

AGRICULTURE PROJECT OPPORTUNITY

Soderal Biogas Project

Marcelino Maridueña, Ecuador

OVERVIEW OF AGRICULTURE PROJECT:

The Soderal distillery currently uses lagoons to treat vinasse. The Soderal Biogas Project (SBP) will replace these lagoons with biogas recovery anaerobic digesters. The biogas produced will replace fuel oil currently used to power the distillery process.

PROJECT EXPECTED START DATE: Not available

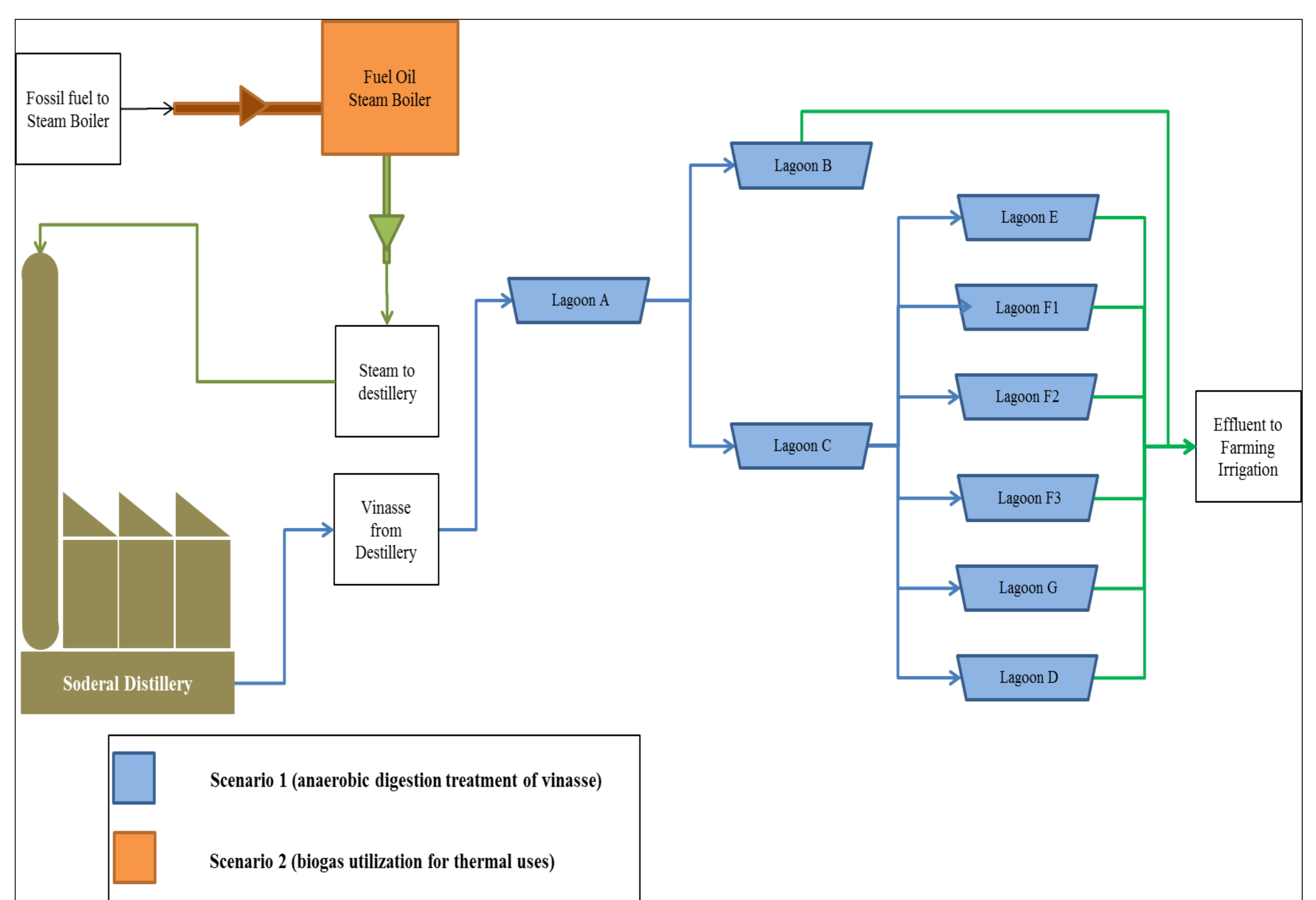
ESTIMATED ANNUAL EMISSION REDUCTIONS: 30,000 MTCO₂E

PROJECT DETAILS

- **Site Name:** Soderal
- **Geographic Location:** Marcelino Maridueña, Ecuador
- **Type of feed stock(s):** Distillery effluent (vinasse)
- **Estimated cost:** \$6 million USD

PROJECT DESCRIPTION

- Currently the distillery produces 360,000 m³ of vinasse per year.
- The vinasse is treated in a series of nine lagoons before being land applied to sugar cane fields.
- The decomposition of the vinasse in the lagoons produces methane which is released to the atmosphere.
- The proposed anaerobic digester would collect and combust the methane, reducing emissions and creating a renewable energy source.



FOR MORE INFORMATION

Ing. Camilo Molina Betancourt
Soderal Biogas Project
Guayaquil, Junin 114 Y Malecon, Piso 8
Marcelino Maridueña
Ecuador
593 4 2566375
cmolina@soderal.com.ec