

LCFS Pathway Certified Carbon Intensities

In keeping with section 95488.8(d) of the LCFS Regulation, all certified fuel pathways with their respective carbon intensities are provided below.

CATEGORIES

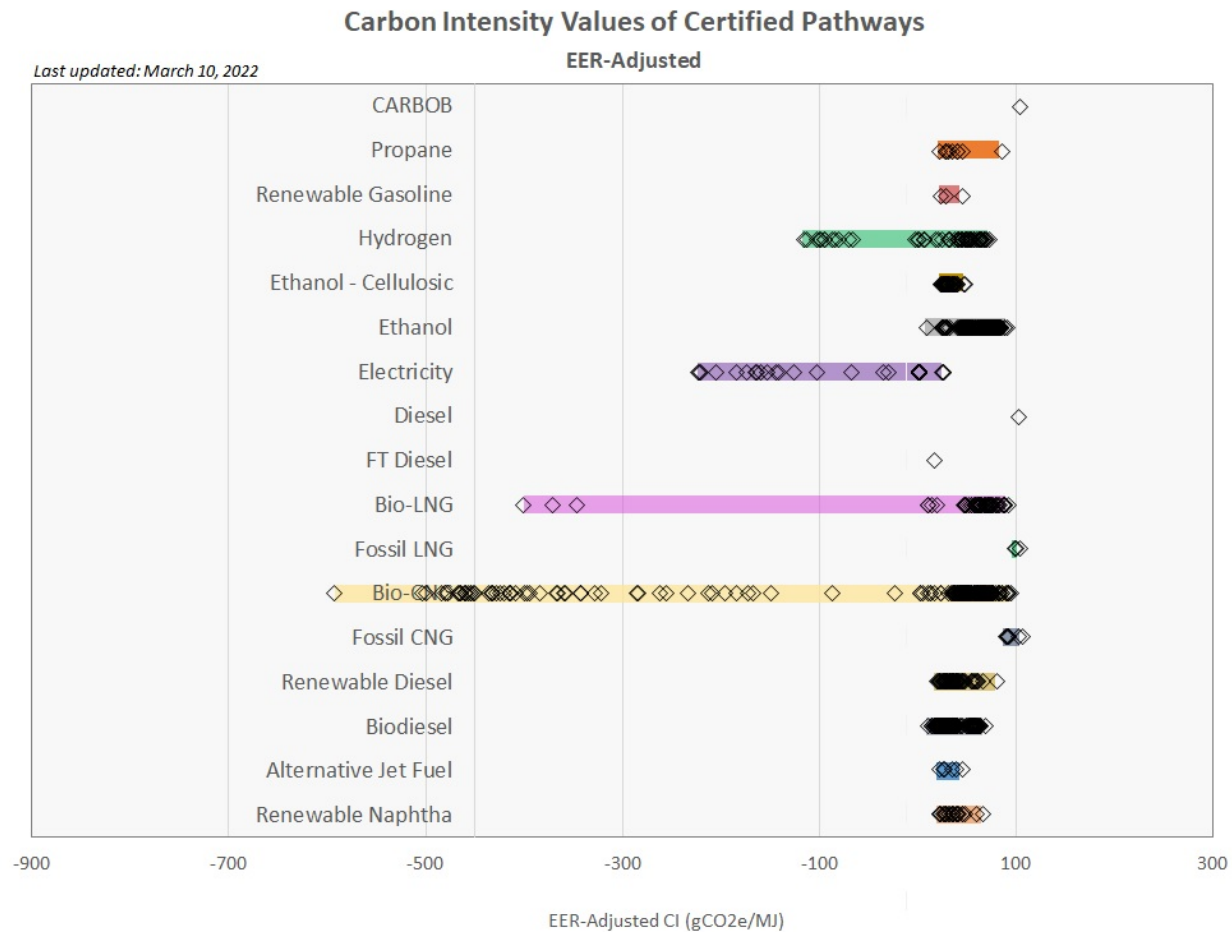
Programs Low Carbon Fuel Standard

Type Information

The alternative fuel's carbon intensity (CI) value is divided by its Energy Economy Ratio (EER) in order to obtain the EER-adjusted CI value, representing the emissions that occur from the use of alternative fuel per MJ of conventional fuel displaced.

The graph below shows the ranges of CI for each type of fuel compared to the two baseline fuels (gasoline and diesel). Each marker represents an individual certified fuel pathway CI, adjusted by the EER. The length of each bar indicates the range of carbon intensity that may be achieved by a fuel pathway. The wide range of carbon intensities is due to the life cycle emissions methodology of the LCFS, variations in feedstock types, origin, raw material production processing efficiencies, and transportation, all of which contribute to an individual producer's fuel pathway CI. All valid CI values shown are certified including legacy, Tier 1, Tier 2 and Lookup Table pathways.





Fuel Pathway Table

The Current Fuel Pathways spreadsheet is searchable and sortable by feedstock, fuel, classification and/or facility name of your choice.

- Lookup Table: CARB internally developed the Lookup Table fuel pathways using the CA-GREET3.0 model.
- Tier 1/Tier 2: New Tier 1 and Tier 2 fuel pathways are modeled using the CA-GREET3.0 model.
- Legacy Pathways: Legacy pathways certified using CA-GREET2.0 are available for reporting through 2020 (or until they are replaced by a CA-GREET3.0 pathway).



To view the Substitute Pathways and Default Blend Levels for LCFS Reporting for Specific Fuel Transaction Types, visit Substitute Pathway Table.

Public Comments

Section 95488.7(d) of the LCFS Regulation requires that Tier 2 applications be posted for public comments before they can be certified by the CARB Executive Officer. Such pathways will be posted for public comments for a period of ten business days. At the end of the comment period, staff will review posted comments and if deemed substantive, request a formal response from the applicant. If the response from the applicant is deemed adequate, staff will recommend certifying the pathway. If deemed inadequate, the pathway application will be denied and the applicant may submit a new application for future consideration. In addition, section 95488.5(d) of the LCFS Regulation provides for an annual update to Lookup Table pathways for electricity. The CA-GREET3.0 model inputs and data sources used to calculate the annual update to the CA Average Grid Electricity CI will be posted for 45 days for public comment prior to certification. Public comments, applicant responses, and staff recommendations will be available on this webpage:

- Pathways Available for Public Comments
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Additional Resources

- Apply for LCFS Fuel Pathway
- Life Cycle Analysis Models and Documentation
- Land Use Change Assessment

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