

Federal Programs Supporting Commercial Scale Development

by Bill Hagy

Biofuels, Biopower, Biochemicals, and Biobased Products



About Bill Hagy

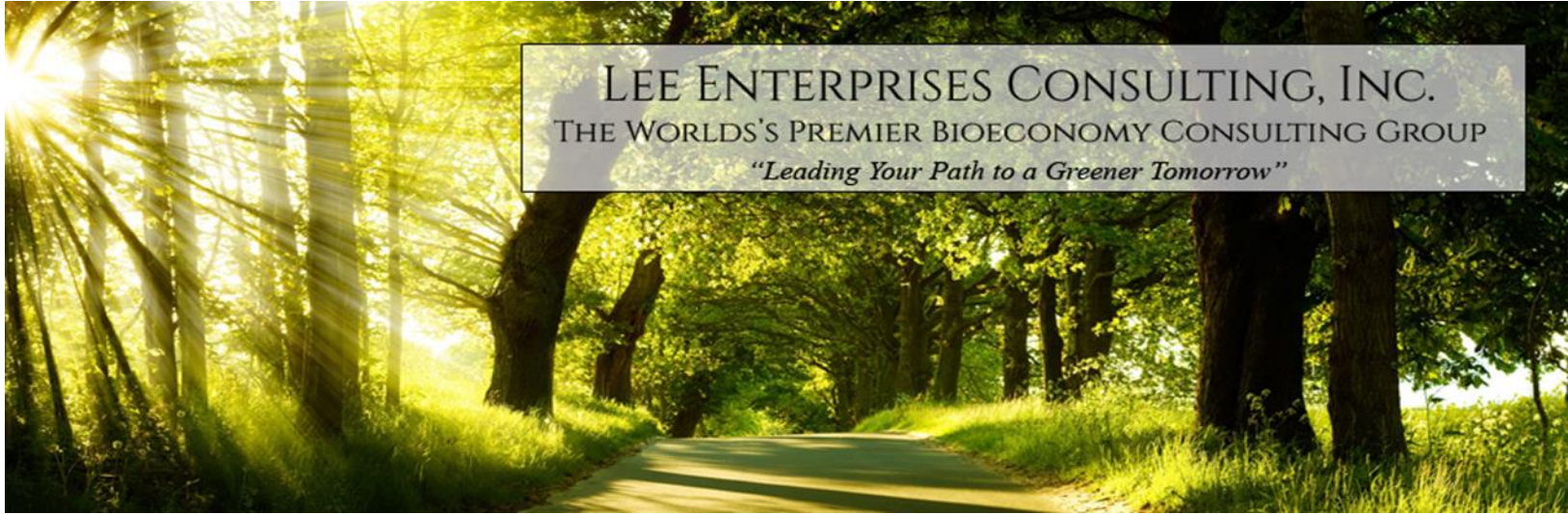
Accredited
Member



LEE ENTERPRISES
CONSULTING, INC.

Background:

- 45 years of combined experience at United States Department of Agriculture (USDA) and as consultant identifying and accessing available federal programs/resources that support sustainable economic development
- Assistance provided to communities, businesses, non-profits, tribal governments, towns, cities, and agriculture producers.
- Assistance in U.S. and designated US territories



LEE ENTERPRISES CONSULTING, INC.
THE WORLD'S PREMIER BIOECONOMY CONSULTING GROUP
"Leading Your Path to a Greener Tomorrow"

Expertise: World's largest bioeconomy consulting group - over 100 subject matter experts (SME's)- all areas of the bioeconomy.

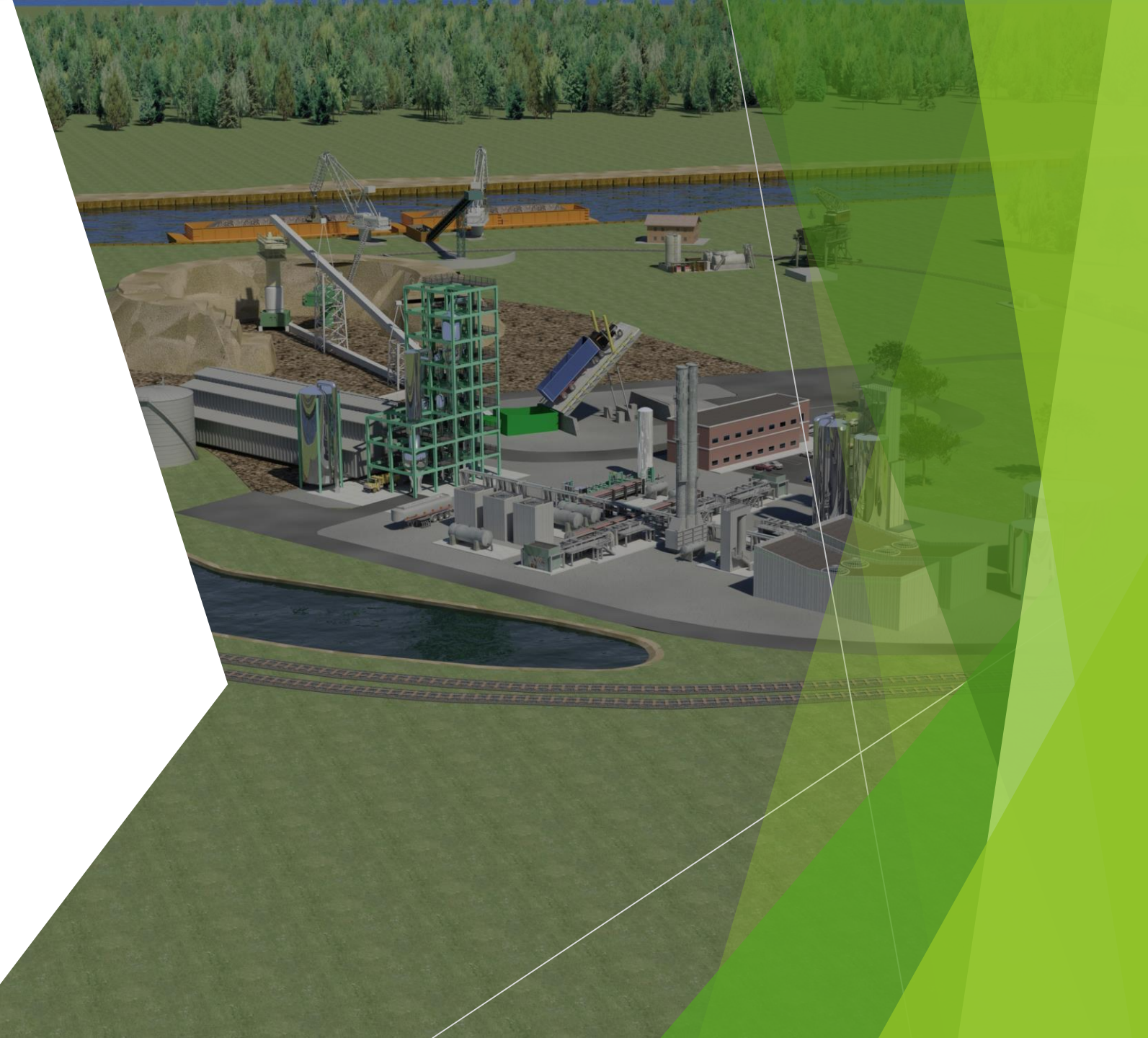
Approach: Project interdisciplinary teams to meet exact needs of specific projects.

