

## **FUTURE ACTION ITEM #2**

WSU Pullman, Office of Research, Dodgen Hot Cell Facility,  
Project Budget Approval  
(Leslie Brunelli /Olivia Yang/Michael Wolcott)

TO ALL MEMBERS OF THE BOARD OF REGENTS

**SUBJECT:** WSU Pullman, Office of Research, Dodgen Hot Cell Facility, Project Budget Approval

**PROPOSED:** That the WSU Board of Regents approve the WSU Pullman, Dodgen Hot Cell Facility Project, with a total budget not to exceed \$8,500,000, authorize the project to proceed to design and construction, using the Design-Build (DB) process pursuant to RCW 39.10, and further delegate authority to the President or designee to enter into any and all contracts necessary to complete the project, within the budgeted amount.

**SUBMITTED BY:** Leslie Brunelli, Executive Vice President, Finance & Administration/CFO

**SUPPORTING  
INFORMATION:**

Much of the nuclear security related fundamental and applied research and development at WSU occurs within the Dodgen Research Facility (DRF), located in Pullman, WA. The DRF houses the Nuclear Science Center (NSC) which maintains oversight of WSU's 1.0 megawatt (MW) TRIGA research nuclear reactor, which is the only research nuclear reactor in Washington state and only one of four in the Pacific Northwest. The NSC at WSU has a mission of providing a collaborative environment where WSU faculty, staff, students, and clients can succeed in their basic and applied nuclear science research goals. The NSC accomplishes this mission through multidisciplinary teaching, research, and service endeavors designed to make high impact contributions to nuclear science, national and international security, nuclear non-proliferation, and emergency readiness exercises and training programs.

The proposed building addition (approximately 5,000 gsf) will be a concrete structure to match existing building materials and affix directly to the northeast portion of the DRF. This single-story addition will include a combination of space for up to three hot cells, a chemistry wet lab, and high bay storage, all serviced by an overhead crane. The building layout will maximize square footage on a single level floor system designed to accommodate up to three hot cells, each with a footprint of approximately 10' wide x 10' long, x 8' tall. The design and construction of

the new facility will need to accommodate nuclear hot cells that will be installed with a future project.

**Project Schedule:**

<b>Date</b>	<b>Step</b>
Nov. 2024	Request for Regents Future Action Project Budget Approval
Jan. 2025	Request for Regents Action for Project Budget Approval
Nov. 2024 – Jan. 2025	Design Builder Procurement
Feb. 2025	Design Begins
Apr. 2025	Request for Regents Future Action for Design Approval
Jun. 2025	Request for Regents Action for Design Approval
Jul. 2025	Construction Begins
Apr. 2027	Construction Complete

**Project Budget:**

Design and Preconstruction Services	\$1,000,000
Construction	\$5,800,000
Project Administration	\$600,000
Moveable Equipment/Furnishings	\$400,000
Other	\$200,000
Sales Tax	\$500,000
<b>Design and Construction Project Budget</b>	<b>\$8,500,000</b>

**Source of Funds**

The NSC, with support from the Office of Research and Facilities Services, has received a Federal grant for \$7,565,580 to fund the design and construction necessary for this project. The grant will be administered through the National Institute of Science and Technology (NIST). A second grant from the Department of Energy combined with additional local funding will cover the remaining anticipated project costs.

**ATTACHMENTS:** Attachment A – Aerial Site  
Attachment B – NIST Funding Award Obligation  
Slide Presentation

**Attachment A**



**Attachment B**

FORM CD-450 (REV. 10/18)	U.S. DEPARTMENT OF COMMERCE	X GRANT	COOPERATIVE AGREEMENT
<b>FINANCIAL ASSISTANCE AWARD</b>		<b>FEDERAL AWARD ID NUMBER</b>	
		60NANB24D125	
<b>RECIPIENT NAME</b> Washington State University		<b>PERIOD OF PERFORMANCE</b> 09/01/2024 - 08/31/2027	
<b>STREET ADDRESS</b> 240 French Administration Building		<b>FEDERAL SHARE OF COST</b> \$7,565,580.00	
<b>CITY, STATE ZIP</b> Pullman, WA 99164-0001		<b>RECIPIENT SHARE OF COST</b> \$0.00	
<b>AUTHORITY</b> Consolidated Appropriations Act, 2024		<b>TOTAL ESTIMATED COST</b> \$7,565,580.00	
<b>CFDA NO. AND NAME</b> 11.617 Congressionally-Identified Projects			
<b>PROJECT TITLE:</b> Hot Cell Facility Construction			
<p><b>This Award Document (Form CD-450) signed by the Grants Officer constitutes an obligation of Federal funding. By signing this Form CD-450, the Recipient agrees to comply with the Award provisions checked below and attached. Upon acceptance by the Recipient, the Form CD-450 must be signed by an authorized representative of the Recipient and returned to the Grants Officer. If not signed and returned without modifications by the Recipient within 30 days of receipt, the Grants Officer may unilaterally withdraw this Award offer and de-obligate the funds.</b></p> <p>X DEPARTMENT OF COMMERCE FINANCIAL ASSISTANCE STANDARD TERMS AND CONDITIONS</p> <p>R &amp; D AWARD</p> <p>FEDERAL-WIDE RESEARCH TERMS AND CONDITIONS, AS ADOPTED BY THE DEPT. OF COMMERCE</p> <p>X SPECIFIC AWARD CONDITIONS</p> <p>X LINE ITEM BUDGET</p> <p>X 2 CFR PART 200, UNIFORM ADMINISTRATIVE REQUIREMENTS, COST PRINCIPLES, AND AUDIT REQUIREMENTS, AS ADOPTED PURSUANT TO 2 CFR § 1327.101</p> <p>48 CFR PART 31, CONTRACT COST PRINCIPLES AND PROCEDURES</p> <p>MULTI-YEAR AWARD. PLEASE SEE THE MULTI-YEAR SPECIFIC AWARD CONDITION.</p> <p>X OTHER(S): U.S. DEPARTMENT OF COMMERCE, NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY STANDARD TERMS AND CONDITIONS FOR EXTRAMURAL CONSTRUCTION PROJECTS, MARCH 27, 2024</p>			
SIGNATURE OF DEPARTMENT OF COMMERCE GRANTS OFFICER		DATE	
SHIOU YUN LIU <small>Digitally signed by SHIOU YUN LIU Date: 2024.08.26 11:15:30 -0400</small> Shiou Liu		08/26/2024	
PRINTED NAME, PRINTED TITLE, AND SIGNATURE OF AUTHORIZED REPRESENTATIVE		DATE	
Dan Nordquist, Associate Vice President <small>Digitally signed by Dan Nordquist Date: 2024.09.06 14:13:45</small> Dan Nordquist		9/6/2024	

AVP/DVP, Authorized Official -07'00'