

Strengthening Minnesota businesses by maximizing efficiency and lowering costs through energy, water and waste reduction

Internship: Lead a project focused on refrigeration system best practices and recommendations for small grocery stores in Minnesota.

Company: Minnesota Grocers Association, Saint Paul, MN

The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on best practices for managing refrigeration systems at small to medium-sized grocery and convenience stores throughout the state of Minnesota. The intern will work with MnTAP, the Minnesota Grocers Association (MGA), grocery store staff, and other partners to assess current systems and make recommendations for energy and refrigerant leakage reductions. The intern will quantify these opportunities and develop suggestions to increase efficiency, as well as monitor implementation and results.

JOB DUTIES:

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

1. Conduct outreach to share refrigeration best practices and, with assistance from the MGA, identify suitable grocery stores who are interested in participating, with special focus on businesses in areas of environmental justice concern.
2. Develop a process to assess opportunities for energy and refrigerant leakage reductions at small grocery stores, utilizing the Best Practices for Commercial Refrigeration Systems guide and MnTAP leak testing equipment.
3. Conduct assessments at 12-20 small to medium grocery and/or convenience stores, tag any leaks identified, and provide a report detailing areas of opportunity.
4. As time allows, follow up with participating grocery stores to document any implemented changes and monitor results.
5. Gather data on rates and frequency of refrigeration leaks to determine an estimate of expected refrigerant loss over time. Use MnTAP equipment to conduct leak studies as appropriate.
6. Summarize findings in a detailed report, including recommended procedures and economic analysis of changes.
7. Present findings to the company and at MnTAP-hosted public presentation events.

As an intern, you will work at the MGA 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 \$16/hour, with a lump sum stipend of \$1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to \$18.00/hour when averaged over the project. Candidates must pass a background check. Independent overnight car travel around the state of Minnesota may be required.

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