

#GLENBARD WASTEWATER AUTHORITY

**Executive Oversight Committee**

**Agenda**

**June 16, 2025**

**8:00 a.m.**

**945 Bemis Road**

**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 of April and May of 2025 in the amount of \$1,569,053.94 (Trustee Christiansen).*

5.1 Executive Oversight Committee Meeting Minutes:

April 10, 2025 EOC Meeting

5.2 Vouchers Previously Reviewed:

April and May 2025 – Trustee Christiansen

5.3 Request for Authorization to Purchase Gas Scrubbing Media from Unison Solutions in the Amount of \$30,720

Prior to digester gas being used in the CHP's, the gas needs to be "scrubbed" in order to remove siloxanes and hydrogen sulfide, in order to help preserve the life of the engines. Although the life of the media is tracked, due to varying usage and gas conditions, it is difficult to exactly predict when the media will reach its useful life. Since there is little expiration notice, and the media has a long shelf life, we prefer to have the media onsite and available to keep the down time of the engines to a minimum. Therefore, staff obtained pricing ahead of schedule so that the purchase can be made, and the media available for use when needed.

The Authority also recommends to waive public bidding based on section "C.1.f Standardization Purchases," as Unison Solutions is the manufacture of the gas conditioning system, and therefore, for optimal performance it is recommended to continue using the Unison Solution media.

In the 2025 GWA budget, staff allocated \$100,000 for the purchase of this media in budget category Plant Equipment Rehabilitation account 40-580150. The

budget amount was taking into account at least two purchases of the hydrogen sulfide media (similar to current request), and one purchase of the siloxane media.

***The Authority requests approval to waive public bidding based on section “C.1.f Standardization Purchases,” and authorize approval to purchase CHP media from Unison Solutions in the amount of \$30,720.*** This has been discussed with the TAC, and all are in agreement with the recommendation.

#### 5.4 Request for Authorization to purchase a 2025 Ford Escape Hybrid from National Auto Fleet Group for \$39,959.59

The Authority has identified the replacement of Unit 642, a 2010 Dodge Caravan with 55,578 miles, as part of its ongoing vehicle replacement plan. As the vehicle is now 15 years old and approaching the end of its service life, replacement is both timely and aligned with the Authority’s operational and sustainability goals. The Authority has obtained pricing from National Auto Fleet Group, an approved Sourcewell consortium partner, for the purchase of a 2025 Ford Escape Hybrid Due to Sourcewell being a qualified cooperative purchasing program, ***the Authority is requesting to waive a competitive bidding process per section C.1.d of Glen Ellyn’s purchasing policy, and authorize the purchase of one (1) 2025 Ford Escape Hybrid from National Auto Fleet Group per Quote #39598 in the amount of \$39,959.59.*** Funding for this purchase is available in the CY2025 Approved Budget, Fund 40-570155 (Rolling Stock – Vehicles), which allocated \$66,554 for this replacement.

### 6. Facility Plan Presentation

Per the Intergovernmental Agreement that the Authority was formed by, “Every five (5) years, the Authority shall conduct a review of the capital plan; said review shall be performed by an outside consultant and be known as the facilities plan. The result shall be used as the basis for updating the Authority’s ten (10) year capital plan.” In CY2024, the Authority sent a request for proposals to complete a new Facility Plan, and after a competitive process, the EOC authorized selecting two of the Authority’s shortlisted firms that had teamed up, Baxter & Woodman and Carollo Engineers.

For two main reasons, the RFP was structured differently than past years: (1) the 2019 Facility Plan was detailed and in-depth, and having been performed only five years ago, the majority of the Plan is still valid and applicable, and (2) the expected Phosphorus regulations on the Authority’s future permits warrant a closer look into the potential treatment options available to meet these regulations. Those new treatment processes will require significant reconstruction and upgrades to the Authority’s main facility, and this Facility Plan will serve as a roadmap to allow the Authority to plan and prepare for those significant changes.

After just over yearlong study, the final Facility Plan report was completed, with the Executive Summary being included in this agenda packet. Representatives from Baxter

& Woodman will be in attendance to present on key findings of the study, and potential action items to move forward with.

7. Request for Authorization to Approve the Maintenance Contract with Nissen Energies for Combined Heat and Power Engine's 20,000 Service Interval in the amount of \$124,516.74

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 CHP #1 has 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.

Due to staffing vacancies and transitions while the CY2025 budget was being put together, this cost was overlooked, and not properly budgeted for. However, currently, the Authority has unbudgeted revenue of nearly \$100,000 for the selling the renewable energy credits, is trending to earn \$50,000 or more than what was budgeted for fats oils and grease tripping fees, along with other miscellaneous revenue, and therefore, the Capital budget has sufficient funds to prevent this unbudgeted cost from making negative impacts. Funds will be sourced from budget line item 40-580180. The Technical Advisory Committee has also evaluated this approach and proposal.

