

Environmental Quality Commission



REGULAR MEETING MINUTES

Date: 2/27/2019
Time: 6:00 p.m.
City Hall - "Downtown" Conference Room
701 Laurel St., Menlo Park, CA 94025

A. Chair Marshall called the meeting to order at 6:08 p.m.

B. Roll Call

Present: Kabat, London, Chair Marshall, Martin, Payne, Vice Chair Price, Turley
Absent: None
Staff: Sustainability Manager Rebecca Lucky and Sustainability Specialist Joanna Chen

C. Public Comment

None.

D. Regular Business

D1. Welcome Commissioner Turley

Chair Marshall introduced the item.

D2. Discuss a recommendation to City Council to explore adopting 2020 energy reach codes for new development (Staff Report #19-001-EQC)

Chair Marshall introduced the item.

Sustainability Specialist Joanna Chen made the presentation (Attachment).

- Rachael Londer from County of San Mateo spoke in support of exploring the reach codes and inviting staff and Commissioners to attend various reach code presentations.
- Diane Bailey spoke in support of implementing reach codes and developing carbon free buildings

The Commission directed staff to return in April with the cost effectiveness study from San Mateo County expected in March to advise City Council.

D3. Discuss Arbor Day/Week logistics and coordination

Chair Marshall introduced the item.

Sustainability Specialist Joanna Chen made the presentation (Attachment).

The Commission discussed Urban Canopy Preservation subcommittee assisting with the organization.

D4. Discuss Chair's quarterly report to City Council on March 12, 2019

Chair Marshall introduced the item.

D5. Discuss 2019 Environmental Quality Commission meeting schedule

Rebecca Lucky introduced the item.

The Commission requested that the November and December meetings be combined and to cancel the August meeting.

D6. Approve the December 5, 2018 Environmental Quality Commission meeting minutes (Attachment)

Rebecca Lucky introduced the item.

ACTION: Motion and second (Martin/London) to approve the December 5, 2018, Environmental Quality Commission meeting minutes, passed unanimously.

E. Reports and Announcements

E1. Commission reports and announcements

There are no reports.

E2. Staff updates and announcements.

Commissioner Deb Martin expressed concern on regional Dumbarton Bridge construction.

F. Adjournment

Chair Marshall adjourned the meeting at 8:34 p.m.

Minutes prepared by Joanna Chen.

These minutes were approved at the Environmental Quality Commission meeting of March 27, 2019.



REACH CODES

Joanna Chen

ANNILAGA FAMILY
GYMNASIUM



BACKGROUND





DEFINITIONS

- California Building Standards Code
 - Composed of 12 parts
 - Adopted every 3 years
 - Next code cycle will be effective on January 1, 2020
 - Applicable to new construction of, and additions and alterations to, residential and nonresidential buildings
- California Building Energy Efficiency Standards
 - Part 6 of the Building Standards Code
 - Updated by the California Energy Commission
- California Green (CalGreen) Building Standard Codes
 - Part 11 of the Building Standards Code
 - Created to meet the goals of the Assembly Bill 32 to reduce greenhouse gas emissions
 - Updated by Building Standards Commission



2020 BUILDING ENERGY EFFICIENCY STANDARDS

- Compare and contrast between residential and nonresidential Energy Standards

Residential Buildings	Nonresidential Buildings
1) Install solar panels	1) Update to LED lights
2) Improve indoor air quality	2) Improve indoor air quality
3) More energy efficient thermal envelope standards	3) Apply to healthcare facilities
4) Encourage demand responsive technologies to shift energy use	



2020 ENERGY STANDARDS VS 2016 ENERGY STANDARDS

- Single family homes built with 2019 standards:
 - Use about 53% less energy
 - Reduce greenhouse gas emissions by 700,00MT over 3 years
- Nonresidential buildings built with 2019 standards:
 - Use about 30% less energy



2020 CALGREEN BUILDING CODES

- Two key points:
 - Most stringent EV charging requirements and have designed parking for clean air vehicles
 - Improve ventilation system



