

**Regular Meeting of the
COMMITTEE ON
ENERGY AND THE ENVIRONMENT
AGENDA**

March 24, 2021 – 5:00 P.M.

On March 3, 2020 Governor Newsom proclaimed a State of Emergency due to COVID-19 and subsequently issued Executive Orders N-25-20 suspending provisions of the Brown Act allowing meetings via teleconferencing and members of the public to observe and offer comments telephonically or electronically.

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If you wish to speak on an item listed on this agenda, please complete and submit a speaker card here <http://forms.cityofpleasantonca.gov/formscityofpleasantonca.govComEnergyandEnvironment> 5:00 p.m. the day of the meeting, March 24, 2021.

CALL TO ORDER

ROLL CALL

AGENDA AMENDMENTS

MINUTES

1. Approve special meeting minutes of January 27, 2021
2. Approve special meeting minutes of February 2, 2021.

MEETING OPEN TO THE PUBLIC

3. Public comment from members of the audience regarding items not listed on the agenda.

PRESENTATION

4. East Bay Community Energy presentation regarding Pleasanton's transition to service in April 2021

Accessible Public Meetings

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OTHER MATTERS BEFORE THE COMMITTEE

5. Review the draft strategies and actions for the Climate Action Plan Update 2.0

MATTERS INITIATED BY COMMITTEE MEMBERS: Brief reports on conferences, seminars, and meetings attended by Committee members.

ADJOURNMENT

Next meeting is a Special Meeting of the Committee on Energy and the Environment on April 21, 2021 at 5:00 p.m.

**MINUTES
CITY OF PLEASANTON
SPECIAL MEETING OF THE COMMITTEE ON ENERGY AND THE ENVIRONMENT
January 27, 2021**

CALL TO ORDER

Chairperson Brown called a teleconference special meeting of the Committee on Energy and the Environment to order at the hour of 5:00 p.m.

ROLL CALL

Committee Members Present: Catherine Brown, Eric Cartwright, Terry Chang, Bruce Daggy, Robert Gan, Joel Liu, Linda Kelly
Absent: None

AGENDA AMENDMENTS

None.

MINUTES

1. Approve the special meeting minutes of October 29, 2020 as submitted.
Motion by: Chang *Seconded by:* Cartwright
Ayes: Daggy, Liu, Gan, Chang, Cartwright, Kelly
Abstain: Brown

MEETING OPEN TO THE PUBLIC

2. Public Comment from members of the audience regarding items not listed on the agenda:

Jill Buck, CEO of Go Green Initiative and Pleasanton resident spoke on behalf of Go Green Initiative. She is planning summer internships on both water conservation and a waste project that focuses on educating the community on how to recycle and compost properly, food recovery, and reducing food waste in preparation of SB 1383. Jill encourages high school and college students to begin applying for the internships in March. Jill is also hiring a full-time employee to assist with the summer internship programs.

OTHER MATTERS BEFORE THE COMMITTEE

3. City Council 2021-2022 Two-Year Work Plan Prioritization Process

Sean Welch, Senior Management Analyst, provided an overview of the 2021 and 2022 Work Plan Prioritization Process. Mr. Welch explained that for the past approximately 15 years, the City Council has adopted a two-year work plan designed to inform the community of the Council's "shared vision," and to provide the City Manager with the policy direction needed to direct City resources, including preparation of the annual budget and capital improvement plan.

The priority setting process has typically included a City Council workshop for the purpose of discussing short- and long-term objectives for the City. Information for this workshop has typically included potential priority projects identified by the public, individual mayor and councilmember goals, projects identified by City staff, projects discussed collectively by the City Council, and not-yet completed priority projects previously approved by the City Council.

Following the identification and concurrence of priorities at this workshop, the Council adopts the priorities in the form of a two-year annual work plan at a later City Council meeting. The results then get incorporated into the City's annual budget and capital improvement plan.

There were four Energy and the Environment related Council priorities in the draft work plan, all of which were included in the previous plan. These include the following:

1. Evaluate and Implement Making Water conservation a Way of Life (Executive Order b-37-16)
2. Continue to Participate with Regional Agencies on studies of Water Supply Alternatives including Potable Reuse
3. Prepare Climate Action Plan 2.0
4. Consider a Single-Use Disposables (SUDs) Reduction Ordinance List relevant priorities and descriptions here

Staff recommended updating the Energy and the Environment related Council priorities to the following:

1. (REVISED) Climate Action Plan 2.0 – preparation and implementation
2. (NEW) Implement SB 1383 – Short-lived climate pollutants: methane emissions: dairy and livestock: organic waste: landfills (2015-16)
3. Evaluate and implement making “Water Conservation as a Way of Life”
4. Continue to participate with regional agencies on studies of water supply alternatives including potable reuse
5. Consider a Single-Use Disposables (SUDs) Reduction Ordinance

Committee Member Daggy agreed that the CAP 2.0 preparation and implementation should be ranked as number one, and noted that it covers a lot of what the Committee is working on. For number 3, “water conservation as a way of life” does staff see any additions to the purple pipes project on the horizon?

Kathleen Yurchak, Director of Operations and Water Utilities explained that purple pipes was a phased project, predominantly in the business park. There is no plan to expand the purple pipes in the next two years.

Committee Member Gan asked about what should make it as a standalone action, and what should fall under the CAP 2.0 implementation.

Becky Hopkins, Assistant to the City Manager, explained that the CAP 2.0 is a “catch-all” item and funding can be set aside for implementation. The CAP 2.0 actions are not set yet, but when the CAP 2.0 is passed by Council, then funding for implementation can begin.

Committee Member Cartwright was pleased with action one, and that it included implementation as well. Member Cartwright agrees with action two and three as well, but five actions may be too much to take on, and the Committee should consider taking on just the first three actions.

Committee Member Daggy agrees with Committee Member Cartwright. Number five should be taken off the list, and inquired about the details with number four.

Ms. Yurchak explained that action four is just beginning to start again, but was put on hold due to the pandemic.

Committee Member Liu noted that perhaps PFAS issues in our water should be on the list.

Ms. Yurchak explained that PFAS projects are being supported by Council and the community and is a priority for Council and is moving forward and funded. This work will continue whether it is a priority to this Committee or not.

Committee Member Chang inquired if the Committee would like PFAS to make it onto the priority list. She also remarked that she agrees with the first three actions as well. Number four is on hold until the next Council meeting, and number five will be influenced by County policy. She asked to remove four and five, and then add PFAS to the list.

Committee Member Daggy asked to rewrite number four so it includes PFAS, and drop number 5.

Committee Member Cartwright agreed, and asked to make number four more broad so that it encompasses more water topics.

Committee Member Liu inquired about whether EBCE should be on the priority list.

Ms. Hopkins explained that it is not needed to make EBCE a priority, but staff would be happy to bring EBCE updates forward as the Committee desires for discussion.

Public comment:

Becky Dennis, Pleasanton resident, described the need to have an accounting system to track emissions in all City operations and City Council decisions. Ms. Dennis would like there to be an accounting system that tracks emissions and natural carbon sequestration for development projects.

Ms. Campbell explained that the City will have a “CAPdash” tool that allows the City to track and measure progress and quantify success over time. This tool will show us in real-time how our emissions are changing. Ms. Dennis’ accounting tool goes beyond CAPdash and can be explored further if there is interest from the Community and the Committee.

Motion to approve the first three actions as is, and rewrite action four to “Continue to participate with regional agencies on studies of water supply alternatives including potable reuse and addressing water quality issues (e.g., PFAS)”, and remove action five from the list.

Motion by: Daggy **Seconded by:** Liu

Ayes: Cartwright, Chang, Daggy, Gan, Liu, Kelly, Brown

Noes:

Motion passes unanimously.

4. Select Chair and vice chair for 2021 for the committee on Energy and the Environment

Motion to make Vice Chair Chang the new Chair of the Committee:

Motion by: Cartwright **Seconded by:** Liu

Ayes: Cartwright, Chang, Daggy, Gan, Liu, Kelly, Brown

Motion to make Committee Member Liu the new Vice Chair of the Committee:

Motion by: Chang **Seconded by:** Cartwright

Ayes: Cartwright, Chang, Daggy, Gan, Liu, Kelly, Brown

Noes:

Motion passes unanimously.

5. Set 2021 meeting schedule for the Committee on Energy and the Environment

The Committee reviewed the proposed 2021 meeting schedule.

Regular Meetings

March 24, 2021 at 5:00 p.m.

May 26, 2021 at 5:00 p.m.

July 28, 2021 at 5:00 p.m.

September 22, 2021 at 5:00 p.m.

November 17, 2021* at 5:00 p.m.

* Note this is third Wednesday of the month due to Thanksgiving holiday.

Special Meetings

February 3, 2021 at 5:00 p.m.

April 21, 2021 at 5:00 p.m.

Motion to approve the schedule as proposed.

Motion by: Gan **Seconded by:** Kelly

Ayes: Cartwright, Chang, Daggy, Gan, Liu, Kelly, Brown

Noes:

Motion passes unanimously.

6. Climate Action Plan 2.0 action prioritization criteria weighting

Ms. Campbell provided a presentation on the CAP 2.0 action prioritization criteria weighting and explained that this was an informational item and no action was needed. Ms. Campbell explained that the universal list of actions that may be included in the CAP 2.0 may be extremely long. However, including too many actions in the CAP 2.0 is undesirable for several reasons including resources (e.g., cost and staff time) to complete the actions and feasibility to implement the actions proposed. Preferably, the CAP 2.0 includes a limited quantity of highly impactful actions that are implementable. The action prioritization criteria will weight/score the actions against each other to narrow down the universal list of actions which may be included in the CAP 2.0, to establish a prioritized shortlist of actions for inclusion.

The City Council affirmed the Committee's suggested action prioritization criteria as follows:

- **Effectiveness:** Action effectiveness including emissions-reduction and/or resilience-building potential
- **Cost:** Action cost to implement including affordability and expenditure timeframe for both the City and community
- **Co-Benefits:** Action realization of co-benefits including improved public health and job creation
- **Equity:** Action equity in the distribution of benefits and consideration of disadvantaged populations
- **Feasibility:** Action feasibility including degree of City control, regulatory or political constraints, and technological considerations
- **Support:** Action level of support from external partners and community
- **Urgency:** Action urgency given other policies¹

Criteria can be weighted a variety of ways. One factor to help determine the weighting is the CAP Community Survey (Survey #1). Survey #1 received 531 responses and gathered input across several questions. Attachment 1 provides a summary of the responses received. Based on the survey results, impact/effectiveness, feasibility, and cost are the most important criterion (though it should be noted that support was not an option in the survey).

One option is to apply equal weight for all criteria. Each of the criterion have been determined to be important to the City and chosen as a criterion, so equal weighting could be an appropriate approach. If all equal, each criterion would be weighted ~16.7%. However, Cascadia recommends against this approach preferring weighting that better reflects community priorities. As such, staff recommends the following weighting:

- **Effectiveness:** 24%
- **Cost:** 24%
- **Feasibility:** 22%
- **Co-Benefits:** 12%
- **Support:** 10%
- **Equity:** 8%

¹ This criterion would be applied during the implementation plan stage to determine which actions require more urgent action given other factors

Cascadia has noted that effectiveness and cost are typically among the highest weighted factors. These two factors were among the top three in the survey. While the survey ranks cost slightly lower than feasibility, staff recommends cost have a slightly higher weight due to Council feedback and conversations surrounding cost in the process to date.

