U.S. DEPARTMENT OF ENERGY

Office of
ENERGY EFFICIENCY & RENEWABLE ENERGY

Overview of Technology-to-Market Activities & Small Business Voucher Program

2019 Wind Program Peer Review

Alexsandra Lemke | Sr. Advisor, External Affairs

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Wind Office Strategic Priorities

Clean, low-cost wind energy options nationwide

	Land-Based Wind	Offshore Wind	Distributed Wind
Technology Development & Scientific Research	Atmospheric Science & Wind Plant Systems Engineering	Atmospheric Science & Wind Plant Systems Engineering	Atmospheric Science
	Standards and Certification	Standards and Certification	Standards and Certification
	Technology Innovation	Technology Innovation	Technology Innovation
	World Class Testing Facilities	World Class Testing Facilities	
	Tech to Market Commercialization	Tech to Market Commercialization	
	Integrated Systems Design	Integrated Systems Design	
		Offshore Specific R&D	
		Advanced Technology Demo Projects	
Market Acceleration & Deployment	Advanced Grid Integration	Advanced Grid Integration	Advanced Grid Integration
	Workforce and Education Development	Workforce and Education Development	Workforce and Education Development
	Stakeholder Engagement	Stakeholder Engagement	Stakeholder Engagement
	Environmental Research	Environmental Research	
	Siting & Wind Radar Mitigation	Siting & Wind Radar Mitigation	
Analysis & Modeling	Evaluate and Prioritize R&D	Evaluate and Prioritize R&D	Evaluate and Prioritize R&D
	Model Development and Maintenance	Model Development and Maintenance	Model Development and Maintenance
	Techno-economic Analysis	Techno-economic Analysis	Techno-economic Analysis
	Electricity Sector Modeling	Electricity Sector Modeling	Electricity Sector Modeling

About the Tech-to-Market Program

Mission: Focus on strengthening the innovation ecosystem by eliminating common barriers that prevent market exploration of new energy technologies.

Market Readiness

- Tech-to-Market programs bring the business mindset into the lab and increase collaboration with industry so that American innovations can be evaluated by the market

Resource Access

- Lower the barriers to the capital and physical resources needed to drive economic growth through energy technology innovation.

RE-IMAGINING CLEAN ENERGY INNOVATION.

FOR MORE INFORMATION GO TO:
https://energy.gov/eere/technology-to-market/lab-impact

Tech-to-Market Strategy

Mission: Tech-to-Market is committed to the following guiding principles that shape and inform our activities

01 Identify
We identify breakdowns and inefficiencies along the commercialization pathway by engaging the innovation community

02 Pilot
We pilot experimental models and programs that address these breakdowns and inefficiencies

03 Evaluate
We evaluate the impact and outcomes, stop or expand programs, and communicate lessons learned
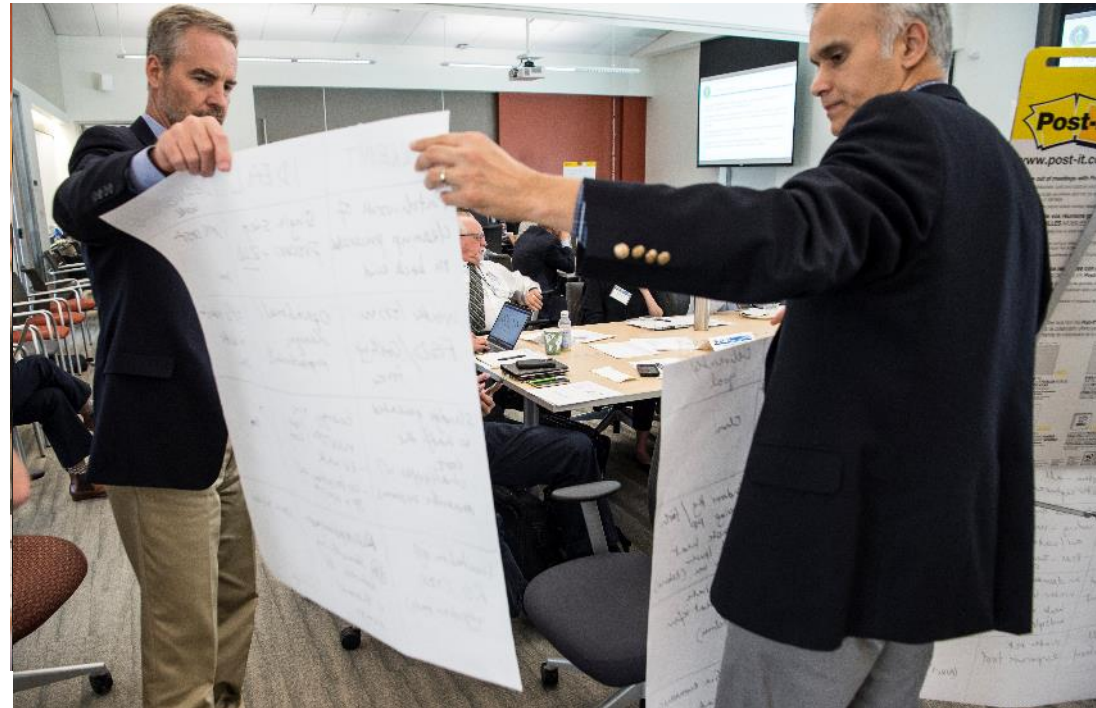
04 Institutionalize
For models that work, we determine where they can be most successful and work toward achieving that goal

