



# City of Plymouth

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## Organization

The City of Plymouth is the 7<sup>th</sup> largest city in Minnesota with a population of 78,351. It provides water to its residents and businesses from three aquifers and two water treatment plants.

## Intern Project

Perform an audit on the city's water distribution system and make recommendations regarding water management practices. Identify opportunities to reduce water usage in the city's irrigation systems and multifamily buildings.

## Incentives to Change

The city consumes nearly 3 billion gallons of water per year. Average monthly water consumption nearly doubles in the summer months, which puts additional strain on the aquifers.

## Solutions

Implement a policy for regular customer meter testing to improve data validity of future water audits.

Optimize irrigation schedule with soil moisture sensors and/or basic evapotranspiration calculations.

Retrofit fixtures in multifamily buildings to reduce domestic water consumption