Ms. Campbell noted that staff will request the Committee's direction on the weighting that should be applied to the criteria at the next Committee meeting.

Chair Chang inquired about what level of support means. Ms. Campbell clarified that level of support pertains to level of support from the community, businesses, and other stakeholders.

Committee Member Kelly remarked that the CAP 2.0 community survey needs to be more representative of the Pleasanton community. Ms. Campbell gave an update on outreach to date, and mentioned that a document with outreach to date will be available to the committee in March.

Public Comment:

Becky Dennis remarked that cost and effectiveness are difficult to calculate without having the numbers in place. Mr. Reda mentioned that quantifying GHG emission reductions are the main focus of the effectiveness criterion.

Jill Buck spoke about City Council's January decision on East Bay Community Energy, and was encouraged by Council and staff's support of the CAP 2.0.

MATTERS INITIATED BY COMMITTEE MEMBERS

Committee Member Daggy spoke on the Tri Valley Air Quality Community Alliance. The TVAQCA have a website with a report on air quality in the Tri-valley and encourages the Committee and the community to review the report. Member Daggy also spoke about agro-voltaic, the nexus of agriculture and solar power, and mentioned that this may be a topic that could be of interest to the Committee and can be connected as a CAP action.

Chair Chang would like to bring the website "theswitchison" to the Committee's attention. It is a great resource to help people electrify their homes.

ADJOURNMENT

The meeting was adjourned at 6:48 p.m.

Next special meeting: February 3, 2021 at 5pm

Respectfully Submitted,
Zachary Reda

Exhibit A – email correspondence to the Committee on Energy and the Environment

Email sent to the Committee on Energy and the Environment on January 25, 2021 from Matt Sullivan

Please send the following comments to the Energy and Environment Committee before their meeting on the 27th.

1. I assume the 2021-2022 City Council Priorities were established by the previous Council last year. This new Council may have significantly divergent goals, especially regarding growth and development. I realize that the Committee does not control the Council priority-setting timeline, but I believe that the new CAP needs to reflect new city priorities. I'm not suggesting that you hold up the CAP process, but that the goals be revisited after the new Council updates them. I will also send this email to the Council and suggest that they update the priorities as soon as possible.

2. Due to the ongoing work of the Committee to update the CAP, I would recommend that they hold monthly meetings from now on to ensure the development of the plan stays on track for committee goals. This needs to be a committee-driven process with public input, not a staff-driven process. Every other month does not provide the level of involvement necessary to make this indeed a community-driven plan.

In addition, I am resending my email from last November to the Committee regarding goals for the CAP. This is still relevant for the meeting on the 27th, and I will highlight my comments here (details in the email below):

- There is a lack of urgency in reducing GHG emissions drastically and focusing on "cost and feasibility," which will justify business as usual operations. The definition of feasibility and who determines it needs to be examined thoroughly. The SR does try to address this with a watered-down statement of action urgency based on other policies and is limited to the implementation phase, not for goal setting.
- The Committee needs to add a goal to ban natural gas from all new development as many other cities have done
- The whole concept of "growth" and "development" needs to be examined and redefined to ensure a sustainable society. We are just chasing our tails with the goals currently outlined unless we face this. This should be addressed through a city General Plan update.

Thank you,
Matt Sullivan

----- Forwarded message -----
From: Matt Sullivan
Date: Mon, Nov 30, 2020 at 10:42 AM
Subject: Climate Action Plan 2.0
To: Mayor and City Council
Cc: Nelson Fialho

Dear Mayor and Council,

I'm writing to provide input for the CAP 2.0 process. I realize this is after your November 17th meeting where you endorsed the goals established by the Committee on Energy and the Environment, but I still wanted to share my thoughts about the process. I will also post this on the Committee website.

I generally agree with the goals set out by the Committee – as they are primarily based on complying with legislation or Executive Orders – but what seems lacking is a sense of urgency. I'm sure you have heard the warnings from the U.N. Intergovernmental Panel on Climate Change (IPCC) that we must take drastic action within the next 10 years to reduce GHG emissions to avoid the devastating effects of climate change. But this plan is littered throughout with city planning-speak such as “the goals are aspirational” and we will take actions that are “feasible” and “costs will be weighed against benefits”. As anyone who has participated in city processes knows, this is code language that means that developers or business owners will decide what is feasible. The city will get the benefits of a streamlined CEQA process for new development (which generally conflicts with the reduction of GHG emissions) by adopting the legislative goals, but has no motivation to actually achieve them as they stand in the way of “growth”. A sense of urgency needs to be injected into this plan and new ways of thinking about “costs” and “benefits” needs to take place that values a livable planet over short term profits for developers or even city revenue.

Looking at Figure 1 in the 11/17/20 CC Staff Report reveals interesting facts and an opportunity for action that will immediately reduce GHG emissions. The largest reductions in emissions are from residential and non-residential electricity. This is due the increasing mix of renewables in the electric supply mandated by state policy (Renewable Portfolio Standard) and has little to do with any actions taken by the city. While these reductions will be permanent, as the supply mix reaches close to 100% renewables there will no further opportunity for improvement. On the other hand, the combined residential and non-residential natural gas emissions have increased. If the city mandated that all new development be all-electric (using existing, cost effective electric heat pump space and water heating technology), a drastic reduction in GHG emissions will result based on the renewables mix in the electric supply. This is an ordinance the city should pass immediately for all new development. At some point in time existing buildings will also have to “electrify” if we are to meet the carbon neutrality goal.

But the elephant in the room for achieving these goals is development, especially the acceleration of tech-driven growth we are starting to see. We cannot grow endlessly on a finite planet. Nor should we chase our tails trying to reduce emissions and at the same time endlessly approving new sources of emissions. Unfortunately, our state and city finances are structured on a model of endless growth. This leads to short term thinking and prioritizes profits for developers and city revenue over the long-term health of the environment and for the life forms that inhabit it. The whole concept of “growth” and “development” needs to be examined and redefined to ensure a sustainable society. This is a bigger question than can be resolved in the CAP. Our General Plan is 15 years old, and while it contains many programs and policies geared toward a sustainable city, we are not the same city we were 15 years ago. We face immense challenges and we need to address them comprehensively sooner rather than later and should do this now through a community-based General Plan update.

We will have a new Council in January who I hope will be more receptive to these ideas than the Councils of the recent past have been. I encourage you to use this CAP and your new Council majority as a springboard into something bigger that will bring true sustainability – environmentally, economically, and socially – to the community. Business as usual is not an option.

Thank you,
Matt Sullivan

Resident of Pleasanton

**Email sent to the Committee on Energy and the Environment on January 26, 2021 from
Becky Dennis**

January 26, 2021
Committee on Energy and the Environment
Agenda Item 3

Dear CEE members,

On November 17, 2020 the City Council reviewed the CEE's work on the CAP 2.0 update in order to provide feedback and policy direction to your Committee. During their discussion they expressed a desire to explore, and possibly include programs for quantified carbon sequestration. Their interest in carbon sequestration focused on its potential as a tool to offset the costs of emissions reductions and giving the City increased flexibility in meeting CAP 2.0 goals.

Given the Council's interest in exploring carbon sequestration, I request the Committee consider adding the following items to the CAP 2.0 and the City Council's workplan.

1. Explore opportunities for quantified carbon sequestration within The City of Pleasanton and through landowner partnerships within Pleasanton's Sphere of Influence.
2. Develop and implement a standardized carbon accounting system to track and estimate carbon emissions and sequestration.
3. Use standardized carbon accounting as a tool to provide Pleasanton's Commissions and Council with accurate assessments about the anticipated quantity of carbon emissions and/or potential carbon sequestration of projects and policies, as well as the cost associated to mitigate emissions or to implement sequestration.

The implementation of an accurate carbon accounting system would provide continuous metering and awareness of Pleasanton's progress in meeting CAP 2.0 objectives. Virtually all new policies and projects in the City's next workplan will both emit and sequester carbon in various proportions. Carbon accounting will allow the City to count and pool sequestered carbon from all projects as offsets against otherwise unavoidable emissions. It would also allow the City to conduct reliable cost-benefit analyses of dedicated carbon sequestration projects intended to provide offsets to Pleasanton's carbon emissions.

I will be attending your meeting should you have any questions. Or feel free to call. Thank you for your consideration.

Sincerely,

Becky Dennis
Pleasanton

**MINUTES
CITY OF PLEASANTON
SPECIAL MEETING OF THE COMMITTEE ON ENERGY AND THE ENVIRONMENT
February 3, 2021**

CALL TO ORDER

Chair Chang called a teleconference special meeting of the Committee on Energy and the Environment to order at the hour of 5:03 p.m.

ROLL CALL

Committee Members Present: Cartwright, Chang, Daggy, Gan, Liu, Brown
Absent: Kelly

AGENDA AMENDMENTS

None.

MEETING OPEN TO THE PUBLIC

1. Public Comment from members of the audience regarding items not listed on the agenda: no public comment

OTHER MATTERS BEFORE THE COMMITTEE

2. CLIMATE ACTION PLAN 2.0 ACTION PRIORITIZATION CRITERIA WEIGHTING

Zack Reda, Management Analyst, presented on the CAP 2.0 action prioritization criteria weighting. Mr. Reda began by defining the action prioritization criteria as follows:

- **Effectiveness:** Action effectiveness including emissions-reduction and/or resilience-building potential
- **Cost:** Action cost to implement including affordability and expenditure timeframe for both the City and community
- **Co-Benefits:** Action realization of co-benefits including improved public health and job creation
- **Equity:** Action equity in the distribution of benefits and consideration of disadvantaged populations
- **Feasibility:** Action feasibility including degree of City control, regulatory or political constraints, and technological considerations
- **Support:** Action level of support from external partners and community
- **Urgency:** Action urgency given other policies¹

Mr. Reda explained that this is an action item, and staff is seeking the Committee's direction on the weighting that should be applied to the criteria. Mr. Reda noted that the universal action list being considered for the CAP 2.0 is close to 200 actions.

To narrow down the universal action list, the next step is to undertake a multi-criteria analysis (MCA) to arrive at a prioritized shortlist of actions. Mr. Reda pointed out that the universal action list may be expanded further as we continue the CAP update process and as new ideas and potential actions emerge, including at the community workshop that will be held in spring. Actions added to the universal action list will be reviewed through the MCA lens, even if they are added later in the process.

¹ This criterion would be applied during the implementation plan stage to determine which actions require more urgent action given other factors

While the MCA will be qualitative, the consultant team will assign scores for each action based on best judgement drawing from available literature, peer city case studies, and consultant experience. They will develop score matrices to allow for a consistent and objective ranking process of the universal action list. In some cases, criteria will be divided into sub-criteria to inform the scoring process. These sub-criteria ensure that the evaluation considers the various facets of the criterion; for example, “feasibility” could consider an array of constraints ranging from City capacity, to regulatory, political, and technology constraints. Actions that land on different values for sub-criterion will be assigned an average score for that criterion.

Mr. Reda clarified that Criteria can be weighted a variety of ways. One factor to help determine the weighting is the CAP Community Survey (Survey #1). Survey #1 received 531 responses and gathered input across several questions. Attachment 1 provides a summary of the responses received. Based on the survey results, impact/effectiveness, feasibility, and cost are the most important criterion (though it should be noted that support was not an option in the survey).

