

DSRFE 7. SUMMER - 2011

DISCOVERING SCIENCE ON THE RANGE IN THE FIELD OF ENERGY – PART 1.



**CENTER FOR GLOBAL
ENVIRONMENTAL EDUCATION**



WHAT ? Discovering Science on the Range in the Field of Energy (DSRFE) is a cooperative effort involving the Communities for Responsible Energy/Environment Demonstration (CREED) Project, Hamline University's Center for Global Environmental Education (CGEE) and the Laurentian Environmental Center (LEC), designed specifically for high and middle school teachers who wish to bring their knowledge about the Energy Efficiency and Renewable Energy (EERE) industry in Minnesota up-to-date and thereby be able to encourage their students to choose a future career in this field.

DSRFE PART 1. is the first of two, 2-week live-in, course workshops worth 6 graduate semester credits. Part 1. covers the "Energy Basics" (fundamentals, sources, conversion and end use), "Mathematics for Energy Problem Solving" and "Solar Direct" (solar thermal, photovoltaics and green buildings) areas of instruction. Together with Part 2., which is offered in alternate years, it provides teachers and others with the opportunity to earn and qualify for Hamline University's 12 credit "**Energy Education Certificate.**"

WHERE ? At LEC, Britt, Minnesota. LEC is approximately 12 miles north of Virginia on Minnesota's Iron Range on Peppard Road about one mile off highway 53 to International Falls.

WHEN ? **Week 1.** Sunday evening June 26 through Friday July 1, 2011.
Week 2. Sunday evening July 17 through Friday July 22, 2011.

WHY ? The EERE Industry, which comprises utilities and other energy companies, will be facing a shortage of new hires for their engineering, managerial and technician positions. CREED's Energy Education initiative which is part of the STEM effort to reverse the decline in Minnesota's graduating rates from our colleges in these disciplines, is focused on helping science, tech. edn., mathematics and other teachers improve their knowledge and ability to address this issue in their classrooms.

HOW? All expenses for the course (Hamline tuition fees, board and lodging at LEC, travel to and from LEC, instructor's salaries and overhead; \$2,500/teacher) will be covered by sponsorships from utilities and energy companies. **To register send a check made out to "CREED Project" for \$50 to CREED's Lead Instructor, Roger Aiken at 1589 Hollywood Court, Falcon Heights, MN 55108.** This registration fee will be fully refundable but only upon attendance. The course/workshop will be **limited to the first 20 participants who register.** Others will be placed on a waiting list. It is suggested therefore that if you are interested you register as soon as possible since these all expenses paid events have proved very popular in the past.

FOR FURTHER INFORMATION: -

Contact Roger Aiken, at 651-644-8318 or <rogeraiken@creedproject.org>.