**340-253-8040**

**Table 4 — Oregon Carbon Intensity Lookup Table for Diesel and Diesel Substitutes**

| Oregon Department of Environmental Quality  Table 4 – 340-253-8040  **Oregon Carbon Intensity Lookup Table for Diesel and Diesel Substitutes** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Fuel** | **Pathway Identifier** | **Pathway Description** | **Carbon Intensity Values (gCO2e/MJ)** | | |
| **Direct Lifecycle Emissions** | **Land Use or Other Indirect Effect** | **Total Emissions** |
| Diesel | ORULSD001 | Clear diesel, based on a weighted average of diesel fuel supplied to Oregon | 101.65 | - | 101.65 |
| ORULSD002 | Blended diesel (B5) - 95% clear diesel & 5% soybean biodiesel | 99.64 | - | 99.64 |
| Biodiesel | BIODOR001 | Conversion of Midwest soybeans to biodiesel | 29.15 | 29.10 | 58.25 |
| BIODOR002 | Conversion of Used Cooking Oil to biodiesel where "cooking" is required; NW UCO; Oregon production | 18.12 | - | 18.12 |
| BIODOR003 | Conversion of tallow to biodiesel; MW tallow; MW production | 37.93 | - | 37.93 |
| BIODOR004 | Conversion of canola oil to biodiesel | 43.34 | 14.50 | 57.84 |
| BIODOR005 | Conversion of corn oil to biodiesel | 36.89 | - | 36.89 |
| Renewable Diesel | RNWDOR001 | Conversion of soybeans to renewable diesel | 23.15 | 29.10 | 52.25 |
| RNWDOR002 | Conversion of Used Cooking Oil to renewable diesel | 19.25 | - | 19.25 |
| RNWDOR003 | Conversion of tallow to renewable diesel | 29.96 | - | 29.96 |
| RNWDOR004 | Conversion of canola oil to renewable diesel | 35.48 | 14.50 | 49.98 |
| RNWDOR005 | Conversion of corn oil to renewable diesel | 33.64 | - | 33.64 |
| Compressed Natural Gas | ORCNG001 | North American NG delivered via pipeline; compressed in OR | 79.93 | - | 79.93 |
| ORCNG002 | Landfill gas (biomethane) cleaned up to pipeline quality NG; compressed in OR | 50.26 | - | 50.26 |
| Liquefied Natural Gas | ORLNG001 | North American NG delivered via pipeline; liquefied in OR using liquefaction with 80% efficiency | 94.46 | - | 94.46 |
| ORLNG002 | Landfill Gas (bio-methane) to LNG liquefied in OR using liquefaction with 80% efficiency | 65.81 | - | 65.81 |
| Liquefied Petroleum Gas | ORLPG001 | Liquefied petroleum gas, crude and natural gas mix | 83.05 | - | 83.05 |