



# Sustainability and Climate Action Plan Ad Hoc Committee

August 12, 2021

# Agenda

- Sustainability and Climate Action Plan (S/CAP) Ad Hoc Committee Introductions, Overview, and Purpose
- Three Pillars of Sustainability
- Proposed Ad Hoc Meeting Schedule
- S/CAP Domain Advisors
- BREAK
- Public Comment Period
  - Proposed Schedule and Topics
  - S/CAP Timeline
  - Volunteer / Experts to Consult with
- Closing and Next Steps

# Sustainability and Climate Action Plan (S/CAP) Ad Hoc Committee



- Background: S/CAP Update launched in early 2020, with community input on first two drafts of the S/CAP Goals and Key Actions



- S/CAP Ad Hoc Committee directed by Council in April 2021



- Members: Vice Mayor Pat Burt, Councilmember Alison Cormack



– Alternate: Mayor Tom DuBois



- Purpose: To engage with a stakeholder group of domain experts and community activists, and to guide the development, implementation, and communication of the S/CAP



- 2<sup>nd</sup> Thursday of the month via Zoom, from 9:00 – 11:30 am



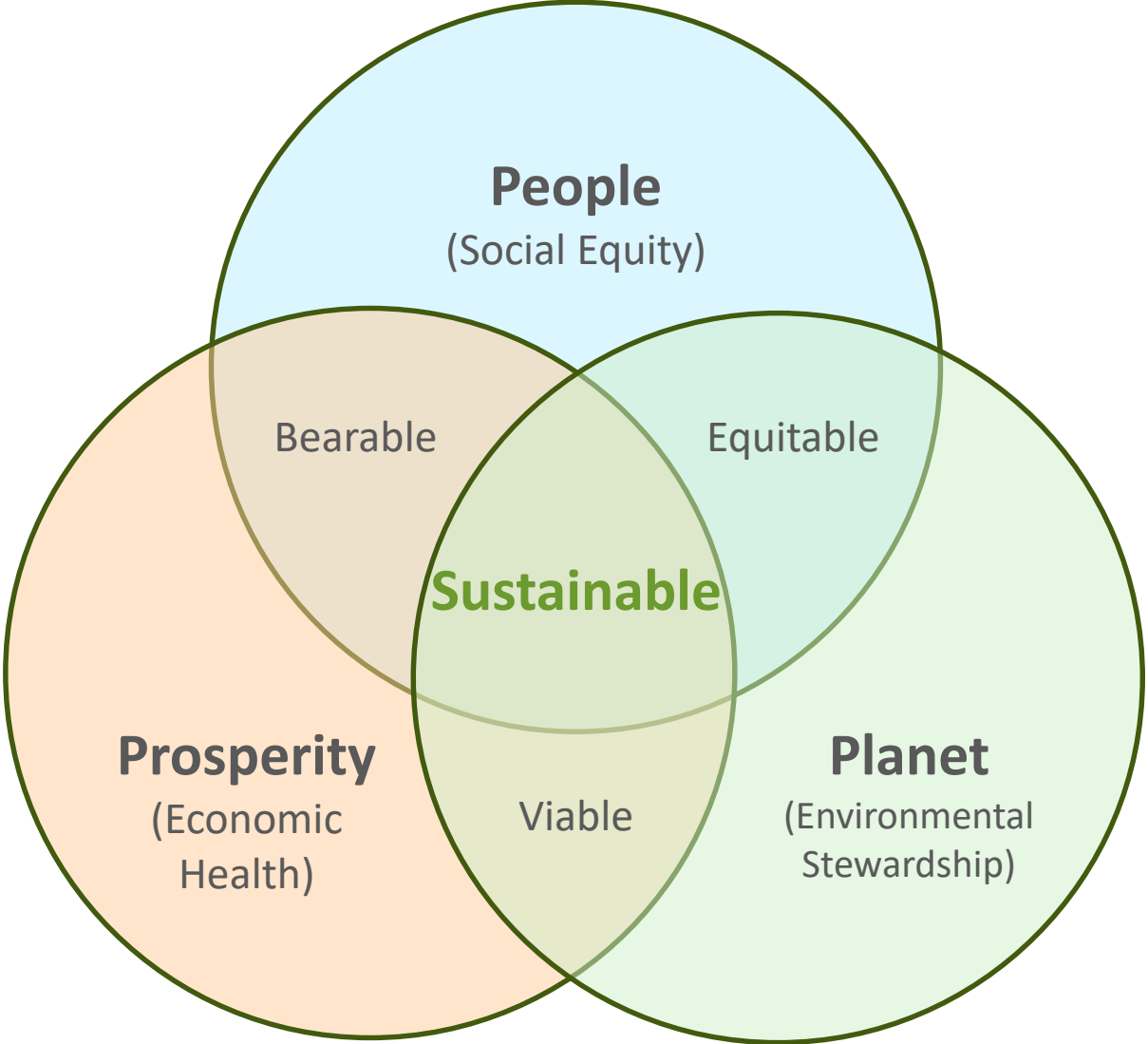
MOTION: Vice Mayor Burt moved, seconded by Mayor DuBois to:

