acid wash, and mineral deposition throughout the plant. Polymer production costs continue to increase annually due to the product being petroleum based. A Hypochlorite (bleach) system for worker safety was added as part of the 2017 Facility Improvement Project, and implemented in CY2021, which have significantly increased the budget for chemical costs. In addition, the costs for chlorine have increased considerably due to the nationwide shortage of chlorine after the COVID pandemic. The Authority also began dosing hydrogen peroxide into the influent stream in order to aid in odor mitigation efforts. The addition of the peroxide has been highly successful, but has also contributed to an increase in chemical costs.

(19) <u>Liquid Oxygen ($325,000)</u>

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 the Authority to start using less energy, while still operating the high purity oxygen system, and gave the ability to fine tune 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 also consumes less staff time since the cryogenic plant is no longer in operation. Traditionally, this number would decrease as a result of trying to refine actual numbers based on historical usage. However, the Authority's existing contract for supply of liquid oxygen is set to expire in CY2022, and it's estimated material prices have significantly increased. Therefore, coupled with the ability to reduce usage, along with higher material prices, this item has seen a slight increase over CY2021's number of $315,000.


CY2021 O&M EXPENSES
Fees, $289,456
Liquid Oxygen, $315,000
Insurance, $418,000
Personnel, $1,827,670
Support, $404,666
Utilities, $566,200
O&M Costs, $879,388

CY2022 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 CY2022 **EXPENSES**
Operations & Maintenance
Division 270-1
Stormwater Plant & Hill Avenue Lift Station

		Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2022	% Difference CY19-CY20	$ Difference CY19-CY20
Operations & Maintenance							
520775	Regulatory Fees	20,000	20,000	20,000	20,000	0.0%	0
520970	Maint. - Bldgs. & Grnds. / Support	7,411	10,768	8,000	10,768	0.0%	0
520975	Maint. - Equipment	1,398	5,200	5,000	5,200	0.0%	0
520980	Maint. - Electronics	363	2,000	1,800	2,000	0.0%	0
521201	Electric Power	30,323	38,000	19,612	38,000	0.0%	0
521202	Natural Gas	2,415	5,000	5,446	5,000	0.0%	0
521203	Water	3,517	5,000	3,800	5,000	0.0%	0
530105	Operations Supplies	21	1,000	835	1,000	0.0%	0
Commodities							0
530440	Chemicals	44,724	50,000	38,926	60,000	20.0%	10,000
	Total 270-1	**110,172**	**136,968**	**103,419**	**146,968**	7.3%	10,000

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 CY2022 **EXPENSES**
Operations & Maintenance
270-2
NRI / St. Charles Road L.S.

		Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2021	% Difference CY20-CY21	$ Difference CY20-CY21
St. Charles Rd. Lift Station							
520970 SC	Maint. - Bldg. & Grnds.	52	450	450	950	111.1%	500
520975 SC	Maint - Equipment	6,184	7,600	7,500	8,500	11.8%	900
520980 SC	Maint. - Electronics	0	1,500	3,277	1,500	0.0%	0
521201 SC	Electric Power	18,278	20,000	14,644	20,000	0.0%	0
	Total	**24,513**	**29,550**	**25,871**	**30,950**	4.7%	1,400
North Regional Interceptor							
520970 NRI	Maint. - Piping & Grnds.	52	500	450	0	-100.0%	(500)
	Total	**52**	**500**	**450**	**0**	-100.0%	(500)
	Total 270-2	**24,565**	**30,050**	**26,321**	**30,950**	3.0%	900

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 CY2022 **EXPENSES**
Operations & Maintenance
270-3
SRI / Valley View L.S.

		Actual CY2020	Budgeted CY2021	Estimated CY2021	Budgeting CY2022	% Difference CY20-CY21	$ Difference CY20-CY21
Valley View Lift Station							
520970 VV	Bldg. & Grnds. Support	52	700	600	1,200	71.4%	500
520975 VV	Maint. - Equipment	2,797	5,750	5,500	5,750	0.0%	0
520980 VV	Maint. - Electronics	0	500	400	500	0.0%	0
521201 VV	Electric Power	9,622	13,000	7,841	13,000	0.0%	0
521203 VV	Water	1,312	2,000	1,840	2,000	0.0%	0
	Total	**13,784**	**21,950**	**16,181**	**22,450**	2.3%	500
South Regional Interceptor							
520970	Maint. - Piping & Grnds.	52	500	400	0	-100.0%	(500)
	Total	**52**	**500**	**400**	**0**	-100.0%	(500)
	Total 270-3	**13,836**	**22,450**	**16,581**	**22,450**	0.0%	0

