



Environment & Climate Commission

AGENDA

REGULAR MEETING OF THE ENVIRONMENT AND CLIMATE COMMISSION

**Wednesday, April 24, 2024
6:00 PM**

**North Berkeley Senior Center
1901 Hearst Avenue**

LAND ACKNOWLEDGEMENT

The City of Berkeley recognizes that the community we live in was built on the territory of xučyun (Huchiun (Hooch-yoon)), the ancestral and unceded land of the Chochenyo (Cho-chen-yo)-speaking Ohlone (Oh-low-nee) people, the ancestors and descendants of the sovereign Verona Band of Alameda County. This land was and continues to be of great importance to all of the Ohlone Tribes and descendants of the Verona Band. As we begin our meeting tonight, we acknowledge and honor the original inhabitants of Berkeley, the documented 5,000-year history of a vibrant community at the West Berkeley Shellmound, and the Ohlone people who continue to reside in the East Bay. We recognize that Berkeley’s residents have and continue to benefit from the use and occupation of this unceded stolen land since the City of Berkeley’s incorporation in 1878. As stewards of the laws regulating the City of Berkeley, it is not only vital that we recognize the history of this land, but also recognize that the Ohlone people are present members of Berkeley and other East Bay communities today. The City of Berkeley will continue to build relationships with the Lisjan Tribe and to create meaningful actions that uphold the intention of this land acknowledgement.

PRELIMINARY MATTERS

1. Call to Order and Roll Call:

Tregub, Igor	Mayor	Mayor
Ranney, Sarah	Kesarwani	District 1
LaBonte, Alison	Taplin	District 2
McGuire, Brianna	Bartlett	District 3
Tahara, Daniel	vacant	District 4
Allen, Shannon	Hahn	District 5
Guliasi, Les	Wengraf	District 6
Lunaparra, Cecilia	vacant	District 7
Vacant	Humbert	District 8
Athanasiou, Mabel	Youth Commissioner	
Syed, Shanza	Youth Commissioner	

2. **Public Comment:** Comments on subjects not included on the agenda (3-minute limit per individual)
3. **Approval of Minutes:** [Approval of Minutes from last meeting \(March 27, 2024\)](#)
4. **Agenda Check:** Commissioners may rearrange items on the agenda
5. **Update from Chair**
6. **Update from Staff** (Sarah Moore, Rebecca Milliken)

DISCUSSION AND ACTION ITEMS

7. **Presentation & Discussion:** [Proposed mid-cycle code amendments to the Berkeley Green Code \(Kurt Hurley\)](#)
8. **Reports from Commission Liaisons**
 - a. Planning Commission (Alison LaBonte)
 - b. Transportation and Infrastructure Commission (Shannon Allen)
 - c. Parks, Recreation and Waterfront Commission (Cecilia Lunaparra)
 - d. Zero Waste Commission (Sarah Ranney and Mabel Athanasiou)
 - e. Disaster and Fire Safety Commission (Les Guliasi)
 - f. Housing Advisory Commission (vacant)
 - g. Council Policy Subcommittees (Brianna McGuire)
9. **Workplan Subcommittee Updates**
 - a. Vehicle Miles Traveled Reduction (Tregub, Ranney, Tahara, Lunaparra)
 - b. Native Plants (Ranney, McGuire, Allen)
 - c. Electrification Equity and Access (Tregub, LaBonte, McGuire, Tahara, Guliasi)
 - d. Water Conservation and Management (Ranney, Allen, Syed)
10. **Potential Items for Future Agenda**
 - Cesar Chavez landfill greenhouse gas management

INFORMATION ITEMS

11. **Communications**
12. **Announcements from Commissioners**

ADJOURNMENT

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*This meeting will be conducted in accordance with the Brown Act, Government Code Section 54953. Any member of the public may attend this meeting. Questions regarding this matter may be addressed to Sarah Moore, 510-981-7494, [smoore@berkeleyca.gov](mailto:smoore@berkeleyca.gov).*

*Communications to Berkeley boards, commissions or committees are public record and will become part of the City’s electronic records, which are accessible through the City’s website. Please note: E-mail addresses, names, addresses, and other contact information are not required but, if included in any communication to a City board, commission, or committee, will become part of the public record. If you do not want your e-mail address or any other contact information to be made public, you may deliver communications via U.S. Postal Service or in person to the secretary of the relevant board, commission, or committee. If you do not want your contact information included in the public record, please do not include that information in your communication. Please contact the secretary to the relevant board, commission, or committee for further information.*

*Any writings or documents provided to a majority of the commission regarding any item on this agenda will be made available for public inspection at the Planning Department located at 1947 Center Street.*



**COMMUNICATION ACCESS INFORMATION:**

This meeting is being held in a wheelchair-accessible location. To request a disability-related accommodation(s) to participate in the meeting, including auxiliary aids or services, please contact the Disability Services specialist at 981-6418 (V) or 981-6347 (TDD) at least three business days before the meeting date. Please refrain from wearing scented products to this meeting.

