



# UPDATED CARBON INTENSITY TABLES

## FOR THE

# NEW MEXICO CLEAN TRANSPORTATION FUEL PROGRAM

**March 19, 2025**

The New Mexico Environment Department (NMED) is actively engaged in the development of the Clean Transportation Fuel Program (CTFP). The information presented here shows updated carbon intensity tables for the draft discussion rules posted publicly on December 20, 2024. The information is preliminary and may be modified as research, modelling, public engagement, and input from Tribes, Pueblos, and Nations and interested parties progresses. This material is intended for descriptive and educational purposes and is not intended to convey final information, language, or findings that NMED will submit in the rulemaking process. NMED retains the right to adjust and update this content in future versions.

For additional information, please visit the NMED Climate Change Bureau's (CCB's) CTFP webpage at <https://www.env.nm.gov/climate-change-bureau/clean-fuel-standard/>.

- 20.2.92.701 TABLES:**  
 A. Table 1 – New Mexico Clean Transportation Fuel Standard for Gasoline and Gasoline Substitutes

Compliance Period	CTFS (gCO <sub>2</sub> e/MJ)	Percent Reduction
Baseline (2018)	95.01	0.0%
Initial	93.30	1.8%
2027	91.87	3.3%
2028	89.31	6.0%
2029	84.56	11.0%
2030	76.01	20.0%
2031	75.06	21.0%
2032	74.11	22.0%
2033	73.16	23.0%
2034	72.21	24.0%
2035	71.26	25.0%
2036	70.31	26.0%
2037	69.36	27.0%
2038	68.41	28.0%
2039	67.46	29.0%
2040 and beyond	66.51	30.0%

B. Table 2 – New Mexico Clean Fuel Standard for Diesel and Diesel Substitutes

<b>Compliance Period</b>	<b>CTFS (gCO<sub>2</sub>e/MJ)</b>	<b>Percent Reduction</b>
Baseline (2018)	94.42	0.0%
Initial	92.72	1.8%
2027	91.30	3.3%
2028	88.75	6.0%
2029	84.03	11.0%
2030	75.54	20.0%
2031	74.59	21.0%
2032	73.65	22.0%
2033	72.70	23.0%
2034	71.76	24.0%
2035	70.82	25.0%
2036	69.87	26.0%
2037	68.93	27.0%
2038	67.98	28.0%
2039	67.04	29.0%
2040	66.09	30.0%

C. Table 3 – New Mexico Clean Fuel Standard for Alternative Jet Fuel Based on the Carbon Intensity of Conventional Jet Fuel

<b>Compliance Period</b>	<b>CTFS (gCO<sub>2</sub>e/MJ)</b>	<b>Percent Reduction</b>
Baseline (2018)	81.25	0.0%
Initial	79.79	1.8%
2027	78.57	3.3%
2028	76.38	6.0%
2029	72.31	11.0%
2030	65.00	20.0%
2031	64.19	21.0%
2032	63.38	22.0%
2033	62.56	23.0%
2034	61.75	24.0%
2035	60.94	25.0%
2036	60.13	26.0%
2037	59.31	27.0%
2038	58.50	28.0%
2039	57.69	29.0%
2040 and beyond	56.88	30.0%

D. Table 4 – New Mexico Statewide Carbon Intensity Lookup Table

Fuel	Pathway ID Code	Fuel Pathway Description	Carbon Intensity (gCO <sub>2e</sub> / MJ) Total Lifecycle Emissions
Gasoline	NMGAS001	Clear gasoline – based on a weighted average of gasoline supplied to New Mexico	96.9
Diesel	NMULSD001	Clear diesel, based on a weighted average of diesel supplied to New Mexico	95.3
Fossil Compressed Natural Gas	NMCNG001	North American fossil CNG delivered via pipeline; compressed in New Mexico	74.3
Fossil Liquefied Natural Gas	NMLNG001	North American fossil LNG delivered via pipeline; liquefied in New Mexico using liquefaction with 80% efficiency	87.1
Liquefied Petroleum Gas	NMLPG001	North American liquefied petroleum gas	87.0
Electricity	NMELEC001	Renewable power determined to have a carbon intensity of zero according to Section 206 of NMAC 20.2.92	0.0

