



RENEWABLE FUEL CONVERSION

MODIFICATION TO EXISTING FACILITIES TO TAKE ADVANTAGE
OF RENEWABLE FUEL CREDITS

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WHY RENEWABLE?

- Boost product profit by generating high value RIN credits to sell.
- Take advantage of the EPA's renewable volume requirements paired with low market supply.
- Diversify feedstock to include vegetable oils and animal fats.
- Renewable fuel can be run in engines with no blending requirements.



WHAT CAN ZAP OFFER YOUR FACILITY?

The economics around producing renewable fuels can be very attractive but capital cost investment to convert from conventional to renewable fuel production is very dependent on the existing facility infrastructure and capacity.

ZAP is able to provide engineering, procurement and construction support at any point in your facility's evaluation or transition to renewable fuel production:

- High level evaluation of project feasibility including conversion cost and capacity expectation.
- Class 3 cost estimate for basis of budget authorization.
- Detailed design to convert an existing facility or build a new facility.
- Procurement and construction management during project execution.



WHAT IS NEEDED TO START?

- Meeting with ZAP to discuss scope and requirements.
- Facility piping and instrumentation diagram.
- Facility process model:
 - If not available - ZAP can proceed with some specific process conditions.
- Current bottlenecks/limitations:
 - Hydrogen spare capacity
 - Produced water
 - Production contracts



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