

Internship: Lead a project focused on water conservation at state facilities.

Host: MN Department of Administration, Office of Enterprise Sustainability – St. Paul, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on energy efficiency and water conservation with the Office of Enterprise Sustainability (OES). The intern will work with MnTAP and OES staff to reduce irrigation water use at state facilities and at a fish hatchery. The intern will quantify these opportunities and develop suggestions to reduce water use as well as outline plans for implementation.

JOB DUTIES:

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

1. Inventory state facilities in B3 Benchmarking database.
2. Connect with facility sustainability coordinators to determine current irrigation water use and irrigation set up at facilities across the state.
3. Identify strategies to reduce irrigation water use for different facilities (i.e. irrigation schedule optimization, control systems, soil moisture sensors, and native plantings).
4. Explore water reduction strategies for a cold temperature fish hatchery.
5. Estimate water reduction potential from implementation of provided recommendations, then prioritize suggested changes using simple payback methods for financial justification.
6. As appropriate, support implementation of approved process changes or outline plans for future implementation.
7. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
8. Present findings to the company and at MnTAP-hosted public presentation events.

As an intern, you will work at the company 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 \$19/hour, with a lump sum stipend of \$1,500 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$22.00/hour when averaged over the project. Candidates must pass a background check. This position is primarily remote with an in-person day once per month in St. Paul, MN and with 2-4 site visits during the summer.

QUALIFICATIONS:

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

TO APPLY:

Apply online at:

www.mntap.umn.edu/interns/student/apply/

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

Applications can be addressed to:

Matt Domski, Intern Program Manager

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MNTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY

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