

Agency Priority Goal Action Plan

Stand up a new public-private partnership pilot program at DOE for national laboratory innovation

Goal Leader:

Conner Prochaska, Director, Office of Technology Transitions

Theme(s): General Science, Space and Technology

Overview

Goal Statement

Stand up a new public-private partnership pilot program at DOE for national laboratory innovation. DOE will:

- By September 30, 2018, develop an inventory of the Department's existing commercialization programs and relevant statutory authorities, and document best practices, common challenges and resource requirements; and
- By September 30, 2019, design a pilot commercialization program template in conjunction with the national laboratories

Challenge

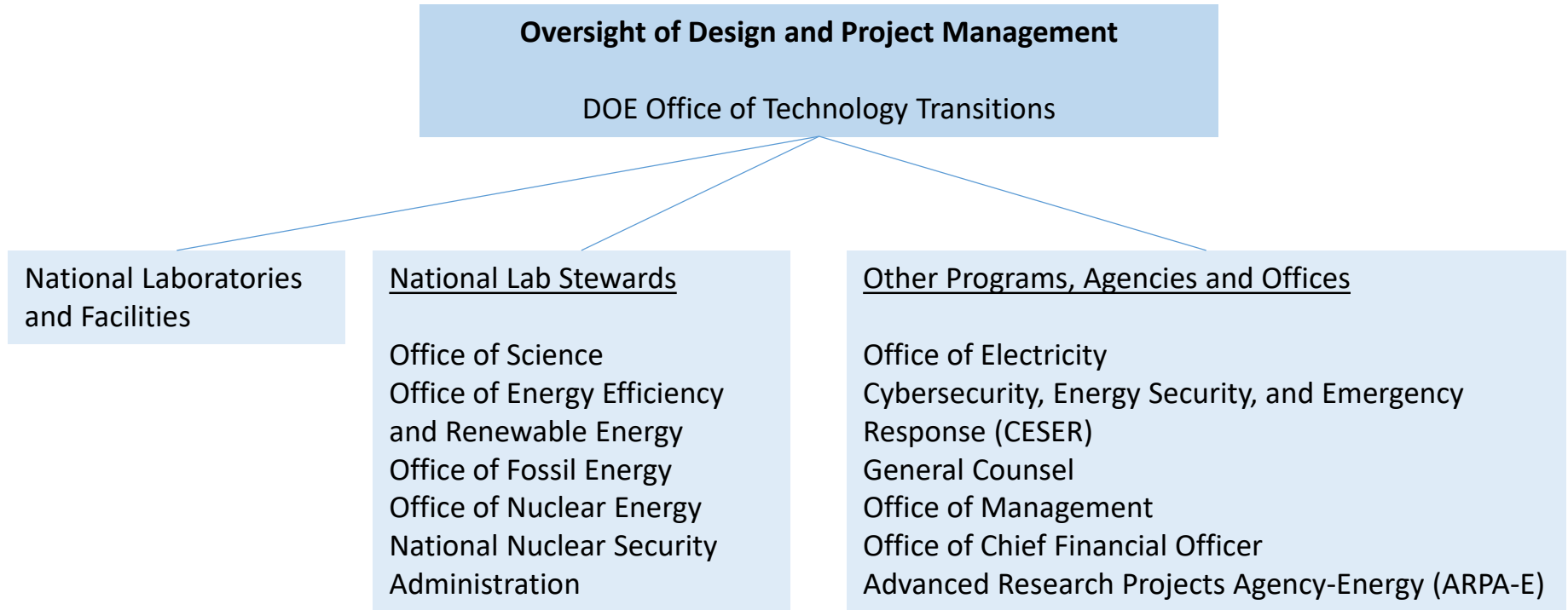
The DOE National Labs generate extensive technologies that, with the right incentives can generate significant positive economic impact for the U.S. through partnerships with industry, small business and entrepreneurs

Opportunity

Identify and facilitate expanded and more streamlined commercialization pathways for enterprising private individuals and entities to access laboratory assets for basic and applied research and to deploy laboratory technologies in the marketplace.

Leadership

Core Team:



Goal Structure & Strategies

Inventory

For DOE commercialization programs and laboratory technology development assets, OTT is developing inventories of previous, existing and proposed resources and will document best practices.

Tool for Analysis

From these inventories, attributes will be reviewed for likely correlation with acceleration of technologies from the lab to market. These attributes, in association with their activities, will be extracted and compiled into a meaningful, directory that will inform internal commercialization program design.

Design of Pilot

This information will inform analysis for development of a design for a new public-private partnership pilot program to accelerate movement of National Laboratory innovation to market.

The design for a proposed public-private partnership pilot was completed by September 30, 2019.

Summary of Progress – Final

Inventory Development and Analysis, Pilot Program Design

The Office of Technology Transitions (OTT) conducted a survey to develop an inventory of commercialization programs, initiatives, and activities across the DOE complex.

OTT completed an analysis of existing programs and identified several gap areas: 1) access for small business and startups to National Laboratory assets; 2) utilization of National Laboratory intellectual property (IP) in the private sector; 3) utilization of the Laboratory Partnering Service; 4) technology-area-independent prizes and challenges; 5) technology-area-independent technology maturation funding; 6) technology maturation of National Laboratory IP; and 7) DOE-wide entrepreneurial workforce and culture development.

Based on these learnings, OTT designed public-private partnership pilot programs to address identified gap areas.

Statement of Goal Achievement and Next Steps

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and
- By September 30, 2019, design a pilot commercialization program template in conjunction with the national laboratories **Met**

APG Status: **Achieved**

Next Steps:

- Does DOE have an FY 2020-2021 APG in this topic area? **Yes**

Key Milestones

OTT continues to provide consultation to and is coordinating with the Department of Commerce/NIST on its Return on Investment Initiative designed to streamline and accelerate the transfer of technology from Federal Laboratories and federally-funded R&D at universities, with particular emphasis by OTT on reviewing the draft Green Paper and the intended actions to modernize technology transfer laws and regulations as they pertain to DOE practices and challenges.

Milestone Summary		
Key Milestone	Milestone Due Date	Milestone Status
Inventory of relevant statutes	Q3, FY18	Complete
Annotation of relevant statutes	Q4, FY18	Complete
Inventory of resources	Q4, FY18	Complete
Inventory of best practices	Q4, FY18	Complete
Lab Partnering Service launch	Q4, FY18	Complete
Technology Commercialization Fund Evaluation	Q1, FY19	Complete
Analysis of attributes of resources for pilot design	Q2, FY19	Complete
Deliver design of pilot	Q4, FY19	Complete

Additional Information

Contributing Programs

Organizations:

- Program Offices: Technology Transitions (TT), Electricity, Science, Energy Efficiency and Renewable Energy, Fossil Energy, Nuclear Energy
- Support Offices: Chief Financial Officer, General Counsel, Management
- National Nuclear Security Administration, Advanced Research Projects Agency-Energy

Program Activities:

- TT co-chairs the Office of Science and Technology Policy/National Science and Technology Council (NSTC)/Lab-to-Market (L2M) subcommittee
- TT obtains input from and coordinates with other federal departments and agencies on their commercialization and technology transfer activities through L2M and other inter-agency activities

Regulations: N/A

Tax Expenditures: N/A

Policies: N/A

Other Federal Activities: National Institute of Standards and Technology Return on Investment Initiative
NSTC L2M Cross Agency Priority Goal

Stakeholder / Congressional Consultations

- National Labs
- OSTP, NSTC, L2M