The tugboat, towboat and barge industry not only provides the most efficient method for transporting large amounts of a broad range of commodities, but is also safer, more fuel efficient and has a lower environmental footprint.¹

**Comparing Transportation Modes**

The U.S. tugboat, towboat and barge industry is more efficient, cleaner, and safer for the public than other modes of cargo transport.

**Cleaner for the Environment**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Emissions (g CO₂ per ton-mile)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inland Towing</td>
<td>15.6</td>
</tr>
<tr>
<td>Freight Railroads</td>
<td>21.2</td>
</tr>
<tr>
<td>Freight Trucks</td>
<td>154.1</td>
</tr>
</tbody>
</table>

**Safer for the Public**

The tugboat, towboat and barge industry poses the lowest risk to the safety of the public compared to other forms of cargo transport.

**Average Annual Injuries to the Public**
- Freight Truck: 104,286
- Freight Railroad: 7,962
- Waterborne Freight: 16

**Average Annual Fatalities to the Public**
- Freight Truck: 4,452
- Freight Railroad: 807
- Waterborne Freight: 6

¹ All Figures adapted from Texas Transportation Institute, “A Modal Comparison of Domestic Freight Transportation Effects of the General Public: 2001-2014,” January 2017, as reflected in the PricewaterhouseCoopers industry study.