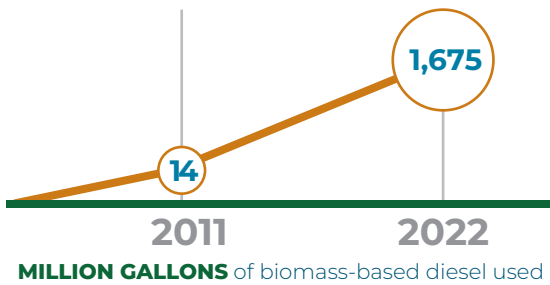




BIOMASS-BASED DIESEL: CALIFORNIA'S CARBON SOLUTION



Environmental Solutions



- In 2022, biodiesel and renewable diesel generated 45% of LCFS credits. Since 2011, biodiesel and renewable diesel have generated **more LCFS credits than any other transportation fuel** (42%).
- More than **83% of LCFS biodiesel/renewable diesel credits** have been generated by tallow, used cooking oil and inedible corn oil.
- Reduced CO₂ emissions by **11.9 million metric tons in 2022**. Reduced CO₂ emissions by **52.4 million metric tons since 2011 - 42% of total reductions**.
- Equivalent to removing **approximately 2.6 million vehicles in 2022 - or avoiding 30.4 billion miles driven**.

Economic Solutions



- Average carbon intensity reduction in 2022 for:**
Biodiesel = 72%
Renewable Diesel = 63%
Biomass-Based Diesel = 67%
- 359M** gallons of production in 2022.
- 1,537** full time jobs earning \$67 million in annual income
- \$335.4M** in economic activity
- #1** largest biomass-based diesel market in the country

California's LEADERSHIP

- 45.5%** Biomass-based diesel's share of California's diesel fuel market in 2022
- 20%** Goal for transportation emission reductions by 2030 (compared to 2005)
- 12.63%** Reduction in transportation carbon intensity achieved in 2022 (compared to 2005)

ABOUT BIODIESEL AND RENEWABLE DIESEL

- Made from plant-based oils, used cooking oils, and animal fats
- Clean-burning
- Can be used in any diesel engine without modification
- Commercially available nationwide
- Today's solution for heavy-duty trucking, emergency vehicles, bus fleets, and farm equipment

Sources: California Air Resources Board; LMC International, "Economic Impact of Biodiesel on the US Economy," 2022; EPA Greenhouse Gas Equivalency Calculator.