


















| Work Item / Key Action | | Funding | Staffing | Carbon Impact | Status |
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| <i>S/CAP Adoption</i> | | | | | |
| A1 | Build consensus among advocates and policy makers about what needs to be done to fight climate change. Work items include: Coordinate on-going S/CAP development, implementation and collaboration with the S/CAP Ad Hoc Committee, City Department, advocates, and experts; Coordinate S/CAP Plan Development and Adoption; Coordinate 3-Year Work Plan Development and Council Approval; Review the S/CAP Impact Analysis and Co-Benefits Analysis | Funding: \$ | Staffing: @ | n/a | S/CAP Goals and Key Actions and 3-Year Work Plan to be presented at the September 2021 Ad Hoc Meeting, with approval at the January 2022 Ad Hoc Meeting. AECOM Impact Analysis and Co-Benefits Analysis to be presented at the September 2021 Ad Hoc Meeting. First draft of S/CAP completed, pending finalization of Goals and Key Actions. Draft S/CAP to be presented to Council in March 2022 |
| A1 | Finalize models and technical memos to make them usable by the community and for future staff work | Funding: \$ | Staffing: @ | n/a | Contract in process for consultant to do this work |
| A2 | Engage stakeholders throughout the community to receive and incorporate feedback on the S/CAP. | Funding: \$ | Staffing: @ | n/a | Recruiting volunteers to serve as S/CAP Domain Advisors; Identifying and reaching out to stakeholder groups |
| A3 | Build community awareness of the need to fight climate change and what services and tools are available, partner with the community to build awareness & promote services. Work items include: Develop a major community engagement and communications plan to raise awareness of the S/CAP Adoption Process and planned programs, Launch a public outreach campaign | Funding: \$\$ | Staffing: @@ |  | Community Engagement Plan drafted, aiming to finalize in September to share with the Ad Hoc in October. |

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| A4 | Coordinate CEQA Review of the S/CAP | Funding: \$ | Staffing: @ | n/a | CEQA review will commence when the Goals and Key Actions have been approved, tentatively in January 2022 |
| <i>Climate Action Programs and Other Emissions Reduction Actions and Outreach</i> | | | | | |
| C1 | Enable any resident or business to receive guidance on reducing their building and transportation emissions via phone consultations, interactive web applications, or other communications platforms. They may receive a consultation and/or sign up for City programs and services (also see Energy Key Actions E1 and E2, EV Key Action EV1, and Mobility action M1) | Funding: \$\$\$ | Staffing: @@ |  | RFP in progress for new services, aiming for Council approval of new contracts in early 2022 |
| C2 | Work with major employers to develop custom emissions reduction plans that address commute, building and other emissions on an employer by employer basis. | Funding: \$ | Staffing: @@@ |  | Working with 1-2 major employers, evaluating resources needed to expand efforts |
| E1 | Launch comprehensive residential program services and incentives to promote voluntary electrification of water heating, space heating, cooking, clothes drying, and other appliances that use natural gas, as well as single-family residence panel upgrades and EV charger installation (also see Key Action EV2, Multi-family EV Charging program). Services may include technical assistance, vetted contractor lists, on-bill financing, and/or direct install services. | Funding: \$\$\$\$ | Staffing: @@@ |  | RFP in progress for new services, aiming for Council approval of new contracts in early 2022 Researching and planning on-bill financing program |







