

340-253-8040

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

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Fuel	Pathway Identifier	Pathway Description	Carbon Intensity Values (gCO ₂ e/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

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	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

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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