

Greensteam Fact Sheet



Global Green Solutions Inc. (GGRN: OTCBB), with operations in North America and Europe, develops and implements ecotechnology solutions for biomass-derived renewable energy generation. GGRN has developed and owns Greensteam, a patent-pending, high efficiency, low-emissions, biomass-to-energy conversion technology. Greensteam is currently a demonstration and early commercialization stage technology with first contracts signed by a major California Oil and Gas Company.

Greensteam

Greensteam is a biomass-to-energy conversion technology that is used for industrial heating purposes and to co-generate electrical power. The Greensteam biomass to steam technology combines high energy transfer efficiency with very low air emissions and is able to produce steam at substantially less cost than produced with oil or gas fuels.

GGRN's business model for Greensteam is to license the technology & develop and operate projects directly or with strategic partners, enabling GGRN to profit from a portfolio of economically and environmentally sustainable waste biomass-to-energy projects. The first Greensteam project recently entered early commercialization stage, while other project opportunities are being developed in North America and Europe.

Greensteam Technology

The patent pending Greensteam technology utilizes an environmentally friendly, high efficiency fuel preparation, suspension combustion, and steam generation process that is specifically designed and proven for:

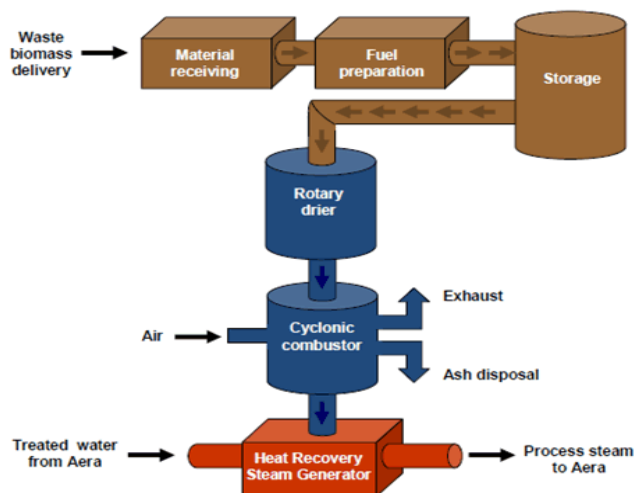
- ✚ High energy conversion efficiency - waste biomass to steam.
- ✚ Generating steam at up to 30% less cost than fossil fuels.
- ✚ Ultra-low NOx and Volatile Organic Compound (VOC) emissions to meet stringent permitting standards.
- ✚ The ability to combust a variety of forest, agricultural and animal residues.
- ✚ Delivering high operational reliability.

Greensteam Development

Global Green Solutions has invested three years in development, design and testing, resulting in a process differentiated by its improved energy conversion efficiency and lower air emissions:

Greensteam Process

Biomass material is prepared and dried. The prepared fuel is fed to a suspension combustor where hot gasses are generated. The hot gases flow through a heat recovery steam generator to produce steam.

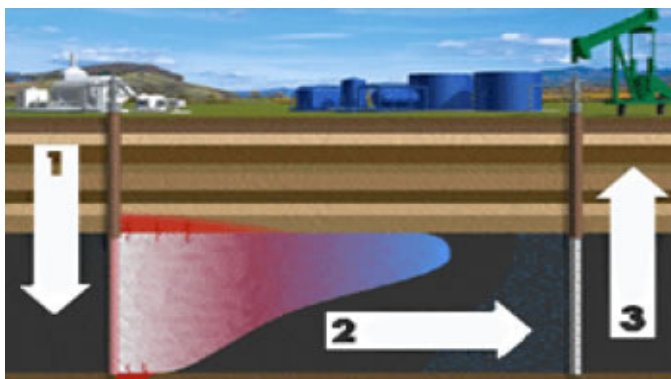


First Greensteam Project: Aera Energy LLC

Aera Energy LLC, owned by affiliates of Shell and ExxonMobil and one of California's largest oil and gas producers, currently operates natural gas-fired steam generators in its enhanced oil recovery (see schematic) process. Aera intends to replace a minimum of 15 of its current gas-fired steam generators with 10 Greensteam waste biomass-fired steam generators for two key reasons:

- ✚ reduce their steam generation operating costs
- ✚ reduce their greenhouse gas emissions footprint.

Aera Enhanced Oil Recovery Application



Steam (1) is injected into the underground oil reservoir (2) to make the heavy crude oil more fluid so it can be pumped up to the surface (3).

Greensteam Fact Sheet



Greensteam Commercialization

Global Greensteam LLC was established by Global Green Solutions for Greensteam projects including Aera.

Global Greensteam LLC and Aera entered into a contract for the long-term purchase of all steam generated from full-scale Greensteam units installed at the Aera site. The agreement also stipulates a steam pricing formula correlated to the price of natural gas, benefiting Greensteam when the natural gas price increases.

Aera Greensteam Demonstration Facility

Global Greensteam LLC has received significant financial support from Aera Energy LLC, enabling the company to construct its first Greensteam system, an \$8 million demonstration unit which will test the performance of the Greensteam process including emissions testing to secure the air quality permits required for the full-scale project. In return, Aera will receive discounts on the full project steam offtake price and a share in the carbon credits generated from the reduced emission footprint.

On successful completion and acceptance of the demonstration unit testing and Aera's decision to proceed, Greensteam will finalize project financing and commence construction of the 10 full-scale commercial units staged over a 30-month period.



Aera Greensteam Demonstration Facility

The Aera Greensteam demonstration facility reached construction completion in June 2010 and operational testing will continue through December 2010. The demonstration project is a 1.25MW electrical equivalent steam generation facility and will provide process and air emissions data to enable optimization for performance and final air emissions permitting.

Greensteam Management Team

Craig Harting: President

30+ years of experience in r&d, marketing, and project management involving high technology products for the process industries. Previously employed by Honeywell International Industrial Controls as VP of project operations and marketing.

Doug Frater: CEO

30+ years of experience in the energy industry. Previously employed by Honeywell International Industrial Controls as sales VP, EMEA and global director, oil and gas and international projects.

Arnold Hughes: CFO

30+ years of experience in strategic planning, management consulting and finance in a range of industries including oil & gas distribution, bulk commodities and lumber.

Joe Mitchell: Operations Manager

30+ years of experience designing, building, and operating steam generation plants for the oil industry worldwide, with special expertise in steam generation

Nathan deBoom: Fuel Supply Manager

Extensive experience with California agriculture and the development of California environmental policy in public and regulatory agencies.

Ted Conway: Engineering Manager

15+ years experience across multiple disciplines, including manufacturing, project management, and construction. Extensive experience in material handling projects and operational maintenance.

Mike Kelly: Air Quality Consultant

President and CEO of Vector Environmental Inc. 30 years experience in air quality management and planning.

Alan Van Zandt: Control Systems Manager

30 years control systems experience in the oil and gas industries and has specific expertise in IT and process control software applications development.

Ralph Miller: Heat Train Integration Consultant

36+ years experience in consulting engineering, for industrial mechanical and process systems, including utility, mechanical conveying, and fuel systems.

Global Green Investor Relations

Contact: Halsey Johnston, Global Green Solutions

Global Green Solutions Inc. www.globalgreensolutionsinc.com develops and implements ecotechnology solutions for renewable energy and reduction of greenhouse gas emissions. Global Green Solutions Inc. is a U.S. public traded company (GGRN: OTCBB, Cusip 37947A), with offices in San Diego, Vancouver, Brussels, London.

Tel (Vancouver): +1 604 606 7967

E-mail: haljohnston@globalgreensolutionsinc.com