

# North Memorial Health, Robbinsdale



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## Organization

North Memorial Health is a series of non-profit hospitals, trauma centers, health clinics, and cancer treatment centers providing medical care and services to the Twin Cities and its surrounding suburbs.

## Intern Project

North Memorial's primary focus was increasing the efficiency of its boiler plant and HVAC systems with an overall focus on energy conservation.

## Incentives to Change

As a nonprofit, North Memorial is looking to reduce their energy consumption and production costs to more easily fund the operation, maintenance, and renovation of the hospital as well as improve the patient experience.



## Solutions

### Summer Boiler System

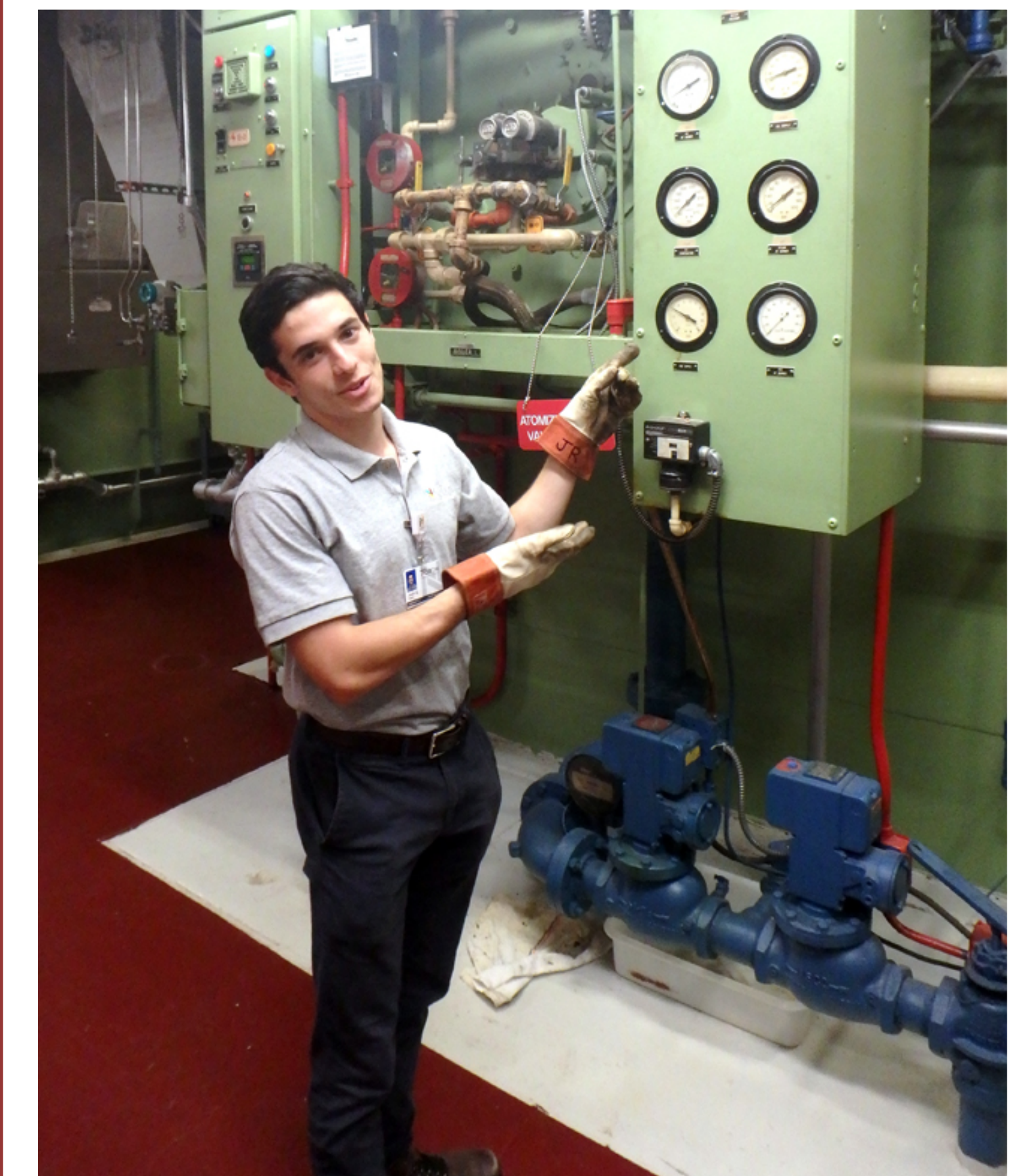
Size and install a boiler system to more efficiently handle the smaller summer steam demand.

### Stack Economizer

Install an economizer in-line of the three boilers to decrease natural gas consumption and emissions. Summer boilers with economizers are favored.

### Occupancy-Based HVAC Controls

By developing an unoccupied room setting similar to a night setting and applying it to regularly unoccupied rooms, potential natural gas savings could be made.



### Removable Insulation Jackets

Use custom jackets to eliminate heat loss without compromising accessibility of non-cylindrical steam equipment.