

**Table 8. Temporary Pathways for Fuels with Indeterminate CIs**

<u>Fuel</u>	<u>Feedstock</u>	<u>Process Energy</u>	<u>CI (gCO<sub>2</sub>e/MJ)</u>
<u>Ethanol</u>	<u>Corn</u>	<u>Grid electricity, natural gas, and/or renewables</u>	<u>90</u>
	<u>Grain Sorghum</u>	<u>Grid electricity, natural gas, and/or renewables</u>	<u>95</u>
	<u>Any Sugar Feedstock</u>	<u>Bagasse and straw only; no grid electricity</u>	<u>55</u>
	<u>Any Cellulosic Biomass</u>	<u>Grid electricity, natural gas, and/or renewables</u>	<u>50</u>
<u>Biomass-based Diesel</u>	<u>Fats/Oils/Grease Residues</u>	<u>Grid electricity, natural gas, and/or renewables</u>	<u>45</u>
	<u>Any feedstock derived from plant oils, excluding palm oil</u>	<u>Grid electricity, natural gas, and/or renewables</u>	<u>65</u>
	<u>Any other feedstock</u>	<u>Grid electricity, natural gas, and/or renewables</u>	<u>Baseline (2010) CI value for ULSD</u>
<u>Fossil LNG</u>	<u>Petroleum Natural Gas</u>	<u>N/A</u>	<u>95</u>
<u>Fossil L-CNG</u>	<u>Petroleum Natural Gas</u>	<u>N/A</u>	<u>100</u>
<u>Biomethane CNG</u>	<u>Landfill gas</u>	<u>Grid electricity, natural gas, and/or parasitic load</u>	<u>70</u>
<u>Biomethane LNG</u>	<u>Landfill gas</u>	<u>Grid electricity, natural gas, and/or parasitic load</u>	<u>85</u>
<u>Biomethane L-CNG</u>	<u>Landfill gas</u>	<u>Grid electricity, natural gas, and/or parasitic load</u>	<u>90</u>
<u>Biomethane CNG</u>	<u>Municipal Wastewater sludge, Food Scraps, Urban Landscaping Waste, or Other Organic Waste</u>	<u>Grid electricity, natural gas, and/or parasitic load</u>	<u>45</u>
<u>Biomethane LNG</u>	<u>Municipal Wastewater sludge, Food Scraps, Urban Landscaping Waste, or Other Organic Waste</u>	<u>Grid electricity, natural gas, and/or parasitic load</u>	<u>60</u>
<u>Biomethane L-CNG</u>	<u>Municipal Wastewater sludge, Food Scraps, Urban Landscaping Waste, or Other Organic Waste</u>	<u>Grid electricity, natural gas, and/or parasitic load</u>	<u>65</u>
<u>Biomethane CNG, LNG or L-CNG</u>	<u>Dairy Manure</u>	<u>Grid electricity, natural gas, and/or parasitic load</u>	<u>- 150</u>
<u>Hydrogen</u>	<u>Centralized SMR of fossil LNG</u>	<u>Grid electricity, natural gas and/or renewables</u>	<u>185</u>
<u>Any gasoline substitute feedstock-fuel combination not identified above</u>	<u>Any</u>	<u>Any</u>	<u>Baseline (2010) CI value for CaRFG</u>

<u>Fuel</u>	<u>Feedstock</u>	<u>Process Energy</u>	<u>CI</u> <u>(gCO<sub>2</sub>e/MJ)</u>
<u>Any diesel substitute feedstock-fuel combination not identified above</u>	<u>Any</u>	<u>Any</u>	<u>Baseline (2010) CI value for ULSD</u>