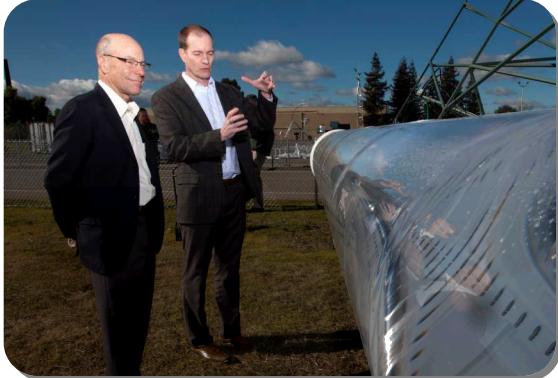


*Exceptional service in the national interest*



## The CREATE Project

### *Collaboration in Research and Engineering for Advanced Technology and Education*

To optimally meet mission needs, Sandia proposes the alternatively financed capital construction project CREATE on the Livermore Valley Open Campus (LVOC) at its California site (SNL/CA). The CREATE facility will further the LVOC vision of building strategic collaborations to enhance the laboratory's national security mission by providing an estimated 86,000 gross square feet of flexible office, light laboratory, and collaborative space. As part of the overall SNL/CA site development plan, CREATE also enables the optimal use of other site facilities.

#### **Enrich the nuclear weapons mission:**

- Increase unclassified collaborations in hydrogen science, cybersecurity, and engineering environments of the future.
- Shift appropriate unclassified work to the LVOC to support increased demands for Limited Area space.

#### **Enhance the security environment:**

- Build a single, efficient and robust point of entry/badging
- Clear separation between work performed in Limited, Property Protection, and General Access Areas (GAA).

#### **Mission Execution Benefits the CREATE**

##### *Collaborative space for open programs that enhance the nuclear weapons (NW) mission*

- **Hydrogen Science:** Sandia developed gas transfer systems technologies in part through unclassified interactions with universities and industry. Current work in the energy field, such as with hydrogen fueling infrastructure, builds materials expertise critical to safe and reliable classified applications.

- **Cybersecurity:** Within the NW supply chain, there is a growing awareness of cybersecurity issues in software and hardware systems. Most of this research and development occurs through unclassified interactions with domestic and international partners. Cybersecurity work focused on the LVOC will bring research and capabilities that will be used to develop new tools for classified programs.
- **Engineering Environments of the Future:** Advanced manufacturing laboratories and meeting rooms proposed for CREATE will house university and industry collaborations where new manufacturing technologies and tools will be evaluated for application to the NW program. Innovations from this program will be propagated throughout the Nuclear Security Enterprise via the Integrated Manufacturing Operations Group.

### *Relocating unclassified activities creates new Limited Area space for expanding NW work*

Sandia projects a significant increase in engineering workload to successfully execute new programs, including the B61-12, W88 ALT 370, W78/88-1, and Long Range Standoff programs. The increase in classified work on the SNL/CA site requires additional space in the Limited Area, requiring other functions to relocate to appropriate lower-security zones. To ensure uninterrupted operations, reduce long-term operational costs, and enhance capabilities while allowing for growth in critical national security programs, SNL/CA has an urgent need to develop its GAA space on the LVOC.

### *Realizing a robust and efficient SNL/CA*

#### *security environment*

CREATE will establish a new “front door” for the SNL/CA site and enable the Twenty-Five-Year Site Plan vision of a clearly graded security environment with well-defined geographic boundaries for each security area. Centralized badging will enhance efficiency and further improve security performance.

CREATE will also establish a welcoming entry to the CA site for visitors, a gathering area for all members of the workforce, and place administrative services in an appropriate and accessible location.

#### **Quick Facts:**

**Size:** ~86,000 gross square feet

**Status:** CD-0 Mission Need approved

**Expected execution model:** Alternative finance

**Estimated occupation:** FY16

**Sub-standard space elimination:** 55,000 sq. ft.

For more information about the CREATE project, please contact one of the following representatives:

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