

OTT's Mission

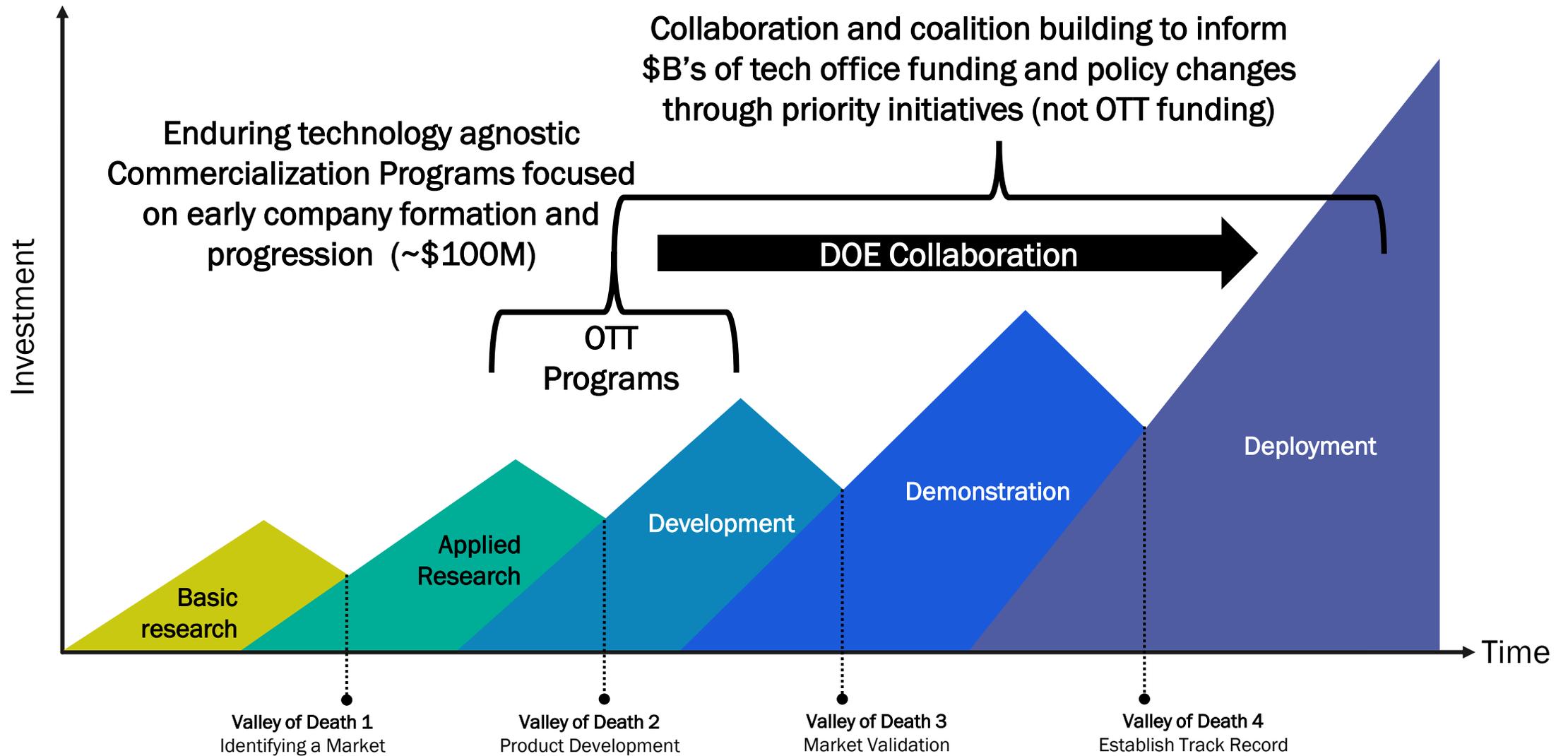
“to expand the commercial impact of the research investments of the Department”

&

to drive private sector uptake of clean energy technologies

**Steward
commercialization
across the DOE**

OTT's Two-pronged Strategy



Established and New Partnership Pathways at the DOE

Established Partnerships

- Funding Opportunity Announcement (FOA)
- Small Business Innovation Research (SBIR)
- Memorandum of Understanding (MOU)
- Cooperative Research and Development Agreement (CRADA)

Excellent for prescriptive and focused challenges. Leverages DOE's significant scientific and technical expertise.