Advancing Wind Industry Innovation through Collaboration

Mission: Offer a unique opportunity to network and engage in substantive discussions about how federally funded research can address the industry's R&D needs and challenges.

- Wind Industry R&D Market Survey: Understanding pathways to innovation

- Wind Industry Partnership Summit: Working together to move the wind industry forward.
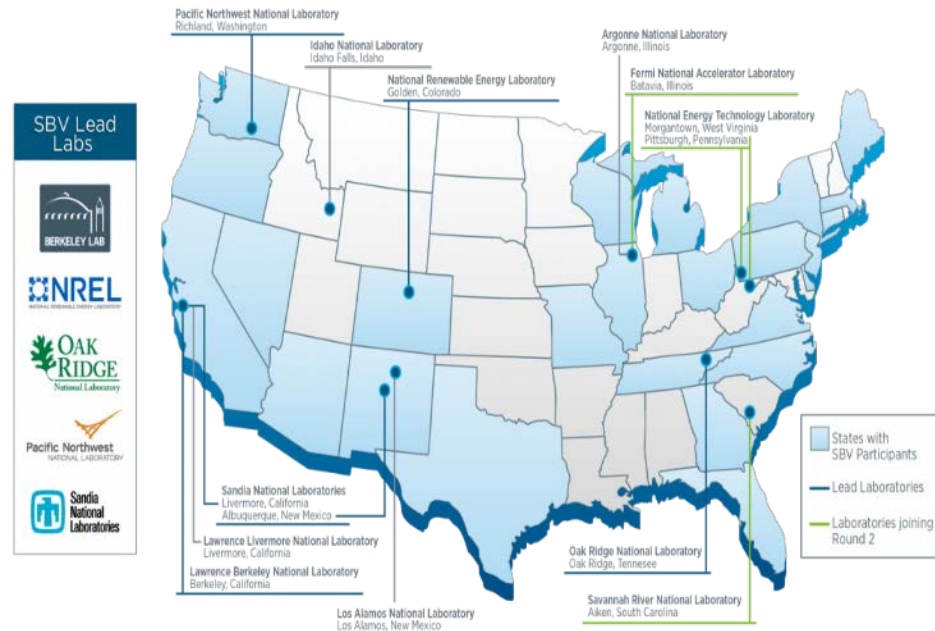
Small Business Vouchers Pilot (SBV)

Provided U.S. small businesses with an unparalleled access to the expertise and facilities of the national labs for technology development and commercialization

HOW IT WORKS

- Over the course of the pilot, EERE provided vouchers, up to $300,000 in value, to small, clean energy businesses to access world-class national lab equipment and expertise.

- Three small businesses received targeted development, validation, and demonstration assistance from NREL and Sandia

SBV Lead Labs

BERKELEY LAB

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

OAK RIDGE
National Laboratory

Pacific Northwest
NATIONAL LABORATORY

Sandia
National
Laboratories

Pacific Northwest National Laboratory
Richland, Washington

Idaho National Laboratory
Idaho Falls, Idaho

National Renewable Energy Laboratory
Golden, Colorado

Argonne National Laboratory
Argonne, Illinois

Fermi National Accelerator Laboratory
Batavia, Illinois

National Energy Technology Laboratory
Morgantown, West Virginia
Pittsburgh, Pennsylvania

Sandia National Laboratories
Livermore, California
Albuquerque, New Mexico

Lawrence Livermore National Laboratory
Livermore, California

Lawrence Berkeley National Laboratory
Berkeley, California

Los Alamos National Laboratory
Los Alamos, New Mexico

Oak Ridge National Laboratory
Oak Ridge, Tennessee

Savannah River National Laboratory
Aiken, South Carolina

States with SBV Participants
Lead Laboratories
Laboratories joining Round 2

FOR MORE INFORMATION VISIT:
energy.gov/eere/technology-to-market/small-business-vouchers-pilot