Capital

GLENBARD WASTEWATER AUTHORITY FUND 40 CAPITAL PLAN

REVENUE in Thousands $	Footnotes	CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)	CY(2031)	CY(2032)	CY(2033)	CY(2034)	CY(2035)	CY(2036)	CY(2037)	CY(2038)	CY(2039)	CY(2040)	CY(2041)	CY(2042)
		Estimated	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Proceeds from Borrowing	1	3273	2100				2300	4800	5000		30000	0	0	0	0	0	0	0	0	0	0	0	0
Investment Income		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Glen Ellyn Conn Fees		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Lombard Conn Fees		81	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Demand Response Program	2	26	26	27	27																		
Leachate Revenue	3	160	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
Fats Oil & Grease (FOG) / Industrial Waste Tipping Fees	4	125	75	75	75	75	75	75	75	75	75	75											
Cell Tower Revenue	5	60	64	67	71	76	80	85	90	96	101	107	114	121	128	136	144	152	162	171	182	192	204
Operating Surplus Transfers	6	364	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Pretreatment Fines		0	0																				
Renewable Energy Credits		48	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Misc. Revenue		25	1	1	1	1	1	1	1	1	1	1	10	10	10	10	10	10	10	10	10	10	11
Capital Fund Contribution - Glen Ellyn		1665	1687	1688	1705	1722	1739	1757	1774	1792	1810	1828	1846	1865	1883	1902	1921	1940	1960	1979	1999	2019	2039
Capital Fund Contribution - Lombard		2012	2027	2063	2084	2105	2126	2147	2169	2190	2212	2234	2257	2279	2302	2325	2348	2372	2395	2419	2444	2468	2493
Total Capital Fund Contribution	7	***3677***	***3714***	***3751***	***3789***	***3827***	***3865***	***3904***	***3943***	***3982***	***4022***	***4062***	***4103***	***4144***	***4185***	***4227***	***4269***	***4312***	***4355***	***4399***	***4443***	***4487***	***4532***
TOTAL REVENUE		7885	6247	4189	4230	4246	6588	9132	9376	4421	34466	4513	4494	4542	4590	4640	4690	4742	4794	4847	4901	4957	5014
EXPENSES in Thousands $		CY(2021)	CY(2022)	CY(2023)	CY(2024)	CY(2025)	CY(2026)	CY(2027)	CY(2028)	CY(2029)	CY(2030)	CY(2031)	CY(2032)	CY(2033)	CY(2034)	CY(2035)	CY(2036)	CY(2037)	CY(2038)	CY(2039)	CY(2040)	CY(2041)	CY(2041)
Debt Service Payments:		Estimated	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
Ana Digester Project Debt Payment (P&I)	8	637	637	637	637	319																	
Final Clarifier Project Debt Payment (P&I)									293	293	293	293	293	293	293	293	293	293	293	293	293	293	293
Biosolids Project Debt Payment (P&I)	9		120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
Primary Clarifier Project Debt Payment (P&I)				134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Chem P Debt Payment (P&I)								147	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147
CSO Plant Rehab Debt Payment (P&I)										305	305	305	305	305	305	305	305	305	305	305	305	305	305
Biological Nutrient Removal Debt Payment (P&I)												1915	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915
FIP Debt Payment Actual (P&I)	10	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995	995		
Debt Service Payment Subtotal		**1632**	**1752**	**1886**	**1886**	**1568**	**1249**	**1396**	**1689**	**1994**	**1994**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**2914**	**2914**
Debt Service Subtotal		**1632**	**1752**	**1886**	**1886**	**1568**	**1249**	**1396**	**1689**	**1994**	**1994**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**3909**	**2914**	**2914**
Capital Improvements																							
Property Acquisition - DCFPD NRI Easement Purchase		0	550	0																			
Capital Improvement Projects																							
Vehicle and Equipment Replacement	11	16	165	210	315	137	141	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
Small Capital Projects	12	198	578	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Infrastructure Improvements	13	46	111	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Roof Replacements - Updated based on Repl. Schedule	14	68	209	0	0	133	212	259	100	80	53	0	0	0	0	0	0	0	0	0	0	0	0
Plant Equipment Rehabilitation	15	48	635	550	550	200	550	550	550	550	200	550	550	550	550	200	550	550	550	550	200	550	550
Atomospheric Vaporizer Lease	16	20	20	25	25	25	25	25	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0
MCC Replacements	17	0	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
PLC Replacements - Campus Wide	18	216	40	40	40	40	40	40	40	40	40	40	40	40	40	40	300	40	40	40	40	40	40
Unox Deck Replacements*	19	0	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0
DuPage River Salt Creek Work Group Assmt for Watershed Projects	20	280	289	260	260	260																	
Facility Improvements Project																							
Engineering		38																					
Construction		1188																					
Electric Service Distribution System Rehabilitation Project	21																						
Engineering		60	5																				
Construction		4652	110																				
RAS Pump Station Rehabilitation*		180	0																				
Biosolids Dewatering Improvement Project																							
Engineering		104	0																				
Construction		2085	0																				
Primary Grit Odor Control Capital Improvement (Phase 1)	22																						
Engineering		0	68																				
Construction		0	383																				
Primary Grit Odor Control Capital Improvement (Phase 2)	23	0	0																				
Gravity Sludge Thickener Rehabilitation*	24	0	560																				
Primary Clarifier Improvements Project	25																						
Engineering		0	267																				
Construction		0	1,840																				
Electronic O&M Manuals				380																			
Bemis Road, Administrative Parking Lot Improvements, and Plant Resurfacing				800																			
Facility Plan					200					200					200					200			
RAS Mag Meter Replacement*					60																		
Collection System Televising						350					350					350					350		
South Sludge Lagoon Cleanout						200																	
Grit Washer #1 and Grit Blower Flow Meter Replacement*						225																	
Grit Washer #2 and Effluent Meter Replacement*						225																	
Intermediate Clarifier Rehabilitation							1200																
Intermediate Pumping Station Rehabilitation							1900																
Chemical Phosphorus Removal (1.0 mg/L)							2300																
Final Clarifier Rehabilitation								4800															
CSO Plant Rehab, Barscreen & Grit Collection System Upgrade									5000														
Carbo RAS Meter & Final Clarifier RAS Waste Pump 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 Nutrient Removal											30000												
Project Total		9200	5518	2855	2040	2385	6958	6394	6650	2190	31393	1210	1210	1210	1410	1210	1470	1210	1210	1410	1210	1210	1210
IFT/DEBT SERVICES / PROJ TOTAL		10832	7820	4741	3926	3953	8207	7790	8339	4184	33387	5119	5119	5119	5319	5119	5379	5119	5119	5319	5119	4124	4124
Cash on Hand 1/1		7742	4795	3222	2669	2974	3266	1648	2989	4026	4263	5343	4736	4111	3534	2805	2326	1637	1259	934	462	244	1077
Gain/Loss FY		(2947)	(1573)	(552)	304	293	(1619)	1342	1037	237	1079	(606)	(625)	(577)	(729)	(479)	(689)	(377)	(325)	(472)	(218)	833	890
Cash on Hand 12/31		4795	3222	2669	2974	3266	1648	2989	4026	4263	5343	4736	4111	3534	2805	2326	1637	1259	934	462	244	1077	1967

