

Hennepin County Medical Center



Rachel Kosse

Environmental Science, Policy and Management, University of Minnesota. Jane Paulson, MnTAP advisor

Company

Hennepin County Medical Center is a healthcare facility located in downtown Minneapolis

Intern Project

The goal of the project is to produce measurable reductions in water use from system distribution, washing and sterilizing processes, facility processed water use, and domestic water use

Incentives to Change

HCMC spent \$457,946 on water and sewer in 2014. A 10% reduction in domestic usage would produce savings for patient care or more reduction initiatives. A 10% reduction would result in 3,223,132 less gallons of water used and sent to the sewer system.



Solutions

Update Domestic Fixtures

This includes transitioning toilets, sinks, and showers to low flow options.

Replace Water Intensive Equipment

This includes washers, sterilizers, dishwashers, and washing machines.

Eliminate Use of Water to Cool Discharge Water

Use of cold water to cool discharge was proven no longer necessary after testing the discharge water temperatures.



Reuse Reject Water

Reverse osmosis systems produce a reject water stream that provides opportunity for reuse of this water.