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I hereby certify that the agenda for this regular/special meeting of the Berkeley City Commission on Commissions was posted at the display case located near the walkway in front of the Maudelle Shirek Building, 2134 Martin Luther King Jr. Way, as well as on the City’s website.
Sarah Moore, Commission Secretary



Environment & Climate Commission

ENVIRONMENT AND CLIMATE COMMISSION DRAFT MINUTES
Wednesday, March 27, 2024

Tregub, Igor	Mayor	Mayor
Ranney, Sarah	Kesarwani	District 1
LaBonte, Alison	Taplin	District 2
McGuire, Brianna	Bartlett	District 3
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Lunaparra, Cecilia	vacant	District 7
Vacant	Humbert	District 8
Athnasiou, Mabel	Youth Commissioner	
Syed, Shanza	Youth Commissioner	

1. Call to Order and Roll Call

The meeting was called to order by Sarah Moore at 6:07 pm.

Commissioners Present: Tregub, Ranney, LaBonte, McGuire, Tahara, Allen, Guliasi, Lunaparra, Athnasiou

Commissioner Leave of Absence: None

Commissioner Absent: Syed

Staff: Sarah Moore, Rebecca Milliken, Ian Kesterson, Tom Dodge

2. Public Comments and Announcements:

4 member(s) of the Public

3 comment(s)

3. Approval of Minutes:

Motion/second to approve the February 2024 Minutes (Lunaparra, Tahara). The motion carried: 9-0-0-1; Tregub, Ranney, LaBonte, McGuire, Tahara, Allen, Guliasi, Lunaparra, Athnasiou. Noes: None. Abstain: None. Absent: Syed

4. Agenda Check

5. Update from Chair

6. Update from Staff

DISCUSSION AND ACTION ITEMS

7. Presentation & Discussion: Urban Forestry (Ian Kesterson & Tom Dodge)
8. Presentation & Discussion: Proposed Utility Tax (Igor Tregub)
9. Reports from Commission Liaisons
 - a. Planning Commission (Alison LaBonte)
 - b. Transportation and Infrastructure Commission (Shannon Allen)
 - c. Parks, Recreation and Waterfront Commission (Cecilia Lunaparra)
 - d. Zero Waste Commission (Sarah Ranney and Mabel Athanasiou)
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 - d. Water Conservation and Management (Ranney, Allen, Syed)

11. Items for Future Agenda

INFORMATION ITEMS

12. Communications

13. Announcements from Commissioners

ADJOURNMENT

Motion/second to adjourn at 8:04 pm (Lunaparra, McGuire)

Minutes Approved:

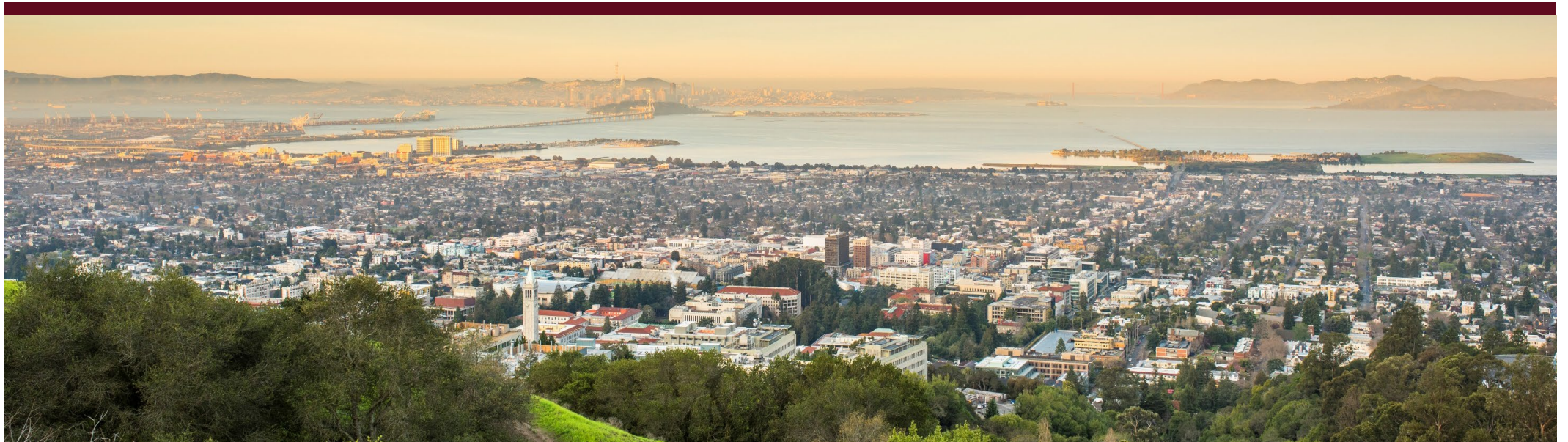
/S/ Sarah Moore, Berkeley Environment & Climate Commission Secretary



