Oil Movement in Washington State

Dale Jensen
Program Manager, Spills Program
Spills Program Overview

- 1 of 10 programs in the department
- We work to:
  
  Protect Washington’s environment, public health and economy through a comprehensive spill prevention, preparedness, and response program

- Prevention is our best defense.
- Be prepared.
- Respond in a rapid, aggressive well-coordinated manner
Total Oil Movement in Washington

OIL MOVED BY YEAR AND MODE

<table>
<thead>
<tr>
<th>Year</th>
<th>Vessel</th>
<th>Rail</th>
<th>Pipeline</th>
<th>TOTALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>325,000,000</td>
<td>0</td>
<td>139,467,621</td>
<td>464,467,621</td>
</tr>
<tr>
<td>2007</td>
<td>322,472,266</td>
<td>0</td>
<td>145,995,543</td>
<td>467,567,809</td>
</tr>
<tr>
<td>2008</td>
<td>321,168,962</td>
<td>0</td>
<td>155,993,923</td>
<td>477,162,885</td>
</tr>
<tr>
<td>2009</td>
<td>319,199,535</td>
<td>0</td>
<td>146,175,318</td>
<td>465,374,853</td>
</tr>
<tr>
<td>2010</td>
<td>251,355,661</td>
<td>0</td>
<td>152,220,247</td>
<td>403,584,908</td>
</tr>
<tr>
<td>2011</td>
<td>273,552,948</td>
<td>0</td>
<td>157,229,247</td>
<td>430,782,195</td>
</tr>
<tr>
<td>2012</td>
<td>270,475,785</td>
<td>0</td>
<td>157,300,000</td>
<td>439,899,041</td>
</tr>
<tr>
<td>2013</td>
<td>278,976,061</td>
<td>0</td>
<td>158,073,606</td>
<td>453,521,292</td>
</tr>
<tr>
<td>2014</td>
<td>250,384,055</td>
<td>0</td>
<td>161,258,218</td>
<td>444,454,041</td>
</tr>
<tr>
<td>2015</td>
<td>230,760,217</td>
<td>0</td>
<td>177,267,149</td>
<td>458,157,824</td>
</tr>
<tr>
<td>2016</td>
<td>256,831,708</td>
<td>0</td>
<td>186,236,900</td>
<td>493,068,608</td>
</tr>
</tbody>
</table>

1 barrel = 42 gallons
Crude Oil Movement by Mode

October 1, 2016 - June 30, 2017*

Vessel (Inbound), 45%

Pipeline, 30%

Rail, 25%

*Pipeline percentage estimated, based on 7/1/16 – 12/31/16 data
2015 Oil Transportation Safety Act

- Railroad Geographic Response Plan (GRP) Review
- Advance notice of crude oil transfer
- Vessel Traffic Safety and Risk Assessments
  - Columbia River
  - Puget Sound
- Equipment cache grants
- Railroad contingency plans
Partnerships are critical to our success.

- Individual relationships
- Northwest Area Committee
- Pacific States/B.C. Oil Spill Task Force
- Transboundary work with Canada