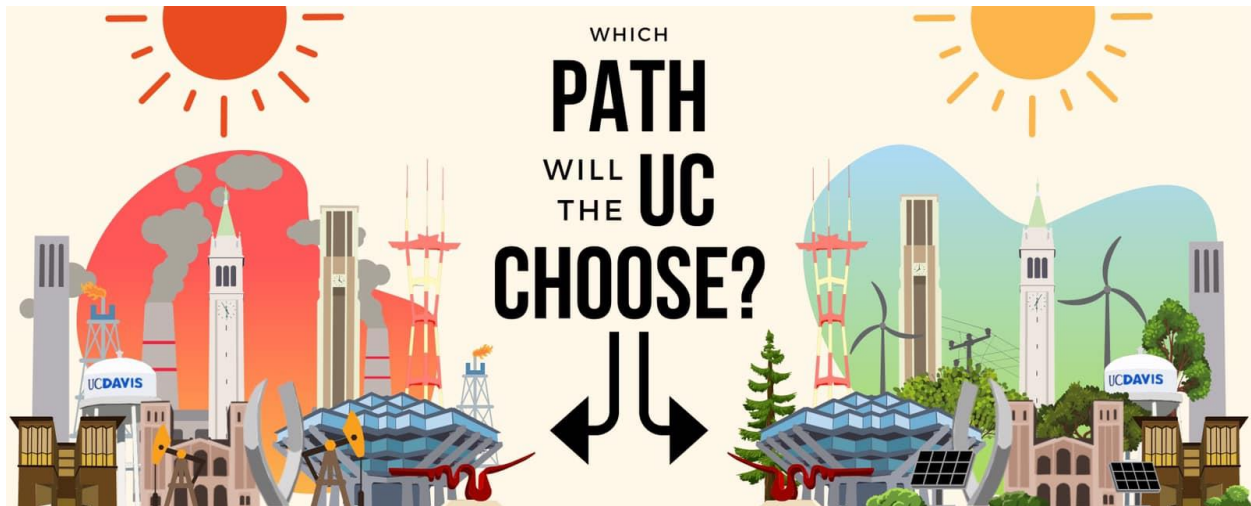


## Suggested amendments to the draft Climate Protection Policy update



New Proposed Policy Language:

### III. POLICY

#### C. Climate Action

For purposes of this section, campuses will include their related health locations in targets, planning and reporting.

##### 1. Greenhouse Gas Emissions

a. Each location will set climate action targets that chart a path toward a fossil-free UC. These targets will:

- i. ~~Include Separate~~ Scope 1, 2, and ~~relevant~~ Scope 3 emissions as listed in the procedures Section V.C
- ii. Reduce emissions **to the following amounts:**
  1. Scope 1: Zero or a residual level (at least a 95% reduction from a 2019 baseline year) by no later than 2035.
  2. Scope 2: Zero by 2025
  3. Scope 3: Zero or a residual level (at least a 95% reduction from a 2019 baseline year) by no later than 2040.
  4. Instead of aiming to achieve “net-zero”, residual 5% of emissions critical to UC primary missions, which are technically hard to reduce, are acceptable

b. Near-Term Targets:

- i. Each location will achieve and maintain **emissions reductions at the following levels: ~~-, at minimum, a near-term emissions reduction of 30% from a 2009 baseline for calendar year 2030, with a stretch goal of 55%. A near-term emission reduction target for 2035 will be codified in this policy at a later date, informed by planned campus decarbonization studies~~**
  1. Scope 1: 60% from a 2019 baseline year by no later than 2030.
  2. Scope 2: 100% by 2025

- 3. Scope 3: 60% from 2019 baseline year by 2030.
- ~~ii. The UC System will target an aggregate emissions reduction of 50% from a 2009 baseline year for calendar year 2030.~~
- ~~c. Residual emissions will be neutralized by carbon removal~~
- d. Each location will redirect funds that would have been spent on voluntary carbon offsets for calendar years 2025 through ~~2030-2045~~ to achieve the previous carbon neutrality policy goal for Scope 1 and 2 emissions on direct emissions reduction as described in the Procedures Section V.C. ~~until emission reduction targets have been met.~~
- e. Meeting the targets above does not affect the separate need for individual locations to meet applicable regulatory requirements.

