

## **Maintenance Monthly Activity Report for November 2025**

### **Overall**

We are preparing the preventive maintenance program for the new administrative workforce center by assigning equipment numbers, developing tag lists, and creating PM plans before systems come online. As equipment is commissioned, maintenance staff will be trained on the required procedures to ensure readiness.

Maintenance completed 464 work orders in September. We had a heavy concentration on projects, including city water leak repair, hydrant replacement, and winterization. We had a total number of 1360.63 work hours reported. 1297.83 on proactive work and 62.8 on corrective/reactive work.

Due to the rising costs associated with hiring outside contractors to pump out and screen our digesters for maintenance, we have decided to invest in our own equipment and bring this work in-house. This will allow us to reduce long-term expenses, gain greater control over scheduling, and enhance our operational efficiency. The initial investment of \$36,025 for a bumper pull roll off trailer and \$20,000 for a 15-yard dewatering container is \$140,000 less than we were quoted for the digester cleaning as part of lid #1's replacement. We can then utilize the equipment for other purposes as needed. Purchase orders have been issued, and the equipment should be delivered in January 2026.

Requests for quotes for the replacement of the loadout piping at the Wyckles facility will be sent out in the coming weeks. The piping will be fully replaced and upsized to decrease the fill time for each tanker. All equipment at Wyckles has been winterized. A list of priority repairs is being put together so we can have them completed prior to filling the east lagoon.

Thank you to the Buildings & Grounds and Maintenance Crews for their excellent response to the recent heavy snow. They did a great job keeping our roads and sidewalks passable for operations staff.

We have adjusted our agreement with Voltus under the new contract to provide load shedding for the grid. The agreed-upon shed amount is 400 kW, which we should still be able to achieve with the solar equipment in place.

### **Solar Project – Comprehensive Board Summary**

**Prepared by:** Progressive Business Solutions and General Energy

**Date:** December 2025

## **Maintenance Monthly Activity Report for November 2025**

### **Executive Summary**

The Solar Project is advancing as planned through the engineering design process, Ameren Illinois interconnection review, and coordinated procurement activities. Engineering is progressing toward the 90% design milestone; final construction documents will follow review and comment. Procurement of long-lead solar equipment has been strategically executed to reduce downstream construction delays.

The recent Clean, Reliable Grid Affordability Act (CRGA) provides external legislative support that may improve Ameren's interconnection review timing over the next 12 months, creating a more favorable environment for project execution and energization.

### **Engineering & Design Progress**

The project is currently progressing through the 30–90% design phase.

The structural team is awaiting the following items to finalize their 90% design documents, which will be shared with SDD. Upon receiving your review comments, the updated sets will be used for construction purposes.

- Revised geotechnical report
- Pile load test summary
- Topographic survey

The topographic survey is anticipated by the end of December, and the remaining civil items are expected by 12/15. Based on this timeline, we anticipate completing the 90% design documents by the end of January, 2026.

Following receipt of District review comments, final construction documents will be prepared.

### **Ameren Interconnection Agreement (IA)**

Current Status

- Project ID: DER-66044  
<https://www.ameren.com/service/renewables/developers/interconnection-queue>
- Queue Position: 44th (Down from 53 originally)
- Submission Date: August 1, 2025

Historically, Ameren interconnection reviews take 6–15 months, depending on feeder capacity, study complexity, and internal backlog.

The Interconnection Agreement will:

1. Confirm whether grid upgrades are required, and
2. Establish Ameren's construction/design schedule relating to those upgrades.

If upgrades are required, 100% of associated costs must be paid before Ameren initiates utility-side work.

## **Maintenance Monthly Activity Report for November 2025**

### **Procurement and Construction Readiness**

GEC is targeting to source racking and major bill-of-material items such as panelboards and racking immediately upon receipt of the IA from the EDC. The IA will confirm whether the project is approved to interconnect with the EDC transmission infrastructure without upgrades or whether upgrades are required. Please note that 100% of EDC fees for required upgrades must be paid before their team begins design and construction. The IA will also include an approximate timeline for their scope of work, which contractors use to plan the construction schedule and ensure system energization aligns with the utility's timeframe.

Note: GEC has already paid the solar module manufacturer and purchased the modules to avoid mobilization delays once the IA is received.

### **Legislative Overview - CRGA (Clean, Reliable Grid Affordability Act) – Impact on Interconnection Timing**

CRGA (2025) was enacted to:

- Modernize Illinois' electric grid,
- Accelerate renewable energy and DER deployments,
- Improve interconnection coordination, transparency, and review efficiency.

CRGA creates a regulatory environment that:

- Encourages Ameren to reduce delays in the interconnection queue,
- Improves study throughput,
- Enhances internal planning and staffing around DER integration.

These factors are expected to yield measurable improvements in review timing over the next 12 months.

Constraints That CRGA Does Not Eliminate

- Necessary system impact studies,
- Possible utility upgrades,
- Required utility-side construction sequencing.

Thus, while timing is expected to improve, Ameren's technical and procedural tasks remain mandatory

### **Priority Action Items**

1. Complete 90% design and issue by late January 2026.
2. Maintain proactive coordination with Ameren during IA review.
3. Prepare procurement and mobilization plans for immediate execution post-IA.
4. Maintain financial readiness in case upgrades are identified.

## **Maintenance Monthly Activity Report for November 2025**

The Solar Project continues to progress smoothly through engineering and development. Procurement decisions have already mitigated future schedule risks. The District has flexibility to request a 60% review if beneficial, but the current plan appropriately targets the 90% milestone for final technical review. The CRGA legislative environment provides favorable external conditions that may improve Ameren interconnection timing relative to historical precedent.

