

# AGRICULTURAL SUSTAINABLE ENERGY EDUCATION NETWORK (ASEEN)

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## Background

- > Improving energy efficiency and expanding sources of renewable energy are key elements in developing sustainable energy policies and resources
- > Educational institutions have not kept pace with the need to produce the workforce to meet Industry demands of existing sustainable energy technologies
- > Agricultural applications of sustainable energy are particularly lacking

## ASEEN Project Description & Objectives

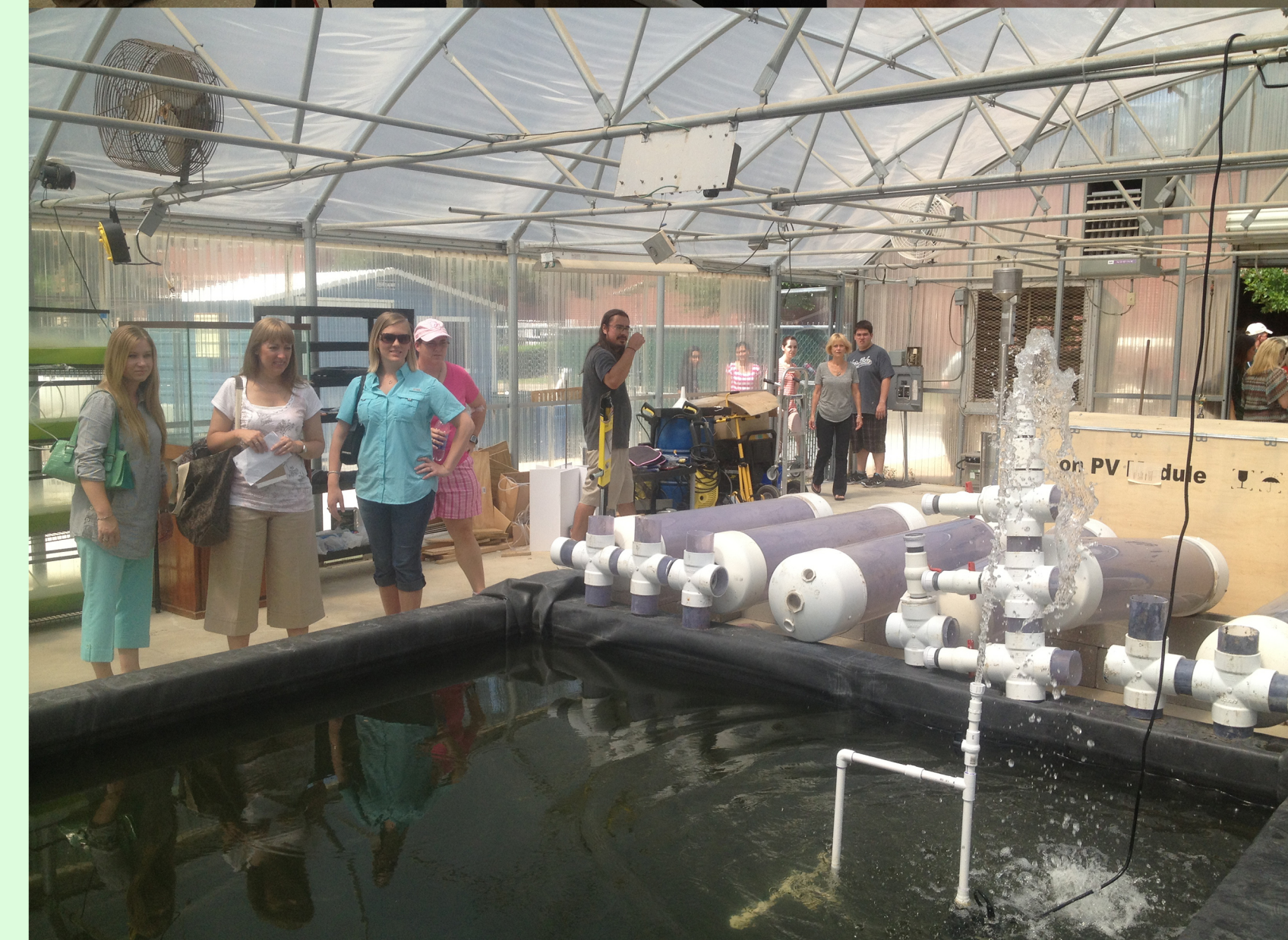
- > Three years project sponsored by the USDA to promote sustainable energy education in K-12 rural schools in Texas, with a focus on Ag applications
- > Conduct 3 summer workshops with 10 pairs of high school Ag and Science high school teachers
- > Conduct workshops with high school students in the school year to reinforce STEM concepts and educate students about careers in sustainable energy
- > Develop a renewable energy curriculum for Texas high school teachers and interested audiences
- > Projected to impact 3,000 high school students and thousands of community college students

## Results from Summer 2013 Workshop (June 17-22)

- > 22 Ag/Science teachers participated
- > Presentations from industry/academia and hands-on training on: Solar energy, wind power, hydro-power, biofuels, geothermal, and energy audit practices
- > Tours:
  - The Houston Community College Institute of Technology
  - The Lone Star College Biotechnology Institute
  - Houston's Green Building Resource Center

Overall usefulness of workshop for prof. dev.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Moderately	3	14.3	14.3	14.3
	Very	14	66.7	66.7	81.0
	Extremely	4	19.0	19.0	100.0
	Total	21	100.0	100.0	



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