
Office of Strategy and Technology Roadmaps (OSTR)

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(\$K)

FY 2025 Enacted	FY 2026 Enacted	FY 2027 Request	FY 2027 Request vs FY 2026 Enacted
-	-	3,000	+3,000

Proposed Appropriation Language

For Department of Energy administrative expenses necessary for activities related to the coordination of Department programs involving critical and emerging technologies and the development of technology roadmaps in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), \$3,000,000 shall be available until September 30, 2028.

Mission

The Office of Strategy and Technology Roadmaps (OSTR) centrally coordinates all Department activities related to critical and emerging technologies, providing strategic guidance for DOE’s R&D through technology roadmapping. This mission encompasses collaboration across DOE programs, the 17 National Laboratories, and with interagency and external partners to ensure alignment with national priorities and strategies. In this capacity, the Office plays a key role in driving coherence across the Department’s efforts in science, energy, and national security, improving its ability to plan, coordinate, and execute priority technology investments. OSTR achieves this by building on its coordination activities and deeply integrating technology roadmap development. These roadmaps, developed through horizon scanning and in close consultation with internal and external stakeholders, clarify roles and responsibilities, establish benchmarks, identify strategic priorities, and inform future DOE investments. By aligning efforts across the Department, OSTR ensures a unified and efficient approach that optimizes funding allocation, prevents unnecessary duplication of efforts, and advances DOE mission objectives.

Overview

OSTR has primary responsibility for coordinating across the Department and national laboratories to leverage the DOE complex’s world-class expertise, facilities, and capabilities in artificial intelligence (AI) and machine learning (ML), quantum information science and technology, and other critical and emerging technologies. The Director of OSTR also serves as the DOE’s Deputy Chief AI Officer and is responsible for supporting the responsible AI adoption and governance within the Department.

Salaries and Benefits support federal employees at Headquarters who provide executive management and analysis for the effective coordination of critical and emerging technologies at DOE. OSTR’s staffing efforts focus on developing an interdisciplinary team of experts with the requisite skills to ensure that DOE’s capabilities in critical and emerging technology are leveraged across the Department, the interagency, and external stakeholders. Staff will include leads on critical and emerging technologies, supported with detailees from programs and/or the national laboratories.

Travel includes transportation, per diem, and incidental expenses allowing OSTR to effectively deliver on its mission. Major drivers of travel include support for internal and external workshops and other stakeholder engagements, support for DOE leadership engagements on critical and emerging technologies, and activities to advance strategic technology partnerships with industry and other stakeholders.

Support Services include contractor support to perform administrative and analytical tasks in support of

OSTR’s mission. In addition, support services include assistance with communications and outreach to enhance external communications and engagement and support from internship programs. The Request also includes contractor support to perform administrative and analytical tasks in support of OSTR’s mission.

Other Related Expenses include DOE’s Working Capital Fund support, Energy Information Technology Services (EITS), office furniture, general and advanced training, security clearances, and other miscellaneous expenditures.

Highlights of the FY 2027 Budget Request

This budget request accounts for increased on-board FTE to effectively execute OSTR’s coordination function and to lead the development of technology roadmaps. The FY 2027 request will ensure that the Department has a capable federal team to effectively work across the DOE complex, interagency partners, and external stakeholders to advance American leadership in critical and emerging technologies.

Program Direction (\$K)

	FY 2025 Enacted	FY 2026 Enacted	FY 2027 Request
Salaries and Benefits	-	-	1,840
Travel	-	-	90
Support Services	-	-	360
Other Related Expenses	-	-	710
Total, Program Direction	-	-	3,000
Technical Support	-	-	360
Total, Support Services	-	-	360
Other Services	-	-	45
EITS Desktop Services	-	-	265
WCF	-	-	400
Total, Other Related Expenses	-	-	710
Federal FTEs	-	-	8

Program Direction
Activities and Explanation of Changes
(\$K)

FY 2026 Enacted	FY 2027 Request	Explanation of Changes FY 2027 Request vs FY 2026 Enacted
Program Direction -	3,000	+3,000
<i>Salaries and Benefits -</i>	<i>1,840</i>	<i>+1,840</i>
	For 8 FTEs at HQ to provide management and coordination across the DOE complex.	Increased due to establishment of office and the addition of 8 FTEs to help coordinate across the Department on critical and emerging technologies such as AI and quantum information science.
<i>Travel -</i>	<i>90</i>	<i>+90</i>
	Includes transportation, subsistence, and incidental expenses for both international and U.S. travel that allow OSTR to effectively facilitate its mission.	Increased due to establishment and reflective of FTE count and in-person travel needs.
<i>Support Services -</i>	<i>360</i>	<i>+360</i>
	Support fellows and detailees to OSTR as well as support for budget, acquisition, human resources, communications, business systems, and administrative support needs.	Increased due to establishment.
<i>Other Related Expenses -</i>	<i>710</i>	<i>+710</i>
	Includes equipment and replacements, office furniture, minor construction, commercial credit card purchases using simplified acquisition procedures when possible, general and advanced training, and miscellaneous expenditures.	WCF, EITS, and general training costs associated with Federal workforce.

DEPARTMENT OF ENERGY

Funding by Site Detail

TAS_NEW_CET - Office of Strategy & Technology Roadmaps (OSTR) - FY 2027

(Dollars in Thousands)

	FY 2025 Enacted	FY 2026 Enacted	FY 2027 Request
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Washington Headquarters

Strategy & Technology Roadmaps Program	0	0	3,000
Total Washington Headquarters	0	0	3,000
Total Funding by Site for TAS_NEW_CET - Office of Strategy & Technology Roadmaps (OSTR)	0	0	3,000