* = Process Equipment Replacement/Work Done In-House

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

CY2022

FUND 40
CAPITAL FOOTNOTES

(1) **Proceeds From Borrowing ($2,100,000):**
This line item depicts the borrowing in CY2022 to help fund the Primary Clarifier Rehabilitation Project. The total amount being requested to borrow is estimated to be $2,100,000. The total estimated 20-year Debt payment scheduled to begin in CY2023 for the project is $2,680,000.

(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 22,000 gallons per day which equates to approximately $200,000/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 ($63,600):**
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. However, T-Mobile still has yet to install their equipment, so the additional revenue has not been seen. There is no anticipated date for the equipment installation either, so a conservative number was chosen for this revenue item. This could be increased if an additional carrier signs onto the tower, as there is still room for one more carrier.

(6) <u>Operating Surplus Transfers ($363,678):</u>

The EOC approved the audit reported CY2020 O&M surplus to be transferred to the Capital Fund 40 at the July 15, 2021 meeting.

(7) <u>Capital Fund Contributions ($3,714,235):</u>

The Capital Improvement Fund 40 relies on dedicated contributions from both communities to support GWA capital expenses. Based on Facility Planning efforts during FY2013 and FY2014 the Capital Fund 40 will be increased annually based on project demands for an estimated 20 years. The current rate of increase for the Capital Fund is calculated at 1% annually which is a 1% increase compared to CY2021.

(8) <u>Anaerobic Digester Improvement Project Debt Payment ($637,001):</u> 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) <u>Biosolids Dewatering Improvements Project Debt Payment ($120,000):</u> This is the principal and interest payment for the IEPA Loan utilized for the 2021 Biosolids Dewatering Improvements Project. The amount of the loan was $2,490,750 to be paid back over twenty years at an interest rate of 1.35%, however, only $2,085,000 of the approved loan amount is expected to be used. Substantial completion is expected to be awarded near the end of CY2021, therefore, repayments would start in June 2022.

(10) <u>Facility Improvement (FIP) Debt Payment Actual (Principal & Interest) ($995,000)</u>

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 was achieved in July 2020.

(11) <u>Rolling Stock ($165,000):</u>

GWA had budgeted to replace a F250 Pickup/Plow truck and a Front-End Wheel Loader in CY2022, however, they are both deemed to be in satisfactory condition due to low usage, and therefore those replacements were deferred to future years. However, in place of those scheduled replacements, the Authority proposes to purchase a trailer and mini-excavator instead, both of which would see higher use due to demand. The trailer is needed to transport equipment to offsite facilities, such as GWA lift stations, and the CSO plant. The mini-excavator would see uses for the large number of underground assets the Authority has at both it's main facility, and remote locations.

(12) <u>Small Capital Improvements ($578,000):</u>

This cost center provides for small capital improvements, such as miscellaneous equipment, property demolition, small projects, materials and small projects. In CY2021 due to COVID related cutbacks, GWA budgeted $111,000, however, only spent approximately $30,000 for this line item.

(13) <u>Infrastructure Improvements ($110,500):</u>

This cost center provides for various infrastructure improvements throughout the GWA Facilities, which would include underground work on various plant utilities. In CY2021, $50,600 was budgeted for this item.

(14) <u>Roof Replacements ($209,000):</u>

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

(15) <u>Plant Equipment Rehabilitation ($635,000):</u>

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 CY2021 due to COVID related cutbacks, $100,000 was budgeted for this item.

(16) <u>Atmospheric Vaporizer Lease ($20,000)</u>

In CY2017 the Authority decommissioned its 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 ($40,000)

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. Typically, the capital fund would designate $130,000 per year for this item. However, after purchasing new PLC's and having them installed in CY2021 for a cost of $216,000, this item has been lowered to $40,000 per year in order to begin budgeting for future years.

(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 until the anticipated plant upgrade in order to anticipate various replacements for failed equipment and rehabilitation of structures.

(20) DuPage River Salt Creek Work Group ($288,888):

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) Electric Service Distribution System Rehabilitation Project (Construction $2,379,000; Engineering: $67,000):

Due to recent electrical failures this project had been moved up to be constructed in CY2019, but due to complexities in design, construction started in late 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. The low bid for this project came in at $4,758,000, with engineering costs at $134,000. The funds for this project were distributed between CY2020, CY2021, and CY2022.

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.

