SSM Project Environmental Review Process

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Environmental Planning

- Site Planning
- Sustainability / LEED
- Environmental Compliance
- Health & Safety Issues

NEPA

Department of Energy

CEQA
University of California



NEPA:

Categorical Exclusion

- No significant impacts
- June 25, 2019
- DOE NEPA Compliance Officer



U.S. Department of Energy Categorical Exclusion Determination Form

Seismic Safety and Modernization Project, Lawrence Berkeley National Laboratory (LB-CX-19-04)

Proposed Action Title:

Program or Field Office:

Bay Area Site Office Berkeley, California

Location(s) (City/County/State):

Action Description:

The U.S. Department of Energy (DOE) proposes to address several seismic and related safety issues at the Lawrence Berkeley National Laboratory (LBIA), Berkeley Lab, or the Lab) by undertaking the following actions demolish and reconstruct the Lab's current cafferia and conferencing center (BIdg. 54), relocate Health Services and Human Resources personnel to the new facility, reinforce portions of the Lab's Friednose (BIdg. 84), improve pedestrian and traffic couring in the Lab's 'Central Commons' area, and extend the Pared 21 ground lease. These actions would remove occupants from buildings with substandard seismic ratings while simultaneously securing facilities and personnel that have critical emergency functions. These actions would result in a marginal net increase in LBNL site facility space but would not be expected to increase the Lab's onsite population.

The proposed action would first demolish and remove Building 54, expected to commence around November, 2020. After demolition, a new "Wedcome Center" facility with releteria, conference, beath services, and offse functions sould be constructed in the previous building's location. The Welcome Center would include a new loading dock and parking area that would allow for more efficient use by shuttle buses, visitor drop-offs, delivery trucks, and pedestrians. Simultaneous to this work, a critical portion of the lab's on-site firehouse would be sessionically reinforced, the firehouse would remain in operation during this time. During SSM construction, cafeteria functions would be provided by commissioned flood trucks at one or more LiBM. locations. Upon completion of the new Welcome Center, cafeteria functions would be restored at the site. Approximately 16 Health Services personnel residing in Building 26 would be reclocated into the Welcome Center along with approximately 16 human resources personnel currently located in Building 90 and Building 65. Building 26 would be left vacant and would not be reused. The proposed action is expected to be completed by mid-2024.

The Welcome Center would be a two-story, approximately 45,000-square-foot, steel-frame structure stepped in the southwesterly-facing hillside of Brekeley Lab's "Central Commons" area. It would provide space for approximately 300 indoor cafeering guests, and approximately 100 indoor cafeering guests, and addition, outdoor cafeering senting would be provided for an additional 100 guests. The Welcome Center is designed for LEED Gold certification: it would include state-of-the-art kitchen and mechanical systems designed to reduce energy consumption; plumbing and low-flow fitures would deliver an expected 30-40% reduction in domestic water use. No hazards or hazardous waters (beyond ordinary office and kitchen-related hazards and chemicals in current use all Buildings 24, 48, and 26) would be stored, employed, or produced by the Welcome Center. Parking gapes would be similar to current conditions (about 65 stalls), but improved bus and pedestrian access would encourage alternate forms of transportation. Where practicable, protings of state of the contrast conditions of the case of the provided of the contrast conditions of the case of the

Building 54 was constructed in 1950 and was substantially altered, added onto, and/or remodeled in 1961, 1966, 1994, 1998, and 2005; it has been evaluated by a certified historian in 2012 and was found not to meet eligibility requirements for listing on the National Register of Historie Places (NRIP). Demolition would likely encounter small amounts of abetos and lead-based paints; these would be handled in accordance with applicable legal and regulatory requirements and the terms of a Bay Area Air Quality Management District demolition permit. Debris are expected to be transported to a permitted Class-2 landfill. Welcome Center construction is expected to involve 50-75 onsite quirement—are expected to number around 1,800; averaged over the lifetime of the project, this would be approximately 2-3 truck trips per workday. A stormwater construction project permit would be secured from the State Water Board and Regional Water Quality Control Board (including as Stormwater Pollution Prevention Plan), and a wastewater discharge permit from the East Bay Municipal Utility District might be needed to manage accumulated ground and rainwater.

Building 48 (the Firehouse) is a two-story, approximately 6,600-square-foot building that houses firefighet sleeping quarters on the second floor and administrative offices on the first floor (emergency vehicles are stationed in an adjacent garage building). The seismically substands second floor walls would be reinforced to increase sheer strength, the first floor was similarly reinforced about five years prior. Building 48 was constructed in 1981 and has been found, with State Historic Preservation Officer concurrence in 2003, to be ineligible for listing on the NRHP. Renovation would take approximately 6 months and would involve approximately 5 workers on site at any one time.



