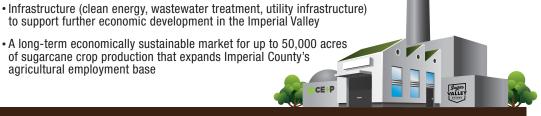


In Imperial County, California!

- Sustainable low-carbon energy (ethanol fuel, electricity and bio-methane) from the right renewable resource – sugarcane
- Infrastructure (clean energy, wastewater treatment, utility infrastructure) to support further economic development in the Imperial Valley
- of sugarcane crop production that expands Imperial County's agricultural employment base



The Future of Ethanol — A Key Part of a Carbon-Neutral Economy

PASSENGER VEHICLES NEED ETHANOL, CALIFORNIA NEEDS PASSENGER VEH

- In 2018, the transportation sector was responsible for 28.2% of all US greenhouse gas emissions the largest share of any sector with light-duty vehicles generating over half of the emissions in this sector.⁴
- According to the California Department of Motor Vehicles, more than 26.1 million passenger vehicles were registered in the state in 2019.
- California had just 256,800 EV registrations in 2018, accounting for 47% of the nation's total, according to the US Department of Energy? Only 1% of California vehicles were electric in 2018.
- · Adoption of electric vehicles remains slow due to high vehicle cost and "range anxiety."
- While California law requires that New Passenger Vehicles sold in 2035 and beyond be zero-emission vehicles (ZEVs). it does not outlaw older vehicles on the road, or out-of-state vehicles driving into California.



ETHANOL'S ROLE IN REDUCING CARBON EMISSIONS

- The levels of oxygen in ethanol (35%) mean that fuel combustion is more 'complete' and tailpipe emissions are reduced. Ethanol also displaces benzene, which is linked to cancer, and is a non-toxic, water-soluble, and biodegradable fuel.
- Renewable Fuel Standard (RFS) mandates US motor fuel be blended with renewable fuels like ethanol.
- In California that blend is currently 10% (E10) and there is government and advocacy support to increase this to 15% (E15).5 This would be a 50% increase in the use of ethanol for passenger vehicles alone.

9 KIA Jeep

The US is the largest ethanol producer in the world with over 15 billion gallons per year of operation capacity production. Around 94% of US production is in the Midwest, with more than 99% of this produced from corn feedstock.

Sugar Valley Energy's Essential Ethanol™ will be certified as having the lowest carbon intensity (CI) of any commercially available ethanol product and is the only sugarcane ethanol pathway certified by CARB (California Air Resources Board).

LOCALLY MADE SUGARCANE ETHANOL BENEFITS THE REGIONAL ENVIRONMENT

TONS PER ACRE

greater amounts than most other commercial crops

sequestered by Sugar Valley Energy's 48,000 acres of sugarcane crop

MAKING SUGARCANE ETHANOL LOCALLY CREATES JOBS AND ECONOMIC BENEFITS

JOBS IMPACTED

through development, construction and first year of operations

permanent new jobs

additional agricultural iobs supported

ACRES OF SUGARC

SUGAR VALLEY ENERGY IS A SUBSIDIARY OF CALIFORNIA ETHANOL & POWER, LLC. WWW.CALIFORNIAETHANOLPOWER.COM

- 1 https://www.dmv.ca.gov/portal/uploads/2020/06/2019-Statistic-for-Publication-1.pdf
- 2 https://afdc.energy.gov/data/10962
- 3 https://www.gov.ca.gov/2020/09/23/governor-newsom-announces-california-will-phase-out-gasoline-powered-cars-drastically-reduce-demand-for-fossil-fuel-in-californias-fight-against-climate-change/
- 4 Environmental Protection Agency https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions#transportation
- 5 "H.R. 8371 116th Congress: Next Generation Fuels Act of 2020." www.GovTrack.us. 2020. April 1, 2021 https://www.govtrack.us/congress/bills/116/hr8371
- 6 Renewable Fuels Association, 2021 Report. https://ethanolrfa.org/wp-content/uploads/2021/02/RFA Outlook 2021 fin low.pdf

provide a stable, long-term income for local growers