

Department of Energy

An Assessment of the Value of a Nonprofit Foundation to Promote Department of Energy Technology Transfer to the Market Place

NATIONAL ACADEMY OF PUBLIC ADMINISTRATION

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BACKGROUND

In recent years, Congress has created a number of agency-related nonprofit research foundations to provide a flexible, efficient method to establish and enhance public-private research and development partnerships. The Conference Report on the Energy and Water Appropriations Act for Fiscal Year 2020 directs the Department of Energy (DOE) to provide to the Committees on Appropriations of both Chambers of Congress a report on the value of creating a nonprofit foundation with requirements as outlined in the House and Senate Reports. The referenced Reports direct the DOE to contract with the National Academy of Public Administration (the Academy) to convene an expert Panel and issue a report regarding the value of creating a nonprofit foundation to assist the Department to advance its mission of addressing the nation's energy, environmental and nuclear challenges through transformative science and technology solutions.

PROJECT DESCRIPTION

As directed, the Academy will support the DOE with a detailed examination of agency-related nonprofit research foundations. This analysis, among other aspects, will include:

- An independent assessment, led by a Panel of Academy Fellows, of the value of a nonprofit foundation to promote technology transfer through DOE programs and laboratories to the marketplace and for the broader public benefit.
- An examination of comparable foundations at other Federal agencies, with detail on their structure and governance and how they engage with the private sector to enhance ongoing and new efforts supporting the research, development, demonstration, and commercial application of innovative technologies.
- An analysis on whether the DOE laboratory foundations associated with the DOE National Laboratories would be complemented by a DOE foundation and any anticipated challenges associated with such an effort.

The Academy has assembled a Panel of Fellows to oversee and guide this study.

PANEL

Peter Winokur (Chair)*, President & Founder, Integrated Safety Solutions, LLC; Chairman Emeritus, Defense Nuclear Facilities Safety Board; Former Chairman, Defense Nuclear Facilities Safety Board; Senior Policy Analyst, National Nuclear Security Administration; Congressional Fellow, Office of Senator Harry Reid; Manager, Radiation Technology & Assurance, Sandia National Laboratories; President, IEEE Nuclear and Plasma Sciences Society; Member, IEEE-USA Board of Directors; 40 years of experience as a scientist and engineer in the field of radiation effects science, technology, and hardness assurance in support of military and space systems. Fellow, Institute of Electrical and Electronic Engineers and American Physical Society.

Dan Arvizu*, Former Director, National Renewable Energy Laboratory; Executive Vice President, Midwest Research Institute; Senior Vice President and Chief Technology Officer, Federal and Industrial Client Groups, CH2M HILL Companies; Executive, Sandia National Laboratories; Engineer, Customer Switching Laboratory, AT&T Bell Telephone Labs.

Mridul Gautam*, President, Nevada Research and Innovation Corporation; Vice President for Research and Innovation, Research & Innovation, University of Nevada, Reno; Professor, Mechanical Engineering, University of Nevada, Reno; Associate Vice President for Research, Office of Research and Economic Development, West Virginia University; Vice President WVU Research Corporation, West Virginia University; Professor, Mechanical Engineering, West Virginia University; Associate Professor Mechanical Engineering, West Virginia University; Assistant Professor, Mechanical Engineering, West Virginia University.

Beth Gazley*, Professor, School of Public & Environmental Affairs, Indiana University-Bloomington; Senior Associate, The Parisky Group Consulting Firm; Development Officer, Office of Development and Alumni Relations, University of New Haven; Membership Services Manager, Business Executives for National Security Inc.

James Hendler*, Professor, Computer Science, Rensselaer Polytechnic Institute; Professor, Computer Science, University of Maryland; Program Manager/Chief Scientist (IPA), Information Systems, Def Advanced Research Projects Agency (DARPA); Open Data Advisor, New York State (unpaid), NYS Government; Internet Web Expert (unpaid), Data.gov project, IPA to GSA, working w/OSTP; Member Advisory Committee, Homeland Security Science and Technology Adv. Comm, DHS; Board Member, Board on Research Data and Information, National Academy Sciences, Engineering and Medicine; Director's Advisory Committee Member, Nat'l Security Directorate, Pacific Northwest National Laboratories.

Richard Callahan*, Professor, School of Management and Chair, Department of Public and Nonprofit Administration, University of San Francisco. Visiting Scholar, Center for California Studies, California State University, Sacramento. Co-Director, Sierra Health Foundation Leadership program. Former Principal Partner, TAP International Consulting; Visiting Researcher, Campion Hall, Oxford University; Former positions at University of Southern California: Associate Dean and Director State Capital and Director of Leadership Programs, School of Policy, Planning, and Development; Assistant Dean and Director of USC State Capital Center, Sacramento School of Policy, Planning, and Development; Chief Administrative Officer of Sacramento Center, School of Policy, Planning, and Development. Former Chief Administrative Officer, Five Branches Institute; Township Business Administrator, Cherry Hill, New Jersey.

PROJECT STAFF

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