2018 MnTAP Intern Program
## 2018 Intern-Proposed Solutions

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

#### Focus

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

- **Water, Chemicals, Lean**
  - Aveda Corporation: Meghan Pieper, Karl DeWahl, Sr. Engineer

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#### Focus Key

- **Chemicals**
- **Electricity/ Natural Gas**
- **Lean**
- **Water**
- **Waste**