



Green Building Policy:

University of California

- All new buildings and major modifications will achieve a minimum of LEED Silver certification (see Berkeley accelerated goal). Renovations shall achieve a minimum LEED ID+C Certified.
- All new buildings and major modifications will be designed and constructed to meet the whole-building energy performance targets or outperform the CBC energy-efficiency standards by at least 20%.
- No new building or major modification will use onsite fossil fuel combustion (e.g., natural gas) for space and water heating (see Berkeley accelerated goal).

UC Berkeley

- All new buildings and major modifications will achieve a minimum of LEED Gold certification.
- All new buildings and major, medium and small modifications will maximize energy efficiency following the Campus Energy Policy standards.
- Projects will support reduction in carbon emissions through no use of onsite fossil fuel combustion for space and water heating, laundry and cooking and by electrified design and lifecycle considerations.

**Policy and standards apply to new building and large renovation projects (as defined by UC Sustainability Policy) regardless of business delivery method (e.g., private-P3, gift, acquisition, ground lease, etc.)*

Key Standards:

Sustainable Building and Design

- Consider each project as an opportunity to advance sustainable building practices, learning opportunities and leadership.
- To facilitate sustainability and LEED requirements, all new and major modification projects will include a workshop during design and reviews through construction of the project's sustainability, resiliency and clean and efficient energy features.
- Building projects will evaluate design features that consider both capital and lifecycle energy and carbon and cost reduction opportunities.
- Building projects are encouraged to advance sustainability by implementing additional criteria and third-party sustainability related design and certification programs to improve equity, health and wellness, safety, zero-waste, resource and carbon management, and resiliency.

Energy Supply and Carbon Neutrality

- New buildings and major modifications that are not connected to the main campus energy system will be required to fully electrify energy systems.
- New buildings and major modifications will be evaluate and include if feasible on-site solar PV and battery storage or other renewable energy options.
- All new and updated electricity accounts except those associated with the central campus energy system are required to obtain/procure 100% clean electricity.
- Projects are encouraged to assess and reduce the embodied carbon of construction materials.
- No new building or major modification will connect to the existing campus energy system and infrastructure except those approved by the Vice Chancellor of Administration (VCA). Waivers for on-site fossil fuel combustion restrictions will also require VCA approval.

Energy Performance

- Implement requirements of the UC Berkeley Energy Policy to reduce energy use from heating, cooling, ventilation, lab equipment, and lighting and meet performance targets.
- Major modifications will reduce affected space's energy use by a minimum of 2% and achieve LEED Enhanced Energy Commissioning credits. Medium sized modifications will result in "No Net Increase" to energy use.



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Key Standards continued:

Water

- All new and major modifications will achieve LEED credits for indoor and outdoor water use and other strategies and standards per the campus Sustainable Water Master Plan and the campus Stormwater and Green Infrastructure Master Plan (expected 2021).
- New equipment with liquid cooling will not use once-through or single-pass cooling.

Waste

- All new buildings and modifications will include interior and exterior bins and infrastructure to support zero landfill waste goals following the Campus Design Standards and the Zero Waste plan.
- All building projects will generate the least amount of waste feasible. Projects will divert a minimum of 65% and strive to divert 90% of demolition and construction waste.

Transportation

- Bike parking to accommodate at least 5% of regular peak building users.
- Where feasible install conduit and/or electrical vehicle charging equipment.

Occupant Satisfaction and Integrated Planning

- Building design will enhance the well-being and productivity of building users such as use of environmentally preferable and healthy materials, indoor air quality, thermal comfort, views and natural lighting and auditory preferences.

For More Information:

Contact the Office of Sustainability
sustainability@berkeley.edu
<http://sustainability.berkeley.edu>

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References:

- ✦ [UC Sustainability Policy](#)
- ✦ [UC Berkeley Energy Policy](#)
- ✦ [Campus Bicycle Plan](#)
- ✦ [UC Berkeley Zero Waste Plan](#)
- ✦ [Campus Design Standards](#)
- ✦ [Campus Sustainability Plans](#)