

Internship: Lead a project focused on water conservation, energy efficiency, and waste reduction.

Company: Living Green Farms, Faribault, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on wastewater loading reduction and energy efficiency with Living Green Farms. The intern will work with MnTAP and Living Green Farms staff on water conservation, energy efficiency, and waste reduction. The student will map the facility's use of water, lighting energy, and food waste. The intern will then quantify these opportunities and develop suggestions to reduce waste, conserve energy and save water as well as outline plans for implementation.

JOB DUTIES:

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

1. Map the use of water in the facility.
2. Investigate water softening and RO setpoints to search for water conservation opportunities.
3. Complete a lighting audit and investigate LED lighting opportunities that will not disrupt plant growth cycles.
4. Complete a compressed air leak audit and calculate an optimal compressed air pressure setpoint to save energy.
5. Identify sources of harvest or chop-line product loss and explore solutions to improve yield.
6. Estimate waste, energy and water reduction potential from implementation of provided recommendations, then prioritize suggested changes using simple payback methods for financial justification.
7. As appropriate, initiate implementation of approved process changes or develop plans for future implementation.
8. Summarize findings in a detailed report, including recommended procedures and vendor proposals along with an economic analysis and justification of changes.
9. 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 \$15/hour, with a lump sum stipend of \$1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$17.00/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

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