One option is to apply equal weight for all criteria. Each of the criterion have been determined to be important to the City and chosen as a criterion, so equal weighting could be an appropriate approach. If all equal, each criterion would be weighted ~16.7%. However, Cascadia recommends against this approach preferring weighting that better reflects community priorities. As such, Mr. Reda recommended the following weighting:

- **Effectiveness:** 24%
- **Cost:** 24%
- **Feasibility:** 22%
- **Co-Benefits:** 12%
- **Support:** 10%
- **Equity:** 8%

To conclude his presentation, Mr. Reda posed the following questions to the committee to begin the discussion:

1. Which criteria does the Committee find should be given the highest weights? Is the ranking (most important to least) appropriate or would the Committee prefer the list to be reordered?
2. Does the Committee prefer a larger gap between the highest weighted criteria and the lowest (i.e., the weights will impact the scores to a greater degree)? What about a smaller gap? Or is equal weighting preferred?

Public comment:

Becky Dennis, Pleasanton resident, complemented the universal action list and explained the importance of carbon accounting, and deserves a high priority.

Committee Discussion:

Committee Member Gan said that he would like to move 2% from feasibility to equity because equity deserves more value.

Committee Member Cartwright said that he likes option 2, and effectiveness and cost should be weighted higher. He proposed putting effectiveness and cost at 25%, feasibility at 20%, and the other three equally weighted at 10%.

Committee Member Daggy appreciated the preview in the prior Committee meeting. Also he mentioned that the criteria are all tied to one another, and actions will naturally get elevated or pushed down. Committee member Daggy supports option 2, and generally is in support of staff’s weighting, but is open to minor tweaks.

Vice Chair Liu appreciated the introduction in the last meeting and prefers option 2, weighting. He agrees with Committee Member Cartwright’s weighting, because effectiveness and cost are very important, and feasibility is the next most important.

Committee Member Brown asked if other cities that staff have looked at have done equal weighting in the past. Ms. Campbell mentioned that the consultant team works with cities that typically choose to assign some form of weighting. Committee Member Brown agrees that effectiveness, cost and feasibility deserve the highest weighting.

Chair Chang's weighting varied slightly from others. She mentioned that level of support, co-benefits, and equity are very important and should be elevated. Feasibility should remain the same percentage, but remove 1% from effectiveness and 1% from cost, to give more to the bottom three actions.

Motion to approve Chair Chang's proposal

Motion by: Gan **Seconded by:** Chang

Ayes:, Chang, Gan,

Noes: Liu, Daggy, Brown, Cartwright

Absent: Kelly

Motion failed.

Alternative motion to approve Committee Member Cartwright's proposal:

Motion by: Brown **Seconded by:** Liu

Ayes: Chang, Liu, Gan, Cartwright, Daggy, Brown

Absent: Kelly

Motion passes unanimously.

MATTERS INITIATED BY COMMITTEE MEMBERS

Committee Member Brown attended City Council where the topic of potable reuse was discussed. Committee Member Brown was disappointed that the Committee was not informed and did not weigh in on this topic. Ms. Hopkins explained that the Committee serves at the pleasure of City Council, and City Council did not ask the Committee for guidance on this topic.

Committee Member Gan inquired about outreach and what else can be done to get the word out, specifically through surveys. Ms. Campbell explained that survey #2 should be available soon, which can be shared through networks in PUSD.

Chair Chang spoke with staff from the City of Livermore about their outreach. Livermore staff have "office hours" where people can drop in to speak with Livermore staff about their CAP 2.0 process. Ms. Campbell detailed our online outreach, especially with our City website, and mentioned that her contact information is available on the City CAP 2.0 website and people can reach out to set up times to meet and discuss the process. Chair Chang asked about how this can relate to Earth Day. Staff plans on teaming up with StopWaste to create regional virtual workshops for adults and children during the week of Earth Day. More details will be available as Earth Day gets closer.

ADJOURNMENT

The meeting was adjourned at 6:01 p.m.

Next regularly scheduled meeting: March 24, 2021 at 5pm

Respectfully Submitted,
Zachary Reda

Exhibit A – email correspondence to the Committee on Energy and the Environment

**Email sent to the Committee on Energy and the Environment on February 2, 2021
from Mick Hanou**

If anyone wish “to have a more detailed conversation or follow-up on any written comments you provide”, they are welcome to respond for clarification.

I’d like to provide a small bit of feedback regards the Weighting of the 6 criteria:

- I concur that the Effectiveness, Cost, and Feasibility are the most important. Giving them 70% works for me.
- I personally would weight Effectiveness and Feasibility more (25/25) as Cost (20) will work itself out as either able to be done or way too expensive.
- The other 30% are a bit nebulous or not quite defined for me, so I’ll leave comment off. I’ll just make the point that support could vary between City, Residents, Contractors, or other stakeholders. So when assessing Support for an action item, numerous entities need to be considered and themselves weighted. E.g. realize there will be times where some may have strong support, but it may be possible for just one entity to kill something.

One “Feedback” I would like you to pass on to the focus group handling Buildings and Energy:

- Regards Strategy A, Advance Building Decarbonization/ Electrification Plans (e.g. 1164).

O Having studied Thermodynamics when I was getting a geology/engineering degree, specifically with regard to electric-powered items (cars, houses, factories) and their cost to the environment, I learned something of interest. The electric power that is used in powering “engines” or in heating, is often less-efficient than direct use of petrol or natural gas. That is because the electricity is generated in a power plant, which burns said energy source (in those days it was coal in Farmington, N.M.), which then loses some in transmission, and also loses at the destination as electricity is not as efficient in powering the engine, or heating the home. The loss was such that converting to electricity (from gasoline) to power the car resulted in a loss of 40% - or stated another way, produced more CO₂. Heating a home with electricity produced in a power plant rather than a central heater was worse.

O Point is, more fuel is burned in producing the electricity than using it directly to power the car or heat the home. For years I was against Electric cars for that very reason.

O Therefore, the suggestion to retrofit homes to convert from natural gas to electricity actually worsens the greenhouse-gas, environmental situation.

O UNLESS (and this is the big caveat) all the electricity is from renewable – solar panels and wind.

I've been astutely concerned with CO2 increase since 1971, as I am aware of how it has changed in the last 500 MY and how hot the globe was due to high CO2 from volcanism, and how at least three times, that caused mass extinctions of up to 90% of species on the planet (e.g. end Permian).

- Regards new construction: I have as many solar panels as make sense on my roof. I'd encourage newly-built homes to have roofs full of panels and even forced to orient in a south-facing manner to maximize the power obtained. Doing that during construction is economically and logistically robust. However, they'll need power at night and on cloudy days. So they should still have a back-up conventional source for heat, UNLESS, they also have major battery back-up installed as well. (though there are environmental problems with batteries also – everything from the environmental impact of mining through the whole manufacturing chain, to eventual disposal of the waste.)

Please thank the Committee for their efforts. I've been through efforts like this (we called it decision analysis) both during my MBA studies and during my career involving multi-faceted efforts. One aspect of that decision analysis was having "meaningful, reliable information". Hence my share above. Glad you have a consultant to guide the Committee through the process. Good luck to you all.

Mick Hanou

Correspondence to the Committee on Energy and the Environment January 29, 2021 from Michael Grossman

Climate control includes groundwaterbasin subsidence. Subsidence causes ground surface to sink with the subsidence. Zone 7 Mocho wells 3 & 4 draw as much water as all other Zone 7 wells. Two City wells are located along Santa Rita Rd, just below Mocho Wells 3 & 4. The area above these subsiding wells is continually sinking as more water is drawn out than put back in.

Zone 7's annual report has a section about subsidence.

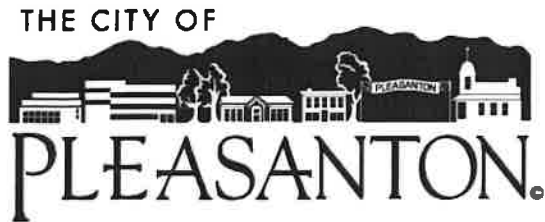
Pleasanton's homes above the groundwater basin and close to the arroyos are sinking dramatically. Their foundations sink and the homes sink, get twisted, have walls fall in or out, have walls pull away from floors and ceilings, have cracks, doors that can't close, and if unrepaired become uninhabitable.

Homeowners pay the costs to have piers placed under their foundations to level their homes. Home owners have to pay for leveling their foundations, then have to pay for the damage to their homes caused by subsidence sinking their home foundations. The costs go from about \$40,000 to into the \$100,000's. Some piers go down 40'. There is no bedrock. Just earth. The clay soil from surface to the groundwater basin can compact so hard that it becomes impervious to water. Then no surface water replenishes the groundwater basin. Homes are sold as is due to the known factor of foundations pulling away from homes.

City manager , Nelson Fialho and City manager Kuchiak sp?? are aware of this.

Since subsidence and home foundations sinking is part of climate change due to drought among other things, this should be one of your priorities before we sink like the Central Valley and become useless land.

Michael Grossman



The Committee on Energy and the Environment Agenda Report

March 24, 2021
Item 5

**SUBJECT: REVIEW THE DRAFT STRATEGIES AND ACTIONS FOR THE
CLIMATE ACTION PLAN UPDATE (CAP 2.0)**

EXECUTIVE SUMMARY

In February 2021, the Committee on Energy and the Environment (Committee) provided direction to staff on the proposed action prioritization criteria weighting. Staff also provided the Committee with the universal list of potential actions and strategies, and details on the multi-criteria analysis (MCA). The universal list of potential actions was refined further and went through an initial MCA review. Staff is providing the Committee with the results of the initial MCA review (i.e., a draft prioritized action and strategy list) and outreach completed to date. The draft prioritized action and strategy list may be expanded, reduced, or refined further through the course of the current outreach effort.

RECOMMENDATION

Receive information regarding the prioritized action and strategy list and outreach completed to date.

FINANCIAL STATEMENT

There is no financial impact to this action.

BACKGROUND/DISCUSSION

To prioritize the “long list” of potential actions for inclusion in the CAP 2.0, the consultant team (Cascadia) with input from staff, completed a multi-criteria analysis (MCA).

As discussed at prior Committee meetings, the first step of the MCA was to determine if the actions met the CAP 2.0 Vision and Guiding Principles. If so, they continued to the next step of evaluation. In the next step, each action received numerical scores based on the weighted action prioritization criteria:

- **Effectiveness (25%):** Action effectiveness including emissions-reduction and/or resilience-building potential
- **Cost (25%):** Action cost to implement including affordability and expenditure timeframe for both the City and community
- **Feasibility (20%):** Action feasibility including degree of City control, regulatory or political constraints, and technological considerations
- **Equity (10%):** Action equity in the distribution of benefits and consideration of disadvantaged populations
- **Co-Benefits (10%):** Action realization of co-benefits including improved public health and job creation
- **Support (10%):** Action level of support from external partners and community
- **Urgency:** Action urgency given other policies¹

While the MCA is qualitative, Cascadia assigned scores based on best judgement drawing from available literature, peer city case studies, and consultant experience. They developed score matrices to allow for a consistent and objective ranking process of the universal action list.

In some cases, criteria were divided into sub-criteria to inform the scoring process. These sub-criteria ensure that the evaluation considers the various facets of the criterion; for example, “feasibility” could consider an array of constraints ranging from City level of control to regulatory, political, and technological constraints. Actions that land on different values for sub-criterion were assigned an average score for that criterion. The analysis aims to prioritize the action list to a realistic and achievable quantity of highly impactful actions that will be implementable over the life of the plan.