DEFINITIONS

▪ Reach Codes

- Local energy codes that are more stringent than the ones set by the State to meet the local government's needs and goals
- City can adopt as an option and ideally align with the code
- To adopt, the City has to submit an application to Energy Commission with these requirements:
 - Proposed energy standards
 - Prove the reach codes are cost effective and more energy efficient
 - Provide written statement or findings that buildings will not consume more energy than stated in Part 6
 - Provide any finding or reports required pursuant to California Environmental Quality Act



2020 REACH CODE OPTIONS





COST EFFECTIVENESS STUDY

- Funded by Peninsula Clean Energy and Silicon Valley Clean Energy
- February: County of San Mateo conducted the study
- March: Results are available
- April: Proposed reach codes will be drafted



OPTIONS BEING EXPLORED IN COST EFFECTIVENESS STUDY

- Giving developers two options:
 - Build mixed fuel buildings, but must be xx% more energy efficient than what the State requires: OR
 - Build an all electric building with no additional efficiency requirements
- More EV charging infrastructure
- Install pre-wiring for battery storage
- Install pre-wiring for electric furnace, if natural gas is present



FUTURE DEVELOPMENT





2020 – 2030 PLANS

- Amount of new building permits
 - If little development, reach codes may not be a high priority project
 - If substantial amount, reach codes may be the one of the highest priority project
- Stanford Middle Plaza
 - Will start construction this later this year
 - 2020 reach codes will not apply for this project
- Facebook Willow Village
 - Expected to apply for building permits between 2020 to 2021 if approved
 - 2020 reach codes will apply for this project
- Community Development has on file 3,000 residential units and millions of square feet of office, commercial, and hotel space to be approved.



CASE STUDY: FACEBOOK WILLOW VILLAGE

- Start construction likely between 2021-2022 if project is approved
- Master plan proposes:
 - 1,500 multifamily rental units
 - 200,000 square feet of retail space
 - 1.75 million square feet of office space
- Estimated to emit between 3,293 and 3,783 metric tons of carbon dioxide annually (excludes multifamily)
 - Menlo Park entire community GHG emissions in 2015 was 419,940
- Therefore, would reduce community emissions 1% per year



NEXT STEPS



NEXT STEPS

- Staff is unable to analyze if the proposed reach codes until cost effectiveness study is released.

2019 Timeline	Notes
March	Discuss cost effectiveness study results with other local government agencies
April	Prepare proposed reach codes drafts and have a more productive discussion with EQC
May to July	Community engagement for external stakeholder input
August to December	Submit for City Council review and submit application to Energy Commission and Building Standards Commission



EQC DISCUSSION

- City Council has added this item to explore in their 2019 work plan, and referred to the EQC for feedback and recommendation.

- If EQC recommends to City Council for staff to pursue reach codes, then:
 - 2 projects in Climate Action Plan will be delayed
 - Green design standards for downtown specific plan update
 - Program and policy options analysis to increase EV charging station infrastructure
 - Delay community GHG inventory after reach code adoption
 - Projects have already been delayed due to staff vacancies and transition



THANK YOU



2019 ARBOR DAY

Joanna Chen

ARBOR DAY SIGNIFICANCE

- 2019 marks the 20th consecutive year as a Tree City USA
- The City is recognized for its four core standards:
 - Maintaining a tree board or department
 - Adopting a community tree ordinance
 - Spending at least \$2 per capita on urban forestry
 - Celebrating Arbor Day (second week of April)





PROPOSED SITE



BOYS AND GIRLS CLUB

- Address: 401 Pierce Road
- Main contact: Rick Washington
- Phone number: 650-521-4879
- Email: rwashington@bgcp.org



ROLES AND TIMELINE



ROLES AND RESPONSIBILITIES

- City Staff
 - Prep the site
 - Provide shovels and tree
 - Coordinate Proclamation
 - Take photos and provide council digest item

- EQC
 - Coordinate Mayor attendance
 - Coordinate providing proclamation to Mayor
 - Coordinate for the site planting
 - Invite the press and other entities or individuals



TIMELINE

Tasks	Date
Create a Subcommittee	
Organize Press and Publish Digest Item	
Coordinate with Rick	
Coordinate with City Arborist	
Arbor Day	2 nd week of April



THANK YOU