

RNY Solar/RIT Collaboration

LakeMaster has developed a professional relationship with RNY Solar, LLC, an engineering firm specializing in solar energy capture and energy storage. LakeMaster is working directly with Jim Munro, RNY Solar's principle engineer, who is working with the RIT Clean Energy Incubator. This past month, LakeMaster collaborated with RNY Solar and Dr. Don Figer a professor at RIT to submit a proposal to the National Science Foundation (NSF). Mr. Munro and Dr. Figer both have expertise in photonics which they will lend for a project to investigate new innovations in the application of solar energy to the photosynthesis of algae and the production of biofuel.

To further this NSF Proposal, the principals of LakeMaster met with Congresswoman Louise Slaughter who provided a strong letter of support to accompany our proposal. Senator Chuck Schumer's office also offered a letter of support for the project.

LakeMaster Harvests Lipid Oil

This past month we processed several batches of algae in three proto-type photo-bioreactors (PBRs) located at Northern Biodiesel. The algal fluid was dewatered, centrifuged, and lipid oil was extracted from the biomass.

THIS IS A MAJOR MILESTONE FOR LAKEMASTER!

New Technology in Solar Light Management

LakeMaster has developed new technology for the efficient management of solar light in photosynthetic growth. The basic idea is to construct a system to capture the maximum quantities of solar energy available in northeast latitudes and to marshal that energy into algae growth and lipid oil production with minimal energy loss. We anticipate these new innovations will yield intellectual property (IP) improvements of significant economic value to LakeMaster.

Power Plant Project

Bill Alexander and Joe Holroyd are working with engineers at Kodak regarding a potential project in which LakeMaster will grow algae using the excess CO₂ generated by the Duke Energy facility at Kodak Park.

Through the help of Rich Notargiacomo at the RIT Clean Energy Incubator, we have had the services of two students from the RIT Saunders School of Business and a seasoned consultant, Mr. Mark Preston. Working together with LakeMaster personnel, these researchers have developed an economic model to analyze critical cost functions in the production of algal oil. The model is simple yet robust and with the in-depth final report generated by the team can be adapted to our project at Duke Energy and other LakeMaster projects.



Events:

NSF Proposal Filing
March 3, 2011

NAA National Meeting
March 28, 2011
New York, NY

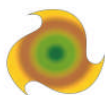
International Biomass
Conference & Expo
May 2-5, 2011
St. Louis, Missouri

Industry News:

The U.S. Department of Energy (DOE) National Renewable Energy Laboratory (NREL) is looking to expand biofuels partnerships. This past year, NREL completed phase one of its Integrated Biorefinery Research Facility In Boulder Colorado. The idea is to have a place for industry to test demonstration-scale projects and speed the commercialization of biofuels.

Qualified investors who wish to examine LakeMaster's Private Placement Memo should contact Bill Alexander at:

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Algae to Biofuel

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