340-253-8030

Table 3 — Oregon Carbon Intensity Lookup Table for Gasoline and Gasoline Substitutes

Oregon Department of Environmental Quality Table 3 – 340-253-8030 **Oregon Carbon Intensity Lookup Table for Gasoline and Gasoline Substitutes**					
Fuel	**Pathway Identifier**	**Pathway Description**	**Carbon Intensity Values (gCO2e/MJ)**		
			Direct Lifecycle Emissions	**Land Use or Other Indirect Effect**	**Total Emissions**
Gasoline	ORGAS001	Clear gasoline - based on a weighted average of gasoline supplied to Oregon	100.77	-	100.77
	ORGAS002	Blended gasoline (E10) - 90% clear gasoline & 10% corn ethanol based on Midwest average	98.54	-	98.54
Ethanol from Corn	ETHCOR001	Midwest average - MW corn; Dry Mill; NG; MW production	62.29	7.60	69.89
	ETHCOR002	Oregon average - MW corn; Dry Mill; NG; Oregon production	57.08	7.60	64.68

Oregon Department of Environmental Quality Table 3 – 340-253-8030 **Oregon Carbon Intensity Lookup Table for Gasoline and Gasoline Substitutes**					
Ethanol from Sugarcane	ETHSOR001	Brazilian sugarcane base case	39.24	11.80	51.04
Ethanol from Sorghum	ETHGOR001	Sorghum; average	66.96	19.40	86.36
Ethanol from Molasses	ETHMOR001	Molasses; average	41.03	11.80	52.83
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 (biomethane) to LNG liquefied in OR using liquefaction with 80% efficiency	65.81	-	65.81
Liquefied Petroleum Gas	ORLPG001	Liquefied petroleum gas	83.05	-	83.05
Electricity	ORELC001	Oregon average electricity mix	31.85	-	31.85

NOTE: DEQ recognizes that indirect effects, including indirect land use change, are real. However the methodologies to quantify these effects are still in development. DEQ intends to monitor the science of indirect effect and will adjust carbon intensity values through future rulemaking as methodologies improve.