(22) <u>Primary Grit Odor Control Capital Improvement, Engineering and Construction (Phase 1 & 2) ($68,000 and $383,000)</u>

As part of the 2018 Facility Plan, a comprehensive Odor study was performed, with one of the recommendations being to construct additional odor control measures at the preliminary treatment processes. Preliminary treatment processes are typically major sources of odor emissions for liquid stream treatment, and generally consist of raw sewage pumps, grit removal, and screening. GWA has two separate facilities for raw sewage pumping, screening, and grit removal. The majority of the raw sewage pumping and screening is contained. Additionally, the grit building had the HVAC system replaced as part of the Facilities Improvements Project. The recommendation in the Facility Plan was a two phased approach, in which the first phase would be to install primary clarifier launder covers, which essentially cover the areas of the primary tanks that emit the greatest odors. Phase two proposed to install a complex system that would draw the air out from under those covers, and treat it in a biological system that would remove the odorous components of the air. However, phase two was a multi-million-dollar effort, and due to other recent improvements, it may no longer be necessary. Therefore, at this time, the Authority is planning to move forward with phase one, which will require outside consultant engineering to assist in design, and a public bidding process for installation. If the phase one improvements do not prove to be completely successful for mitigating odors, the Authority can evaluate moving into phase two.

(23) <u>Gravity Sludge Thickener Rehabilitation ($560,000)</u>

As part of the 2018 Facility Plan, recommendations were put together to continually plan to replace existing equipment as it exceeds its recommended useful life. Although existing equipment may still be functional, as it passes the age of its recommended useful life, it is prone to failure. If failure occurs, the Authority could be at risk of violating its permit, or having to perform emergency repairs that may be more costly. In 2022, the plan calls out to rehabilitate the Gravity Sludge Thickener. Most of the work would be performed in-house, and would consist of evaluating the purchase of a new cover, replacing the collector, the drive, and motor. A breakdown of the individual equipment costs is located in the facility plan.

(24) <u>Primary Clarifier Improvements Project Engineering & Construction ($267,000 & $1,840,000)</u>

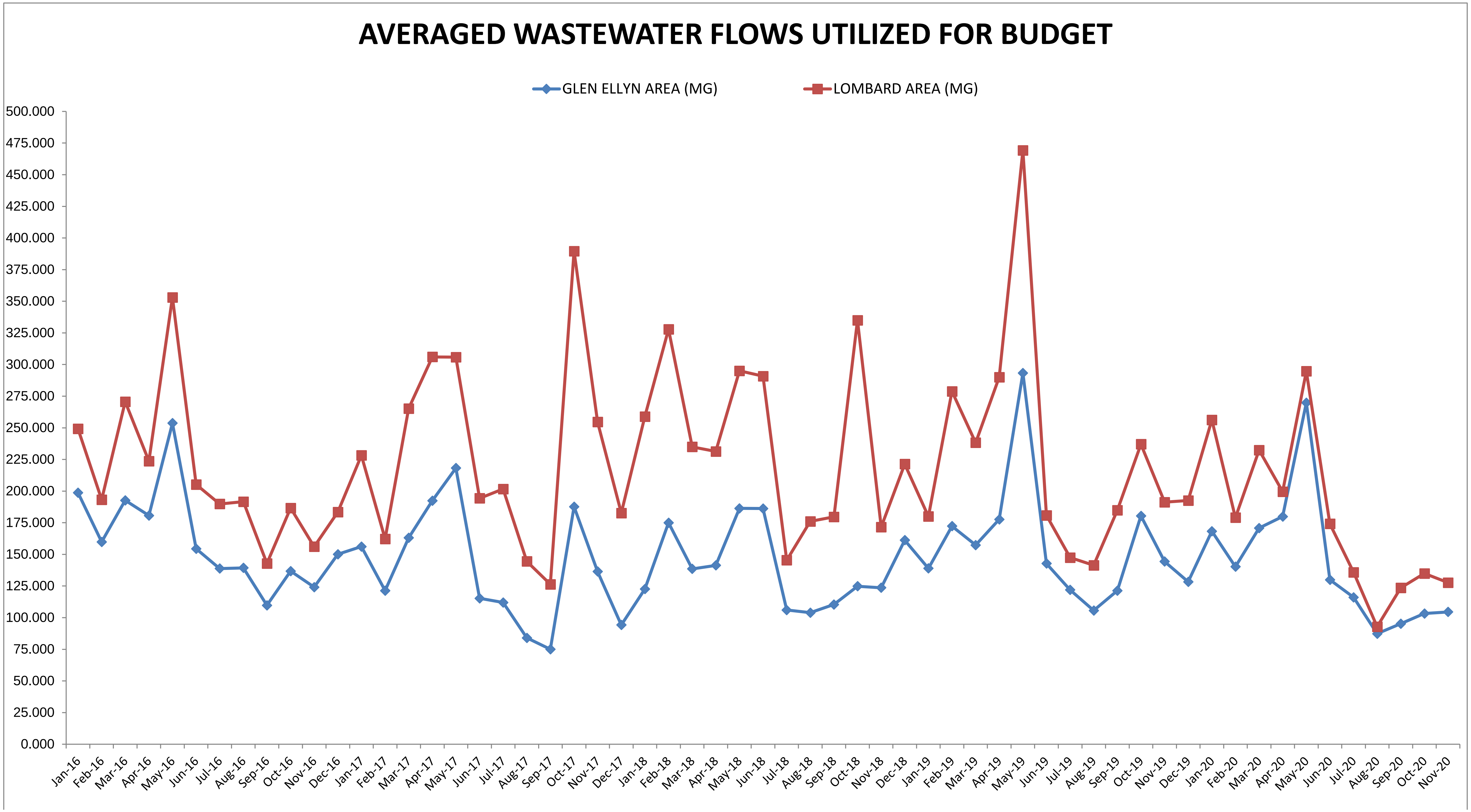
Primary treatment at the GAWTF includes two circular primary sedimentation tanks which perform solids and organic removal prior to biological treatment. Effluent from these clarifiers is combined with RAS from the intermediate clarifiers and split between the carbonaceous stage of the secondary treatment process. Primary sludge is pumped from the bottom of the clarifiers to the gravity sludge thickener. Scum is skimmed from the top of the primary clarifiers and is discharged via scum pots to a Lakeside wedge wire scum screen before being disposed of in the landfill. All gates at the primary diversion structure are original to construction of the plant. Due to the age of the equipment, a capital replacement project has been developed for the primary clarifier mechanisms, primary sludge pumping equipment, associated electrical work, as well as general site work. The complexity of the design of these improvements will require an outside design consultant, and some assistance with construction engineering. Since this work would be located in the same vicinity as the Primary Grit Odor Control Improvement, these two projects would be tied together for economy of scale.