## V. PROCEDURES

### C. Climate Action

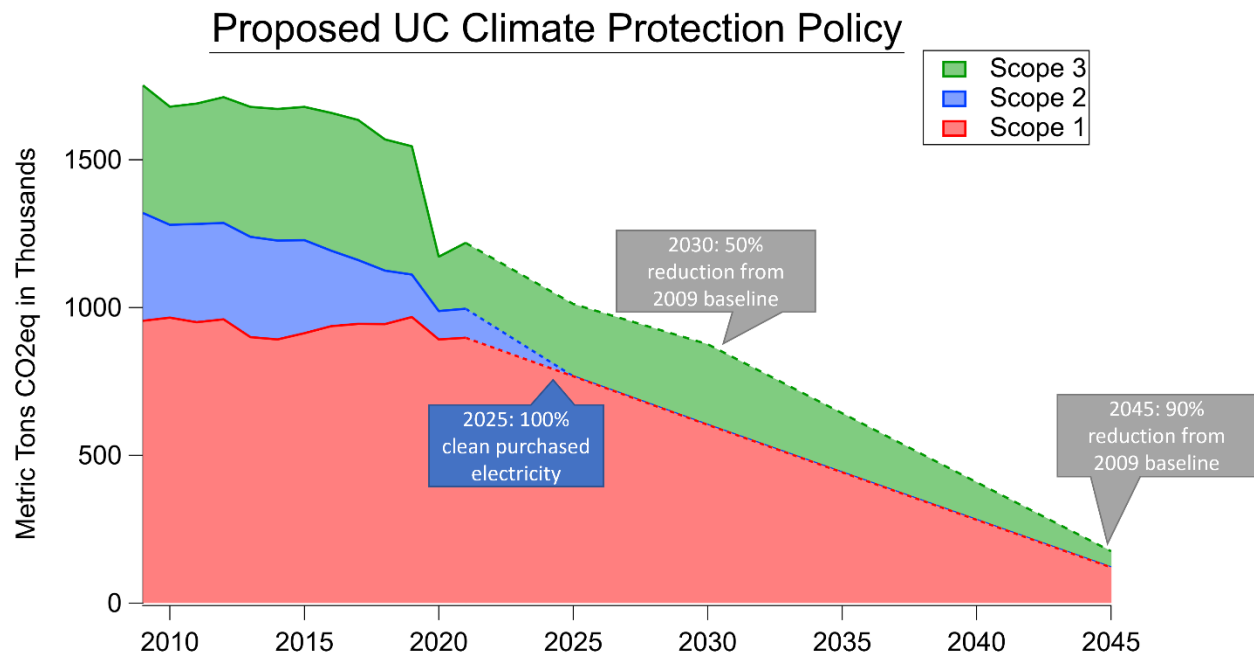
For purposes of this section, campuses will include their related health locations in targets, planning, and reporting.

1. By January 1, 2025, each UC location will ~~set emission reduction targets meeting the minimum requirements of this policy. These targets include:~~ begin following their state-funded electrification plans, and set:
  - a. A Scope 1 emissions reduction target for calendar year ~~2030 and 2035~~ relative to a ~~2019 2009~~ baseline
  - b. A calendar year no later than ~~2025 for Scope 2, 2035 for Scope 1, and 2040 for Scope 3 2045~~ to reach a residual level of emissions, not to exceed ~~5 10%~~ of baseline emissions.
2. Each UC location must prepare a new climate action plan or update an existing plan to achieve emissions reduction targets.
  - a. This plan will be submitted to UCOP no later than January 1, 2026, to begin implementation as soon as possible and no later than the submission date.
  - b. In order to integrate environmental justice, each location will incorporate the “University of California’s Framework for Incorporating Environmental & Climate Justice into Climate Action” and its evaluation questions into climate action planning. Climate action plans will also integrate adaptation and resilience into planning documents.
  - c. Climate action plans shall be updated to incorporate new scientific insights and technological advances; and reflect applicable laws and policies, established global commitments, and social and cultural shifts around climate action.
3. UC locations will not rely on offsets, ~~with the following exceptions:~~
  - ~~a. Individual locations may apply regulatory California Carbon Offsets purchased to meet regulatory requirements of the California Air Resources Board against targets. Use of voluntary offsets to meet obligations under the California Environmental Quality Act or the LEED green building certification cannot be applied against policy targets.~~
  - ~~b. In collaboration with faculty researchers, locations may support the development of rigorously verified UC-initiated offsets to meet targets, neutralize residual~~