A. Direct the Mayor to appoint two or more Council Members **to engage with a community stakeholder group of domain experts and community activists;**

B. **Support the policy framework in Attachment A and** ask Staff to further develop and return to Council as needed with the following changes:

- i. A plan for an earlier adoption of commercial electrification retrofits;
- ii. Evaluation of the sale of gasoline within the city limits as a key metric;
- iii. Evaluation of a best practice standard for low carbon construction materials;
- iv. A proposal for a Palo Alto Green equivalent voluntary surcharge program to help fund electrification initiatives;
- v. An evaluation of public health and public safety risk and benefits from climate protection;
- vi. Move forward with an on-bill financing program for residential building electrification;
- vii. Evaluate a supplemental carbon neutrality goal; and
- viii. Return with recommended electric utility capital and personnel investments required to enhance reliability and staffing resources necessary for the Climate Action Plan.

# Three Pillars of Sustainability



# Equality vs. Equity

## Equality



## Equity



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# Proposed Ad Hoc Meeting Schedule

Month	Topics:
August 12, 2021	Kick-Off Meeting: Review Proposed topics, Three pillars of Sustainability
September 9	<b>S/CAP:</b> Overview of Goals and Key Actions, AECOM Impact Analysis Memo <b>Buildings:</b> Residential Building Electrification (including electrification retrofits, low-income programs, financing programs)
October 14	<b>S/CAP:</b> Overview of 3-Year Implementation Plan <b>Buildings:</b> Permitting, Commercial Building Electrification
November 11	<b>Transportation:</b> Electric Vehicles (including EV promotion, low-income programs, commuters)
December 9	<b>Transportation:</b> Mobility Programs, how land use affects emissions
January 13, 2022	<b>Climate Impacts:</b> Wildfire Protection and Sea Level Rise <b>S/CAP:</b> Finalize Goals and Key Actions, 3-Year Implementation Plan
February 10	<b>Funding and Resources:</b> Near-term and long-term funding and financing options, resources for vulnerable populations <b>S/CAP:</b> Finalize S/CAP Report
March 10	<b>Funding and Resources:</b> Costs and resources needed to achieve 80 x 30
April 14	<b>Carbon Reduction / Capture:</b> Carbon Neutrality, low-carbon construction materials, new climate goal for after 80 x 30