Further details on the MCA process (e.g., sub-criteria) and the prioritized list of actions and strategies are included as Attachment 1.

The high priority actions are recommended to move forward to the next step of analysis and the low priority actions are recommended to be removed from consideration. While the MCA helps prioritize which actions to include in the CAP 2.0, staff acknowledges there may be some actions that did not receive a high priority, but that ultimately may be included in the plan as either supporting actions (e.g., community outreach and education) or because they are of particularly high importance to the community (e.g., carbon sequestration actions).

¹ This criterion would be applied during the implementation plan stage to determine which actions require more urgent action given other factors

In the current step of review of the draft actions and strategies, staff seeks input from several Committees, Commissions, and the community (including at a community workshop). The action list is still considered a draft, and may be expanded, reduced, or refined based on the public outreach process that is currently underway. Attachment 2 provides a complete list of outreach conducted to date, and planned future outreach events.

Following the public outreach process, staff will report the outreach outcomes to the Committee, make recommendations of actions to re-order (e.g., move an action from low priority to high priority) based on public input, and seek direction from the Committee on a recommended high priority list (i.e., a refined high priority list accounting for public input and Committee guidance). The refined high priority action list will go through a more detailed quantitative assessment which will include estimates of projected costs, and greenhouse gas emissions reductions for each action. The cost/benefit analysis will help determine the final list of actions included in the CAP 2.0.

Staff is providing this information to the Committee as an informational item only and does not seek any direction at this time. However, staff recommends the Committee review the information over the course of the next month as this is a crucial step of the process. As noted, the prioritized action and strategy list includes both high and low priority actions (i.e., approximately 200 actions) and staff will be asking for action at the next Committee meeting.

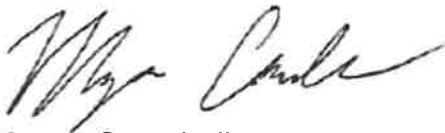
SUMMARY/CONCLUSION

The draft prioritized action and strategy list and outreach information is being shared with the public in the forthcoming community workshop and outreach to other Committees, Commissions, and stakeholders. Staff will present outcomes of the outreach with the Committee and the Committee will make the final recommendation on a refined high priority action list (i.e., which actions to include in the quantitative analysis).

Attachments

1. Draft CAP 2.0 Actions and Strategies
2. Public Outreach

Submitted by:



Megan Campbell
Associate Planner

Approved by:



Becky Hopkins
Assistant to the City Manager



Multi-Criteria Analysis Outcomes

For Pleasanton CAP 2.0 | March 4, 2021

Contents

Overview	2
Buildings & Energy	7
Materials & Consumption	11
Natural Systems	15
Water Resources	18
Transportation & Land Use	20
Community Resilience & Wellbeing.....	25

Overview

The Pleasanton CAP 2.0 draft strategies and actions are the product of the following process and inputs:







1. The Cascadia Consulting Group (Cascadia) team prepared an **initial list of draft strategies and actions**, based on Pleasanton’s past climate action, current best practices and best available science, and peer city efforts.
2. City of Pleasanton staff reviewed the initial list and recommended **changes to improve the feasibility and relevance of actions**.
3. The City convened **six focus groups and a workshop with the Energy and Environment Committee (EEC)** to discuss a short list of highly relevant actions that are high-priority and especially impactful; potentially controversial or divisive; and/or especially need collaboration or buy-in to implement. EEC discussed the full list of draft strategies and actions; the six focus groups covered specific topics and were organized as follows:
 - Buildings & energy
 - Transportation
 - Waste & materials
 - Water & natural resources
 - Business perspectives
 - Community perspectives
4. Cascadia and the City **revised the strategies and actions** based on input from the focus groups to generate the list in this document.
5. Cascadia and the City established **criteria and a scoring rubric for evaluating the actions**. Cascadia conducted a multi-criteria analysis (MCA) using the scoring rubric. Additional details on this analysis are provided below.
6. Cascadia **recommended 55 high-priority actions** for inclusion in the CAP 2.0. To determine high-priority actions, Cascadia considered overall priority score of the top 60 actions, the 10 top actions in each focus area, and the 3 top actions in each strategy. Actions in two or more of these categories were identified as high-priority actions. The final prioritized list (“High Priority Actions”) that meet these criteria will carry forward into a more comprehensive cost-benefit analysis. “Low Priority Actions” are proposed to be removed from the evaluation process unless flagged for further consideration.

This document includes the full list of draft strategies and actions currently being considered and summarizes the outcomes of the qualitative MCA process.

Multi-Criteria Analysis

The consulting team conducted an MCA of the comprehensive list of actions that were generated from City experience and expertise; review of other plans, policies, and best practices; and input from the community, Committee on Energy and Environment, and focus groups.

Criteria and weightings for the analysis were identified and refined through City and stakeholder review, summarized below:

Criterion	Weight	Definition/Subcriteria
 Effectiveness	0.25	What is the extent and likelihood that the action will reduce GHG emissions or enhance resiliency ? For adaptation actions: Does the action address a high climate risk ? For mitigation actions: Does the action address a high GHG emissions source ?
 Cost	0.25	What is the upfront and ongoing cost to the City ? What is the upfront and ongoing cost to the community ? Are there cost savings to the community and/or City?
 Feasibility	0.2	What is the City's level of control over action implementation? Are there regulatory, political, or technological constraints ?
 Level of Support	0.1	Do residents support/agree with the action? Do businesses and external partners support/agree with the action?
 Equity	0.1	Does the action address the needs of vulnerable and historically marginalized populations ? Does the action reduce vulnerability for all populations ? Is it fair? Are benefits distributed evenly across the community?
 Co-benefits	0.1	Does the action advance high-priority co-benefits ?

Ranking Definitions

Each ranking category was defined to allow for an objective and consistent analysis across actions. Ranking definitions for each subcriteria are provided below for reference.

Effectiveness		
	Likelihood of creating impact/reductions	Level of need (e.g., high/low emissions source or climate risk)
1	Very unlikely - voluntary/indirect action with limited reach/scaling (i.e., very low impact/reductions)	Addresses a very minor need - Mitigation: very low emissions source Adaptation: very low climate risk for City/community.
2	Unlikely - voluntary/indirect action with broad reach/scale (i.e., low impact/reductions)	Addresses a minor need - Mitigation: low emissions source (e.g., solid waste and municipal emissions) Adaptation: low priority climate risk for City/community.
3	Somewhat likely - voluntary/indirect, but with financial incentives (i.e., moderate impact/reductions)	Addresses an average need - Mitigation: average emissions source Adaptation: average climate risk for City/community (e.g., landslides & flooding).
4	Likely - regulatory/infrastructure project, but with limited reach/scaling (i.e., high impact/reductions)	Addresses a higher-than-average need - Mitigation: high emissions source (transportation & building energy) Adaptation: high climate risk for City/community (e.g., wildfire & smoke, extreme heat, water supply & drought).
5	Very likely - regulatory/infrastructure project with broad reach/scale (i.e., very high impact/reductions)	Addresses a very major need - Mitigation: very high emissions source Adaptation: very high climate risk for City/community.

Cost			
	Cost to City (includes startup and ongoing maintenance costs—over 10 years)	Direct cost to community (upfront and ongoing cost - over 10 years)	Cost savings (over 10-year lifetime)
1	Very high - will require VERY HIGH investment of City resources (>\$10 mil - large infrastructure projects).	Very high - action will present SIGNIFICANT costs across the ENTIRE community (>\$200 per household).	No net cost savings (negative ROI).
2	High - will require HIGH investment of City resources (\$1-10 mil - moderate infrastructure projects and large programs).	High - action will present SIGNIFICANT costs to SOME in the community (>\$200 per household).	N/A
3	Moderate - will require MODERATE investment of City resources (\$100k-\$1 mil - larger plans, policies, and small programs).	Moderate - action will present MODERATE costs across the community (\$25-\$200 per household).	No net cost savings (neutral) OR Unknown (more study needed).
4	Low - will require LOW investment of City resources (<\$100k - simple policy changes, studies, and small plans).	Low - action will present MINIMAL costs across the community (<\$25 per household).	N/A

Cost			
	Cost to City (includes startup and ongoing maintenance costs—over 10 years)	Direct cost to community (upfront and ongoing cost - over 10 years)	Cost savings (over 10-year lifetime)
5	Very low - can be completed with little to no City resources.	Very low- action will NOT present any additional costs to the community.	Net cost savings (positive ROI).

Feasibility	
City's role (i.e., level of control)	Regulatory, political, technological constraints
1 Very low - City's role would be largely as advocate (i.e., action led by external implementing entity).	Very low - action currently UNVIABLE given current regulations, politics, and/or technologies.
2 City would be voluntary partner with implementing entity.	Low - action LIKELY to encounter challenges given current regulations, politics, and/or technologies.
3 Moderate - City would be official partner (e.g., MOU) with implementing entity.	Moderate- action MAY encounter challenges given current regulations, politics, and/or technologies.
4 High - City would be funder of implementing entity.	High - action UNLIKELY to encounter challenges given current regulations, politics, and/or technologies.
5 Very high - City would be implementor or regulator.	Very high - no challenges anticipated given current regulations, politics, and/or technologies.

Level of Support	
Resident support/agreement	Business & external partner support/agreement
1 Very low - MOST residents STRONGLY OPPOSE the action.	Very low - MOST business/external partners STRONGLY OPPOSE the action.
2 Low - SOME residents STRONGLY OPPOSE the action.	Low - SOME business/external partners STRONGLY OPPOSE the action.
3 Moderate - SOME residents OPPOSE the action.	Moderate - SOME businesses/external partners OPPOSE the action.
4 High - SUPPORT within the resident community.	High - SUPPORT among businesses/external partners.
5 Very high - residents STRONGLY SUPPORT the action.	Very high - businesses & external partners STRONGLY SUPPORT the action.

Equity		
Addresses vulnerable/marginalized populations?	Reduces vulnerability? Fair?	Distribution of benefits

Equity			
1	Very low - action will DEFINITELY NEGATIVELY affect vulnerable/marginalized populations.	Very low - action will DEFINITELY INCREASE vulnerability for ALL and is UNFAIR to ALL.	Very low - ALL benefits and costs are accruing to different sectors of the community.
2	Low - action MAY NEGATIVELY affect vulnerable/marginalized populations.	Low - action DEFINITELY INCREASES vulnerability for SOME and is UNFAIR to SOME.	Low - SOME benefits and costs are accruing to different sectors of the community.
3	Moderate/Neutral - action DOES NOT HARM NOR BENEFIT vulnerable/marginalized populations.	Moderate/Neutral - action DOES NOT AFFECT VULNERABILITY or FAIRNESS.	Moderate/neutral - action DOES NOT AFFECT distribution of benefits and costs in the community.
4	High - action MAY BENEFIT vulnerable/marginalized populations.	High - action DEFINITELY REDUCES vulnerability for SOME and is FAIR to SOME.	High - MOST benefits are accruing to the sectors of the community that are bearing the costs of the action and may be accruing to other sectors of the community as well.
5	Very high - action will DEFINITELY BENEFIT vulnerable/marginalized populations.	Very high - action will DEFINITELY REDUCE vulnerability for ALL and is FAIR to ALL.	Very high - ALL benefits are accruing to the sectors of the community that are bearing the costs and may also benefit other sectors of the community.