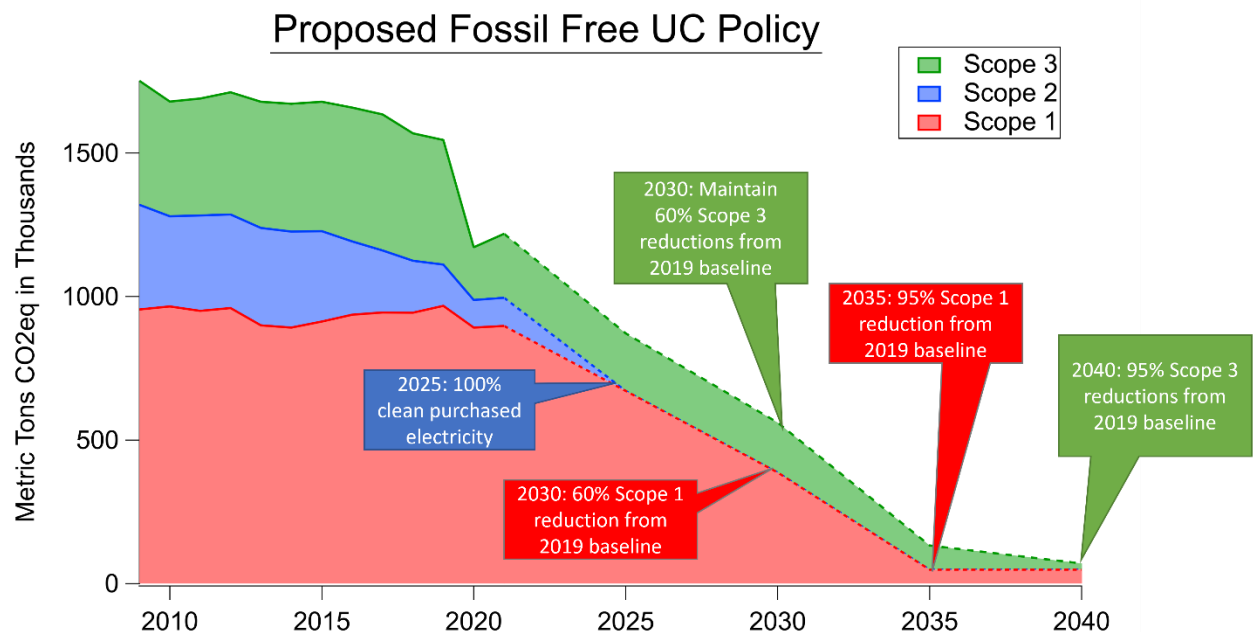
~~emissions, meet obligations under the California Environmental Quality Act, or achieve LEED green building certification.~~ neutralize emissions from hard-to-decarbonize operations such as air travel and back-up energy generation (at most 5% of baseline).

4. Policy item III.C.1.c regarding residual emissions removal may be **added and** revised as needed based on evolving technologies and regulations.
5. The UC will continue to use The Climate Registry (TCR) General Reporting Protocol for GHG accounting, Lawrence Berkeley National Laboratory will continue to use a federally-required GHG accounting protocol. Locations will complete GHG emissions inventories annually. TCR inventories will be verified by a qualified third party. Each campus will maintain individual membership with TCR.
6. The purchase of renewable energy certificates may be counted against the emissions associated with electricity consumption in accordance with applicable GHG reporting protocols. **UC locations should prioritize directly contracted renewable projects and develop on-campus energy storage for increased energy resiliency as part of the 'living lab' mission of the UC.**
7. The UC plans to continue purchasing biomethane. **These are similar to carbon offsets.** Locations may apply the resulting biomethane certificates **only** against **residual emissions.near-term targets.** Locations will ~~evaluate the feasibility of~~ **meet ing all-long-term targets without using biomethane.**
8. Locations may pursue the use of hydrogen **for transportation** to reduce reported emissions so long as that hydrogen is produced from **UC contracted** renewable sources **during periods of excess energy generation.**
9. The UC will include the following Scope 3 emission categories within the greenhouse gas reduction targets: business travel, employee commuting, and waste generated in operations (disposal and treatment of solid waste). The CCWG will ~~continue to include~~ additional Scope 3 categories as soon **as possible at a future date.** Any differences between the boundaries used for Scope 3 reporting and those used for Scope 1 and 2 reporting will be documented. Reporting for the listed Scope 3 emission categories will begin by CY 2024.
10. The University will **determine use** a systemwide rate **of \$246** per metric ton in order to estimate the funding that would have been spent on voluntary offsets under the prior policy of carbon neutrality for Scope 1 and 2 emissions during the 2025 through 2030 period. Each location will determine the best mechanism to spend or earmark these additional funds for direct emissions reduction, for example, infrastructure upgrades, and studies supporting those upgrades. Locations will report annual spending and progress to UCOP.
11. The Climate Change Working Group (CCWG), under the UC Sustainability Steering Committee and represented on the President's Global Climate Leadership Council, will monitor progress toward reaching the goals for GHG reduction and evaluate suggestions for strategies and programs to reach these goals.
12. The CCWG will develop protocols for growth adjustment, data normalization, and accurate reporting procedures, as required.