POC: Handle projects with one agreement and single point of contact.

Cost Advantage: Single POC = lower administrative costs = lower project cost.

Federal Commercial Scale Development Programs Supporting Biofuels, Biopower, Biochemicals, and Biobased Products

- ▶ USDA Biofuels, Renewable Chemical, and Biobased Product Manufacturing Assistance Program (Section 9003)
- ▶ USDA Rural Energy For America Program (REAP)
- ▶ USDA Business and Industry (B&I) Program
- ▶ DOE Title XVII Loan Program for Renewable Energy and Energy Efficiency (REEE)
- ▶ Small Business Administration 7A Program



USDA Biofuels, Renewable Chemical, and Biobased Product Manufacturing Assistance Program (Section 9003)

- ▶ **PURPOSE:** Provides loan guarantees to assist in the development of new and emerging technologies for the development of Advanced Biofuels, Renewable Chemicals, and Biobased Product Manufacturing Assistance.

- ▶ **ELIGIBLE PROJECT TYPES:**
 - **Advanced Biofuels-** Fuel derived from Renewable Biomass, other than corn kernel starch.
 - **Renewable Chemicals-**A monomer, polymer, plastic, formulated product, or chemical substance produced from Renewable Biomass.
 - **Biobased Product Manufacturing Assistance** - The use of Technologically New Commercial-Scale processing and manufacturing equipment and required facilities to convert Renewable Chemicals and other biobased outputs of Biorefineries into end-user products on a Commercial Scale.

- ▶ **FUNDING AVAILABILITY:** A Two Phase loan guarantee application. There are two Phase I application cycles annually. Phase I application deadlines are October 1 and April 1.



USDA Rural Energy for America Program (REAP)

- ▶ **PURPOSE:** Provides financing to purchase or install renewable energy systems or make energy efficiency improvements.
- ▶ **ELIGIBLE PROJECT TYPE:** Purchase, installation, and construction of renewable biomass energy systems including biodiesel and ethanol, anaerobic digesters, and solid fuels for agricultural producers and rural small businesses.
- ▶ **FUNDING AVAILABILITY:** Grant funding and application window are available via a Notice of Funding Availability and loan guarantee applications are received any time during the year.

USDA Business and Industry (B&I) Program

- ▶ Purpose: Improve, develop, or finance business, industry, and employment and improve the economic and environmental climate in rural communities. This purpose is achieved by bolstering the existing private credit structure through the guarantee of quality loans that will provide lasting community benefits.
- ▶ Eligible Project Type: Commercially proven systems that produce a biofuel derived from renewable biomass.
- ▶ How to access: Applications can be submitted any time during the year.

DOE Title XVII Loan Program for Renewable Energy and Energy Efficiency (REEE)

- ▶ **PURPOSE:** Support innovative renewable energy and energy efficiency projects that reduce greenhouse gas (GHG) emissions.
- ▶ **ELIGIBLE TECHNICAL AREAS:**
 - * Advanced grid integration and storage
 - * Drop-in biofuels
 - * Waste-to-energy
 - * Energy efficiency improvements
- ▶ **FUNDING AVAILABILITY:** Application process is a two-phase process. Funding is currently available through a Funding Solicitation Announcement.

Small Business Administration 7A Program

- ▶ **PURPOSE:** Provides loan guarantees for commercial property, business purchase, working capital and debt consolidation.
- ▶ **ELIGIBLE PROJECTS:** Commercially proven biofuel, biopower, and biobased products small businesses.
- ▶ **AVAILABILITY OF FUNDING:** Applications are received on an ongoing basis.



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