

Energy Recovery's STEM for Millennials Program Wraps Up Fall 2014, Students to Present Their Final Projects

Oakland's Castlemont High School Students Present Wind Turbine Prototypes After a Semester of Hands-on, Project-Based Learning

SAN LEANDRO, Calif., Dec. 15, 2014 (GLOBE NEWSWIRE) -- At the culmination of [Energy Recovery's](#) first [STEM for Millennials program](#) with Castlemont High School, students from four 9th grade science classes will present their final projects on **Thursday, December 18** at Castlemont. In partnership with the Sustainable Urban Design Academy (SUDA), a team of Energy Recovery engineers mentored students and helped them research, design and produce wind turbine prototypes during the semester.

What: Energy Recovery's STEM for Millennials is a hands-on, project-based learning model that encourages students to pursue an academic career in science, technology, engineering and math. Students at Castlemont worked in small groups and were mentored by a team of 14 engineers from Energy Recovery. The classes competed to determine which designed and created the best wind turbine prototype.

When: Thursday, December 18, 1:30-3:30 PM

Where: Castlemont High School Cafeteria
8601 MacArthur Blvd.
Oakland, CA 94605

Why: Energy Recovery's STEM for Millennials program is an investment in the local community and is part of the company's commitment to corporate social responsibility. Most students who pursue STEM education at the college level and earn their degree in a STEM field developed an early interest in STEM careers in middle and high school. Energy Recovery believes that they can influence, inspire and impact students' interests in engineering, material science and energy saving technologies. By giving high school students the opportunity to be mentored by Energy Recovery's engineers and learn about what engineers do, students' academic experiences and thinking can be elevated.

How: The four 9th grade classes were a perfect fit for the Energy Recovery-SUDA partnership. The 9th grade curriculum specifically addresses natural forms of and physics of energy, energy systems and cycles, and how cities can create, use, conserve and reduce energy use through solar, wind and water power. An Energy Recovery team of 14 engineers divided up into four classrooms and volunteered over 120 hours this fall semester. It was a powerful experience for students to connect class ideas to real world engineering concepts with professional engineers. It is not often that teachers and students get to connect class projects to the professional world. Working hand-in-hand with Energy Recovery, as well as visiting the Energy Recovery headquarters provided students with a very unique learning opportunity.

Media is welcome to attend the event to take photos, video, and conduct interviews with the students and Energy Recovery mentors.

About Energy Recovery

Energy Recovery (Nasdaq:ERII) develops award-winning solutions to improve productivity,

profitability, and energy efficiency within the oil & gas, chemical, and water industries. Our products simplify complex systems and protect vulnerable equipment. By recycling fluid pressure that would otherwise be lost in critical processes, we save clients more than \$1.4 billion (USD) annually. Headquartered in the Bay Area, Energy Recovery has offices in Barcelona, Shanghai, and Dubai. Learn more at www.energyrecovery.com.

About SUDA

The Sustainable Urban Design Academy (SUDA) is a career pathway at Castlemont High School that empowers students through a highly rigorous, engaging and supportive learning environment to graduate prepared for college, career and life as designers and leaders of movements towards a sustainable and just world. Through the academy courses students gain the knowledge and understanding of the environmental and human systems that most affect our lives. Learn more [here](#).

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Source: Energy Recovery