

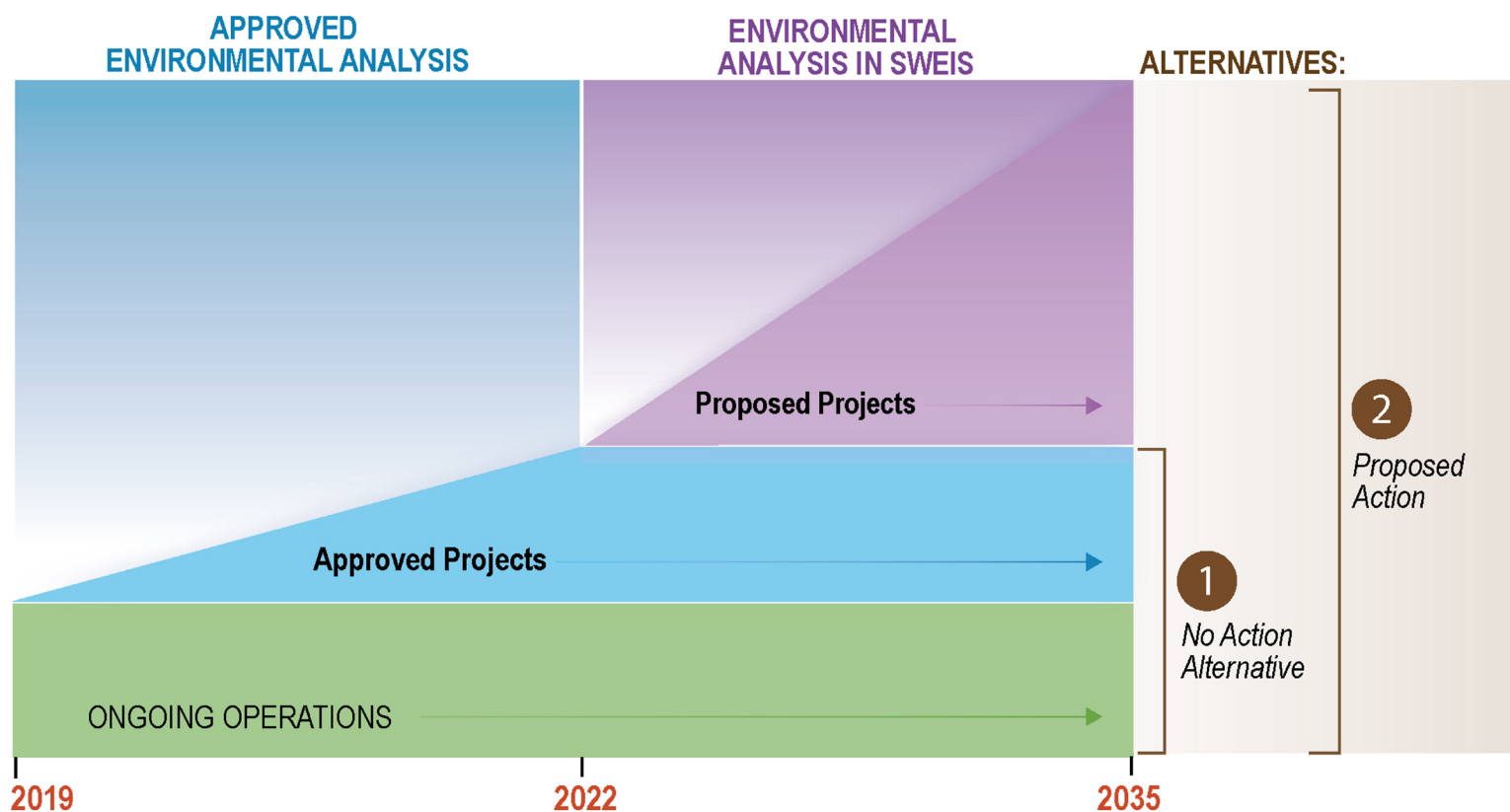
# LLNL SWEIS: Alternatives Analyzed

The National Nuclear Security Administration (NNSA), a semi-autonomous agency with the Department of Energy (DOE) has prepared this Draft Site-Wide Environmental Impact Statement (SWEIS) to evaluate the continued operation of Lawrence Livermore National Laboratory (LLNL).

