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# Financing New International Environmental Commitments

102d Congress  
2d Session

JOINT COMMITTEE PRINT

# FINANCING NEW INTERNATIONAL ENVIRONMENTAL COMMITMENTS

KM -  
(FYL)  
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## R E P O R T

PREPARED FOR THE

COMMITTEE ON FOREIGN AFFAIRS  
U.S. HOUSE OF REPRESENTATIVES

AND THE

COMMITTEE ON FOREIGN RELATIONS  
U.S. SENATE

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**Pete V.  
Domenici**  
United States Senator

## TELECOPIER DATA SHEET

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SHARE

TO: Leon, Greg, Mike, Katie, and Alex  
FROM: Tina  
RE: MAY 7 DRAFT OF SHARE BILL

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May 6, 1992

While I tried to respond to your concerns, you will see that one suggestion I did not take was to spell out in detail the specific mechanisms. There are reasons for this (besides lack of time!)

Basically, this bill is intended to give Congressional blessing, and high level Administration support to activities which are already occurring.

There are numerous examples of scientists or government officials from foreign companies requesting help from the national labs. There are also some examples of U.S. industries being aware of problems/potential markets in other countries and contacting the labs. In most of these cases, the project development, initial technical review, and matching of project to lab/industry or university capability occurs without a hitch (via the normal science "network" -- since everyone (but Congress) is connected by email!) The problem comes when it needs some real money and political support. That is why the bill does specifically set up a mechanism for that (deputy secretary/working group), since that is what seems to be missing.

The industry cooperation part is also fairly vague---but I hesitate to include a lot of specific mechanisms since numerous other laws--including the pending labs bill, for example, cover these issues very specifically. A broad authorization for such activities is needed since we're still learning how to do lab-industry cooperation.

S. \_\_\_\_\_

Calendar No.

IN THE SENATE OF THE UNITED STATES -- 102D CONG., 2ND SESSION  
BILL intended to be proposed by Mr. DOMENICI (for himself, ...  
VIZ:

A Bill,

To establish a program for technology development "Shared  
Research and Development for Energy and the Environment" or  
S.H.A.R.E., utilizing the Department of Energy Laboratories.

## SECTION 2. FINDINGS, PURPOSE AND DEFINITIONS.

(a) FINDINGS. --Congress finds that --

- 1) The ongoing international environmental negotiations such as the preparations for the United Nations Conference on the Environment and Development, give the United States an opportunity to initiate a new era of international science and technology cooperation in which the Department of Energy and its National Laboratories play a key role.
- 2) The DOE Laboratories have demonstrated excellence in the areas of energy efficiency, energy supply and environmental research and other areas and this expertise and experience can be utilized for science and technology cooperation to protect and improve the global environment.
- 3) U.S. industry has demonstrated that it can team with the National Laboratories to jointly apply their scientific and

entrepreneurial expertise to resolving energy and associated environmental problems, particularly in developing and transitional countries.

(b) PURPOSES.--- The purpose of this Act are--

(1) to establish a program, " Shared Research on Energy and the Environment" to be referred to as "SHARE" as a vehicle for U.S. Cooperation in addressing global energy and environmental issues.

(2) to use the U.S. National Laboratories as a scientific resource in support of the United States national security and economic priorities in energy, environment and technological progress.

(3) to enhance U.S. technical competitiveness and expand international markets for U.S. capital goods in developing and transitional countries.

(4) to support the aforementioned goals by using the capabilities of the Department of Energy in coordination with

- U.S. industry, to ensure practical, cost-effective development and application of science and technology resource to support sustainable, environmentally sound industrialization

especially in cooperating countries;

- U.S. university partners, to utilize their broad capabilities in science research and application and to facilitate Laboratory--university collaboration;

(c) DEFINITIONS.-- For the purposes of this Act the term---

(1) "national laboratories: refers to the various Department of Energy multiprogram laboratories;

(2) Research and technology are defined in the broadest sense, including not only "hard" technology but also "soft" technology -- techniques, practices and "know-how"

(3) "cooperating countries" refers to moderately developed and transitional countries which possess sufficient infrastructure to benefit from shared research and technology development.

(4) "Department" refers to U.S. DOE;

(5) "Secretary" refers to the Secretary of the US DOE;

### SECTION 3. DOE MANAGEMENT

(1) Section 202(a) of the Department of Energy Organization Act (42 U.S.C. 7132(a)) is amended by inserting the following sub

section:

"(c) There shall be created in the office of the Deputy Secretary a program for Shared Research and Development on Energy and the Environment (SHARE) and the Deputy Secretary shall bear primary responsibility for the operation of this program. In particular the Deputy Secretary shall designate a technical coordinator to assure efficient intralaboratory coordination. The coordinator, which shall be located at a national laboratory, shall have demonstrated experience in both cost-shared international programs and DOE Laboratory-industry partnerships. The coordinator shall ensure full laboratory system utilization and cooperation in developing and carrying out SHARE programs.

SECTION 4. THE DEPARTMENT OF ENERGY PROGRAM FOR SHARED RESEARCH AND DEVELOPMENT ON ENERGY AND THE ENVIRONMENT.

(a) IN GENERAL. -- The Secretary shall encourage departmental laboratories to promote shared research and other cooperation on energy and the environment and other areas the Secretary finds will achieve the purposes of this Act.

(1) The SHARE program shall operate independently of U.S. foreign assistance programs and shall be funded either by an annual appropriation in the Department of Energy Budget. (OR ALTERNATE FUNDING)

(2) The Congress further declares that the SHARE program is

consistent with the Bush Administrations's proposed National Energy Strategy and Congressional determination to promote technology development and commercial application of the achievements of the United States National Laboratories.

(3) The SHARE program shall include qualified existing technology cooperation projects. Specifically, the Mexico City Air Quality Initiative and the Oak Ridge India Energy Project.

(4) The SHARE program may take part in studies to help developing countries and "economies in transition," prepare national inventories of greenhouse gas emissions and develop plans to control emissions as announced by the Administration.

(b) INITIATION OF PROJECTS. --

(1) Specific projects and tasks can be initiated via technical collaborations between U.S. and cooperating country scientists, planners, or government officials or by other means as appropriate.

(2) Where feasible, candidate projects shall involve cost-sharing between the national laboratory and the cooperating country.

(3) Where feasible, candidate projects shall involve a U.S. industry partner.

(c) INTERAGENCY WORKING GROUP. --

(1) To accomplish these goals, the Deputy Secretary shall cause to be organized a Working Group consisting of, in addition to the Deputy Secretary, representatives of the Department of State, Defense, Commerce, the Agency for International Development, the Office of Science and Technology Policy, the National Security Council, and the Environmental Protection Agency to prioritize and review SHARE proposals presented by the SHARE technical coordinator.

(2) The Working Group shall deliberate on, and cause to be initiated, technical cooperation between select U.S. National Laboratory participants and cooperating countries in the areas of energy, environment and other areas which fulfill the purposes of this Act.

(3) The Working Group shall invite such governmental, non-governmental and private sector participants as in the opinion of the Working Group may be useful to their determinations.

(4) The Working Group may invite specific technical and market potential reviews of SHARE proposals by non-governmental scientific and industrial advisory panels.

(f) FUNDING. - There is authorized to be appropriated for the

Shared Research on Energy and Environment program \$25,000,000 for each of four years beginning in fiscal year 1993.

ALTERNATE PROPOSAL (WOULD ALSO CHANGE (a) (1)

or by a set aside, not to exceed five percent of participating national laboratory budgets.