



Berkeley Building Codes

Proposed local amendments to the 2022 California Building Standards Code with Mid-Cycle Supplements



The City of Berkeley logo, featuring a stylized profile of a person's head in red, yellow, and black, with the text "CITY OF BERKELEY" to its right.

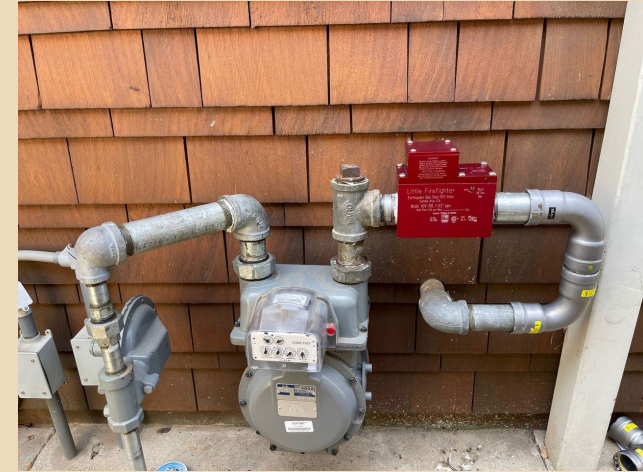


Jordan Klein, Planning Director
David Lopez, Chief Building Official
Kurt Hurley, Green Building Program Manager



- 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 (Title 24, CCR)**
- 2022 California Building Standards Code with Berkeley-specific amendments went into effect on **January 1, 2023**
- **California 2024 Mid-Cycle Supplements** require updates to Berkeley amendments to be re-adopted

- Increased Fire Resilience in WUI
- Motion-Activated Gas Shut Off Valves
- Public Right of Way Access



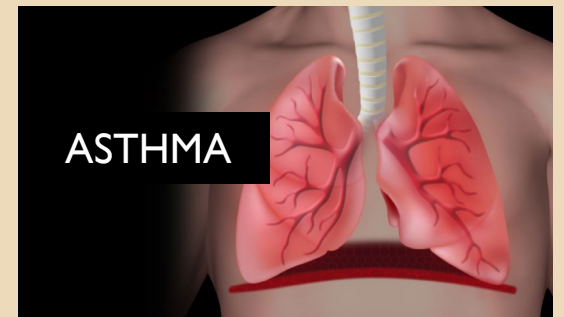
- Increased C&D waste diversion
- Low-carbon concrete
- EV Charging in New Construction



- Staff proposed new CALGreen amendment
- Effective July 2024 thru Dec 2025 with other amendments
- Justified by Local Conditions

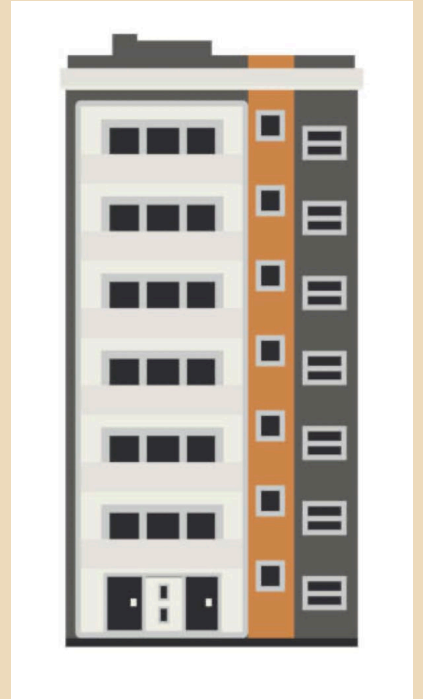
NO_x is shorthand for these nitrogen oxides: nitric oxide (NO) and nitrogen dioxide (NO₂), *the two most relevant for air pollution*

Negative Impacts of NO_x





- Zero NO_x for **new** buildings requires Zero NO_x Emitting Appliances including space heating, ventilation, water heating, cooking, clothes drying, and lighting equipment
- A Zero NO_x Building remains so for its lifetime including additions and alterations



ZERO NOx BUILDINGS: PRECEDENTS



- Berkeley's Zero NOx amendment builds on Los Altos Hill's ordinance adopted earlier this year 2024 and includes Residential and Nonresidential Occupancies
- Bay Area Air Quality Management District (BAAQMD) Appliance regulations not effective until Jan 2027 for Zero NOx *

- The Federal Clean Air Act establishes air quality standards to protect public health and welfare by regulating emissions
- New Source Performance Standards of 04/25/24 result in reduced NOx source emissions from power plants



Clean Air Act

* under consideration by California Air Resources Board (CARB)



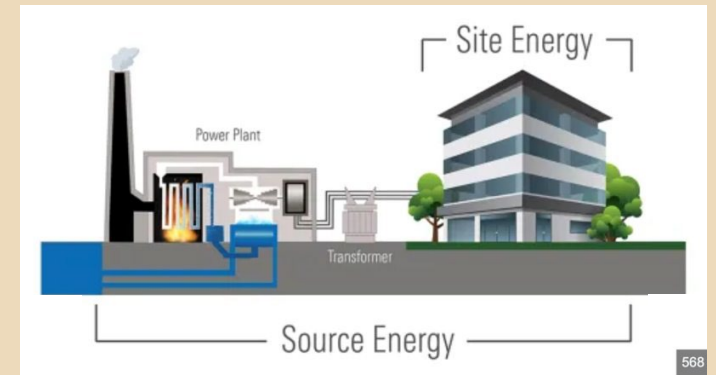
Alternative I: Zero NO_x with Commercial Kitchen exception

- Would still have negative health impacts for kitchen workers and if adopted, kitchens would require electric readiness



Alternative II: Single-Margin Reach Code

- Lacks the health benefits of Zero NO_x and is more difficult to implement and administer

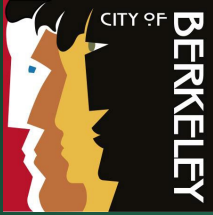


Adopt without amendment:



Ordinance Repealing and Readopting Berkeley 2022 Building Standards Title 19 with CA Mid-Cycle supplements and staff proposed amendments

Resolution Findings of Local Climatic, Geological, and Topographical Conditions Justifying More Stringent Regulations



Thank You

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Building
Code**

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