***The Authority recommends the EOC authorize the Authority to approve the contract with Nissen Energy in the amount of \$124,516.74 for the CHP 20,000 service interval. The funds will be taken from Fund 40-580180.***

8. Retroactive approval for Authorization to Waive Competitive Bidding and Approve a Maintenance Contract with Hidrostal, LLC, for the repair of the "Low Flow" raw influent pump in the amount not to exceed \$36,740.10

The Authority's Maintenance team along with assistance from Electrical and Operations staff found one of the two "Low Flow" Main Raw Sewage Pumps that are manufactured by Hidrostal North America to have a bearing knock issue and overheating. The Hidrostal service technician was called to verify this, and after being unable to the correct issue on site, the technician recommended the pump needed to be sent to Hidrostal service shop

for repairs and inspection. After inspection, the report confirmed the issue of an overheated pump due to seal wear that allowed the cooling oil to be contaminated and ineffective. The seal wear was confirmed from normal use and vibration, and no fault of the Authority.

Hidrostal is the sole vendor and manufacturer of the parts for this pump, and efforts to find aftermarket service were unsuccessful due to Hidrostal's proprietary patents. The Village of Glen Ellyn's approved purchasing policy defines Single source purchases as material or services that are available from only one vendor but are deemed necessary to Village operations may be exempt from bidding requirements. This pump is vital to daily operations and used as a main raw sewage pump to maintain flow through the plant from the wet well and to begin the treatment process. The other Hidrostal low flow pump of same manufacturer and specifications is currently the only pump available, and as such the Authority is currently without redundancy for main raw sewage pumping until this can be repaired. Due to the lack of redundancy and need to get this pump back as soon as possible, emergency approval in a not to exceed amount of \$36,740.10 was given by Village Manager Franz on June 2, 2025. Due to the pumps being relatively new still, the Authority negotiated with Hidrostal to lower the cost of the repairs, as this type of failure should not be occurring so soon. After the emergency approval was given in the not to exceed amount of \$36,740.10, the cost of the repairs was lowered to \$24,912.98. In addition, Hidrostal agreed to perform extensive investigations as to why this failure occurred.

***Therefore, the Authority is requesting retroactive Authorization to Waive Competitive Bidding and Approve a Maintenance Contract with Hidrostal, LLC, for the repair of the "Low Flow" raw influent pump in the amount not to exceed \$36,740.10.*** This is proposed to be sourced from the approved CY2025 Plant Equipment Rehabilitation Budget, where other items that were included in CY2025 have come under budget, leaving adequate funds for this repair.

## 9. Discussion

### 9.1 Electric Supply Procurement For CY2026 – CY2029

After approved was given to seek procurement of a new electric supply contract at the January 9, 2025 EOC meeting, on May 22<sup>nd</sup>, 2025 the Authority locked in a new fixed rate of \$0.05943/kWh for three years beginning in February 2026 with Freepoint Energy. The existing \$0.03958/kWh rate that has been in place since February 2022 with Direct Energy was locked in during historical lows. Unfortunately, this new rate is about 50% higher than the existing rate, and the Authority is estimating that this could increase the Operations and Maintenance budget by nearly \$225,000. Although the Authority has historically locked in four-year engagements for electric supply, locking in the three year this cycle saved approximately \$0.006/kWh, saving the Authority an estimated \$70,000 a year in energy supply costs.

### 9.2 Regularly Scheduled Executive Oversight Committee Meetings Dates and Times

### 9.3 New Staff Introductions

#### 9.3.1 Daniella Martínez

Daniella Martínez joins GWA as the new Environmental Resources Coordinator. She has a 13-year industry background in wastewater and laboratory as well as an academic background in chemistry. Her interests include activities such as baking, cooking, and gardening, she enjoys applying her scientific knowledge to her culinary and horticultural pursuits. Outside of her individual interests, she enjoys spending quality time with her family and friends.

#### 9.3.2 Ray Ismail

Rayiad Ismail has been with the Authority since late 2023 in the Part-Time Laborer position and was recently promoted to a Full Time Operator-in-Training. We look forward to continuing to work with Ray and developing his Operations skills.

#### 9.3.3 Ethan Wolski

Ethan Wolski filled the last vacant Plant Operator position, starting with the Authority on June 10<sup>th</sup>. Ethan's title is Plant Operator-in-Training, and comes to the Authority after having previous roles with the City of Des Plains Public Works Department and the Village of Deerfield Wastewater Treatment Facility.

#### 9.3.4 Corey Artos

Corey Artos is starting with the Authority on June 16<sup>th</sup> as a Maintenance Mechanic III. Corey comes to us after having most recently working with Dreisilker Motors out of Glen Ellyn, as well as, several other mechanical positions prior to that.

### 10. Other Business

#### 10.1 Technical Advisory Committee Updates

#### 10.2 New Carbon/ Renewable Natural Gas Grant

In January 2025, the Executive Oversight Committee approved of the Authority entering into a Memorandum of understanding pertaining to a potential collaboration with NewCarbon on the development of a renewable natural gas project. New Carbon is a third party turn key provider, and the purpose of memorandum of understanding (MOU) was to obtain information from the Authority (and the other agencies in the consortium) to be able to apply for grants to determine the feasibility of constructing the renewable natural gas facilities at each agency. The Authority recently learned that Governor JB Pritzker and the

Illinois Department of Commerce and Economic Opportunity (DCEO) have selected NewCarbon to receive funding to advance the development of renewable natural gas (RNG) projects at three wastewater treatment plants (WWTPs) in DuPage County; DuPage County Public Works, Wheaton Sanitary District, and the Glenbard Wastewater Authority. Enclosed in the packet is the official press release from NewCarbon, which also contains a link to the Governor's press release.

### 10.3 Other Business

11. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting date and time to be set during the June 16, 2025 meeting.