Proposed Local Amendments to 2022 CAL Green Code with Mid-Cycle Supplements

Environment and Climate Commission

April 24, 2024





CA Building Code Adoption Process



Triennial Code Adoption Cycle

- New editions of the **California Building Standards Code** are published every three years in a triennial cycle with supplemental revisions to the code published at 18 months (Mid-Cycle)
- State law requires local governments to enforce the latest edition of the **California Building Standards Code**
- 2022 California Building Standards Code with Berkeley's local amendments went into effect on **January 1, 2023**
- **California 2024 Mid-Cycle Supplements** effective July 1, 2024 will require Berkeley amendments to be adopted



Proposed Mid-Cycle Code CALGreen Amendments



- Increased multifamily EV charging
 - parking lifts
- Increased Construction and Demolition (C&D) waste diversion (retain)
- Low-carbon concrete (retain)
- Zero NO_x

NOTE: CALGreen also has new requirements for the deconstruction and reuse of existing non-residential structures



New: CALGreen Deconstruction and Reuse

CALGreen Mid-Cycle Supplement Deconstruction and Reuse: Requirements for new nonresidential construction >100kSF and schools >50kSF

Pathway	Mandatory	Tier 1	Tier 2
Option 1: Building Reuse	45% of the structure and enclosure to be reused	75% of the structure and enclosure to be reuse	75% of the structure and enclosure to be reused AND 30% of interior non-structural elements to be reused
Option 2: Whole Building LCA (WBLCA)	10% reduction from baseline	15% Reduction from baseline	20% Reduction from baseline
Option 3: Prescriptive Approach	175% of industry-wide Environmental Product Declarations Global Warming Potential limits	150% of industry-wide Environmental Product Declarations Global Warming Potential limits	100% of industry-wide Environmental Product Declarations Global Warming Potential limits



New Mid-Cycle amendment proposal: EV Charging

Occupancy	Charging Space Type	2022 Berkeley Green Code			2022 Mid-Cycle CALGreen		
		% Rqd	Direct Connect?	Plug Standards?	% Rqd	Direct Connect?	Plug Standards?
Hotel/ Motel	EV Capable	20%	No	None	0%	NA	NA
	EV Ready (LPL2)	25%	No	None	40%	None	NEMA14-30R plug receptacle
	EVSE	5%	No	None	10%	No	J1772 or J3400
Multifamily	EV Capable	20%	No	None	0%	NA	NA
	EV Ready (LPL2)	25%	No	None	40%	Receptacle Power Source* 4.106.4.2.2.1(c)	NEMA14-30R plug receptacle
	EVSE	5%	No	None	10%	No	J1772 or J3400

* 4.106.4.2.2.1(c) = Dedicated branch circuit to multifamily dwelling unit's electrical panel (not re-assignable to another unit)

