



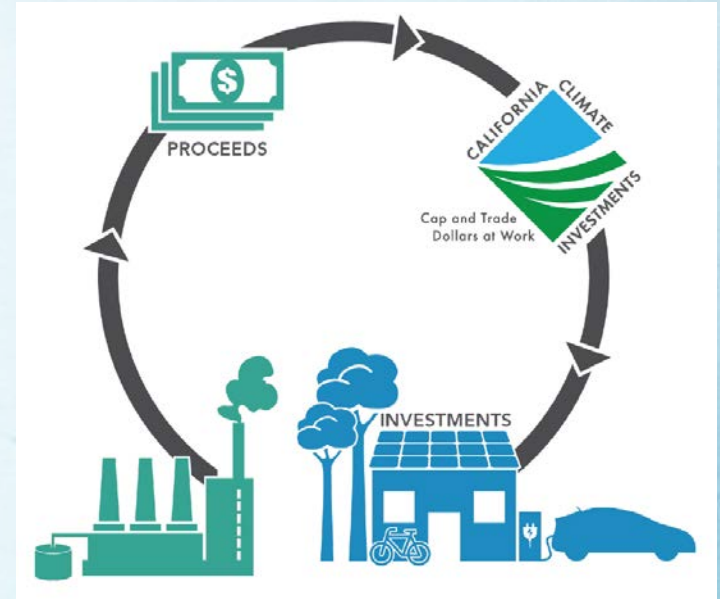
LCFPP Quantification Methodology and Benefits Calculator Tool

September 10, 2019

California Climate Investments

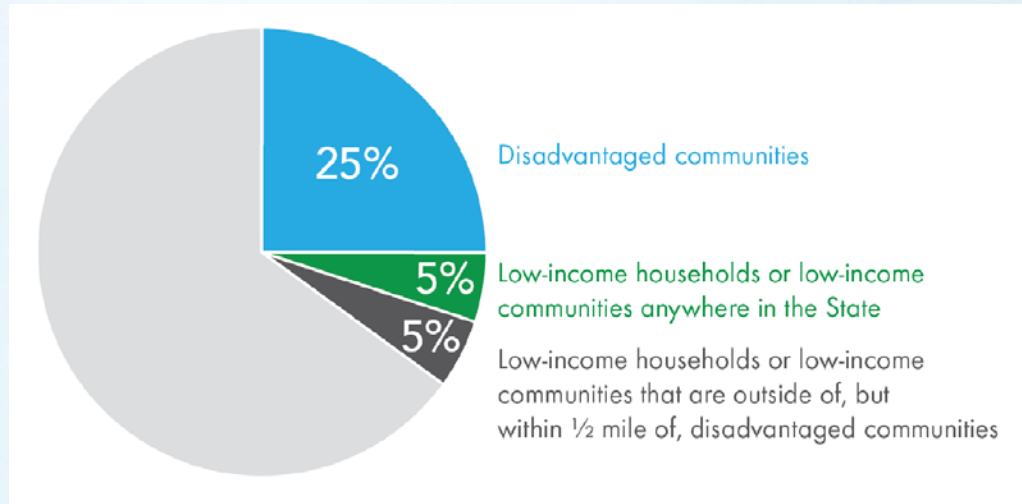


A statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment —particularly in disadvantaged communities.



AB 1550

Investments in Priority Populations



arb.ca.gov/ccci-communityinvestments

Available Resources



Clean Energy and Energy Efficiency				
Agency	Project Type	Quantification Methodology (QM) and Calculator Tool	Priority Population Benefit Criteria Table	Reporting Template
California Energy Commission	Industrial Energy Efficiency, Food Production Advanced Technology	Food Production Investment Program QM Calculator Tool	Energy Efficiency and Renewable Energy	Food Production Energy Efficiency
	Low Carbon Fuel Production	Low Carbon Fuel Production QM Calculator Tool	Clean Transportation and Equipment Sustainable Transportation Benefit Criteria Table	Draft Coming Soon

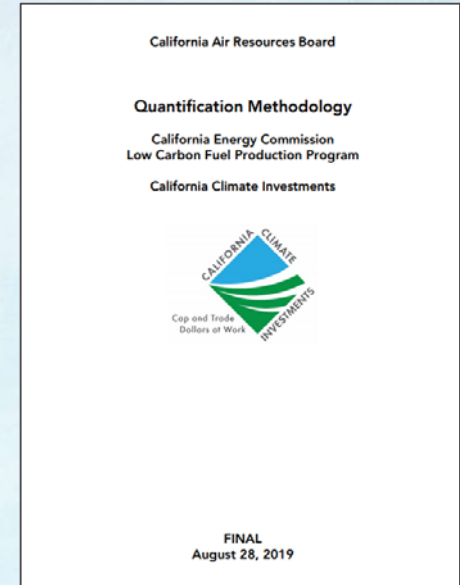
- CARB Quantification Materials webpage
 - Quantification Methodology
 - Benefits Calculator Tool & User Guide

<http://www.arb.ca.gov/cci-resources>

Quantification Methodology Overview



- Methodology uses existing methods to allow a consistent, statewide approach.
- Equations for estimating greenhouse gas (GHG) reductions, air pollutant reductions, and other co-benefits.
- GHG reductions based on fuel lifecycle analysis.



LCFPP Calculator Tool



- Estimated co-benefits include :
 - Air pollutant emission reductions
 - Fossil fuel/energy use reductions
 - Renewable fuel/energy generation
 - Organics diversion
 - Water savings
- Allows for up to three fuel types per project.
- Optional default values provided, where applicable.

California Air Resources Board
Benefits Calculator Tool for the Low Carbon Fuel Production Program
California Climate Investments

ABOUT:
For the California Energy Commission (CEC) Low Carbon Fuel Production Program (LCFPP), California Air Resources Board (CARB) staff developed this LCFPP Benefits Calculator Tool to estimate the greenhouse gas (GHG) emission reductions and selected co-benefits of each proposed project type. In an effort to enhance the analysis, provide greater transparency, and assist in project-level reporting, CARB has included an output tab in this Benefits Calculator Tool for selected co-benefits and key variables. This Benefits Calculator Tool is available for download at: <http://www.arb.ca.gov/ccr/resources>.

CARB released the Draft LCFPP Benefits Calculator Tool and Draft LCFPP Quantification Methodology for public comment in March 2019. This Final LCFPP Benefits Calculator Tool and accompanying Final LCFPP Quantification Methodology have been updated to address public comments, where appropriate, and for consistency with updates to the LCFPP Guidelines.

This Benefits Calculator Tool estimates GHG emission reductions and air pollutant emission co-benefits using methods described in the supporting LCFPP Quantification Methodology. Other co-benefits estimated in this and other benefits calculator tools use methods described in CARB's Co-benefit Assessment Methodologies. All CARB Co-benefit Assessment Methodologies are available at: <http://www.arb.ca.gov/ccr/cobenefits>.

More information:
Questions on this Benefits Calculator Tool should be sent to: GGRFPProgram@arb.ca.gov
For more information on CARB's efforts to support implementation of California Climate Investments, see: www.arb.ca.gov/auctionproceeds
Questions pertaining to the LCFPP should be sent to: lowcarbonfuels@energy.ca.gov

LCFPP User Guide



- Linked within the Benefits Calculator Tool
- Step-by-Step Directions
- Examples:
 - Example #1 New Biodiesel Production Facility.
 - Example #2 Expansion of Existing Dairy Biomethane Facility, producing RNG, Hydrogen, DME, and onsite electricity generation.

