



State of Missouri

OFFICE OF ADMINISTRATION

DIVISION OF FACILITIES MANAGEMENT DESIGN & CONSTRUCTION

Upcoming Improvements to the Capitol Complex Chilled Water Plant at the Environmental Control Center (ECC)

WHAT:

The project objective is to improve the energy efficiency, performance, and reliability of the ECC chilled water plant. The plant supplies chilled water for cooling to several buildings throughout the Capitol Complex including the Capitol, Supreme Court, Truman, Broadway, and Jefferson Building.

The existing chillers, cooling towers and pumps are beyond their useful life and are being replaced with new, high-efficiency equipment. This project also includes electrical system upgrades and significant improvements to the automation and control systems.

This project was designed by GBA. The construction contract has been awarded to Pro-Prost. QuesTec is the mechanical sub-contractor and Kaiser Electric is the electrical sub-contractor.

Ameren estimates this project will reduce the energy consumption of the Capitol Complex by 2,592,524 kWh annually. This equates to a savings of around \$228,800 per year.



WHEN:

Construction began October 2021 with the installation of temporary chillers to maintain cooling service for the Capitol Complex during the construction period. This was followed by demolition of all existing chilled water equipment and piping.

Installation of new equipment and piping is in progress and on schedule to be completed by the end of March 2022. Upon completion, the new system will be brought on-line, loads will be transferred, and all temporary equipment will be removed.

WHAT TO EXPECT:

There will be a brief chilled water outage during the changeover from the temporary equipment to the new system and some buildings may experience minor temperature fluctuations during this period.