



Madison Water Utility – SCADA Room Remodeling Project Summary

February 17, 2016

The SCADA Room Remodeling Project requires alteration of 675 SF of the existing grouping of offices, Lab & Monitoring Room, Electronics Technician Office, and Control Room, that monitor and control the Utility Pumping System 24 hours per day 365 days per year. The main consideration for alteration is Temperature/HVAC and Humidity Controls for the areas with 43 operational computers and 12 hour employee shifts.

The project will add a wall enclosure at existing opening between the Hall and Lab & Monitoring Room with a hollow metal door, transom, and sidelite. Door Hardware shall tie into existing building access control. A window film will also be provided to cover the existing, exterior South facing windows in the Control Room to provide additional heat-gain control in the room.

The project will add a new Liebert Unit to the Control Room to provide additional cooling to accommodate loads from existing computers. The Lab & Monitoring Room and the Electronics Technician Office are to remain on the existing building HVAC system, but shall be planned for modifications in the future. Miscellaneous minor modifications shall be provided to accommodate the new Liebert Unit and office suite enclosure, notably any hub drain condensate drains and electrical connections to the emergency power systems.

The design team shall also provide recommendations for different cabinets or unit types for the secure servers to reduce the cooling loads in the Control Room. Purchase of these items shall be outside of the project contract.