Budget CY2022
Glenbard Treatment Facility
Fund 40 Capital Plan
Capital Improvements Detail

	Estimated CY2021	Budgeting CY2022
PROCEEDS FROM BORROWING	3,273,484	2,100,000
INVESTMENT INCOME	20,000	20,000
CONNECTION FEES - GLEN ELLYN	25,000	25,000
CONNECTION FEES - LOMBARD	80,878	25,000
ENERNOC DEMAND RESPONSE PROGRAM	26,000	26,000
LEACHATE REVENUE	160,000	117,000
FATS OIL & GREASE (FOG) / INDUSTRIAL WASTE TIPPING FEES	125,000	75,000
CELL TOWER REVENUE	60,000	63,600
OPERATING SURPLUS TRANSFERS	363,678	50,000
PRETREATMENT FINES	0	0
RENEWABLE ENERGY CREDITS	48,000	30,000
MISCELLANEOUS REVENUE	25,000	1,000
EQUIPMENT REPLACEMENT FUND		
GLEN ELLYN - 45.42%	1,664,970	1,686,820
LOMBARD - 54..59%	2,012,490	2,027,415
REVENUES TOTAL:	**7,884,500**	**6,246,835**
PRINCIPAL & INTEREST:		
IEPA FIP PRINCIPAL	702,042	702,042
IEPA FIP INTEREST	292,688	292,688
IEPA DIGESTER PRINCIPAL	573,180	587,599
IEPA DIGESTER INTEREST	63,821	49,402
PRINCIPAL & INTEREST TOTALS:	**1,631,731**	**1,631,731**
CAPITAL IMPROVEMENTS		
PROPERTY ACQUISITION		
SPENT/ESTIMATED TO SPEND	0	550,000
CAPITAL IMPROVEMENT PROJECTS		
VEHICLE AND EQUIPMENT REPLACEMENT	15,767	165,000
SMALL CAPITAL PROJECTS	198,203	578,000
INFRASTRUCTURE UPGRADES	45,600	110,500
ROOF REPLACEMENTS	68,000	209,000
PLANT EQUIPMENT REHABILITATION	48,266	635,000
CRYO MAINTENANCE/ATMOSPHERIC VAPORIZER PURCHASE OR LEASE	20,000	20,000
MCC REPLACEMENTS	0	140,000
PLC REPLACEMENTS	216,360	40,000
UNOX DECK REPLACEMENTS	0	100,000
DUPAGE RIVER SALT CREEK WORKGROUP ASSESSMENT	280,474	288,888
FIP CONSTRUCTION	1,188,484	0
FIP ENGINEERING	38,156	0
PRIMARY GRIT CONTROL ODOR CAPITAL IMPROVEMENT (PHASE 1) ENGINEERING	0	67,500
PRIMARY GRIT CONTROL ODOR CAPITAL IMPROVEMENT (PHASE 1) CONSTRUCTION	0	382,500
PRIMARY GRIT CONTROL ODOR CAPITAL IMPROVEMENT (PHASE 2)	0	0
GRAVITY SLUDGE THICKENER REHABILITATION*	0	560,000
PRIMARY CLARIFIER REHABILITATION ENGINEERING	0	267,000
PRIMARY CLARIFIER REHABILITATION CONSTRUCTION	0	1,840,000
RAS PUMP STATION REHABILITATION	180,000	0
BIOSOLIDS DEWATERING EQUIPMENT REPLACEMENT ENGINEERING	104,000	0
BIOSOLIDS DEWATERING EQUIPMENT REPLACEMENT CONSTRUCTION	2,085,000	0
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT CON. ENG	60,000	5,000
ELECTRIC SERVICE DISTRIBUTION SYSTEM REHABILITATION PROJECT	4,651,679	110,000
CAPITAL IMPROVEMENTS TOTALS:	**9,199,988**	**5,518,388**
PRINCIPAL & INTEREST / CAPITAL IMPROVEMENTS TOTALS	**10,831,720**	**7,700,119**

