

### LCFS GREET Parameter Audit | Q3-Q4 2016

#### First Custom LCFS GREET Parameters Audit

The plant is a first-of-its kind biodiesel plant capable of producing high-quality, cost-competitive biodiesel from a multitude of advanced nonedible feedstocks. The plant utilizes new technologies capable of converting a range of lower-cost feedstocks, such as recycled cooking oil and distillers corn oil, into high-quality biodiesel. Once fully operational, the plant will produce approximately 50 million gallons of biodiesel annually.

The plant had some roadblocks with CARB staff

during startup mode regarding its LCFS pathway approval, as it did not produce biodiesel at expected efficiency levels during Q3, Q4 2016.

EcoEngineers was contacted to conduct a third-party LCFS Compliance Audit. The objective of this audit was to determine whether the plant had the ability to accurately measure and monitor daily production data, and if so, to provide GREET model inputs using production day energy use only.

#### Key Performance

- EcoEngineers reviewed data monitoring systems at the facility to confirm the information sources present and verify all monitoring in place.
- Determined the CA-GREET model parameters, energy consumption, material inputs and material outputs for both quarters as they related to biodiesel production.
- Fully executed within one month timeline required by client to meet their deadlines.

#### Key Results

- Confirmed that all documentation reviewed was consistent with production records provided and confirmed the materials used during Q3 and Q4 2016. Confirmed that data provided for purchases and sales was consistent with the EMTS records reviewed.
- Verified meters and measurement points present at the facility and gained understanding of the sophisticated tracking system used for operations.
- Verified that the information provided was sufficient to calculate the CA-GREET model inputs for the facility and provided the calculations to the client.
- The requirements set forth by the client to satisfy CARB staff were completed and met the client's expectations.