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| E2 | Launch non-residential program services and incentives for electrification of non-residential mixed-fuel rooftop packaged HVAC units, cooking equipment, and small non-residential gas appliances (as well as workplace EV charging). Services may include technical assistance, vetted contractor lists, on-bill financing, and/or direct install services. | Funding: \$\$\$\$ | Staffing: @ |    | RFP in progress for new services, aiming for Council approval of new contracts in late 2021 |
| E4 | Develop electric rate options for electrified homes, EV charging, and solar + storage microgrid customers. | Funding: \$ | Staffing: @ | n/a | Electric rate study starting late 2021 |
| E5 | Adopt an All-Electric Reach Code for non-residential new construction projects | Funding: \$\$ | Staffing: @@ |  | Staff will begin stakeholder input process to develop all-electric reach code for new nonresidential projects in spring 2022 as part of City's Green Building Ordinance and Reach Code update. |
| E5 | Adopt an All-Electric Reach Code or gas ban for new detached ADUs | Funding: \$\$ | Staffing: @@ |  | Staff has already completed the cost effectiveness study and will begin public outreach on the proposed code in fall 2021. |
| E5 | Adopt a definition for substantial remodel project that triggers all-electric reach code requirements. | Funding: \$\$ | Staffing: @@ |  | Staff will commence work in spring 2022 with the goal to obtain Council approval by December 2022. |
| E8 | Evaluate City ordinance to require energy benchmarking for commercial and multifamily buildings over 25,000 sf | Funding: \$\$ | Staffing: @@ |   | Staff will commence work in fall 2021 with the goal to obtain Council approval in 2022. |

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| EV1 | Raise awareness of emission savings of alternative transportation modes, micromobility (such as e-bikes and e-scooters), EVs, the economics of these transportation modes compared to gasoline vehicles, and available incentives. Collaborate with regional partners, other agencies, and local nonprofit partners in promotional efforts. Provide information and access to City and partner programs via phone consultations, interactive web applications, or other communications platforms. | Funding: \$\$\$ | Staffing: @@ |  | Currently in progress: Increasing outreach efforts - putting together a calendar of EV and E-bike awareness raising workshops and events in collaboration with regional partners |
| EV2 | Enhance multi-family and workplace EV charging program as needed to create high levels of participation and expand it to include bike facility evaluation and alternative commute promotion. Evaluate financing and direct installation program features. | Funding: \$ | Staffing: @ |  | Currently working with program operator to add new program features Expanding sales and marketing efforts |
| EV7 | Convert all compact sedan Palo Alto municipal vehicles to EVs when an e-bike is not an operationally acceptable replacement | Funding: \$\$ | Staffing: @@ |  | City Fleet electrification study underway; draft replacement plan, along with budget forecast for vehicle replacement by June 2022 |
| M1 | Launch bike/scooter shared micro-mobility service to provide last-mile connection | Funding: \$\$ | Staffing: @@ |  (rating represents combined impact of all Mobility actions) | On hold due to pandemic conditions and lack of staff resources |
| M1 | Launch on-demand transit service pilot | Funding: \$ (grant funded pilot) | Staffing: @ | | In progress. Staff are working on grant funding agreement with VTA |
| M1 | Pilot Neighborhood Mobility Hubs at activity centers, based on Mobility Needs Assessment in M4 | Funding: \$\$ | Staffing: @@ | | This project requires the study in M4 before project initiation in FY 24 if funded |



