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AMENDMENT TO H.R. 2454

OFFERED BY MR. POLIS OF COLORADO

Page 243, after line 2, insert the following:

SEC. 175. OFFICES OF TECHNOLOGY MOBILIZATION, COLLABORATION, AND COMMUNITY OUTREACH.

(a) OFFICES OF TECHNOLOGY MOBILIZATION, COLLABORATION, AND COMMUNITY OUTREACH.—

(1) ESTABLISHMENT.—Not later than one year after the date of enactment of this section, the Secretary of Energy shall establish at each national laboratory under paragraph (2) a regional Office of Technology Mobilization, Collaboration, and Community Outreach to—

(A) develop outreach initiatives for, provide guidance and assistance to, and collaborate with, industry, communities, States, and institutions of higher education in the greater region of the national laboratory on needs and issues relating to renewable energy use and development, and the research expertise of the national laboratory; and

(B) provide analysis to the Secretary on needs and issues relating to renewable energy

use in the greater region of the national laboratory.

(2) NATIONAL LABORATORIES.—The Department of Energy national laboratories referred to under paragraph (1) are as follows:

(A) Argonne National Laboratory.

(B) Brookhaven National Laboratory.

(C) Lawrence Berkeley National Laboratory.

(D) Los Alamos National Laboratory.

(E) National Energy Technology Laboratory, Pennsylvania and Oregon campuses.

(F) National Renewable Energy Laboratory.

(G) Oak Ridge National Laboratory.

(H) Pacific Northwest National Laboratory.

(I) Sandia National Laboratories.

(J) Savannah River National Laboratory.

(3) PROGRAMS.—Each Office of Technology Mobilization, Collaboration, and Community Outreach shall, with respect to the greater region of the national laboratory of each such Office, carry out the following programs:

(A) TECHNICAL ASSISTANCE AND INDUSTRY CONSULTATION PROGRAM.—A Technical Assistance and Industry Consultation Program to provide to industry, State and local governments, institutions of higher education, and the public—

(i) assistance with grant opportunities and Department of Energy resources; and

(ii) expertise for carrying out renewable energy projects.

(B) CLEAN ENERGY CAREER TRAINING PARTNERSHIP PROGRAM.—A Clean Energy Career Training Partnership Program to assist institutions of higher education and workforce training programs in developing and implementing clean energy career training programs, hosting seminars, and providing resources, best practices, and grant information on clean energy careers.

(C) COMMUNITY OUTREACH AND PUBLIC EDUCATION PROGRAM.—A Community Outreach and Public Education Program to communicate with local communities regarding the work of the national laboratory and information

on renewable energy and energy efficiency. The Program shall carry out activities such as—

(i) coordinating demonstration projects;

(ii) establishing a visitor center, as appropriate;

(iii) hosting youth science camps and other youth education programs in coordination with local school districts;

(iv) hosting expert and public forums and conferences; and

(v) coordinating with regional entities to improve access to information on, and public knowledge of, renewable energy and energy efficiency.

(D) REGIONAL NEEDS IDENTIFICATION PROGRAM.—A Regional Needs Identification Program to analyze and identify challenges or needs relating to renewable energy use in the region to expedite and foster such use.

(b) FEDERAL GRANTS FOR RENEWABLE ENERGY TECHNOLOGY MATURATION, COMMERCIALIZATION, AND RESEARCH COLLABORATION.—

(1) DEFINITIONS.—For purposes of this subsection:

(A) AUTHORIZED STATE AGENCY.—The term "authorized State agency" means any centralized State office of economic development or State energy office, as authorized and established by State statute or executive action.

(B) EARLY STAGE.—The term "early stage" means, with respect to renewable energy technologies, technologies that have been proven by research in a controlled experimental laboratory but have not been proven or applied outside of a controlled experimental laboratory environment.

(C) ELIGIBLE RESEARCH CENTER.—The term "eligible research center" means a collaborative research program among 2 or more research universities and 1 or more nonprofit research organizations or governmental research organizations, such as a national laboratory.

(D) SECRETARY.—The term "Secretary" means the Secretary of Energy.

(E) SMALL BUSINESS.—The term "small business" means a business of 100 or fewer employees, that has headquarters in the State that receives funding under this subsection, and has

received less than $10,000,000 from grants and third-party investors since its inception.

(F) RESEARCH UNIVERSITY.—The term "research university" means an institution of higher education, as defined in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)) that has an average annual research budget during the prior 3 years in excess of $35,000,000.

(2) GRANT PROGRAM.—Not later than 180 days after the date of enactment of this section, the Secretary, in consultation with appropriate representatives of industry, universities, Department of Energy national laboratories, and professional and technical societies, and after public notice and an opportunity for comment, shall promulgate regulations to carry out a competitive matching grant program for renewable energy technology maturation, commercialization, and research collaboration projects and programs. The grant program shall be divided into the following 3 program areas:

(A) TECHNOLOGY MATURATION GRANTS.—The Secretary may make grants to research universities to fund programs to carry out technology maturation projects to validate the re-

search university's early stage renewable energy technologies to enable licensing and adoption of such technologies by commercial renewable energy companies.

(B) ENTERPRISE DEVELOPMENT GRANTS.—The Secretary may make grants to authorized State agencies to fund programs that provide grants to emerging renewable energy technology small business enterprises to support, prepare, and assist those enterprises in the commercialization of renewable energy technologies. In reviewing applications an authorized State agency shall, at a minimum, require from an applicant small business enterprise the following:

(i) An analysis demonstrating that the scope of the project to be funded is sufficient to enhance the commercialization of 1 or more renewable energy technologies.

(ii) Evidence of a dedicated, matching source of moneys consisting of non-Federal sourced grants or funding from third-party investors.

(C) COLLABORATIVE INDUSTRIAL RESEARCH GRANTS.—The Secretary may make

grants to eligible research centers to fund pre-competitive shared renewable energy technology research programs that—

(i) are co-funded by private commercial companies that—

(I) are members of the eligible research centers;

(II) pay annual membership fees in cash; and

(III) participate in governance activities relating to the pre-competitive shared research;

(ii) address critical knowledge gaps or technology barriers common to the applicable renewable energy industry segment; and

(iii) will result in more efficient and cost-competitive renewable energy technologies.

(3) COST SHARING.—For grants made pursuant to this subsection, the Secretary shall require applicants to provide, from non-Federal sources, an amount equal to—

(A) for technology maturation grants and collaborative industrial research grants under

subparagraphs (A) and (C) of paragraph (2), 20 percent of the amount required for the program funded by the grant; and

(B) for enterprise development grants under subparagraph (B) of paragraph (2), 50 percent of the amount required for the program funded by the grant.

(4) PRIORITY.—The Secretary shall give priority to applications that include all 3 grant program areas under paragraph (2) as a coordinated package associated with a single State or regional nonprofit organization or research university.