

**Mn
TAP**

SOLUTIONS



2018 MnTAP Intern Program

2018 Intern-Proposed Solutions

Recommendation	Reduction	Cost Savings	Equivalents (annual)
Waster Conservation	58,00,000 gallons	\$347,000	Water for 1,760 Minneapolis residents
Waste	606,000 lbs	\$153,000	Weight of almost 6 Metro Transit light rail cars
Chemicals	150,000 lbs	\$118,000	Approximately 300 55 gallon drums
Electricity	5,970,000 kWh	\$421,000	Electricity for over 600 Minnesota homes
Gas	337,000 therms	\$128,000	CO2 emissions from 400 passenger vehicles
Production Impacts	---	\$330,000	---
Total Potential Cost Savings	---	\$1,497,000	---

Table of Contents

Focus	Organization	Intern	MnTAP Advisor	
Water, Energy, Chemicals	Aveda Corporation.....	Meghan Pieper	Karl DeWahl, Sr. Engineer	6
Water, Chemicals, Lean	Advanced Web Technologies	Joshua Kirk	Michelle Gage, Engineer	8
Energy	Carley Foundry	Aaron Carlson	Jon Vanyo, Engineer	10
Energy	Center for Energy & Environment .	Nicholas Michalik	Jon Vanyo, Engineer	12
Water	City of Woodbury	Lindsay Brown	Nathan Landwehr, Waste Reduction Specialist	14
Water	KapStone Container Corp.....	Ngan Tran	Karl DeWahl, Sr. Engineer	16
Water, Energy, Chemicals	Lamb Weston / RDO Frozen	Micah Calderon	Paul Pagel, Sr. Engineer	18
Waste	Minnesota Correctional Facilities .	Maggie Kristian	Nathan Landwehr, Waste Reduction Specialist	20
Water, Energy	North Memorial Heath Hospital ..	Christopher Leppla ..	Jane Paulson, Sr. Engineer	22
Water	Phillips Distilling	Eleanor Green	Michelle Gage, Engineer	24
Chemicals	Phillips Neighborhood Businesses .	Emily Worman.....	Jane Paulson, Sr. Engineer	26
Water	Science Museum of MN	Danielle Ufheil	Matt Domski, Waste Reduction Specialist ..	28
Water, Energy, Chemicals	SensoryEffects by Balchem	Wesley Graham	Matt Domski, Waste Reduction Specialist ..	30
Energy, Waste	Thomson Reuters	Andrew Mahoney	Paul Pagel, Sr. Engineer	32
Water	Washington Cty Car Washes	Kyra Newburg	Matt Domski, Waste Reduction Specialist ...	33