Co-benefits	
Advances high priority co-benefits? (e.g., improved public health, job creation, habitats & ecosystems, resiliency, mobility & transportation)	
1	Very low - action does not advance ANY high priority co-benefits.
2	Low - action may INDIRECTLY advance ONE OR TWO high priority co-benefits.
3	Moderate - action DIRECTLY addresses ONE high priority co-benefit.
4	High - action DIRECTLY addresses TWO OR THREE high priority co-benefits.
5	Very high - DIRECTLY addresses FOUR OR FIVE high priority co-benefits.

Buildings & Energy

Goal

Reduce GHG emissions from buildings and associated energy consumption and increase buildings and energy resilience.

Completed/Ongoing Actions

ID	Action	Action Description
	Green Building Code	Continue to implement the Municipal Code, including Chapter 17.50 Green Building which is intended to create a more sustainable community by incorporating green building measures into the design, construction, and maintenance of buildings

Strategy 1: Advance the decarbonization of buildings.

Shift to electric fuels in all new and existing buildings to achieve zero-net carbon buildings.

High Priority Actions

ID	Action	Action Description							Priority Score
1001	All-electric reach code	Adopt an all-electric building reach code for new construction that limits the development of new gas infrastructure where economically feasible. Ensure solutions are equitably tailored to different building, ownership, and use types.	4.5	4.3	4.5	3.0	3.7	4.0	4.2
1164	Existing Building Electrification Plan	Develop an Existing Building Electrification Plan to advance electrification of existing residential and non-residential buildings. Include regulatory, incentive, and outreach approaches for converting from natural gas and propane to clean electricity. As a part of this effort: <ul style="list-style-type: none"> Conduct an existing building electrification analysis to identify areas of opportunities, building types, and prerequisites needed to make electrification cost-effective in the community. Work with EBCE to identify critical municipal facilities where solar/storage systems will be the most effective. Use a phased approach that focuses first on municipal buildings, community education, and voluntary communication action, then becomes mandatory over time. Leverage partnerships to provide financial incentives for existing residential and commercial building electrification, such as EBCE's Resilient Home program. As part of the Electrification Plan consider the following:	3.5	4.3	5.0	3.0	3.0	4.0	4.0

ID	Action	Action Description							Priority Score
		<ul style="list-style-type: none"> Disclosures for permitting to improve compliance, electric panel upgrades, and electrification upon replacement. Consider limiting approval of permits for new natural gas HVAC and/or hot water heaters upon replacement. Local policies that incentivize electrical panels upgrades that prepare buildings for full electrification, such as streamlined permitting. Adopting an electrification ordinance for existing buildings, implemented through the building permit process, to transition natural gas to electric. 							
1004	Electrification outreach	Continue to conduct education, outreach, and promote financial incentives on commercial and residential energy efficiency and electrification.	2.5	3.7	5.0	5.0	3.0	3.0	3.6
1171	Hot water heater outreach and education	Conduct education and outreach on hot water heater replacements, including promoting financial incentives from EBCE and BayREN.	2.5	3.7	5.0	5.0	3.0	3.0	3.6

Low Priority Actions

ID	Action	Action Description							Priority Score
1166	Regional electricity grid improvements	Work with EBCE and regional municipalities to develop a plan for a robust regional electrical grid that minimizes the risk of power outages and demand for diesel or gas generators. Opportunities may include a utility scale solar farm and small-scale solar with storage	2.5	4.0	3.5	5.0	3.0	4.0	3.5
1170	Low-carbon backup generation	Develop incentives and promote the use of lower-carbon fuel sources for backup generation.	2.0	3.7	4.0	4.5	3.0	4.0	3.4
1144	Refrigerant management in existing buildings	Pilot retrofit and financing mechanisms to improve refrigerant management in existing construction. Substantial emissions reductions could be achieved through the adoption of practices to avoid leaks from refrigerants and destroying refrigerants at end of life, both after the adoption of HFC-alternatives.	1.0	3.7	3.5	3.0	3.0	2.0	2.7
1169	Refrigerant management in new construction	Require that all new construction utilize the lowest GWP refrigerants available for equipment and systems.	1.5	2.0	4.0	3.0	3.0	2.0	2.5

Strategy 2: Improve energy consumption & efficiency.

Manage energy demand and improve energy efficiency in all sectors to reduce greenhouse gas emissions.

High Priority Actions

ID	Action	Action Description							Priority Score
1013	Revolving loan fund	Establish a revolving loan fund for home performance audits and system upgrades, prioritizing funding to those in vulnerable communities.	3.5	4.0	4.5	5.0	3.7	3.0	3.9
1217	Modify Municipal Code definition of covered projects	Modify the Municipal Code to expand the definition of “covered projects” (within the Green Building Chapter of the Municipal Code) to cover all new commercial buildings, commercial project renovations greater than 10,000 square-feet, and all new residential homes.	3.0	4.7	5.0	4.0	3.0	2.0	3.8
1176	Community energy efficiency upgrades	Promote use of energy efficiency improvements (e.g., window upgrades, LED lighting) across the community through incentives, partnerships, and/or education and outreach. Focus outreach and resources on households and businesses in vulnerable communities.	2.0	4.3	5.0	5.0	3.3	3.0	3.7
1167	LEED certification for new construction	Modify the Municipal Code to require commercial “covered projects” (within the Green Building Chapter of the Municipal Code) to qualify for LEED silver certification.	3.5	3.7	4.5	3.0	3.0	3.0	3.6

Low Priority Actions

ID	Action	Action Description							Priority Score
1008	Conduct municipal energy retrofits	Conduct energy retrofits of existing City facilities and equipment.	2.0	3.7	4.5	5.0	3.0	3.0	3.4
1014	Passive lighting	Promote use of solar tubes, skylights and other daylighting systems through incentives, partnerships, and/or education and outreach with contractors.	1.0	4.0	5.0	4.5	3.0	2.0	3.2
1160	State Building Energy Disclosure Program	Implement the State Building Energy Disclosure Program by conducting outreach to large building owners (i.e., >50,000 sq. ft.) on the requirements of AB 802 and incentivizing voluntary disclosure for residential buildings.	2.0	4.0	4.0	3.0	3.0	2.0	3.1
1177	Energy benchmarking for new construction	Require energy benchmarking for new construction to compare the energy performance of buildings over time and across the City to inform and motivate performance improvement.	2.5	3.0	4.0	2.5	2.7	2.0	2.9

Strategy 3: Expand renewables

Maximize renewable energy generation and storage capacity.

High Priority Actions

ID	Action	Action Description							Priority Score
1119	Maintain zero-emissions energy as default EBCE choice	Maintain a default EBCE choice for the community that ensures the community is receiving zero-emission energy.	4.5	3.3	5.0	3.5	2.3	2.0	3.7
1175	Maintain highest EBCE choice for municipal operations	Maintain the highest renewable energy choice as the default for all municipal facilities, including opportunities to secure Power Purchase Agreements with other EBCE jurisdictions.	3.5	2.7	5.0	5.0	3.0	4.0	3.7
1173	Municipal solar panels	Install solar panels and storage at parking lots, parks, library, senior centers, and other municipal buildings.	2.5	4.0	3.5	5.0	3.0	4.0	3.5

Low Priority Actions

ID	Action	Action Description							Priority Score
1020	Streamline permitting of energy storage systems	Streamline permitting for implementation for energy storage infrastructure.	1.5	4.0	5.0	5.0	3.0	3.0	3.5
1163	Require solar on new construction	Modify the Municipal Code covered "commercial projects" (within the Green Building Chapter of the Municipal Code) to include solar installation that covers the power needs of the new development.	3.0	2.3	4.0	3.5	3.0	3.0	3.1
1022	Parking lot solar panels for EVs	Install solar panels at public parking lots to support EV charging stations.	2.0	3.3	3.5	4.0	3.0	2.0	2.9

Materials & Consumption

Goal

Reduce GHG emissions from materials management and consumption.

Ongoing/Completed Actions

ID	Action	Action Description
1124	Local purchasing	Promote local purchasing for businesses and residents to support local vendors, services, and stores and to reduce GHG emissions from commerce-related transportation and food production and distribution.

Strategy 1. Increase waste diversion.

Increase waste diversion from landfills and optimize collection and disposal systems to minimize greenhouse gas emissions.

High Priority Actions

ID	Action	Action Description							Priority Score
1043	Food recovery program	Establish a robust food recovery program to reduce edible food waste, support community members, and protect against disruptions, including working with food rescue organizations and commercial kitchens. Conduct a baseline assessment of edible food waste and capacity analysis of existing organizations (as required by SB1383).	2.0	4.0	4.0	4.0	4.3	3.0	3.4

Low Priority Actions

ID	Action	Action Description							Priority Score
1041	Waste recovery implementation plan	Develop a SB 1383 waste recovery implementation plan to work toward zero landfill emissions. Collaborate with regional partners like StopWaste, waste haulers, food recovery organizations, and neighboring cities to establish a regional approach to SB 1383 compliance.	2.5	3.7	3.5	3.5	3.7	3.0	3.3
1106	Comply with state waste ordinances	Comply with state solid waste ordinances, including AB1826, AB341, and SB1383.	3.0	3.0	4.0	3.0	3.7	2.0	3.2
1194	Single use plastic reduction	Continue to explore viable paths to reduce single use plastic, and/or viable and environmentally sound recycling, composting, or incineration of plastics.	1.0	4.3	5.0	5.0	3.0	1.0	3.2

ID	Action	Action Description							Priority Score
1042	Special event waste diversion policy	Update the Municipal Code to require large and special events producers to require that all third-party vendors provide and utilize compostable and/or reusable food service items to serve 50 or more people, provide recycling and composting infrastructure, and plan and divert waste from landfill after the event.	2.5	3.3	4.0	3.0	2.7	2.0	3.0
1193	Recycling & composting outreach	Work with Pleasanton Garbage Service to improve education and outreach around recycling and composting.	1.5	4.0	3.5	5.0	3.0	1.0	3.0
1045	School and NGO funding and technical assistance	Partner with StopWaste and/or haulers to expand funding and technical assistance to non-profit organizations, schools and other entities to increase waste diversion.	1.5	3.7	3.5	4.0	3.0	1.0	2.8
1121	Promote StopWaste programs for businesses	Work with StopWaste to promote participation in waste reduction and reusable programs (e.g., StopWaste Use Reusables), for businesses to incorporate more sustainable waste practices.	1.0	4.0	3.5	4.0	2.7	1.0	2.7
1044	Reduce single-use packaging waste	Work with StopWaste to support the development of local infrastructure that enables greater adoption of reusables for dine-in restaurants and sustainable takeout foodware. This could include funding a Rethink Disposables program that reduces single-use disposables of foodservice ware at businesses.	1.0	3.7	3.5	4.0	2.7	1.0	2.6
1195	County composting facility	Work with the County and local jurisdictions to construct a composting facility in the County.	1.5	3.3	3.5	3.0	2.3	1.0	2.5

Strategy 2. Enhance sustainable consumption.

Enhance sustainable and accessible production and reduce consumption to minimize greenhouse gas emissions.