E. Table 5 – New Mexico Temporary Carbon Intensities

Fuel	Fuel Pathway Identifier Code	Fuel Pathway / Process Description	CI Values (gCO <sub>2e</sub> /MJ): Total Lifecycle Emissions
Ethanol	NMETOH001	Denatured fuel corn-based ethanol based on North American average (E100)	69.6
Biodiesel	NMBD001	Neat biodiesel (B100) derived from any non-palm virgin plant oil, based on North American average	56.6
	NMBD002	Neat biodiesel (B100) derived from an animal fat or waste oil feedstock, based on North American average	19.9
Renewable Diesel	NMRD001	Neat renewable diesel (R100) derived from any non-palm virgin plant oil, based on North American average	59.1
	NMRD002	Neat renewable diesel (R100) derived from an animal fat or waste oil feedstock, based on North American average	18.3
Renewable Compressed Natural Gas	NMRCNG001	Biomethane derived from anaerobic digestion of North American livestock manure, delivered by pipeline and compressed in New Mexico. Does not include counterfactual avoided emissions	62.7
	NMRCNG002	Biomethane derived from anaerobic digestion of North American livestock manure,	-27.3

<b>Fuel</b>	<b>Fuel Pathway Identifier Code</b>	<b>Fuel Pathway / Process Description</b>	<b>CI Values (gCO<sub>2</sub>e/MJ): Total Lifecycle Emissions</b>
		delivered by pipeline and compressed in New Mexico; includes counterfactual avoided emissions	
	NMRCNG003	Biomethane derived from landfill gas or wastewater treatment, delivered by pipeline and compressed in New Mexico	21.4
Renewable Liquefied Natural Gas	NMRLNG001	Biomethane derived from anaerobic digestion of North American livestock manure, delivered by pipeline and liquefied in New Mexico using liquefaction with 80% efficiency. Does not include counterfactual avoided emissions	71.8
	NMRLNG002	Biomethane derived from anaerobic digestion of North American livestock manure, delivered by pipeline and liquefied in New Mexico using liquefaction with 80% efficiency; includes counterfactual avoided emissions	-18.2
	NMRLNG003	North American NG derived from landfill gas or wastewater treatment delivered via pipeline; liquefied in New Mexico using liquefaction with 80% efficiency.	31.0
Gaseous Compressed Hydrogen	NMHYG001	Compressed H <sub>2</sub> produced in North America via central steam methane reformation of North American natural gas	94.5
	NMHYG002	Compressed H <sub>2</sub> produced in North America via central steam methane reformation (SMR) of biomethane from North American animal agriculture, with SMR process heat derived from North American fossil natural gas. Does not include counterfactual avoided emissions	88.3
	NMHYG003	Compressed H <sub>2</sub> produced in North America via central steam methane reformation (SMR) of biomethane from North American animal agriculture, with SMR process heat derived from North American fossil natural gas; includes counterfactual avoided emissions	-1.7
	NMHYG004	Compressed H <sub>2</sub> produced in North America via central steam methane reformation of biomethane from North American landfills or wastewater treatment, with SMR process heat derived from North American fossil natural gas	46.1
	NMHYG005	Compressed H <sub>2</sub> produced in North America via electrolysis using American average grid electricity	217.8

<b>Fuel</b>	<b>Fuel Pathway Identifier Code</b>	<b>Fuel Pathway / Process Description</b>	<b>CI Values (gCO<sub>2</sub>e/MJ): Total Lifecycle Emissions</b>
	NMHYG006	Compressed H <sub>2</sub> produced in North America via electrolysis using renewable electricity	14.3
Liquid Hydrogen	NMHYL001	Liquified H <sub>2</sub> produced in North America via central steam methane reformation of North American fossil natural gas	135.7
	NMHYL002	Liquified H <sub>2</sub> produced in North America via central steam methane reformation of biomethane from North American animal agriculture, with SMR process heat derived from North American fossil natural gas	127.0
	NMHYL003	Liquified H <sub>2</sub> produced in North America via central steam methane reformation of biomethane from North American animal agriculture, with SMR process heat derived from North American natural gas; includes counterfactual avoided emissions	37.0
	NMHYL004	Liquified H <sub>2</sub> produced in North America via central steam methane reformation of biomethane from North American landfills or wastewater treatment, with SMR process heat derived from North American fossil natural gas	89.8
	NMHYL005	Liquified H <sub>2</sub> produced in North America via electrolysis using American average grid electricity	221.7
	NMHYL006	Liquified H <sub>2</sub> produced in North America via electrolysis using renewable electricity	1.9