

# Replacement of Existing Cooling Towers



## Project Description

**Project:** Cooling Tower Replacement

**Square Feet:** 1,500 sq. ft.

**Construction Budget:** \$1,100,000

**Delivery Method:**

**Architect:**

**Contractor:** Coutts Heating & Cooling, Inc.

**Project Status:** Closeout Phase

**Start of Construction:**

**Project Completion:**

**Local Hire:** 90%

**Project Goal:** To retrofit the infrastructure of the central plant and improve overall efficiency and performance.

- Replacement of two cooling towers at the central plant at the LADM building.
- Includes replacement of associated pumps, piping, and updates to controls sequence of operations.



## Sustainability Features

1. Filtration system reduces energy losses throughout the heating, cooling and condenser water systems by reducing fouling and friction.
2. New and additional control valves allow the system to operate per the sequence of operations.
3. Variable speed fans and pumps reduce energy usage by only running fast enough to do the needed work.
4. The sequence of operation improved the condenser system operation when the small chiller is operating.
5. The entire project will be commissioned by a third-party agent. The Agent reviewed the entire design process.

