The Minnesota Technical Assistance Program (MnTAP) is seeking a junior or senior college student to lead a project focused on optimization of energy and water used during the processing of meat from animals. The project will evaluate the refrigeration system and other process energy uses, as well as water and chemicals used for multiple cleaning and sanitation operations. This will involve working with contactors performing operations and maintenance to understand their constraints and responsibilities as proposals for change are developed and evaluated. Lorentz Meats is a small, contract processor of primarily organic, grass fed, or other specialty cattle, and bison.

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

1. Quantify the costs of significant energy and water consuming operations and determine the typical efficiency of the refrigeration system.
2. Review and understand cleaning operations, refrigeration system, and other large sources of energy consumption.
3. Identify and evaluate potential improvements to these operations and where possible, demonstrate the feasibility of change.
4. Develop a cost-benefit analysis and justifications for the most promising changes identified, and make formal proposals for implementation to management and contractors as appropriate.
5. Organize and manage project tasks, activities, and project documentation effectively.
6. Communicate with MnTAP advisor and on-site supervisor to discuss project issues and solutions.
7. Work with Lorentz staff and contractors to implement identified solutions or document and prepare for implementation as appropriate.
8. Summarize findings in a detailed report.
9. Present project findings to Lorentz staff and at a MnTAP hosted public presentation event.

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 $13/hour, with a lump sum stipend of $1,000 upon completion of the project deliverables: a final report and presentations. Cumulatively, this equates to $15.00/hour when averaged over the project. Candidates must have a valid driver license and pass a drug test.

**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:
Linda Maleitzke, Intern Coordinator
200 Oak Street SE, Suite 350-1
Minneapolis, MN 55455 • lmaleitz@umn.edu

MnTAP IS THE HIRING BODY: DO NOT CONTACT THE COMPANY.