TABLE 1. TOTAL WASTWATER FLOWS AND PERCENTAGES FOR CY2022 BUDGET

	MONTH	TOTAL FLOW MILLION GALS (MG)	GLEN ELLYN FLOW (MG)	PERCENT OF TOTAL	LOMBARD FLOW (MG)	PERCENT OF T0TAL
Year One	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%
Year Two	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%
Year Three	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%
Year Four	Jan-19	318.896	138.933	43.57%	179.963	56.43%
	Feb-19	451.171	172.314	38.19%	278.857	61.81%
	Mar-19	395.588	157.321	39.77%	238.267	60.23%
	Apr-19	467.686	177.686	37.99%	290.000	62.01%
	May-19	762.655	293.351	38.46%	469.304	61.54%
	Jun-19	323.629	142.766	44.11%	180.863	55.89%
	Jul-19	269.388	121.928	45.26%	147.460	54.74%
	Aug-19	247.046	105.654	42.77%	141.392	57.23%
	Sep-19	306.237	121.314	39.61%	184.923	60.39%
	Oct-19	417.528	180.472	43.22%	237.056	56.78%
	Nov-19	335.586	144.345	43.01%	191.241	56.99%
	Dec-19	320.896	128.362	40.00%	192.534	60.00%
Year Five	Jan-20	424.596	168.315	39.64%	256.281	60.36%
	Feb-20	319.328	140.284	43.93%	179.044	56.07%
	Mar-20	403.218	170.790	42.36%	232.428	57.64%
	Apr-20	379.428	179.917	47.42%	199.511	52.58%
	May-20	564.516	269.806	47.79%	294.710	52.21%
	Jun-20	304.067	129.924	42.73%	174.143	57.27%
	Jul-20	251.938	116.077	46.07%	135.861	53.93%
	Aug-20	180.173	87.324	48.47%	92.849	51.53%
	Sep-20	218.823	95.204	43.51%	123.619	56.49%
	Oct-20	238.231	103.307	43.36%	134.924	56.64%
	Nov-20	232.185	104.535	45.02%	127.650	54.98%
	Dec-20	288.187	128.939	44.74%	159.248	55.26%
	AVERAGE	**364.511**	**147.569**	**40.83%**	**216.942**	**59.17%**


AVERAGED WASTEWATER FLOWS UTILIZED FOR BUDGET
GLEN ELLYN AREA (MG)
LOMBARD AREA (MG)
500.000
475.000
450.000
425.000
400.000
375.000
350.000
325.000
300.000
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175.000
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Oct-20
Nov-20

SECTION 6.2

CAPITAL IMPROVEMENT PROJECTS UPDATE

Capital Improvements Project Update

- Medium Voltage Electrical Grid Replacement
- Biosolids Dewatering Improvement Project (BDIP)
- RAS Header Replacement

Medium Voltage Electric Grid

Construction is progressing

- Installing concrete encased conduit from West side to East
  - 99% complete

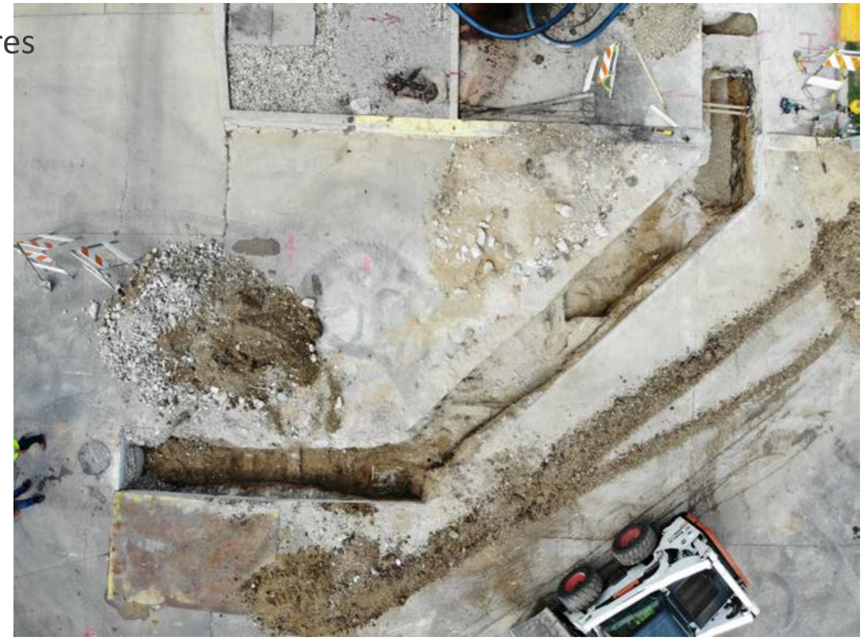
New ComEd Pole

CHANGE ORDERS

- Without ComEd change, overall price reductions outweigh the price increases, and the allowance is still untouched
- Submitting reimbursement for damages to ComEd