High Priority Actions

ID	Action	Action Description							Priority Score
1047	Environmentally preferable purchasing policy	Adopt an Environmentally Preferable Purchasing Policy. Include alternatives for the most carbon-intensive materials that the City purchases, such as building materials (e.g., concrete, metals, etc.).	3.5	4.0	4.5	4.0	3.0	1.0	3.6
1126	Collaborative consumption projects	Use mini-grant programs to support "collaborative consumption" community projects like tool libraries and repair cafes.	2.5	4.3	5.0	4.0	3.3	2.0	3.6

ID	Action	Action Description							Priority Score
1127	Collaborative consumption education and outreach campaign	Work with local and regional partners to conduct a public education and outreach campaign around local options for tool-lending libraries, car share, swap events, service websites, and exchange websites like Facebook's Buy Nothing groups. Explore potential for onsite community partnership programming to teach repair skills and promote local repair businesses	2.0	4.3	5.0	4.0	3.7	2.0	3.6
1130	CalFresh, WIC & Senior FMNP expansion	Expand ability to use CalFresh, Women, Infants, and Children (WIC), and WIC and Senior Farmers Market Nutrition Program (FMNP) benefits for Community Supported Agriculture (CSAs) and farmers markets by working with CSAs to allow these funding sources and increasing MarketMatch at the Pleasanton Farmers Market.	2.5	4.7	4.5	3.0	4.3	4.0	3.6
1137	Job training for repairs	Partner with local organizations to support job training for repair of common tools and equipment.	1.5	4.3	5.0	4.5	3.3	3.0	3.5

Low Priority Actions

ID	Action	Action Description							Priority Score
1138	Repair industry	Include the repair industry in economic development strategies and use economic development tools such as grants, tax exemptions, and consumer incentives to help them stay in the community and not be "pushed out" by more lucrative industries.	1.5	4.3	5.0	4.5	3.3	3.0	3.5
1123	Circular economy education campaign	Educate residents and consumers on consumption-based emissions impacts and the circular economy.	2.5	3.7	5.0	4.0	3.0	2.0	3.4
1155	Updated C&D debris ordinance	Review and update Ordinance 1992 (Construction & Demolition Debris) to further promote deconstruction and recycling.	4.0	3.7	3.5	3.5	2.3	2.0	3.4
1048	Low impact business development	Partner with existing businesses to develop materials and incentives to reduce their carbon footprint (e.g., transit subsidies, Environmentally Preferable Purchasing Program toolkits, and climate action grant programs).	2.5	3.7	4.5	4.0	2.7	2.0	3.3
1128	Locally produced food	Expand and encourage public community gardens, urban agriculture, and community supported agriculture (CSA). For example, expand the Pleasanton Community Garden, establish additional community garden(s), promote programs to teach residents how to garden, and feature CSAs in City newsletters.	2.0	4.3	2.5	4.5	3.3	4.0	3.3
1156	Municipal facility deconstruction	Lead by example: Deconstruct municipal facilities that would normally be demolished, and document as a case study to show how the environmental benefit contributes to sustainability goals and CAP 2.0.	3.0	3.3	4.0	3.0	3.0	3.0	3.3

ID	Action	Action Description							Priority Score
1157	New construction designed for disassembly	Lead by example: Construct new municipal facilities using Designs for Disassembly, which is a suite of principles that allow building components to be extracted from buildings in a reusable form.	3.0	3.3	4.0	3.5	3.0	3.0	3.3
1161	Product lifecycle policy for Municipal projects	Adopt a City policy that requires a total cost of ownership and life-cycle analysis of greenhouse gas impacts in Municipal project requests for proposals.	3.5	3.7	4.0	3.5	3.0	1.0	3.3
1197	Sustainable packaging education campaign	Educate residents and consumers on sustainable packaging techniques and methods to reduce consumption-related waste.	2.0	4.0	5.0	4.0	3.0	1.0	3.3
1198	Embodied carbon reduction plan	Develop an Embodied Carbon Reduction Plan to reduce the carbon content of materials. Include policy, regulatory, incentive, and outreach approaches. This Plan should consider: <ul style="list-style-type: none"> • Whole building lifecycle analysis for new construction and incentives for achieving reductions (formerly Action 1142) • Partnerships to promote low-carbon products (formerly Action 1139) • Encourage carbon-smart and recycled building materials (formerly Action 1129) • Introduce a low-carbon concrete ordinance to enable recycled pavement/waste streams (formerly Action 1158) • Education campaigns and resources (formerly Actions 1140 and 1141) 	2.5	4.0	4.0	3.5	3.0	1.0	3.2
1125	Eco-Industrial development	Work with regional partners to promote eco-industrial development in the area, in which a waste stream from one firm becomes the raw material for another, thus minimizing the use of raw materials.	3.0	3.7	2.5	4.0	2.3	2.0	3.0
1196	Advocate for recycling buyback centers	Conduct advocacy to state legislators about re-opening recycling buyback centers.	1.0	4.3	2.5	4.0	3.0	2.0	2.7

Natural Systems

Goal

Foster resilient natural landscapes and optimize local carbon sequestration.

Ongoing/Completed Actions

ID	Action	Action Description
1149	Integrated Pest Management	Provide resources and clear policy for utilizing Integrated Pest Management (IPM) practices on City properties.

Strategy 1: Increase land carbon sequestration.

Improve natural lands and systems, including trees and soil, to increase the potential to store and sequester carbon.

High Priority Actions

ID	Action	Action Description							Priority Score
1202	Modify municipal landscape management practices	Modify municipal landscape management practices including: <ul style="list-style-type: none"> Replace synthetic nitrogen fertilizer with soil amendments such as manure or other organic by-products (e.g., compost and mulch) on city-owned properties to increase carbon sequestration potential, increase drought- and flood-resistance of soil and further SB 1383 compliance. Improve organic nutrient management by managing the amount, source, placement, and timing of plant nutrients and soil amendments in City parks, green spaces, and natural areas. Eliminate the use of toxic pesticides and herbicides. 	2.5	4.7	5.0	4.5	3.0	4.0	3.9
1150	Develop Urban Forest Master Plan	Develop an Urban Forest Master Plan that includes best practices for tree health and maintenance and reevaluates community tree regulations to protect existing canopy and to ensure trees are replanted with a "right sized tree" with sufficient tree well and/or rooting volume.	2.0	4.0	5.0	3.0	4.7	5.0	3.8
1051	City-wide tree planting program	Implement a city-wide tree planting education and incentive program, with a focus on resilient shade trees in areas with high vulnerability and low canopy cover. Ensure proper space considerations are given to support tree well and rooting volume.	2.5	4.0	5.0	4.0	4.0	4.0	3.8

1219	City property carbon sequestration	Identify and implement carbon sequestration projects on City property where feasible (e.g., soil at City parks).	3.0	3.7	4.5	4.0	3.3	4.0	3.7
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Low Priority Actions

ID	Action	Action Description							Priority Score
1050	Carbon sequestration projects on private property	Encourage composting on private lands to increase carbon sequestration potential, increase drought and flood-resistance of soil, and further SB 1383 compliance. Strategies may include: <ul style="list-style-type: none"> • Subsidizing the cost of compost. • Increasing awareness through education campaigns. • Requiring the use of compost in new landscape projects. 	2.5	3.0	4.0	3.0	3.0	4.0	3.2
1201	Track carbon sequestration	As part of the GHG emissions inventory process, develop carbon accounting to track and measure the amount of carbon stored and/or sequestered in Pleasanton.	2.5	3.7	4.0	4.0	3.0	2.0	3.2
1220	Carbon sequestration research	Work with regional partners (e.g., StopWaste) and neighboring jurisdictions to develop methods to track carbon sequestration in the urban landscape. Stay apprised of leading research and technological advancements available to mechanically capture carbon.	2.5	4.0	3.5	4.0	3.0	2.0	3.2

Strategy 2: Improve ecosystem resilience.

Increase the resilience of natural lands and systems to prepare for future climate impacts.

High Priority Actions

ID	Action	Action Description							Priority Score
1145	Native plantings	Require native, drought-tolerant plantings in future development projects where new landscaping is proposed.	4.5	4.0	5.0	2.5	3.0	3.0	4.0
1208	Adopt new tree guidelines	Establish improved guidelines for City trees to ensure they prioritize native, drought-tolerant, and carbon sequestering species.	4.0	4.7	5.0	3.0	3.0	2.0	4.0
1207	Sustainable land management education	Encourage lawn conversion, rainwater harvesting, and improved home landscape design through education.	3.0	4.7	5.0	4.0	3.0	2.0	3.8

ID	Action	Action Description							Priority Score
1099	Restore and conserve native grassland, rangeland, and riparian habitats	Identify, restore, and conserve native grassland, rangeland habitat, and riparian habitat, such as conserving woodland riparian habitat areas and habitat near canals and streams, to mitigate flooding risk and to improve water quality. Expand creek conservation and advocacy programs through collaboration with Zone 7, Living Arroyos, and/or the Watershed Project.	3.5	3.3	4.5	4.0	3.0	4.0	3.7

Low Priority Actions

ID	Action	Action Description							Priority Score
1148	Ecosystem health on City property	Assess the health of natural systems and trees on City property, including parks and rights-of-way. Support Zone 7's assessment of natural systems on their property as needed. Develop goals and restoration strategies to improve habitat quality, tree canopy cover, and provide sufficient soil rooting volume for trees.	2.5	3.7	5.0	3.0	4.0	4.0	3.6
1204	Community conservation programs	Develop a Library and Recreation program dedicated to conservation and stewardship projects for different age groups.	2.0	4.0	5.0	3.5	3.0	3.0	3.5
1100	Invasive species outreach	Partner with community programs and organizations, such as Living Arroyos, to identify, monitor, and remove invasive species and plants.	3.5	2.3	5.0	2.0	3.3	3.0	3.4
1146	Habitat restoration for new development	Require private development to address habitat restoration issues onsite before development and explore options for enhanced requirements. This could include requiring new development to be visually compatible with the character of surrounding areas, and, where feasible, restore and enhance degraded areas adjacent to the property.	2.5	3.7	4.5	3.0	3.0	2.0	3.3
1205	Increase littering fines	Increase fines for littering (e.g., dog litter) on trails, creeks, and parks.	2.0	3.7	4.0	4.0	3.3	2.0	3.2
1206	Construct wildlife crossings	Construct wildlife crossings around perimeters of City to allow local wildlife to cross roadways safely.	2.0	3.3	4.5	3.5	3.0	3.0	3.2

Water Resources

Goal

Conserve and prepare community water resources for a changing climate.

Ongoing/Completed Actions

ID	Action	Action Description
1132	Smart water meter installation	Continue to expand installation of smart water meters.
1133	Water Conservation Program	Continue to promote City's Water Conservation Program including rebates, workshops, and outreach
1147	Drought-tolerant landscaping	Continue to provide incentives/rebates for native and drought-tolerant residential and commercial landscaping and removal of grass turfs/lawns. <i>City of Pleasanton and Zone 7 both have rebate programs currently.</i>

Strategy 1: Improve water supply & conservation.

Improve water infrastructure and expand water reuse to reduce community-wide water consumption.