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| M1 | Bundle Mobility options into one program/platform (Maas, Mobility Wallet) if technology allows | Funding: \$\$\$ | Staffing: @@ | | Scheduled to start in FY2024 if funded |
| M2 | Allocate funding for TMA and expand scope to entire City to help scale up TDM programming | Funding: \$\$\$ | Staffing: @@ | | This is a current, ongoing project |
| M2 | Adopt telecommuting policy for local employers to align with regional targets. | Funding: \$\$ | Staffing: @@ | | Scheduled to start in FY2024 if funded |
| M2 | Adopt a TDM Ordinance | Funding: \$\$ | Staffing: @@ | | Scheduled to start in 2024 if funded |
| M2 | Establish a Safe Routes for Older Adults/Aging in Place program based on M4 | Funding: \$\$ | Staffing: @@ | | Scheduled to start in FY2023 if funded |
| M3 | Implement proposals for Council to price parking in business districts | Funding: \$\$\$ | Staffing: @ | | Commercial pilot proposal before FY 23. |
| M3 | Implement smart parking infrastructure in public garages | Funding: \$\$\$\$ | Staffing: @ | | Installed in new California Ave. Garage, project to expand to 3 Downtown garages begins FY 23 |
| M3 | Review and recommend adjustments to development parking requirements. Use recommendations from M4. | Funding: \$\$ | Staffing: @@ | | Requires M4 study prior to start in FY 2024 if funded |
| M4 | Develop proposals for Council for policies to discourage vehicle use and encourage alternative modes for all trip types. Alternatives to evaluate include vehicle-free streets and other recommendations | Funding: \$\$ | Staffing: @ | | Scheduled to start in FY2024 |
| M5 | Implement Bicycle and Pedestrian Transportation Plan (also see M5, below, under Climate Action Studies, for Bicycle and Pedestrian Plan and Vision Zero Update) | Funding: \$\$\$\$ | Staffing: @@ | | This is a current ongoing City effort. See the South Palo Alto Bikeways project website |
| <i>Climate Action Studies and Supporting Efforts</i> | | | | | |
| C3 | Complete study to identify any additional Energy, EV, or Mobility key actions needed to achieve 80% reduction in greenhouse gas emissions from 1990 levels by 2030 | Funding: \$\$ | Staffing: @@ |  | Not started |

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| C4 | Complete a study, including legal analysis, of the staffing and funding needed to operate programs, services, and related City processes at a high enough capacity to accommodate all necessary emissions reduction activities through 2030 | Funding: \$\$ | Staffing: @@ | (rating represents potential effect of actions to be identified) | |
| C5 | Present options for Council consideration to accelerate EV, Mobility, and Energy emissions reduction activities identified in this Plan through mandates or price signals, such as buildings emissions performance standard, carbon pricing, on-sale or replace-on-burnout ordinances, parking rules in public and private spaces, and withdrawal of gas by a date certain. | Funding: \$\$ | Staffing: @@ | | |
| C6 | Complete a technical and legal study of alternatives available to fund post-2025 key actions, such as a carbon tax, parcel taxes, or other community funding mechanisms. | Funding: \$ | Staffing: @ | | |
| C7 E3 | Complete an affordability study to identify vulnerable populations and businesses who may need help with electrification | Funding: \$ | Staffing: @ | n/a | RFP in progress for consultant to complete study |
| C8 | Complete a study of carbon neutrality options with completion planned for year-end 2022. Consider the contribution of the Palo Alto urban canopy in achieving carbon neutrality goals | Funding: \$\$ | Staffing: @@ |  (rating represents potential effect of actions to be identified) | Not started |
| E6 | Conduct an Electrification and Planning Assessment of City Facilities, which will be used to develop a plan for electrification that results in an 80% reduction in natural gas usage at City facilities by 2030 | Funding: \$\$ | Staffing: @@ |  (rating represents potential effect of actions to be identified) | RFP in progress for consultant to complete study |
| E7 | Complete a study of reliability and resiliency needs in an electrified community | Funding: \$\$ | Staffing: @@ | n/a | Stanford fellow currently completing some preliminary work on this item. |







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| E7 | Develop a plan to preserve and enhance community electric system emergency reliability and resiliency, including evaluating the role of solar, storage, and other flexible energy technologies. | Funding: \$\$ | Staffing: @@ | n/a | Per Council direction on 8/16/2021, staff is developing a plan for accelerating the exploration and implementation of expanded energy storage systems. Workplan being developed late 2021. |
| EV3 | Study incentives available for small EVs like e-bikes and e-scooters and develop incentive recommendations if needed. Promote new and existing incentives. | Funding: \$ | Staffing: @@ |  | Advocating for a state rebate program for e-bikes. Palo Alto specific rebates TBD by June 2022 |
| EV4 E3 | Study EV affordability and other barriers for low-income residents and develop plan for EV and charger promotion to this group. | Funding: \$\$ | Staffing: @ |  | Study underway, new plan in place by January 2022 |
| EV5 | Evaluate a residential EV credit or rate mechanism that creates an electric bill discount for registered EVs. | Funding: \$ | Staffing: @ |  | Electric bill discount or rebate evaluated for low-income residents by January 2022; implementation by Fall 2022. |
| EV6 | Evaluate mandates or other mechanisms to ensure EV charging capacity needed to support EV growth. | Funding: \$\$ | Staffing: @ |  (rating represents potential effect of actions to be identified) | Legal review to be undertaken; timeline TBD |
| M4 | Conduct a land use and transportation study to identify scenarios, changes, services, and programs that would reduce greenhouse gas emissions and accommodate projected housing growth without increasing transportation sector emissions | Funding: \$\$ | Staffing: @@ |  (rating represents combined impact of all Mobility actions) | Scheduled to start in FY2023 |
| M5 | Update Bicycle and Pedestrian Transportation Plan | Funding: \$ (grant funded) | Staffing: @ |  (rating represents combined impact of all Mobility actions) | Scheduled to start in FY22 |

