

Logos Technologies, Inc. and Edeniq, Inc. Pilot Corn-to-Cellulosic Migration Biorefinery

Logos, Inc. and Edeniq, Inc. are retrofitting Edeniq's existing pilot plant in Visalia, California.

The goal of the pilot facility is to demonstrate advanced technologies and methods to convert non-food, cellulosic feedstocks into ethanol in an economically and environmentally compelling way. To learn more about this project, visit the [Logos Technologies, Inc. website](#) or the [Edeniq, Inc. website](#).

Project Description

Logos, Inc. and Edeniq, Inc. have teamed on the Corn-to-Cellulosic Migration (CCM) Project to focus on the migration of billions of dollars of capital deployed in today's corn ethanol industry toward cost-effective production of greener ethanol from corn stover, switchgrass, and woodchips.

The project utilizes a suite of Edeniq, Inc.'s proprietary technologies: the Cellunator™ (mechanical pretreatment), advanced enzymes for conversion of cellulose to sugars, and high-yielding yeasts to ferment the sugars to ethanol.

The project is sourcing corn stover locally in central California and from the Midwest, wood chips locally, and switchgrass from test plots in the southeastern United States.

The CCM Project promotes the national goals of energy independence, greenhouse gas reduction, and green job creation and retention. The CCM project will accomplish the following:



The Logos and Edeniq pilot facility will test methods to convert non-food feedstocks into ethanol.

- Begin operations of the pilot scale cellulosic feedstock test facility in 2012
- Develop second-generation yeasts for saccharification and fermentation
- Demonstrate the effective use of various feedstocks: corn stover, switchgrass, and wood chips
- Gather metrics, including greenhouse gas emissions and life-cycle assessment, for the construction and scale-up to a commercial-sized facility.

Potential Impacts

The CCM pilot plant starts up in 2012. The project is sited at Edeniq, Inc.'s existing facility in Visalia, California.

The project is expected to sustain 43 positions over the 3.5-year project period, including 11 new ones.

Once the process has been demonstrated at the pilot facility, a commercialization plan will be implemented to produce cellulosic ethanol in quantities sufficient to help the United States reduce its dependence on imported oil.

Other Participants

Logos, Inc. and Edeniq, Inc. are working in cooperation with The University of California, Davis, and the U.S. Department of Agriculture Forest Products Laboratory.

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| Prime | Logos Technologies, Inc. |
| Location | Visalia, California (Project Site), Fairfax, Virginia (Headquarters) |
| Feedstocks | Various cellulosic feedstocks: corn stover, switchgrass, wood chips, etc. |
| Size | 2 tons per day |
| Primary Products | Cellulosic ethanol |
| Capacity | 50,000 gallons per year |
| Award Date | January 28, 2010 |
| GHG Reduction | Goal of > 80% reduction versus petroleum-based fuels |
| Anticipated Job Creation | 11 new positions (43 sustained) |
| Company Contact | Dan Derr, Project Manager, dderr@logos-technologies.com |