



U.S. Department of Energy Categorical Exclusion Determination Form

Proposed Action Title: Construction and Operation of the Integrative Genomics Building at the Lawrence Berkeley National Laboratory LB-CX-15-03

Program or Field Office: Berkeley Site Office

Location(s) (City/County/State): Berkeley, California

Proposed Action Description:

The U.S. Department of Energy (DOE) proposes a project at the Lawrence Berkeley National Laboratory (LBNL) that includes: the design, construction and operation of a new Integrative Genomics Building (IGB) and a modular utility plant (MUP); the relocation of staff and programs to the IGB; and a contract modification to extend the term of the existing parcel leases for the IGB and MUP sites. Figure (1) shows the location of the proposed action on the LBNL site.

The proposed IGB would be an approximately 95,000-gross square-foot lab/office research building located in the B1 parking lot. It would be a four to five story building with a footprint of approximately 20,000 square feet and occupancy of approximately 330 staff and visitors.

Existing staff and programs in offsite facilities that would be relocated into the IGB include: Joint Genome Institute (JGI) in Walnut Creek, California and the DOE Systems Biology Knowledge-base (K-base) in Emeryville, California. JGI is an established leader in the field of genome sciences as applied to major problems in energy and the environment. Specifically, JGI is the primary DOE genome data generator and is unique in the U.S. for its orientation on non-medical, DOE mission science. JGI employs approximately 270 researchers and support staff. K-base is the major analysis platform supporting predictive biology; it enables data integration, data mining, and computational analysis of information currently being produced by rapid genomic sequencing and other high-throughput techniques of contemporary systems biology. The K-base employs approximately 20 research and support staff.

The proposed MUP would be an approximately 4,000 square foot utility plant that would house chillers and cooling towers.

The proposed contract modification would extend DOE's lease on parcels to be occupied by the IGB and MUP.

Categorical Exclusion(s) Applied:

- B1.24 - Property transfers
- B3.6 - Small-scale research and development, laboratory operations, and pilot projects
- B3.15 - Small-scale indoor research and development projects using nanoscale materials
- B1.31 - Installation or relocation of machinery and equipment
- B1.15 - Support buildings
- B1.33 - Stormwater runoff control
- B3.12 - Microbiological and biomedical facilities

For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, including the full text of each categorical exclusion, see Subpart D of 10 CFR Part 1021.

Regulatory Requirements in 10 CFR 1021.410(b): (See full text in regulation)

The proposal fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D.

To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar

requirements of DOE or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph 10 CFR Part 1021, Subpart D, Appendix B; (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph of 10 CFR Part 1021, Subpart D, Appendix B.

There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.

The proposal has not been segmented to meet the definition of a categorical exclusion. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

I concur that the above description accurately describes the proposed action.

LBNL Environmental Planner: Jeff Philliber  Date Determined: 4-17-15

I concur that the above description accurately describes the proposed action.

BSO Project Manager: Hemant Patel  Date Determined: 4/16/15

The above description accurately describes the proposed action, which reflects the requirements of the CX cited above. Therefore, I recommend that the proposed action be categorically excluded from further NEPA review and documentation.

BSO NEPA Program Manager: Kim Abbott  Date Determined: 4/20/15

Based on my review of the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1 B), I have determined that the proposed action fits within the specified class(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

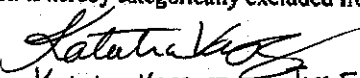
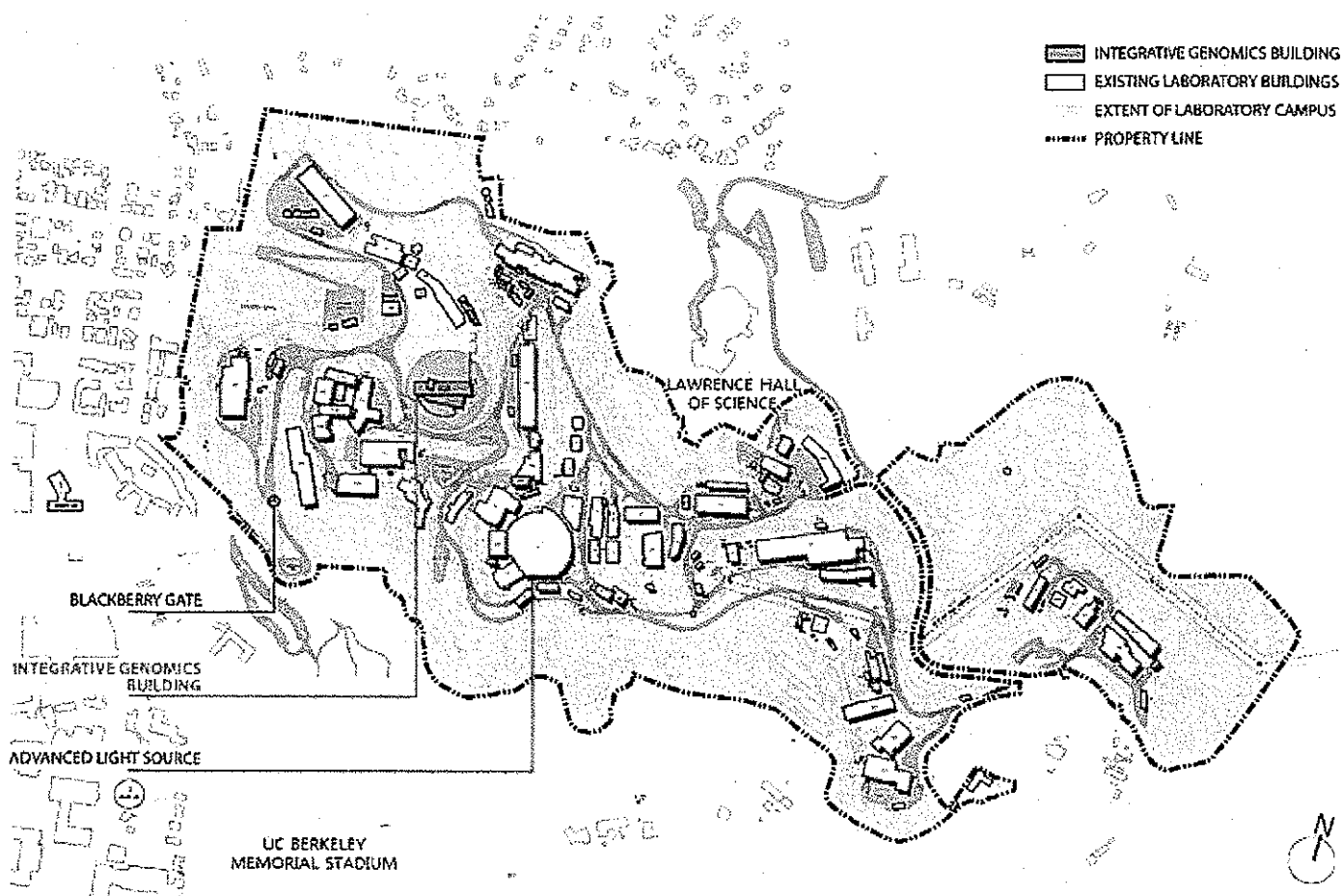
NEPA Compliance Officer: Katatra Vasquez  for Jim Elmore Date Determined: 4/21/15

Figure (1)



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PROJECT LOCATION