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| M5 | Establish a Vision Zero data collection and analysis program based on M4 | Funding: \$\$ | Staffing: @@@ |    (rating represents combined impact of all Mobility actions) | If funded and staffed, begin in FY24. |

Sustainability

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|-----------|--|---------------|--------------|---|---|
| S1 | Complete the Sea Level Rise Vulnerability Assessment | Funding: \$\$ | Staffing: @@ | n/a | Will be completed in October 2021 |
| S2 | Complete the Sea Level Rise Adaptation Plan | Funding: \$\$ | Staffing: @@ | n/a | Will commence when the SLR Vulnerability Assessment is complete |
| S4 | Implement Foothills Fire Management Plan | Funding: \$ | Staffing: @ |  | Implementing the Foothills Fire Management Plan to balance conservation of natural resources with reduction of fire hazards is an ongoing effort. |
| W5 | Develop a "One Water" Portfolio for Palo Alto ¹ | Funding: \$\$ | Staffing: @ | n/a | RFP in progress for consultant to complete the study |
| N1 N10 | Develop programs to plant trees to increase Palo Alto's tree canopy and establish a baseline and Key Performance Indicator for carbon storage of tree canopy | Funding: \$\$ | Staffing: @ | n/a | New canopy cover GIS tool is being launched, which will help establish a baseline |
| ZW2 | Eliminate single-use disposable cups and containers by expanding the Disposable Foodware Ordinance | Funding: \$ | Staffing: @ |  | Strategy and timeline in development, for launch by December 2022 |

¹ A "One Water" approach envisions managing all water in an integrated, inclusive, and sustainable manner that is more resilient to the impacts of climate change. The One Water approach recognizes that water must be managed in ways that respect and respond to the natural flows of watersheds and the natural ecosystem, geology, and hydrology of an area. projects and programs focus on achieving multiple benefits—economic, environmental, and social.

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| ZW3 | Require edible food recovery for human consumption from commercial food generators | Funding: \$ | Staffing: @ |  | Santa Clara County - wide ordinance in development, will go to Council for adoption in late October 2021, with an effective date of January 1, 2022. |
| ZW4 | Create a new campaign to promote residential food waste reduction | Funding: \$ | Staffing: @ | n/a | Campaign strategy in development, for launch by December 2022 |
| ZW5 | Provide waste prevention technical assistance to the commercial sector | Funding: \$ | Staffing: @ |  | Outreach tool and technical assistance in development, for launch by December 2022 |
| ZW7 | Evaluate a best practice standard for low carbon construction materials, beginning with concrete (including review of the Marin County Low Carbon Concrete Ordinance) | Funding: \$ | Staffing: @ | n/a | Scheduled for discussion at the April 2022 Ad Hoc Meeting |
| W6 N5 | By 2023, establish a baseline and Key Performance Indicator for treatment of impacts from impervious surfaces to support the Green Stormwater Infrastructure Plan. | Funding: \$ | Staffing: @ | n/a | Additional data is currently being collected so that a baseline can be established |