

Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, California 94105
(415) 749-5073

APPROVED MINUTES

Summary of Board of Directors
Climate Protection Committee Meeting
Thursday, November 19, 2020

This meeting was conducted under procedures authorized by executive order N-29-20 issued by Governor Gavin Newsom. Members of the committee participated by teleconference.

1. CALL TO ORDER – ROLL CALL

Climate Protection Committee (Committee) Chairperson, Teresa Barrett, called the meeting to order at 9:32 a.m.

Present: Chairperson Teresa Barrett; Vice Chair John Gioia; and Directors Scott Haggerty, David Hudson, Davina Hurt, Liz Kniss, Katie Rice, Mark Ross, and Brad Wagenknecht, and Shirlee Zane.

Absent: None.

Also Present: Board Chair Rod Sinks.

2. APPROVAL OF THE MINUTES OF SEPTEMBER 30, 2020

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Director Wagenknecht made a motion, seconded by Director Hurt, to **approve** the Minutes September 30, 2020; and the motion carried by the following vote of the Committee:

AYES: Barrett, Gioia, Haggerty, Hudson, Hurt, Kniss, Rice, Ross, Sinks, Wagenknecht.
NOES: None.
ABSTAIN: None.
ABSENT: Zane.

3. AIR DISTRICT REGULATION OF APPLIANCES

Jennifer Ewell, Senior Air Quality Specialist, gave the staff presentation *Air District Regulation of Appliances*, including; agenda; appliance emissions; current Air District rules; other air districts; nitrogen oxide (NO_x) limit comparison; space heating equipment costs; water heater equipment costs; and further considerations.

Public Comments

Public comments were given by Diane Bailey, MenloSpark; Regina Hsu, Earth Justice; Debbie Mytels, Palo Alto resident; Jed Holtzman, 350 Bay Area; Daniel Tahara, San Francisco Climate Emergency Coalition; Tom Kabat, Menlo park resident; Robert Whitehair, Sustainable San Mateo County; Bruce Naegel, Sustainable Silicon Valley; Sudhanshu Jain, Santa Clara resident; and Lauren Weston, Acterra.

Committee Comments

The Committee and staff discussed the request that the Air District prioritizes regulating and monitoring indoor air quality; the California Air Resources Board's authority over indoor air quality; the need to enhance the Air District's public education on indoor fireplace smoke; challenges of decarbonization in both new construction and retrofit of existing buildings; and the need for programs that will make retrofitting projects affordable to low-income households.

Committee Action

None; receive and file.

4. UPDATE ON THE STATE 2022 BUILDING ENERGY CODE UPDATE

Abby Young, Climate Protection Manager, gave the staff presentation *Update on the State 2022 Building Energy Code Update*, including: California Building Standards Code (Title 24, Parts 6 and 11); energy code update process; key issues: electrification and indoor air quality; and next steps.

Public Comments

Public comments were given by Bret Anderson, Carbon Free Palo Alto; Tom Kabat, Menlo Park resident; Jed Holtzman 350 Bay Area; Daniel Tahara, San Francisco Climate Emergency Coalition; Leah Louis-Prescott, Rocky Mountain Institute; Bruce Naegel, Sustainable Silicon Valley; and Mary Dateo.

Committee Comments

The Committee and staff discussed ways in which the Air District can partner with the State, local jurisdictions and their utilities, and sub-regional community choice electricity providers in driving needed changes to the Building Energy Codes; which entities are authorized to adopt and implement building reach codes; whether the California Energy Commission (CEC) would authorize an air district to offer regional gas and electricity incentives; whether the potential for litigation from companies whose operations may be curtailed by Air District regulations discourages the Agency from imposing regulations; the request that the Air District develops a grant program to help low-income households and landlords (single and multi-family dwellings) transition to from gas-powered to electric home appliances; the suggestion that the Air District takes an official ‘support’ position on the 2022 Building Energy Code Cycle/2022 Building Energy Efficiency Standards, and the suggestion of sending the Governor a letter, asking him to create an Executive Order that would require an all-electric building code; whether Marin County’s Low-Carbon Concrete Code could be included in the 2022 Building Energy Efficiency Standards; and the concern about unintended consequences when affluent households move forward with electrification and low-income households cannot.

Committee Action

None; receive and file.

5. ECONOMIC IMPACTS OF TRANSITIONING TO ECONOMY-WIDE BUILDING DECARBONIZATION

Ms. Young introduced Amber Mahone, Director of the Clean Energy Team at Energy and Environmental Economics, Inc. Ms. Mahone gave the presentation *Residential Building Electrification in California*, including: agenda; up to 60% greenhouse gas (GHG) emission reductions can be achieved in the near term by electrifying a whole home; building electrification improves outdoor air quality, particularly when paired with other electrification; building and technologies: six low-rise residential building types are simulated; studied residential end use technologies; consumer economics (capital costs): single family Heating, Ventilation, and Air Conditioning capital costs; single family hot water heater capital costs; all-electric new construction sees lower capital cost than mixed fuel homes; Consumer economics (bill savings): heat pumps save energy costs in all retrofit homes and the majority of new construction; consumer economics (lifecycles savings): heat pumps generate lifecycle savings in many retrofits and new construction homes; and conclusions and recommendations.

Public Comments

Public comments were given by Tom Kabat, Menlo Park resident; Denise Grab; Rocky Mountain Institute; Mary Dateo; Gary Latshaw, Cupertino resident; Jed Holtzman, 350 Bay Area; Bruce Naegel, Sustainable Silicon Valley; and Diane Bailey, Menlo Spark.

Committee Comments

The Committee and staff discussed the desire for a model ordinance that can be implemented in multiple jurisdictions: the frequency of ductless mini-split heat pump installation in single-family dwellings; the request for a range of electrification costs, rather than actual costs, in future presentations; the costs of duct testing; challenges in decarbonization in older housing stock; whether the Air District is interested in methane leakage from homes; obstacles for California air districts, due to the adoption of Assembly Bill 398 in 2017; and the request for more information on grants and incentives for low-income multi-family dwelling retrofit projects, including the anticipated timeline of such programs.

Committee Action

None; receive and file.

6. PUBLIC COMMENT ON NON-AGENDA MATTERS

No requests received.

7. COMMITTEE MEMBER COMMENTS / OTHER BUSINESS

Chair Barrett spoke about legal challenges that the community of Windsor and City of Santa Rosa are facing due to all-electric reach codes that were approved.

8. TIME AND PLACE OF NEXT MEETING

At the conclusion of the meeting, it was announced that the next meeting would be at the Call of the Chair. After the meeting adjourned, the Climate Protection Committee became part of both the Mobile Source Climate Impacts and Stationary Source and Climate Impacts Committees. These minutes are to be considered for approval at the meeting of the Mobile Source and Climate Impacts Committee, which will meet for the first time on Thursday, February 25, 2021, at 9:30 a.m., via webcast, pursuant to procedures authorized by Executive Order N-29-20 issued by Governor Gavin Newsom.

9. ADJOURNMENT

The meeting adjourned at 1:06 p.m.

/s/ Marcy Hirtzka
Marcy Hirtzka
Clerk of the Boards