

Minnesota Technical Assistance Program

2017 Intern Symposium

August 22, 2017 • Ski-U-Mah Room, Johnson Great Room, Minnesota Room
McNamara Alumni Center, University of Minnesota



Time	Ski-U-Mah Room	Johnson Great Room	Minnesota Room
12:45		Registration	
1:00		Welcome: Laura Babcock, MnTAP Director	
1:20		Keynote Speaker: John Finnegan, Professor and Dean, School of Public Health, U of MN	
1:45	City of New Prague Wastewater Treatment Facility , New Prague Emily Wen, Chemical Engineering, Washington University, St. Louis - researched ways to optimize wastewater treatment processes.	CertainTeed Roofing , Shakopee Alex Witte, Mechanical Engineering, U of MN Duluth - focused on increasing production, reduce water use and optimizing evaporative cooling process in shingle manufacturing.	Kerry Ingredients & Flavours , Rochester Denzel Bibbs, Mechanical Engineering, U of Wisconsin-Madison - researched ways to improve energy and chemical use efficiency.
2:05	Plastech , Rush City Emily Daniel, Aerospace Engineering and Mechanics, U of MN - researched ways to reduce waste and energy use in plastic injection molding operation.	Bailey Nurseries , Cottage Grove Christine Pelto, Geological Engineering, U of Wisconsin-Madison - identified ways to conserve water through out plant growing production process.	Seneca Foods , Rochester Daniel Chang, Chemical Engineering, U of MN - focused on finding ways to reduce product loss and improve water and chemical use efficiency.
2:25	Phillips Distilling , Minneapolis Nathaniel Scherer, Chemical Engineering, U of MN Duluth - focused on finding ways and processes to conserve energy and water in a distillery.	Aqseptence Group Inc. , New Brighton Ryan Pauly, Chemical Engineering, U of MN - investigated ways to reduce water use in sheet metal fabrication processes.	Minneapolis Water Treatment & Distribution Services , Minneapolis Gina Sternberg, Chemical Engineering, U of MN, Duluth - optimized the chemical treatment process, reducing chemical use and improving water quality.
3:45		Poster Session Refreshments and networking with interns	
3:45	Advanced Extrusion , Rogers Tiger Rost, Aerospace Engineering, U of M - researched ways to reduce energy and waste in plastic extrusion operations.	Electric Machinery , Minneapolis Brady Halvorson, Environmental Engineering, U of MN - worked to find Water reduction at a large motor manufacturer.	P2 as a Catalyst for Community Partnership Christine Anderson, Pollution Prevention Coordinator, EPA Region 5
4:05	SkyWater Technology Foundry , Bloomington Brandon Noel, Electrical Engineering, U of MN - researched how to optimize energy efficiency of air handling systems in semiconductor manufacturing.	DiaSorin , Stillwater Yohanes Agustinus, Chemical Engineering, U of MN - focused on ways to optimize water use in medical diagnostic devices manufacturing.	Smith Foundry , Minneapolis Al Muntasar Al Busaidy, Mechanical Engineering, U of MN - worked to improve air quality through process optimization.
4:25	Center for Energy & the Environment , Twin Cities Leah Kunkel, Mechanical Engineering, St. Louis University - worked with several small industrial facilities to increase energy efficiency.	Fulton Brewery , Minneapolis Karl Wuolo-Journey, Chemical Engineering, U of MN - researched ways to reduce waste and wastewater at a craft brewery.	Phillips Small Businesses , Minneapolis Madeline Norgaard, Science, Technology, & Environmental Policy, U of MN - worked with small businesses to improve air quality by using products and processes that eliminate hazardous air pollutants and VOCs.
4:45	Wrap-up: Paul Pagel, MnTAP Senior Engineer	Wrap-up: Laura Babcock, MnTAP Director	Wrap-up: Nathan Landwehr, Waste Reduction Specialist and Intern Program Administrator



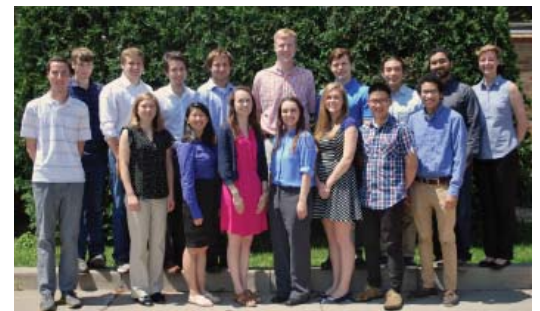
Thank You!

MnTAP would like to thank the companies that participated in the 2017 intern program. Without their support and the dedication of their employees, the students would not be nearly as successful.

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

- Minnesota Pollution Control Agency
- Metropolitan Council Environmental Services (MCES)
- Minnesota Department of Commerce
- Southern Minnesota Municipal Power Agency
- U.S. Environmental Protection Agency
- Connexus Energy
- Washington County
- East Central Energy
- Xcel Energy
- Franklin Energy
- Minnesota Energy Resources

Each of these agencies, organizations, or utilities either partially or fully-funded at least one intern project for 2017. This support helps MnTAP increase the number of intern positions available each year and fund our continuing water conservation and energy efficiency work.



2018 Intern Program

Now's the time to starting talking with us about developing a project and applying for a Summer 2018 intern. Applications are due on January 15, 2018.

For more information about the intern program or how to participate, please contact Nathan Landwehr, MnTAP intern coordinator, at 612-624-4697 or landwehr@umn.edu.