BDIP

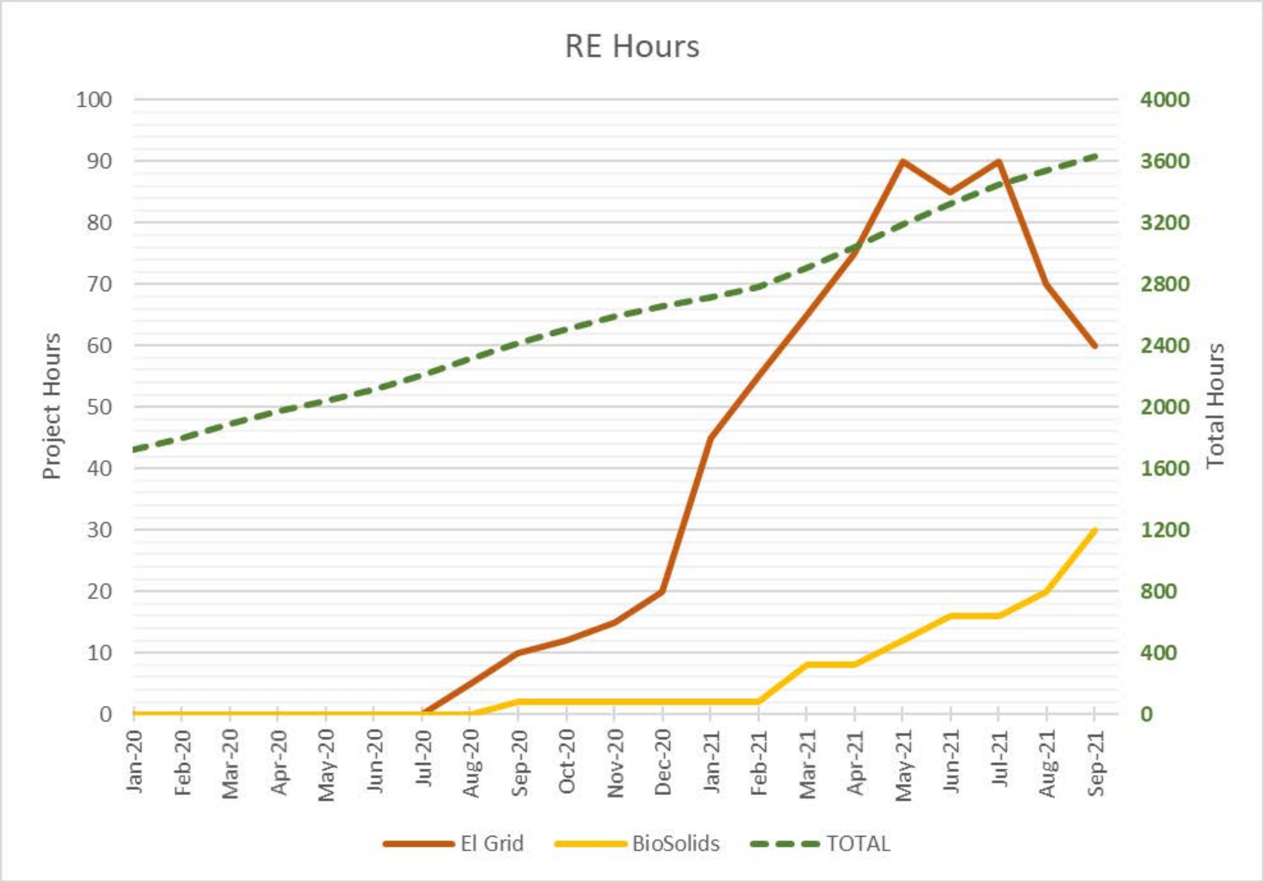
- Old Gravity Thickener has been removed!
  - Hole in wall
- A lot of demo completed
- Digging for FOG improvements done
  - Small change removing old underground structures
- Change Orders are so far negative
- Building Permit Issued
  - Fire alarm/suppression submittal is still needed, Steve Witt will be issuing memo soon.



RAS Header Replacement

- Coming Soon

RE Tracking


RE Hours
Project Hours
Total Hours
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90
80
70
60
50
40
30
20
10
0
4000
3600
3200
2800
2400
2000
1600
1200
800
400
0
Jan-20
Feb-20
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Apr-20
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Jun-20
Jul-20
Aug-20
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Nov-20
Dec-20
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Jul-21
Aug-21
Sep-21
El Grid
BioSolids
TOTAL

SECTION 6.3

LEACHATE PERMIT REVISIONS

MEMORANDUM

TO: Executive Oversight Committee

FROM: Ashley Staat

DATE: October 14, 2021

RE: Leachate Permit Reviews

Background:

Glenbard Wastewater Authority accepts leachate from four, closed municipal landfills. The leachate from these landfills is essentially rain water and the analytical data supports that these sources contain low levels of pollutants. The last local limits study ending in 2017, indicated that GWA has the hydraulic and organic capacity the handle the leachate coming from each landfill. No interference, pass through, or impairment of the treatment process has been observed. The Authority charges $0.025 per gallon of leachate received, and on average, receives $180,000 per calendar year. The money received as a result of this service is then deposited into the Capital Fund to help offset Capital Costs.

Two of the four landfills the Authority receives leachate from were permitted as Significant Industrial Users (SIUs) under the Pretreatment Program- Greene Valley and Wheatland Prairie. The other two landfills, Settler's Hill and Midway landfills, infrequently dispose of leachate at the Authority and were permitted under the hauled waste discharge permit program. In an effort to streamline permitting and create efficiencies in the pretreatment program the Environmental Resource Coordinator has reviewed the 40 CFR requirements and Sewer Use Ordinance(s) (SUO) and determined that all four landfills can be permitted under individual wastewater discharge permits.

Justification:

Regulating landfill leachate under individual wastewater permits provides continued active control of discharges where local limits must be met. Local limit pollutants and any pollutants of concern will continue to be monitored through semi-annual reports completed by Waste Management. The Authority will provide oversight through conducting randomized sampling of leachate trucks for local limits parameters. The SUO also requires all industrial users adhere to general and specific prohibitions found in 40 CFR 403.5(a) and (b) of the federal pretreatment regulations.

While there have been infrequent and minor exceedances of local limits pollutants, particularly intermittent arsenic exceedances from Greene Valley, no impacts have been observed in GWA's ability to meet it's NPDES and IEPA's land application permit limits. The average discharge of each respective landfill evaluated between January 2021-June 2021 indicated that each landfill does not meet the definition of Significant Industrial Users (SIUs), with each average daily discharge being below the 25,000 gpd threshold. By removing the SIU designation, there is a reduction in reporting requirements for GWA but does not limit the ability of GWA to protect plant processes.