CEQA:

Environmental Analysis & Checklist

- Currently underway
- · CEQA §15168
- UC Regents decision September 2020

University of California Lawrence Berkeley National Laboratory

SEISMIC SAFETY & MODERNIZATION

Environmental Analysis and Checklist



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September 2020

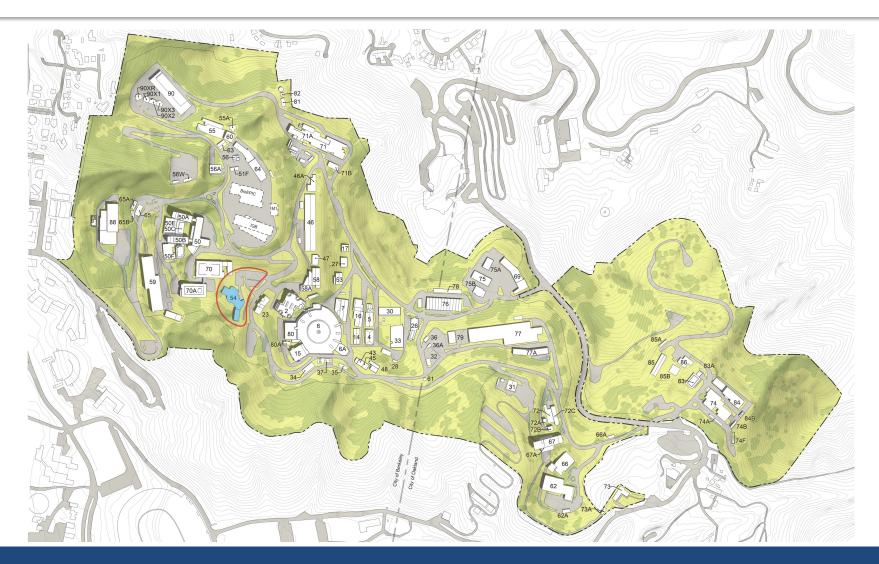




- Aesthetics & Visual Quality
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology, Soils, & Seismicity
- Greenhouse Gas Emissions
- Hazards & Hazardous
 Materials
- Hydrology & Water Quality

- Land Use, Plans & Policies
- Noise
- Population & Housing
- Public Services
- Traffic & Transportation
- Tribal/Native American Resources
- Utilities
- Wildland Fire
- Other CEQA Impacts
- Cumulative Impacts







