**Possible implementation of alternative fuels at the Joliet Intermodal Facility**

**Means**

**Engines:**
- Cummins Westport ISL G (8.9 L, 315–320 hp, 860–1,000 lb-ft torque, US EPA & CARB 2010)
- Cummins Westport ISL G Biomethane

**Location:**

<table>
<thead>
<tr>
<th>Site</th>
<th>Overall Traffic (trucks/day)</th>
<th>Traffic to Station (4% of overall)</th>
<th>Parking Area (ft²)</th>
<th>Area Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>On Site</td>
<td>7.7 (456)</td>
<td>2 pt.</td>
<td>5.9 (505)</td>
<td></td>
</tr>
<tr>
<td>53%</td>
<td>(2590)</td>
<td>2 pt.</td>
<td>5.9 (505)</td>
<td></td>
</tr>
<tr>
<td>50%</td>
<td>(2590)</td>
<td>2 pt.</td>
<td>5.9 (505)</td>
<td></td>
</tr>
<tr>
<td>4%</td>
<td>(2590)</td>
<td>2 pt.</td>
<td>5.9 (505)</td>
<td></td>
</tr>
</tbody>
</table>

**Analysis**

**Result**

**Gas-City Alternative Multi-Fuel Station:**

**Gas-City Floor Plan:**

**Conclusions:**

- It is theoretically possible to implement an alternative multi-fuel station in the Joliet area to accommodate increasing traffic flow to intermodal facility.
- More analysis should be conducted to determine feasibility of such station.