SECTION 7.0

OTHER BUSINESS

SECTION 7.1

TECHNICAL ADVISORY COMMITTEE UPDATE

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 5, 2021 2:00pm
Present at meeting: Carl Goldsmith, Dave Buckley, Tom Romza, Matt Streicher

1. Budget Discussion
    a. O&M – minimal increase, if not decrease
    As of right now we have a -.7% change to the budget. Unfortunately, Glen Ellyn's contribution amount will still see an increase though due to the flow split skewing more towards their direction. The reason for this decrease is mostly due to the 20k hour service on the CHP not being part of 2022. GWA is planning for a 3% merit pool, and will be awaiting word from the Glen Ellyn finance.
    b. Capital – suggest 1.5% increase for 20 years
    GWA has planned a lot of the capital projects to be part of the IEPA loan program, which keeps the budget in the black through 2038, however, GWA is still recommending a 1.5% increase annually so that any future capital projects don't drive us into the red. The capital plan only identifies projects 20 years out, although it's known many more projects will follow, so it would be poor planning to leave the Authority in a cash strapped situation after the current 20 year plan is complete. Matt thinks that the low and steady increase to the budget is much more palatable than big increases every couple years. Dave asked if there is any minimum cash that we need to have to which matt answered there is only in the operations budget.
2. Electrical Grid Construction Update
    a. Strand Amendment - $19,200 increase (from $133,100 for Construction Services; $310,900 total)
    Crews have been cruising along after initial setbacks, 98% of underground work complete, completion date still expected to be December 2021.
        i. 480 V Encasement
        ii. Contract Extension
        iii. Material Substitution (BEI deduct)
        iv. Site Visit decrease (GWA efforts)
        The design/construction engineering contract is running out of money due to the above stated various reasons. While GWA has gotten some additional benefit to having the 480 V conduit encased in concrete, it was not originally called out for in the plans, so this has lead to additional engineering charges. The overall project extension has also lead to additional engineering fees. However, the extra engineering time related to the material substitutions will actually be recovered from the general contractor through a deductive change order. GWA has also been able to offset some of the additional engineering fees incurred by covering more of the site inspections in-house, which has allowed the engineer to make less trips. GWA feels the amendment is justified for these reasons and that the engineer is entitled the additional funds.

3. Biosolids Dewatering Improvements Project (BDIP) Update
Construction is still in its early stages. One wall has been knocked out, and the old gravity belt thickener has been removed through that hole. A roof exhaust fan has also been replaced.
    a. Building Permit/Sprinkler Status
    Waiting for the fire chief to come out and do a walkthrough to check the flammability of the building. Matt will follow up with Steve Witt to make sure the meeting gets set up soon. Dave suggests that someone from each Village is present during the walkthrough to advocate on

GWA's behalf. The building department has agreed that they will not hold up the project in the meantime.

4. EOC Agenda Items
    a. Grinder replacement - $22,248.00
        i. Internal Approval
        The amount for this was lower than EOC approval. GWA thanks the TAC for their recommendation to move forward with the purchase.
    b. RAS Header Replacement
        i. $78,888.88
            1. 30 Day price hold
            GWA will bring this item to the EOC once the second quote is received. We may have to make sure that we get approved within the 30 day price hold, so if necessary, a phone poll may be needed. Two quotes were requested because the two contractors are both familiar with our plant and our staff. However, we might not be able to go the route of waiving the bid process due to the purchasing policy. Carl stated that Lombard would be fine with this route of awarding the project due to the existing relationships of the two quoted companies. Dave recommended that GWA confirms with Christina that this is an OK route to go.
5. Interceptor Rehabilitation RFP
In conversations with Lombard's Ray Schwab, Carl, and Dave, it was decided that GWA would probably keep this project separate from the Lombard rehab project. Generally there would not be any economy of scale savings due to the different rehabilitation plans. In fact, collaborating on this may actually create extra work due to the coordination between the two projects. However, GWA stated they would like to borrow language from Lombard's RFP, and that the discussion of collaborating on this RFP was good, regardless of the outcome.
6. Budget Discussion
    a. Merit Increases
    Previously discussed
    b. Promotion
    Brian Simpson has officially been promoted. Congratulations to him.
7. Fire Alarm Panel – No Update
    a. Potential $1M rehabilitation; $235k to rehabilitate "in-kind"
    GWA's goal was to reduce the amount of fire monitoring needed, which is likely not going to happen. GWA's next option is to replace fire monitoring "in kind" as opposed to adding fire monitoring in every building. Steve Witt at the Village said that GWA should be adding fire monitoring in the future, when buildings are remodeled. Dave suggested that we need to figure out who makes the final decisions on these projects and make sure that we got out of the grey area. Probably should have this discussion while talking about the fire suppression in the BDIP.
8. Old Business – *No Update*
    a. Exhibits and language for Village/GWA Connection points at
        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
    Dave Buckley suggested reaching out to Bob Minix directly to get his comments, and once addressed, we could memorialize these documents for future use and finally get this item off the TAC agenda.

Meeting adjourned 2:54pm

SECTION 7.2

FULL BOARD MEETING DATE DISCUSSION

SECTION 10.0

NEXT EOC MEETING

TO BE DETERMINED – NEXT REGULARLY SCHEDULED MEETING DATE FALLS ON THE VETERANS' DAY HOLIDAY