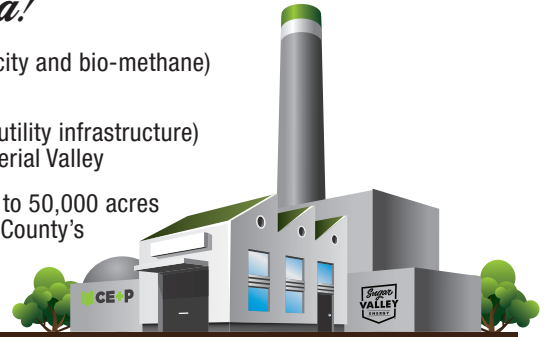




In Imperial County, California!

- 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
- A long-term economically sustainable market for up to 50,000 acres of sugarcane crop production that expands Imperial County's agricultural employment base



Low-Carbon Essential Ethanol™ To Be Produced at Sugar Valley Energy

THE IMPORTANCE OF ETHANOL:

THE U.S. ETHANOL MARKET IS ESTIMATED TO REACH \$38.69 BILLION IN 2023, GROWING AT A CAGR OF 4.71% FOR THE PERIOD SPANNING 2018-2023*:

- Ethanol is a key ingredient for many applications – hand sanitizer, disinfectants, household solvents, and distilled spirits, beer and wine.
- Ethanol is a cleaner-burning alternative fuel, reducing greenhouse gasses. It also oxygenates gasoline enhancing fuel combustion and reducing exhaust emissions from automobiles and trucks.
- Ethanol is a 10% ingredient in gasoline in most states, while all modern automobiles can run on a mixture of gasoline and up to 15% ethanol (E15).
- In the US, 21 million vehicles on the road today are “Flex Fuel” vehicles that can run on up to 85% ethanol.
- California imports 1.2 billion gallons of ethanol in a combination of domestic corn-based ethanol and sugarcane ethanol from Brazil. Developing sugarcane ethanol within the state will reduce the dependence on imports.



SUGARCANE ETHANOL PRODUCTION AT SUGAR VALLEY ENERGY:

- 48,000 acres of sugarcane will produce an expected 68 Million Gallons per Year of very low-carbon fuel ethanol.
- SVE's products will assist in meeting California's groundbreaking AB32 requirements.
- SVE's campus will use commercially proven and financeable processes and equipment while also meeting California's stringent environmental regulations.



SUGAR VALLEY ENERGY WILL PRODUCE A CLEANER PRODUCT AND COULD REDUCE DEPENDENCE ON IMPORTED ETHANOL:

CE+P ETHANOL VS OTHER ETHANOL

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CARBON INTENSITY OF SVE ETHANOL

Midwest Corn Ethanol: 70
Brazilian Sugarcane Ethanol: 45

SUGARCANE CROP OPPORTUNITY

48,000
ACRES BY 2023

YEAR IN ACRES

2021	2,500
2022	30,000
2023	48,000

2400+



JOBS DEVELOPED

and sustained by ongoing plant operations and by offsite agriculture / sugarcane in Imperial County

\$610
MILLION

estimated construction cost; 9,000 construction jobs to be created.

* US Ethanol Market (Production, Consumption, Exports, Application & Co-Products): Insights, Trends and Forecast (2019-2023), January 2020, Konzept Analytics