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**Santa Fe Community College, New Solutions Energy  
Host National Algae Association Conference in Santa Fe**  
Algae Growing, Harvesting and Extraction Technologies  
**August 1 at SFCC**  
*Collaboration, Strategic Alliances and Networking*

SANTA FE, NM – Santa Fe Community College (SFCC) and New Solutions Energy (NSE) will host the National Algae Association (NAA) conference on Monday, August 1, in the new Trades & Advanced Technology Center on the SFCC campus, 6401 Richards Ave. in Santa Fe. The conference – Algae Growing, Harvesting and Extraction Technologies – will focus on progress in growing, harvesting and extraction methods, updates on proven technologies that are ready for commercial-scale algae production and curricula for workforce development.

About two billion years ago, algae transformed the atmosphere to one rich with oxygen, allowing a vast array of oxygen-breathing life to exist and evolve, and providing many of the new organisms with earth's first food source. Today, algae provide a rich source of food and fuel. Together, SFCC and NSE are in the process of developing cost-effective and efficient methods to grow algae. SFCC is training technicians in algae growing methods and in the manufacturing of algae growing systems. Developing/creating new jobs in sustainable technologies is one of the main commitments of Santa Fe Community College.

“Hosting the NAA is an exciting opportunity for our students, our sustainability programs and the college,” said Randy Grissom, SFCC’s Dean of Economic and Workforce Development and Director of The Sustainable Technologies Center. “We are proud of our new green facility and sustainability programs: they encourage collaboration and invite entrepreneurial innovation, such as our graduate Luke Spangenburg has launched with New Solutions Energy.”

In SFCC’s Biofuels program, students learn to make biodiesel, ethanol and algae oil so they may be prepared to work in the growing biofuels industry. Biofuels are a sustainable energy source made from organic materials or recycled oils converted into liquid fuels. The most common types of biofuels are ethanol, an alcohol made from plant biomass, and biodiesel, a combination of alcohol and oil or fat. A new resource for biofuels is algae, which is well-suited to growing in the Southwest. Some of the career opportunities in the biofuels industry include plant or lab technician, process coordinator, administrator, project engineer or developer and sustainability coordinator.

Committed speakers at the NAA conference include SFCC, New Solutions Energy, AlgaeVenture Systems, BARD Holding, New Mexico State University, NAA’s Algae Oil Spec Committee, the USDA, Waterwheel Factory, Solutions4CO2, MerckMillipore, CBO Financial, Algae Industry Magazine and Emerging Markets Online. The day will end with a tour of NSE’s Algae Base Station and SFCC’s new Trades and Advanced Technologies Center.

“NSE is happy to be one of the presenters at the NAA conference and is honored to join with SFCC in hosting this important event,” said Luke Spangenburg, NSE co-founder and SFCC alumnus. “NSE is pleased to be assisting the NAA in proving out true costs and economies of scale, and to give algae researchers opportunities, for the first time, to work in commercial-scale settings.”

New Solutions Energy (NSE), a key player in SFCC's Sustainable Technologies Center, is integrally involved in Algae Workforce Development and Algae Photo-Bio-Reactor (PBR) Manufacturing with the college. As part of SFCC's Sustainable Technologies Center, the Alternative Fuels Program's Biofuels/Algae section has developed classes on how to grow algae and how to manufacture algae growing systems. One of the current focuses is the manufacturing of all-weather closed-loop systems. Since the system is closed loop and not open pond, the growing system can operate in multiple weather conditions and is not affected by outside contamination. This type of system is called an algae bioreactor or a photo-bioreactor (PBR) since it is based on the use of photosynthesis. The harvest from these systems is algae biomass, biomass being a renewable energy source from living or recently living organisms. NSE will demonstrate its recently completed third stage 2,500 gallon closed-loop system at the conference.

Registration for the National Algae Association conference is \$300 before July 27; \$350 at the door. NAA members, students and nonprofit organization members receive discounted registration. For more, and to register, visit <http://www.nationalalgaeassociation.com/>.

***New Solutions Energy** provides algae production with versatile all weather closed loop algae growing systems and technical support to promote sustainable energy and food production. NSE offers complete component systems to support algae production from the lab to the field. NSE systems can be operated in most environments year round for a multitude of algae applications from nutritional products to fuel. NSE is seeking investment capital for the build out of a new manufacturing facility. For inquiries about NSE call Charles Hoy at (505) 690-7195 or [newsolutionsenergy@gmail.com](mailto:newsolutionsenergy@gmail.com) or visit [www.newsolutionsenergy.com](http://www.newsolutionsenergy.com).*

***About Santa Fe Community College:** For more than 25 years, Santa Fe Community College has been the gateway to success for individuals and the community by providing affordable, high-quality educational programs that serve the social, cultural, technological and economic needs of a diverse community. The college serves more than 14,500 students per year in its credit, noncredit and adult basic education programs. For information, visit [www.sfccnm.edu](http://www.sfccnm.edu) or call (505) 428-1000. Follow us: [SFCC on Facebook](#), [SFCC on Twitter](#).*

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