**Internship:** Lead a project focused on water conservation and benchmarking at a local municipality.

**Company:** The City of Plymouth

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on water conservation with The City of Plymouth. The City of Plymouth operates many commercial buildings and provides the city with water as a utility. The intern will work with MnTAP and The City of Plymouth staff to quantify the use of water in all aspects of the city including residential, commercial, and industrial water and focus on ways to reduce system wastes and irrigation overuse.

**JOB DUTIES:**

As part of this project, you will be asked to complete the following tasks:

1. Review residential, commercial, and industrial water use and compile a comprehensive water balance including breakdowns for irrigation, municipal usage, and system losses.
2. Optimize the schedule and administration of the irrigation controllers at city owned buildings and train those who use the systems on best management practices.
3. Perform a fixture audit on city buildings to count the toilets, urinals, sinks, and showers and determine each individual water use based on brand and labels. Research options for fixture upgrades including EPA’s WaterSense.
4. Perform outreach to selected businesses in the City of Plymouth and offer training and technical assistance with respect to irrigation practices.
5. Work with city management including the sustainability commission to determine the feasibility of alternative equipment, methods, or processes.
6. Create a plan for the implementation of approved changes and initiate the implementation of those plans as time permits.
7. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of recommendations.
8. Present findings to the city and at MnTAP-hosted public presentation events.

As an intern, you will work at the city and report back to MnTAP. The position is full time, 40 hours per week, for three months to start after the conclusion of spring semester or quarter. Pay is $14.00/hour, with a lump sum stipend of $1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to $16.00/hour when averaged over the project. Candidates must pass a background check.

**QUALIFICATIONS:**

- Cumulative GPA of at least 3.0
- Good oral & written communication skills
- A technical academic background
- Troubleshooting skills
- Self-motivated
- Excel and other software skills
- Appropriate majors: Engineering, environmental or physical sciences and others as applicable

**TO APPLY:**

Apply online at: [www.mntap.umn.edu/intern/student_apply.htm](http://www.mntap.umn.edu/intern/student_apply.htm)

Remember to submit your application form, cover letter, resume, and unofficial transcript.

Applications can be addressed to:

Nathan Landwehr, Intern Program Administrator
200 Oak Street SE, Suite 350-1
Minneapolis, MN 55455 • landwehr@umn.edu

MnTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY

MnTAP is located at the University of Minnesota School of Public Health, Division of Environmental Health Sciences, and funded in part by a grant from the state of Minnesota.