The project remains viable, scalable, and aligned with statewide grid modernization and clean-energy objectives.

### **Information Systems and I&C Monthly Activity**

- Working with MIS, Engineering, and Contractors on the new Administrative Workforce Center.
- Troubleshooting the Teams phone system and finding solutions to issues with the auto attending and call routing.
- Working with Farnsworth and Black and Veatch on the I&C scope of work for the new plant upgrades, fiber optic color scheme, and labeling.
- Worked with the System Integrator on SCADA upgrades, color scheme going forward, updating drawings to match the new color scheme, verified MCC layouts and drawings supplies during installation
- PM and Corrective Work Orders
- Ran a new power feed to dewatering wells D14 and D14a.
- Adjusted level controls and replaced the transducer on dewatering well D34.
- Tyler Gillen has completed the classroom portion of ELDT training required to obtain his CDL. Tyler is nearing completion of his public road and course training and should take his CDL test soon.
- We are labeling all light switches and receptacles with breaker/circuit locations around the plant.

### **Mechanical Maintenance Monthly Activity**

The mechanical maintenance group has completed or is working on the following:

- Preventive Maintenance Work Orders
- Winterization of the Wyckles Facility has been completed. Staff have also completed preventive maintenance on the Nuhn lagoon crawler.
- Maintenance staff installed dewatering pumps to allow for Plocher to complete work on primary clarifier# 6 and the west cluster diversion structure. Staff will install a pump in the north diversion structure to allow Plocher to perform their field measurements on 12/17/25.

## **Maintenance Monthly Activity Report for November 2025**

- Staff started clearing the south levee riprap of small trees and saplings in late November. Pictures will be included of the completed project in next month's board packet.
- Staff installed a replacement valve and hydrant at the base of the water tower. The failure of the valve made the project more challenging as the entire water tower had to be drained to complete the task.
- Replacement accumulators for the primary digester gas system have arrived. The replacement of the accumulators will be completed by the end of January 2026. The existing accumulators have developed pitting and have a large amount of material loss.
- Completed installation of a replacement Muffin Monster (dual shafted grinder/shredder) on the ODS pump for primary clarifier #4.
- We plan to have a crane on-site in December to replace the defective motor coupling on the linear motion mixer on digester #3. The mixer is out of service until the coupling insert is replaced.

## **M.I.S. Department Monthly Update**

- Network Administration, Helpdesk, Troubleshooting, and Repair
  - Ongoing network and user administration.
  - Troubleshooting user issues with the new Teams phone system.
  - Set up replacement PCs for operations and engineering.
  - Reviewed the network installation for the new Administrative Workforce Center.

# Maintenance Monthly Activity Report for November 2025

## Email Statistics

Month-Year	Total Inbound Email	Rejections (includes viruses & spam)	Legit Inbound Email	% Rejections	Total Outbound Email	Total Internal Email
Dec - 2024	8,351	3,130	5,221	37.48 %	1,431	8,030
Jan - 2025	13,210	6,666	6,544	50.46 %	1,462	8,055
Feb - 2025	62,182	55,520	6,662	89.29 %	1,452	6,044
Mar - 2025	65,440	59,221	6,219	90.5 %	1,523	7,259
Apr - 2025	57,494	50,248	7,246	87.4 %	1,883	8,919
May - 2025	13,170	5,766	7,404	43.78 %	2,036	10,222
June - 2025	10,441	3,804	6,637	36.43 %	1,738	8,143
July - 2025	11,717	4,402	7,315	37.57 %	1,962	8,914
Aug - 2025	11,593	4,558	7,035	39.32 %	2,145	9,388
Sep - 2025	12,038	4,988	7,050	41.44 %	1,838	8,145
Oct - 2025	14,161	6,708	7,453	47.37 %	2,214	8,149
Nov - 2025	10,716	4,281	6,435	39.95 %	1,904	7,026
Total	290,513	209,292	81,221		21,588	98,294
Mean	24,209.42	17,441	6,768.42	53.41 %	1,799	8,191.17

Table of Email Statistics

## Rejection Overview

Total Rejection Count: 4281

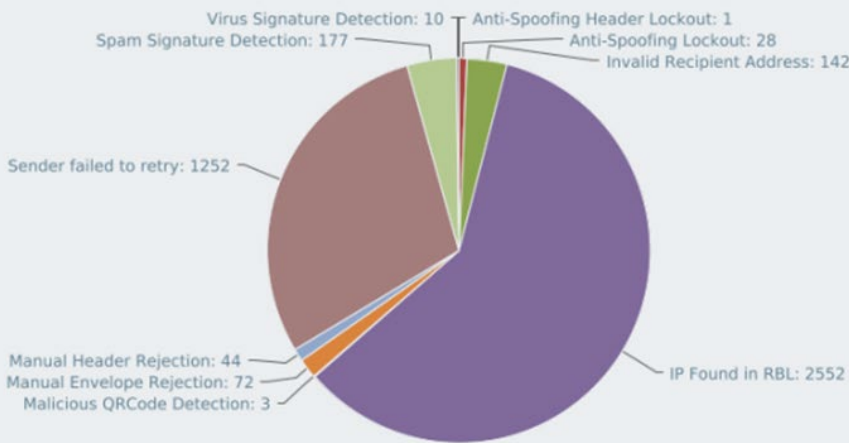


Chart of Rejection Overview

If you have any questions or would like additional information about the maintenance department and our activities, feel free to contact me.

Thank you,

James Malone, CPMM

Phone: (217) 462-9402