High Priority Actions

ID	Action	Action Description							Priority Score
1134	Recycled water education	Educate residents and consumers on the use and benefits of recycled water.	2.5	4.0	5.0	5.0	3.0	3.0	3.7
1087	Water fixture retrofits	Develop incentives and direct install programs to retrofit inefficient water fixtures in existing properties.	2.5	3.3	5.0	5.0	3.0	3.0	3.6
1094	Diversify water portfolio	Diversify water supply portfolio and expand current sources (e.g., purple pipe expansion and recycled water).	4.0	3.0	3.0	5.0	3.0	3.0	3.5
1200	Improve water quality & supply	Work with Zone 7 Water Agency to continue to monitor and address PFAS in water supply, and study water supply diversification.	2.5	4.0	4.0	5.0	3.0	3.0	3.5

Low Priority Actions

ID	Action	Action Description							Priority Score
1105	Adopt water-efficient landscaping ordinances	Update the Municipal Code to require native/water-efficient landscaping on new development that exceeds state standards.	3.0	3.3	5.0	3.0	3.0	3.0	3.5

ID	Action	Action Description							Priority Score
1090	Rainwater harvesting	Implement rainwater harvesting program that provides equipment and education.	2.5	4.3	3.5	5.0	3.0	2.0	3.4

Strategy 2: Improve stormwater resilience.

Increase the resilience of stormwater infrastructure to prepare for changes to flow and quality.

High Priority Actions

ID	Action	Action Description							Priority Score
1092	Stormwater runoff reuse	Investigate the feasibility of using stormwater runoff, if all water quality measures are in place, for irrigation and groundwater recharge.	2.0	4.0	4.5	5.0	3.0	4.0	3.6
1098	Stormwater infrastructure sizing	Ensure that future grey and green stormwater infrastructure and retrofits are adequately sized to be able to handle future flows and storms due to climate change.	2.0	3.7	5.0	5.0	3.0	4.0	3.6
1136	Green Stormwater Infrastructure Plan	Develop a Green Stormwater Infrastructure Plan to ensure a sustainable approach for managing stormwater runoff. The plan should include actions to replace traditional grey infrastructure with bioretention areas, green roofs, pervious pavement, and rainwater catchment. Plan should include the following: <ul style="list-style-type: none"> • Exploration of opportunities to retrofit or integrate green infrastructure into existing and new City facilities. • Incorporation of green infrastructure and stormwater management with infrastructure projects. 	2.0	3.7	5.0	5.0	3.0	4.0	3.6

Low Priority Actions

ID	Action	Action Description							Priority Score
1199	Require on-site stormwater management	Update the Municipal Code to require new developments to have on-site stormwater management and minimal hardscape.	3.0	3.3	4.5	2.0	2.7	4.0	3.4

Transportation & Land Use

Goal

Reduce GHG emissions from transportation and enhance community mobility.

Ongoing/Completed Actions

ID	Action	Action Description
	Trails Master Plan	Continue to implement the Trails Master Plan.
	Bicycle & Pedestrian Master Plan	Continue to implement the Bicycle & Pedestrian Master Plan. As part of the Plan, provide educational opportunities for residents about bike/pedestrian safety
1077	Regional transit support	Continue working with regional partners to support the Valley Link project.
1110	Streamline EV permitting	Continue to streamline EV charging permitting requirements.

Strategy 1: Advance vehicle decarbonization.

Transition vehicles to electric alternatives to reduce greenhouse gas emissions.

High Priority Actions

ID	Action	Action Description							Priority Score
1056	Create a ZEV Infrastructure Plan	Review existing alternative fuels infrastructure to identify gaps and develop a Zero Emissions Vehicle (ZEV) Infrastructure Plan that strategically expands EV and other zero emissions fueling infrastructure throughout the community. The plan should include, among other strategies: <ul style="list-style-type: none"> • Expansion of publicly available EV infrastructure. • Installation of EV chargers on municipal properties, including parks. • Requirements for new residential properties to be EV-ready and/or include installation of EV chargers. • Collaboration with existing gas stations to install EV and alternative low carbon fueling stations. • Partnership with EBCE and other organizations. • Providing alternative financial models for publicly owned EV charging, including sliding scales and an EBT card features. 	4.5	3.3	5.0	4.0	3.0	2.0	3.9
1112	Private vehicle electrification	Identify grant funds to help replace private vehicles with zero emission vehicles, with a focus on supporting EV purchases for low-income demographics.	3.5	4.3	4.0	4.0	4.0	3.0	3.9

ID	Action	Action Description							Priority Score
1057	Electrification of municipal fleet	Collaborate with East Bay Community Energy to Adopt develop a municipal fleet electrification plan to guide fleet transition to all-electric in the coming decade.	2.5	4.7	5.0	4.0	3.0	2.0	3.7

Low Priority Actions

ID	Action	Action Description							Priority Score
1188	Prohibit development of new gas stations	Update the Municipal Code to prohibit the development of new gas stations. Exceptions may be included for gas stations which include both electric vehicle and hydrogen fueling options.	3.5	4.3	4.0	3.0	3.0	3.0	3.7
1060	Require low-carbon vehicles & equipment for construction projects	Require construction projects to comply with BAAQMD best management practices, including alternative-fueled vehicles and equipment.	3.0	3.3	5.0	3.5	3.7	2.0	3.5
1187	Apartment & condo EV charging	Modify the Municipal Code Section requiring new apartment and condo complexes include electric vehicle charging.	3.5	3.7	5.0	3.0	2.3	2.0	3.5
1111	Preferential parking for EVs	Provide parking for electric vehicles only in some existing preferential right-of-way parking spaces downtown.	3.0	3.7	5.0	3.0	2.0	2.0	3.4
1190	Municipal small-engine electrification	Require City operations to transition to all-electric landscaping equipment.	2.5	4.3	4.0	4.0	3.0	2.0	3.4
1115	Small-engine electrification	Provide incentives to the community to purchase all-electric small-engine equipment (e.g., lawn mowers, leaf blowers). Continue to investigate opportunities to incorporate all-electric small equipment in large scale commercial projects.	1.5	3.7	4.5	4.5	3.0	3.0	3.2
1108	Heavy duty electric trucks	Support EBCE and other regional efforts to transition heavy duty trucks to electric.	2.0	4.0	2.0	4.0	3.7	2.0	2.9

Strategy 2: Advance active, shared, & public transportation.

Enhance and maintain a safe, convenient, and effective system for sustainable transportation modes (e.g., pedestrians, bicyclist, transit).

High Priority Actions

ID	Action	Action Description							Priority Score
1062	Business-focused TDM program	Collaborate with employers to provide incentives as part of transportation demand management (TDM) programs to encourage alternative modes of travel and reduce single-occupant vehicle use, consistent with the Bicycle & Pedestrian Master Plan Recommended Program 6.4.2 (1).	3.5	4.7	5.0	4.0	4.7	3.0	4.2
1064	Complete streets expansion	Support and track progress towards the expansion of the complete streets network as directed in the Bicycle & Pedestrian Master Plan, with a focus on designated and protected bike lanes to parks and schools. Report progress indicators such as new bike lanes and bike racks installed in CAP.	4.5	3.3	5.0	4.0	4.3	4.0	4.2
1065	Curb management program	Research and develop a curb management program that prioritizes carbon reduction. Elements of the program would include: <ul style="list-style-type: none"> Establishing designated rideshare and third-party carpooling parking, and loading/unloading delivery zones. Incentivizing carsharing programs. Integrating scooter and bike share docks, bike parking, autonomous vehicle loading zones, and green infrastructure. Facilitating partnerships to explore methods to reduce delivery trips, prioritize bicycle delivery and smaller vehicles. Increasing access to bikes through expanded bicycle rentals and rebates. 	4.0	4.7	4.0	3.5	4.0	4.0	4.1
1082	Trails network expansion	Encourage development project amenities, when amenities are required, to include contribution of funds or land to further the trails network as outlined in the Trails Master Plan, with a focus on closing trail network gaps.	4.0	4.3	5.0	4.5	3.0	2.0	4.0
1078	Workplace bike amenities	Update the Municipal Code to require showers, lockers, changing areas, bike parking, and protected bicycle storage for new commercial developments of a certain size, consistent with the Bicycle & Pedestrian Mater Plan recommended programs 6.4.2 (2) and 6.6.2. (1).	4.0	3.7	5.0	3.5	3.0	2.0	3.8
1080	Bike storage incentive program	Create a citywide bicycle rack request program that receives requests from businesses and residents to install bicycle racks free of charge on public property adjacent to business properties, consistent with the Bicycle & Pedestrian Master Plan recommended policy 4-2. Maintain an inventory of installed bicycle racks.	3.0	4.0	5.0	4.0	3.0	3.0	3.8

ID	Action	Action Description							Priority Score
1079	Required bike parking at MF/Comm developments	Modify the Municipal Code Section requiring commercial, mixed use, and multi-family projects install bicycle parking.	4.0	3.7	5.0	3.5	3.0	1.0	3.7

Low Priority Actions

ID	Action	Action Description							Priority Score
1070	City Information resources	Partner with the County to develop and promote resources that provide residents with transportation alternatives that reduce motor vehicle emissions for planned events, concerts, festivals, and conventions.	2.5	4.0	4.0	5.0	4.7	3.0	3.7
1071	Designated motorcycle/scooter parking	Provide designated motorcycle and scooter parking downtown to accommodate additional non-SOV modes.	3.0	4.0	5.0	3.5	3.0	3.0	3.7
1067	Neighborhood telecommuting centers	Create incentive program(s) that encourage the development of neighborhood telecommuting centers.	3.5	3.7	4.5	4.0	3.3	2.0	3.6
1180	Increase transit ridership	Partner with transit agencies (e.g., BART, ACE, and LAVTA) to improve access to transit, by providing seamless transitions between transit facilities and the public right-of-way and bicycle network and providing secure bicycle parking at transit stations and major bus stops (e.g., BART to Main Street).	4.0	3.7	3.0	4.0	3.7	2.0	3.5
1183	Improvements to VMT and TDM programs	Track progress over time through TDM modeling and traffic counts to comply with SB 743. Identify opportunities to align implementation of new VMT-reduction technologies and projects with SB 743 requirements.	3.0	3.7	5.0	4.0	3.0	1.0	3.5
1218	Transit access & mobility	Work with transit partners to enhance transit access and mobility across the city, with an emphasis on ensuring sufficient transit connections to higher-density areas and areas with currently low or limited access, to improve non-single occupancy vehicle (SOV) mobility.	4.0	3.3	3.5	4.0	4.0	2.0	3.5
1184	VMT reduction study for K-12 activities	Explore opportunities to reduce VMT related to K-12 curricular and extra-curricular activities.	2.0	4.0	4.5	4.0	3.0	2.0	3.3
1114	Ride hailing tax	Work with the State to put a tax on Uber/Lyft that provides funding for bike and pedestrian programs.	3.5	2.7	2.5	3.0	2.3	2.0	2.8

Strategy 3: Advance sustainable land use.

Promote density through advanced land use planning that reduces emissions and passenger vehicle miles traveled (VMT).

High Priority Actions

ID	Action	Action Description							Priority Score
1159	Shared parking	Update the Municipal Code to expand provision 18.88.060 to allow businesses in all commercial, industrial, MU, and P zoning districts to offset parking count requirements for "discrete uses".	4.5	4.7	5.0	4.0	3.0	2.0	4.2
1107	Adopt CALGreen development tiers	Revise the current Green Building policy in order to adopt Tier 1 CALGreen standards for new construction.	4.0	4.0	5.0	3.5	2.7	2.0	3.8

Low Priority Actions

ID	Action	Action Description							Priority Score
1086	Promote LEED Neighborhood Development	Promote use of LEED for Neighborhood Development (LEED ND). Mechanisms may include promoting development as an incentive for developers seeking better market appeal and municipal support, for municipal leaders looking to create tax and zoning incentives, or for community members trying to assess a new development.	3.0	3.7	5.0	4.0	3.0	2.0	3.6
1178	Anti-Idling campaign for schools	Partner with the California Air District on the anti-idle campaign and work with schools to reduce idling.	2.5	4.0	3.5	4.0	3.3	2.0	3.3
1069	Transportation idling policy	Adopt a policy to prevent engine idling which may include restricting offroad equipment idling and limiting idling in parking lots (e.g., drive-thrus) where feasible.	2.5	4.3	3.0	4.0	3.0	2.0	3.2

Community Resilience & Wellbeing

Goal

Prepare for climate and non-climate emergencies and institutionalize climate change considerations across City and community decision-making.