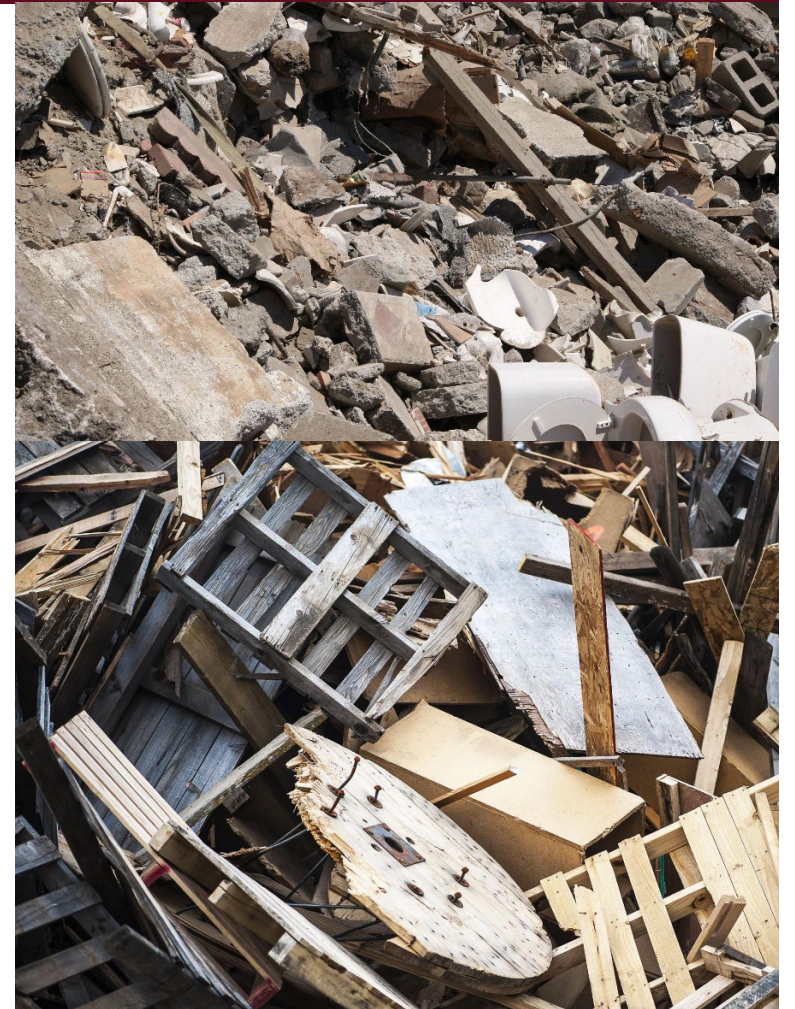


Previously adopted amendment: C&D Waste

Construction and Demolition (C&D) Waste Management

- Diversion of at least 65% of nonhazardous C&D waste by recycling, reuse, and salvage
- 100% diversion of asphalt, concrete, and land-clearing debris (excavated trees, stumps, rocks, etc.)

Note: GreenHalo required for C&D tracking and reporting: berkeley.wastetracking.com





Previously adopted amendment: Concrete

Low-Carbon Concrete

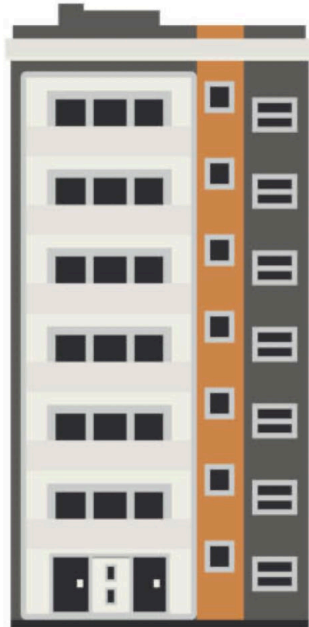
- Reduce cement in concrete mix design by at least 25%
 - Cement alternatives include fly ash, slag, silica fume, rice hull ash, etc.

Cement used in concrete is the single largest material source of embodied emissions in buildings, responsible for 8% of global emissions





New Mid-Cycle amendment proposal: Zero NOx



Newly constructed buildings must be Zero NOx Emission Buildings

- A Zero NOx Building uses no NOx Emitting Equipment/Appliances for space heating, space ventilation, water heating, cooking, clothes drying and/or lighting
 - Includes future additions and alterations
- Applies to all newly constructed buildings (residential and non-residential) except for industrial/heavy manufacturing processes

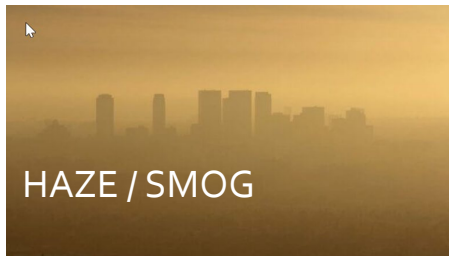


Zero NOx Background

AIR POLLUTANT IMPACTS:



Acid Rain



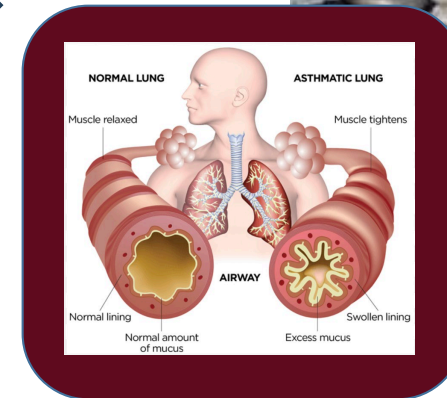
Haze



Ozone



Asthma





Zero NOx Background

- Supports Berkeley's Strategic Plan, Climate Action Plan, and Fossil Fuel Free City goals
 - Limits the human health, environmental, and climate impacts of emissions associated with building occupancy
- Supports Bay Area Air Quality Management District (BAAQMD) Zero NOx Appliance requirements that begin in Jan 2027
- Builds on Los Altos Hill's Zero NOx ordinance adopted earlier this year



Thank You!

Kurt Hurley

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