

Austin Water is making improvements to Ullrich Water Treatment Plant that will bring process enhancements to the plant. Austin Water's Capital Improvement Plan does not include plans to expand the current rated capacity of the plant, which is currently 167 million gallons per day. A list of significant projects in the 5-year Capital Improvement Plan for Ullrich Water Treatment Plant as of April 2022 is provided below. These projects will be constructed on the current site and are planned within the current fence line.

Recently Completed

- 8702.009 Zebra Mussel Mitigation – Construction of buried piping within the low service pump station site and bulk storage tanks and feed pump equipment at the PAC building site. Substantially Complete
- 5335.088 Ullrich Polymer Feed System – Construction of bulk storage tanks and chemical feed equipment to handle high turbidity events such as extreme flooding. Substantially Complete

In Construction

- 5335.016 Low Service Pump Station Electrical Feed Renewal – Construction of a new electrical building, roadway, and electrical duct bank to improve electrical reliability. This construction will occur within the low service pump station site. Estimated Completion: Winter 2024
- 5335.070 Ullrich WTP Lime Feed Loop – Modifications to the lime slurry feed system at Ullrich Water Treatment Plant, converting the existing system to a looped lime slurry delivery system. The new system will enhance worker safety, have greater automation, and provide better reliability. This project will enhance the indoor lime blower's ability to offload lime and minimize the need for truck drivers to use their truck's external blowers. Work will primarily occur within the existing building. Some piping work will be done on the basins. Estimated Completion: Winter 2022

Future Projects

- 5335.064 UWTP Raw Water Pipe Gallery Rehab and Coating – Replacement of corroded piping, valves, and spot coating repairs. Estimated Construction Period: Winter 2024 – 2026
- 5335.075 Process Drain & Support System Improvements – Construction of additional parking, buried piping, solids change over facility building and a new storm water containment basin. This construction will occur within the main treatment plant site. Estimated Construction Period: Winter 2022 – 2025
- 5335.008 Onsite Sodium Hypochlorite and Liquid Ammonium Sulfate Conversion – This project will allow Austin Water to discontinue deliveries of chlorine and ammonia gases to Ullrich Water Treatment Plant for use in its disinfection process. Sodium Hypochlorite will be generated onsite using ordinary table salt and electricity, and the anhydrous ammonia gas

feed system will be replaced with liquid ammonium sulfate, a safer alternative to ammonia gas. These systems are currently in operation at the Handcox Water Treatment Plant. Although Austin Water has a safe operating history with the current technologies, these process enhancements are being planned to decrease risks associated with transporting, handling and storing hazardous materials.

Estimated Construction Period: Winter 2024 – 2027

- 5335.081 UWTP Roofing, Door, and Window Renewal – Construction of new roofs on portions of the Administration Building, Centrifuge Building, Sludge Handling Building, and construction trailer. It will also replace various windows and exterior doors.

Estimated Construction Period: Winter 2023 – 2025

- 5335.089 UWTP Solids Handling/Centrifuge Improvements – Replacement of all four centrifuge control panels.

Estimated Construction Period: Winter 2023 – 2025

The City of Austin [Capital Projects Explorer](https://capitalprojects.austintexas.gov/projects) lists capital improvement projects throughout the City, including ones planned at Ullrich Water Treatment Plant. Visit <https://capitalprojects.austintexas.gov/projects> to find projects.

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