Sustainability and Climate Action Plan

Ad Hoc Committee

August 12, 2021

cityofpaloalto.org/ClimateAction

Acting Now for a Resilient Future
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

- **2nd Thursday of the month via Zoom, from 9:00 – 11:30 am**

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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

- **People** (Social Equity)
  - Bearable
  - Equitable

- **Prosperity** (Economic Health)
  - Viable

- **Planet** (Environmental Stewardship)
  - Sustainable
Equality vs. Equity

Equality

Equity

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## Proposed Ad Hoc Meeting Schedule

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

<table>
<thead>
<tr>
<th>S/CAP Item</th>
<th>Status</th>
<th>Target Date(s)</th>
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<tbody>
<tr>
<td>Updated S/CAP Draft Goals &amp; Key Actions</td>
<td>Drafted, pending review</td>
<td>January 2022 – Finalize</td>
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<tr>
<td>3-Year Implementation Plan</td>
<td>Drafted, pending review</td>
<td>January 2022 – Finalize</td>
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<td>S/CAP Accepted</td>
<td></td>
<td>March 2022 - Bring to Council</td>
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<tr>
<td>CEQA Analysis</td>
<td>Can begin once S/CAP Goals &amp; Key Actions are finalized</td>
<td>January 2022 – CEQA commences</td>
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<tr>
<td>S/CAP Adopted with completed CEQA</td>
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<td>By December 2022 - Bring to Council</td>
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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)
S/CAP Domain Advisors – Emissions Reductions

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
S/CAP Domain Advisors – Emissions Reductions

6. Carbon Negative Actions
   – Bio sludge pyrolysis
   – Green waste pyrolysis
   – Offsets. Tropical Rainforest Forest Sequestration (Oaxaca)

7. Sustainable Cities
   – Buildings, and design

8. Clean energy
   – Microgrids, local generation and storage

9. Economics and Finance

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
S/CAP Domain Advisors – Policy Collaborations

1. Local Partners
2. Regional Partners
3. State Partners
4. National Partners
5. International Partners
S/CAP Domain Advisors – Advocacy and Implementation

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

• 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?
Thank You!

Please submit questions or comments to sustainability@cityofpaloalto.org

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