



# Minnesota Technical Assistance Program 2018 Intern Symposium

August 16, 2018 - McNamara Alumni Center, University of Minnesota

Time	Johnson Great Room	Heritage Gallery
1:00	<b>Welcome:</b> Laura Babcock, MnTAP Director	
1:15	<b>Keynote Speaker:</b> Jill Eide, CEM (Past Intern) Key Account Executive, Great River Energy	
1:30 Session 1 and Panel Discussions	<p><b>Aveda, Corp.</b>, Blaine <b>Meghan Pieper</b>, Bioproducts &amp; Biosystems Engineering, U of Minnesota - researched ways to optimize water usage.</p> <p><b>Kapstone Container Corp.</b>, Fridley <b>Ngan Tran</b>, Chemical Engineering, U of Minnesota- researched ways to reduce water, energy and waste.</p> <p><b>North Memorial Heath Hospital</b>, Metro Area <b>Christopher Leppla</b>, Mechanical Engineering, U of Alabama- researched ways to reduce waste water generated in the healthcare system.</p> <p><b>Minnesota Correctional Facilities</b>, Lino Lakes <b>Maggie Kristian</b>, Environmental Science &amp; Applied Economics, U of Minnesota- created a process and educational materials to start a recycling program</p>	<p><b>Lamb Weston / RDO Frozen</b>, Park Rapids <b>Micah Calderon</b>, Mechanical Engineering, ND State University - focused on optimizing water usage during production.</p> <p><b>SensoryEffects by Balchem</b> Sleepy Eye <b>Wesley Graham</b>, Mechanical Engineering, Iowa State University - investigated ways to reduce heat and energy, and conserve water in the production process.</p> <p><b>Carley Foundry</b>, Blaine <b>Aaron Carlson</b>, Environmental Engineering, and Chemistry, U of Minnesota - focused on finding energy efficiencies.</p> <p><b>Center for Energy &amp; Environment</b>, Metro Area <b>Nicholas Michalik</b>, Chemical Engineering, U of Minnesota - researched ways to optimize energy and waste savings at four small industrial facilities.</p>
2:30 Poster Session	Refreshments and networking with interns.	
3:00 Session 2 and Panel Discussions	<p><b>Thomson Reuters</b>, Eagan <b>Andrew Mahoney</b>, Mechanical Engineering, ND State University - investigated ways to reduce water use in both production processes and domestic use.</p> <p><b>Car Wash Systems</b>, Washington County <b>Kyra Newburg</b>, Bioproducts and Biosystems Engineering, U of Minnesota - worked with several facilities to find best practices to conserve water.</p> <p><b>City of Woodbury</b>, Washington County <b>Lindsay Brown</b>, Biology and Environmental Science, Iowa State University - research water savings through installation of irrigation in single-family homes.</p> <p><b>Science Museum of MN</b>, St. Paul <b>Danielle Ufheil</b>, Biosystems Engineering, Iowa State University - fully map the usage of water in the institute and recommend savings.</p>	<p><b>Phillips Distillery</b>, Princeton <b>Eleanor Green</b>, Chemical Engineering and Chemistry, U of Minnesota - researched solutions for reducing and reusing wastewater streams.</p> <p><b>Phillips Small Businesses</b>, Minneapolis <b>Emily Worman</b>, Environmental Geography, U of Minnesota - worked with several facilities to find less hazardous cleaning products.</p> <p><b>AWT Labels &amp; Packaging</b>, Minneapolis <b>Joshua Kirk</b>, Environmental Engineering, U of Minnesota - researched ways to reduce waste and energy usage.</p>
4:00 Poster Session	Refreshments and networking with interns.	<p>This year, we invite you to submit questions for the interns before and during the panel discussion, please use the following instructions:</p> <p>In the <b>Johnson Great Room</b>, submit questions at: PollEv.com/mntapjohnson205 or text MNTAPJOHNSON205 to 37607</p> <p>In <b>Heritage Hall</b>, submit questions at: PollEv.com/mntaph105 or text MNTAPH105 to 37607</p>



# 2018 Interns



Front, L-R: Emily Worman, Maggie Kristian, Danielle Ufheil, Meghan Pieper, Lindsay Brown, Eleanor Green, Ngan Tran  
Back: Christopher Leppla, Joshua Kirk, Micah Calderon, Andrew Mahoney, Wesley Graham, Aaron Carlson, Nicholas Michalik

## Thank You!

MnTAP would like to thank the companies that participated in the 2018 intern program. Without their support and the dedication of their employees, the students would not be nearly as successful.

- Aveda, inc.
- Advanced Web Technologies, Labels and Packaging
- Carley Foundry
- Center for Energy & Environment
- City of Woodbury
- KapStone Container Corp.
- Minnesota Correctional Facilities
- Lamb Weston RDO Frozen
- North Memorial
- Phillips Distillery
- Phillips Small Businesses
- Science Museum of MN
- SensoryEffects by Balchem
- Thomson Reuters

Additionally, we would like to thank the following for their contributions to the program:

- Minnesota Pollution Control Agency
- Metropolitan Council Environmental Services (MCES)
- Anoka County
- CenterPoint Energy
- Center for Energy & Environment
- Minnesota Energy Resources
- U.S. Environmental Protection Agency
- Washington County
- Xcel Energy
- Franklin Energy

Each of these agencies, organizations, or utilities either partially or fully-funded at least one intern project for 2018. This support helps MnTAP increase the number of intern positions available each year and fund our continuing water conservation and energy efficiency work.

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## 2019 Intern Program

Now's the time to starting talking with us about developing a project and applying for a Summer 2019 intern. Applications are due on January 30, 2019.

For more information about the intern program or how to participate, please contact Nathan Landwehr, MnTAP intern administrator, at 612-624-4697 or [landwehr@umn.edu](mailto:landwehr@umn.edu).