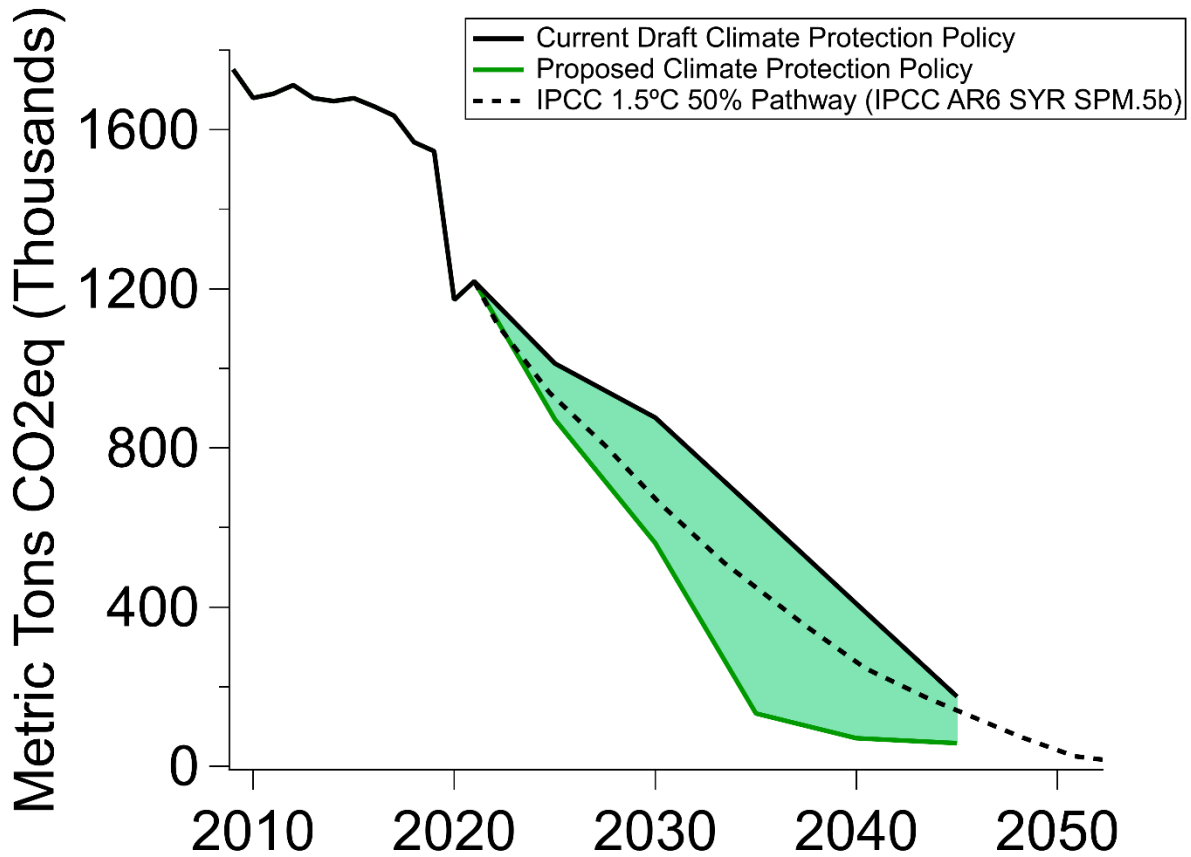
## GHG projections from each scenario



**Figure 1.** The proposed Climate Protection Policy would result in a 20% reduction of baseline in Scope 2 emissions and 30% reduction to be shared between Scope 1 and 3 emissions by 2030. By 2045, a 70% reduction would be shared by Scope 1 and Scope 3 emissions.



**Figure 2.** Our suggested amendments would separate and speed up the rate of reductions across Scopes 1 and 3.



**Figure 3.** As written, the draft Climate Protections Policy does not put the UC on a path aligned with the IPCC’s models for limiting global warming to 1.5°C. Our suggested changes would put the UC on the path to become a leader in reductions aligned with the science of remaining carbon budgets. A total of 7 million tons of CO<sub>2</sub> would be saved by switching between these two policies.