OTT's Innovative Partnership Mechanisms (IPM) Team is focused on providing resources to leverage these new partnerships

DOE PARTNERING PATHWAYS

New and Innovative Partnerships

- **ENERGYWERX (ENWX)**
- **American Made Challenges (AMN)**
- **Foundation for Energy Security and Innovation (FESI)**

Excellent for engaging new actors and forming complex networks. Provides flexibility to tackle market-centric challenges.

ENERGYWERX & American Made Challenges

New DOE Commercialization Programs with **ENERGYWERX** and **American Made Challenges**

DOE is launching new programs through **ENERGYWERX** and **American Made Challenges** to increase opportunities to nontraditional performers

These new DOE funding opportunities target...

- Startups
- Small Businesses
- Small & Medium Manufacturers
- Universities & Community Colleges
- Community-based Organizations
- States, Local Governments, Tribes, and other Authority Having Jurisdictions (AHJs)



energywerx.org

AMERICAN
MADE

CHALLENGES

U.S. DEPARTMENT OF ENERGY

americanmadechallenges.org

Priority Commercialization Activities

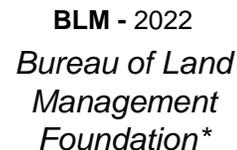
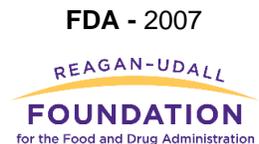
Organizations seeking the following services or who have expertise as a provider for these services are potentially well-suited to engage in the current and future ENWX opportunities:

- **Matchmaking**
- **Convening stakeholders**
- **Lab vouchers and rebates**
- **Rapid prototyping**
- **STEM education activities**
- **Workforce development**
- **Community engagement**
- **Outreach, training, and events**
- **Local and regional deployment**
- **Technology/Horizon Scanning**

Foundation for Energy Security and Innovation (FESI)

Who and What are Agency-Related Foundations?

12 existing agency-related foundations:



Agency-related foundations are ***independent nonprofit organizations.***

Due to their enabling legislation, government funding, and close relationship with the agencies, agency-related foundations are “quasi-governmental” in nature.

On average, the twelve existing Agency-related foundations return **\$67 for every dollar** in federal contributions.¹

Why do Agency-Related Foundations Matter?

Operational Benefits

- Flexible and efficient mechanisms for public-private partnerships (PPPs);
- Quick response to unexpected and unanticipated opportunities; and
- Ability to advocate;

Financial Benefits

- Ability to solicit, accept and use private donations;
- Ability to invest; and
- Stable funding during federal budget tightening and uncertainty;

External Benefits

- Enhance Agency visibility of mission to new stakeholders (e.g., corporate foundations);
- Create joint-funding programs from multiple federal Agencies;
- Attraction of new types of talent and expertise.
- Convene and manage advisory committees and/or consortia; and
- Organize and host meetings, forums, conferences, and other events

Potential Ideas From Other Foundation Models

Invest in companies commercializing agency-funded and other critical energy technologies

- Leveraging the In-Q-Tel model as well as those from the non-profit space

Bring in private donations to help fund and support agency-led initiatives and programs

Tackle systemic and widely distributed federal, state & local deployment challenges
e.g. Siting and permitting, assistance with the \$200B in IRA energy-related tax subsidies, etc.

Host showcase events to help bring greater visibility to agency-funded technologies

Support underrepresented groups and regions for participation in agency FOAs

Establish and manage formalized consortia in key clean energy transition sectors

- Leveraging the FNIH Biomarkers Consortium model

Collaborate with and convene the National Laboratory-Associated Foundations



Questions?

Mary.Yamada@hq.doe.gov

FESI Request for Information

In February, DOE launched a public RFI seeking input on potential objectives and activities for DOE engagement with the FESI.

- The responses received through this request will help to inform DOE's efforts to formally establish FESI and to help understand its key opportunities
- 30+ responses from industry experts
- Summary document being generated by FESI Working Group that identifies emergent themes and opportunity areas



Department of Energy

DOE Launches Foundation for Energy Security and Innovation

FEBRUARY 9, 2023

FESI Workshop

The FESI Working Group leveraged the March ARPA-E Summit to host a workshop

- We collected input and discussed **potential use cases** to inform the prioritization of engagement models and opportunities for DOE to partner with the FESI
 - Science and Technology (S&T) Infrastructure
 - Community Engagement
 - Demand–Side Support
 - Siting and Permitting
- For each use case, we explored:
 - **Feasibility**
 - **Impact**

50+

Energy leaders in attendance