Ongoing/Completed Actions

ID	Action	Action Description
1025	School climate action planning	Continue to partner with, such as providing funding and staff capacity, and support activities of the climate action groups at schools, including connecting them to resources from GoGreen Initiative, StopWaste, and CA Youth Energy Services.
1036	Flood-resistant codes & design	Continue to implement applicable building codes, such as the CA Building Code Section 1612 on FEMA Flood Insurance Requirements, to require flood-resistant design in flood-prone and flash-storm-prone areas, including minimum building elevation standards for new development.
1102	Access to green spaces	Continue to partner with local organizations to increase awareness of and access to green spaces and outdoor recreation for all residents.

Strategy 1: Improve community resilience.

Increase community capacity and awareness of climate change risks and impacts.

High Priority Actions

ID	Action	Action Description							Priority Score
1026	Neighborhood resilience hubs	Fund and support the development of community facilities to serve as neighborhood resilience hubs to support residents and coordinate resource distribution and services before/during/after natural hazards and extreme events. Potential locations include schools, city buildings, other public buildings, and multi-purpose rooms.	5.0	2.7	5.0	5.0	4.0	4.0	4.2
1035	Community cooling centers	Inventory, identify, and maintain adequate and accessible cooling centers for extreme heat. Work with the county to ensure sufficient notification systems are in place to notify residents of extreme heat events and available transportation routes to these cooling centers. Potential locations include schools, city buildings, other public buildings, and multi-purpose rooms.	3.5	3.3	5.0	5.0	4.0	4.0	4.0
1038	Critical facility relocation	Identify and consider relocation opportunities for critical facilities that are exposed to future climate threats.	5.0	2.7	4.5	3.5	4.0	4.0	4.0
1096	Wildfires and wildland-urban	Leverage existing outreach and education campaigns, such as CAL FIRE or Firewise, to increase awareness of residential homeowner actions to reduce	3.0	4.3	4.5	4.0	4.3	3.0	3.9

	interface awareness	and mitigate wildfire risk (e.g., create defensible space, reducing fuel loads, cleaning out rain gutters of leaves).							
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Low Priority Actions

ID	Action	Action Description							Priority Score
1095	Natural Hazards Insurance Outreach	Connect residents and businesses with information about natural hazards facing their properties and insurance options for mitigating risks (e.g., flood insurance, wildfire insurance, earthquake insurance).	4.0	3.0	5.0	5.0	3.7	3.0	3.9
1037	Flood and flash storm emergency preparedness	Partner with Alameda County Office of Emergency Services to develop, adopt, practice, and regularly evaluate formal flood and flash storm emergency preparedness, response, evacuation, and recovery plans for flood-prone areas.	2.0	4.3	5.0	4.0	3.7	3.0	3.7
1143	Community gardens	Partner with nonprofits, low-income communities, and underrepresented communities to expand urban agriculture opportunities in community gardens, schools, parks, and on rooftops.	2.5	4.0	4.0	4.0	4.3	4.0	3.7
1023	Comprehensive public/private outreach	Develop a comprehensive public/private education and empowerment program that helps residents, businesses, neighborhood leaders, and visitors take action to reduce their personal carbon footprint and improve climate literacy. Include a carbon footprint calculator that generates a list of actions to reduce emissions at the household level.	2.5	4.3	5.0	4.0	3.0	2.0	3.6
1034	Health & emergency service preparation	Partner with Alameda County to fund health and emergency services for the populations most vulnerable to climate change impacts in Pleasanton.	3.5	3.7	3.5	3.5	3.7	3.0	3.5
1033	Update FEMA flood maps	Partner with regional organizations (e.g., the Association of Bay Area Governments and Alameda County) to use FEMA flood maps alongside climate impacts and projections. Further, work with FEMA to update flood zone maps to account for future climate change.	2.0	4.3	3.5	4.0	3.3	3.0	3.3

Strategy 2: Reduce vulnerability to climate change.

Identify and target support for at-risk populations.

High Priority Actions

ID	Action	Action Description							Priority Score
1010	Reduce heat island effect	Require new development projects to implement measures to reduce heat island effects in the city. Considerations may include light-colored paving material for roads and parking areas, cool roofs for buildings, and shade trees for parking lots and pedestrian rights-of-way.	4.0	5.0	5.0	4.0	4.0	4.0	4.5

1212	Wildfire preparation	Work with regional partners to modify development regulations and codes and implement retrofit programs to increase resilience to wildfires.	4.0	4.3	5.0	5.0	5.0	4.0	4.5
1213	Wildfire prevention	Work with CalFire and other partners to identify and implement controlled burns and other means to reduce combustible biomass and improve early wildfire detection for the City.	3.5	4.3	4.5	5.0	4.7	5.0	4.3
1028	Wildfire smoke outreach & education	Work with available organizations and resources such as the CA FireSafe Council to expand and improve targeted community messaging on how to respond to heat risks and poor air quality due to smoke.	3.5	5.0	4.0	5.0	4.0	3.0	4.1

Low Priority Actions

ID	Action	Action Description							Priority Score
1152	Reduce landslide risk	Partner with Alameda County agencies (Community Development Agency, Flood Control and Water Conservation District) to utilize zoning and subdivision practices to limit development exposure in landslide risk areas while mitigating landslide risks through improving drainage, reconstructing retaining walls, installing netting and vegetation, avoiding clear cutting, and stabilizing soil with compost and mulch.	3.5	3.3	5.0	4.0	4.0	4.0	3.9
1211	Install air quality monitors	Install air quality monitors at designated locations throughout City.	3.0	4.3	3.5	4.0	3.3	2.0	3.5
1214	Flash storm prevention	Work with regional partners to develop implement programs and capital improvements to increase resilience to flash storms.	3.0	2.7	4.0	3.0	3.7	4.0	3.3

Strategy 3: Prepare City operations.







Integrate climate change impacts into City planning, operations, and infrastructure projects.

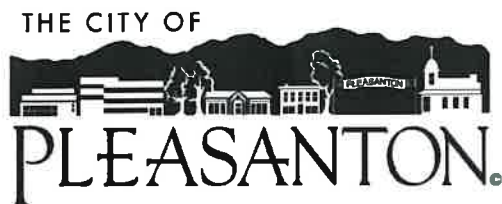
High Priority Actions

ID	Action	Action Description							Priority Score
1216	Institutionalize climate action	Institutionalize climate considerations across City and community activities and decision-making. Dedicate at least one position (e.g., Sustainability Manager and/or Sustainability Management Analyst(s) focused on sustainability) to implement CAP tasks, track legislative changes relating to the climate that affect municipal operations, and promote climate change awareness across all city functions.	5.0	3.7	5.0	4.0	4.0	5.0	4.5

1032	Prioritize adaptation and resilience in capital projects	Prioritize adaptation and resilience in Capital Improvement Projects (CIPs). An option could include introducing guidance methodology for formally integrating climate change, inherent uncertainties, timescales, economic lifecycle evaluations, project's annual impact, and other relevant criteria into the design review process for new infrastructure projects by leveraging existing vulnerability assessments, such as the CalTrans Climate Change Vulnerability Assessment.	5.0	2.7	5.0	4.0	4.3	4.0	4.2
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Low Priority Actions

ID	Action	Action Description							Priority Score
1215	Regional climate alignment	Host and organize collaboration events with organizations and cities in the region to align climate goals and measures.	2.5	4.0	4.5	5.0	3.0	3.0	3.6
1151	Update CAP checklist	Update CAP development checklist to reflect CAP 2.0 and develop specific guidelines and requirements for its use, including reporting and evaluation mechanisms.	2.5	4.0	4.5	4.0	3.0	2.0	3.4



ATTACHMENT 2: SUMMARY OF PUBLIC MEETINGS AND OUTREACH

Public participation is a key component of the CAP 2.0. Initial outreach efforts were delayed due to COVID-19, and the outreach strategy has been adjusted to account for current limitations. Active project outreach began in August 2020. CAP 2.0 outreach is being coordinated with the Public Information Officer and City Manager's office to ensure the messaging is timely and sensitive to other communication priorities.

Due to COVID-19, engagement must be virtual with in-person engagement unavailable to us at this time. Virtual engagement is provided on the [project website](#) including CAP 2.0 videos, factsheets, and opportunities to provide project feedback.

The community will continue to be encouraged to provide feedback to the Committee and staff.

To-date, public meetings and outreach have included:

- Committee on Energy and Environment (*8 public hearings throughout the project on January 22, 2020, August 5, 2020, September 2, 2020, October 7, 2020, October 29, 2020, December 9, 2020, January 27, 2021, and February 3, 2021*)
- Social media posts on Nextdoor, Twitter, Facebook, and LinkedIn (*throughout process*)
- Communication with implementation partners and community organizations (*throughout process*)
- General outreach in community newsletter (*throughout process*)
- Email notifications to CAP 2.0 interested party list and other City email distribution lists (*throughout process*)
- Local Leaders Club's at Amador Valley High School and Foothill High School created outreach videos to increase project awareness (*videos promoted throughout process*)
- Pleasanton Weekly Ad (*October 2020*)
- TV 30 Ad (*October 2020*)
- Online Community Survey (*April-November 2020*)
- Focus Groups (*December 2020*) with attendance from the following representatives:

- Pacific Gas & Electric (PG&E), East Bay Community Energy (EBCE), StopWaste.org, Bay Area Air Quality Management District (BAAQMD), Metropolitan Transportation Commission (MTC), Bay Area Rapid Transit (BART), Livermore Amador Valley Transit Authority (LAVTA), Altamont Corridor Express (ACE), San Joaquin Regional Rail Commission, Pleasanton Garbage Service (PGS), Dublin San Ramon Services District (DSRSD), Zone 7 Water Agency, Zone 7 Water Board, Hacienda Business Park, Bay East Realtors, Pleasanton Chamber of Commerce, Pleasanton Downtown Association, Workday, Hines, Go Green Initiative, Hindu Swayamsevak Sangh (HSS), Council on American Islamic Relations, Tri-Valley Citizens Climate Education, additional community members
- City Council meeting *(November 17, 2020)*
- Information related to the update in utility billing envelope to every Pleasanton customer *(January-February 2021)*
- Chamber of Commerce *(March 10, 2021)*
- Economic Vitality Committee *(March 18, 2021)*
- Bicycle, Pedestrian, and Trails Committee *(March 22, 2021)*

Several additional public meetings and outreach opportunities are planned in the future and include:

- Emails, social media posts, community newsletters, and continued outreach to implementation partners *(throughout process)*
- *Committee on Energy and Environment (March 24, 2021)*
- *Planning Commission (March 24, 2021)*
- *Community Workshop (March 25, 2021)*
- *Youth Commission (March 31, 2021)*
- *Online Survey (March-April)*
- *Committee on Energy and Environment (April 21, 2021)*