

LCFS Credit Generation Opportunities

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There are three ways to generate credits in the LCFS: fuel pathways, projects, and capacity-based crediting.

Fuel Pathways

Under fuel pathway-based crediting, all transportation fuels need a carbon intensity score to participate in the LCFS, and the fuel type dictates which process is used to determine that CI. To apply for a fuel pathway, view all certified fuel pathways, access the life cycle analysis (CA-GREET3.0), land use change, and OPGEE v2.0 models, and view the carbon intensity values for crude oil used in California, see the following:

- [Apply for LCFS Fuel Pathway](#)
- [View all Certified Fuel Pathways](#)
- [Life Cycle Analysis Models and Documentation](#)
- [Land Use Change Assessment](#)
- [Crude Oil Life Cycle Assessment](#)

Project-Based Crediting

Under project-based crediting, projects include actions to reduce GHG emissions in the petroleum supply chain, and also CCS using direct air capture. Crediting for projects is based on life cycle emission reductions, and credits are issued after the reported reductions are verified. To view innovative crude oil, refinery investment credit program, renewable hydrogen refinery credit program, and carbon capture and sequestration applications and their respective approved projects, see the following:

- [Innovative Crude Oil Applications and Approved Projects](#)
- [Refinery Investment Credit Program Applications and Approved Projects](#)
- [Renewable Hydrogen Refinery Credit Program Applications](#) (*no applications received*)
- [Direct Air Capture Applications](#) (*no applications received*)

Capacity-Based Crediting

The 2018 amendments added a new crediting mechanism to the LCFS which is designed to support the deployment of zero emission vehicle infrastructure. Crediting for ZEV infrastructure is based on the capacity of the hydrogen station or EV fast charging site minus the actual fuel dispensed. To apply for these pathways and view approved stations, see the following:

- ZEV Infrastructure Crediting

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