The Draft LLNL SWEIS analyzes the potential environmental impacts of the reasonable alternatives for continued and proposed LLNL operations for approximately the next fifteen (15) years. This fact sheet describes the two alternatives that are analyzed in the Draft SWEIS.

Under the No-Action Alternative, NNSA would continue ongoing LLNL operations in support of assigned missions. It includes the programs and activities for which NEPA review is already done or underway through 2022. The No-Action Alternative provides a baseline for comparison with the environmental effects of the Proposed Action.

Under the Proposed Action, NNSA would continue operations described under the No-Action Alternative, as well as proposed new or modified facilities, operational changes, modernization/upgrade/utility projects, and DD&D of excess/aging facilities, that are reasonably foreseeable through 2035.



#### Approved & Proposed Projects include:

- New facility construction projects
- Modernization/upgrade of existing facilities, infrastructure, site utilities
- Operational changes
- Decontamination, decommissioning, and demolition (DD&D)

## **NO-ACTION ALTERNATIVE:**

The following projects would occur:

### New Facility Construction Projects:

- 19 new facility construction projects totaling 416,300 square feet, for which environmental (NEPA) review is already done or underway through 2022.
  - 18 projects at the Livermore Site; 1 at Site 300.

### Modernization/Upgrade/Utility Projects:

- 13 types of projects, including upgrades to infrastructure, computing capabilities, and seismic risk reduction.
- Site wide utility upgrades, including Arroyo Mocho pumping station

### DD&D Projects:

42 excess facilities, totaling 228,000 square feet. One of these facilities is located at Site 300.

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## **FOR MORE INFORMATION:**

Livermore Field Office: P.O. Box 808, Livermore, CA 94551  
(833) 778-0508

Copies of the Draft LLNL SWEIS are available for review at the Livermore Public Library, 1188 South Livermore Avenue, Livermore, California, and the Tracy Public Library, 20 East Eaton Avenue, Tracy, California.

Copies are available electronically at:

<https://www.energy.gov/nepa/doeeis-0547-site-wide-eis-continued-operation-lawrence-livermore-national-laboratory-livermore>



## **PROPOSED ACTION:**

The following projects are proposed:

### New Facility Construction Projects:

- 75 new projects, totaling 3.3 million square feet.
  - 61 projects totaling 2.9 million square feet, are proposed at the Livermore Site;
  - 14 projects, totaling 385,000 square feet, are proposed at Site 300.

### Modernization/Upgrade/Utility Projects:

- 20 types of modernization/upgrade/utility projects, including upgrades to the National Ignition Facility (NIF), seismic risk reduction, and site-wide utilities.

### DD&D Projects:

131 facilities, totaling about 1,153,000 square feet at the Livermore Site and 18 facilities, totaling about 17,000 square feet at Site 300.

### Operational Changes:

- Increase the tritium emissions limits at NIF and the Tritium Facility (Building 331). Note that: actual emissions from the Tritium Facility and NIF may not increase.
- Decrease the administrative limit for fuels-grade-equivalent (FGE) plutonium in the Superblock facilities.
- Increase the radioactive materials administrative limits, remaining below Hazard Category-3 limits per DOE-STD-1027 (2018)
  - NIF: Increase tritium limit from 8,000 Ci to 16,000 Ci.
  - NIF: Increase plutonium administrative limit to 38.2 grams.
  - B235: Increase Plutonium-239 administrative limit to 38.2 grams.

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## **HOW TO PROVIDE COMMENTS:**



**At the public meeting**



**By email:**  
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**By U.S. mail:**

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Comment period ends on  
**January 3, 2023**