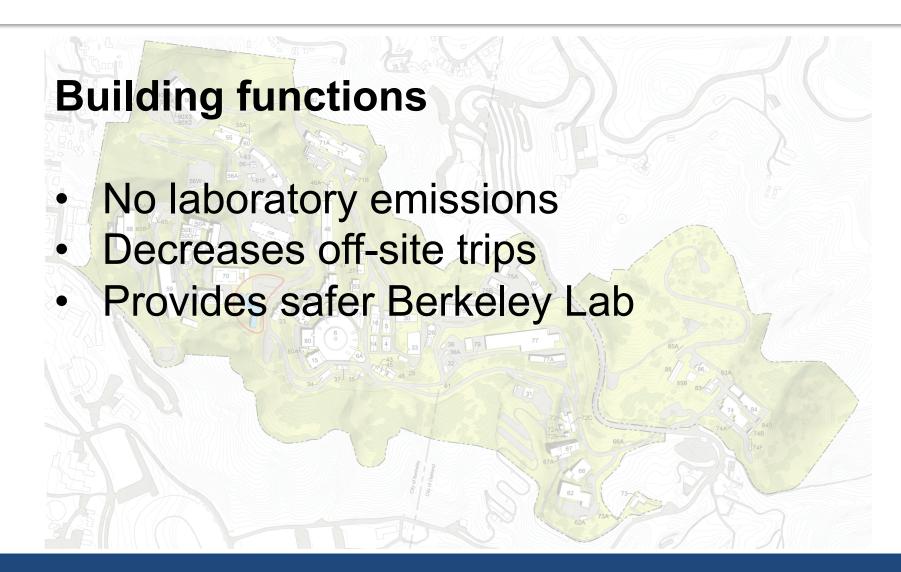


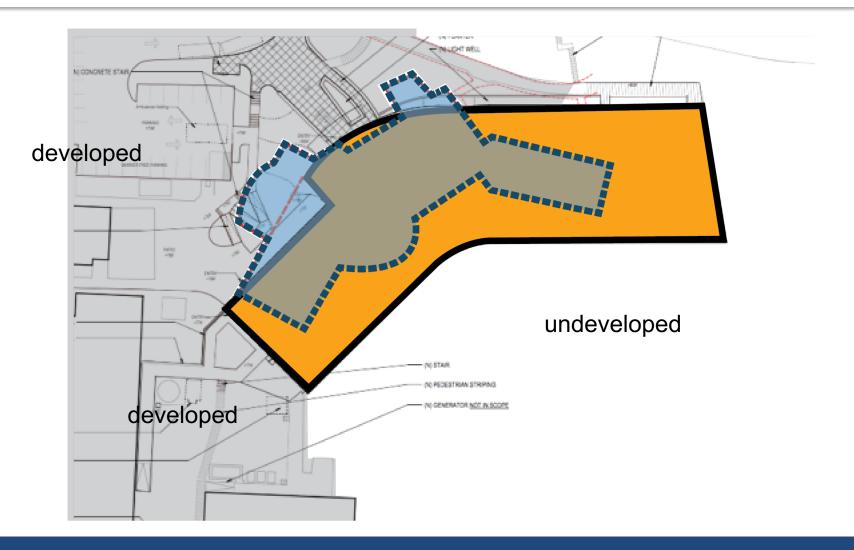
No population change Sustainable / LEED development

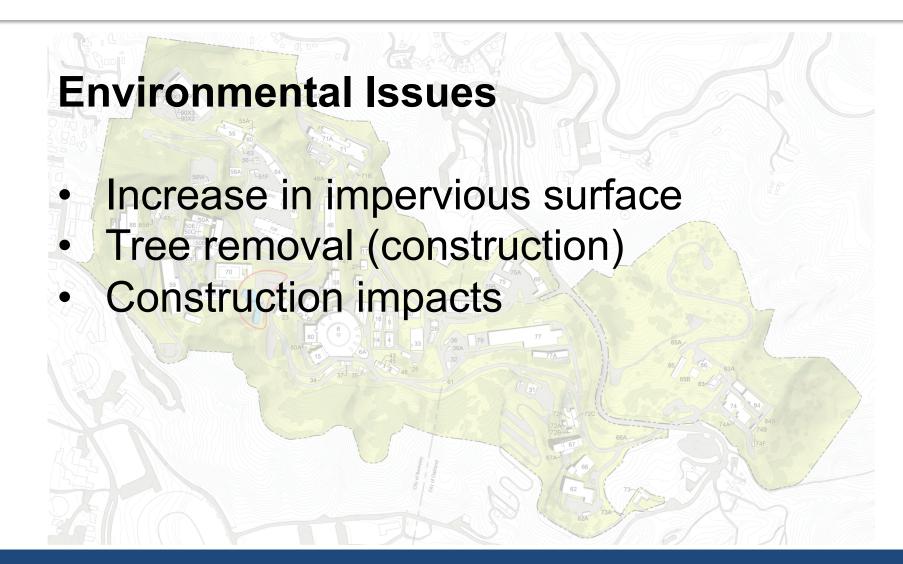
- Traffic
- Energy use
- Water consumption / utilities
- Waste stream

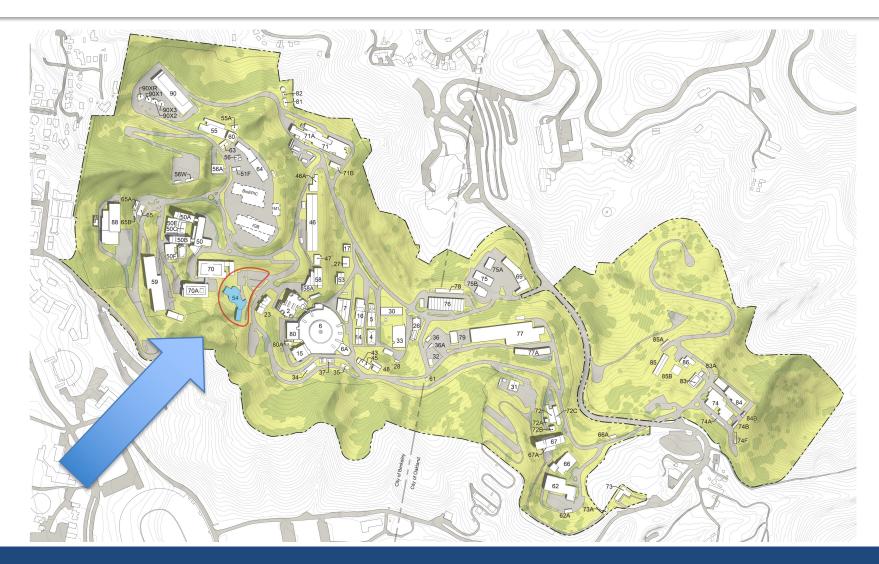
Rebuilding on developed site

- Land use
- Noise profile
- Geology, soils, and seismicity
- Hazards and Hazardous Materials













NEPA analysis:

Complete

CEQA analysis:

On-going

CEQA document available:

July/August 2020

Regents meeting:

September 2020