# S/CAP Timeline

	S/CAP Item	Status	Target Date(s)
	Updated S/CAP Draft Goals & Key Actions	Drafted, pending review	January 2022 – Finalize
	3- Year Implementation Plan	Drafted, pending review	January 2022 – Finalize
	Completed S/CAP Report	S/CAP Report drafted, pending final Goals & Key Actions and review	February 2022 - Final Draft Complete
	S/CAP Accepted		March 2022 - Bring to Council
	CEQA Analysis	Can begin once S/CAP Goals & Key Actions are finalized	January 2022 – CEQA commences September 2022 – CEQA completed
	S/CAP Adopted with completed CEQA		By December 2022 - Bring to Council





## 1. Buildings (Commercial and Residential)



– Energy Efficiency



– Natural Gas Reduction and Electrification



- Heat pump technologies and adoption strategies

- Permitting Process (Solar, Water Heating, Home Heating)



- Renewable Natural Gas and Hydrogen



- Methane Leakage



– Sustainable Buildings (Low carbon materials, low waste materials, physically and psychologically healthy buildings)



## 2. Utilities

- Resilient electricity system
  - Local generation and storage
- Smart meters and microgrids



## 3. Transportation

- Electrification of Vehicles
- Transit/Trip Reduction
- Micro mobility



## 4. Land Use

- Urban Design
- Buildings

## 5. Other GHG sources

- Sustainable/low carbon materials
- Waste reduction
- Landscape Maintenance
- Electrification
- Aviation
- Other carbon emissions



## 6. Carbon Negative Actions

- Bio sludge pyrolysis
- Green waste pyrolysis
- Offsets. Tropical Rainforest Forest Sequestration (Oaxaca)



## 8. Clean energy

- Microgrids, local generation and storage



## 9. Economics and Finance

## 7. Sustainable Cities

- Buildings, and design



## 10. Next Phase Goals

- Scope 3
- 100x30
- Drawdown/Carbon Negative





## 1. Sea level rise, groundwater impacts, and riverine flooding

– Groundwater



## 2. Wildland fires mitigation and response

– Sustainable water supply



## 3. Resilient electric utility





1. Local Partners



2. Regional Partners



3. State Partners



4. National Partners



5. International Partners



# S/CAP Domain Advisors – Advocacy and Implementation

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1. Collaboration Tools



2. Metrics. Dashboard



3. Policy advocacy



4. Implementation



5. Communication

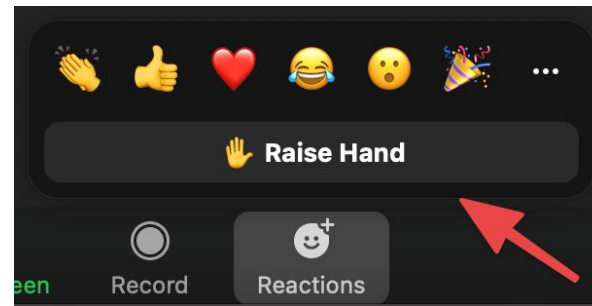


6. Other partners. Social scientists, psychologists, computer scientists.

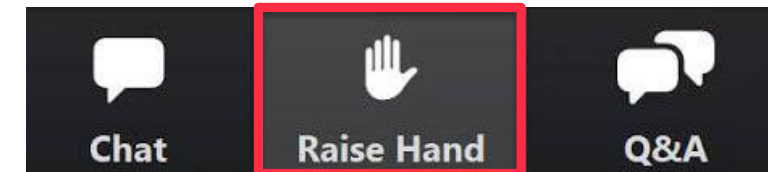


# Public Comment Period

- Two minutes per person
- Raise your (Zoom) hand if you would like to comment and we will call on you



or



- Please stay focused on the questions posed
- Questions for public comment
  1. Do you have feedback on the proposed schedule and topics?
  2. Do you have feedback on the overall S/CAP timeline?
  3. Do you want to volunteer? Do you have experts to recommend?



## **SUSTAINABILITY & CLIMATE ACTION PLAN**

**Thank You!**

**Please submit questions or comments to  
[sustainability@cityofpaloalto.org](mailto:sustainability@cityofpaloalto.org)**

*Acting Now for a Resilient Future*



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