WTW Analysis of Hydrogen Fuel Cell Trucks with the GREET® Model

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ENVIRONMENTAL IMPACTS: GHG EMISSIONS* - DRAYAGE TRUCKS

WTW GHG Emissions (g/ton-mi)

<table>
<thead>
<tr>
<th>Fuel Source</th>
<th>Emissions (g/ton-mi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Diesel (ICEV)</td>
<td>100</td>
</tr>
<tr>
<td>H2 via NG SMR (FCEV)</td>
<td>50</td>
</tr>
<tr>
<td>H2 via solar-electrolysis (FCEV)</td>
<td>20</td>
</tr>
</tbody>
</table>

Acronyms:
- WTW: Well-to-Wheels
- GHG: Greenhouse Gas
- WTP: Well-to-Pump
- PTW: Pump-to-Wheels
- ICEV: Internal Combustion Engine Vehicle
- H2: Hydrogen
- NG: Natural Gas
- SMR: Steam Methane Reforming
- FCEV: Fuel Cell Electric Vehicle

ENVIRONMENTAL IMPACTS: NOx EMISSIONS*
-DRAYAGE TRUCKS

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WTW: Well-to-Wheels
NOx: Nitrogen Oxides
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PTW: Pump-to-Wheels
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FCEV: Fuel Cell Electric Vehicle

ENVIRONMENTAL IMPACTS: GHG EMISSIONS* -CLASS 8B COMBINATION LONG-HAUL TRUCKS

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Argonne’s LCA efforts have been supported by DOE’s FCTO

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