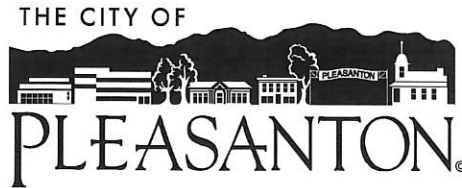


**COMMITTEE ON
ENERGY AND THE ENVIRONMENT
AGENDA**



January 23, 2019 - 6:00 P.M.

**Operations Service Center
Remillard Conference Room
3333 Busch Road, Pleasanton**

CALL TO ORDER

ROLL CALL

AGENDA AMENDMENTS

CONSENT CALENDAR

1. Approve regular meeting minutes of November 28, 2018

MEETING OPEN TO THE PUBLIC

2. Introductions/Presentations
3. Public Comment from members of the audience regarding items not listed on the agenda.

OTHER MATTERS BEFORE THE COMMITTEE

4. Presentation on Lawn & Garden Equipment Related Air & Noise Pollution
5. Climate Action Plan Update
6. Presentation of Climate Action Pledge Letter

MATTERS INITIATED BY COMMITTEE MEMBERS

REPORTS ON CONFERENCES AND SEMINARS ATTENDED BY COMMITTEE MEMBERS

ADJOURNMENT

To special meeting: February 11, 2019 (tentative)

Notice

Under Government Code §54957.5, any writings/documents regarding an open session item on this agenda provided to a majority of the Commission after distribution of the agenda packet are available for public inspection at the Operations Services Center, 3333 Busch Road, Pleasanton.

Accessible Public Meetings

The City of Pleasanton can provide special assistance for persons with disabilities to participate in public meetings. To make a request for a disability-related modification or accommodation (e.g. an assistive listening device), please contact Derek Lee, Operations Services Center, 3333 Busch Road, Pleasanton, CA 94566, or (925) 931-5525 at the earliest possible time. If you need sign language assistance, please provide at least two working days' notice prior to the meeting date

**MINUTES
CITY OF PLEASANTON
COMMITTEE ON ENERGY AND ENVIRONMENT
November 28, 2018**

CALL TO ORDER

The regular meeting of the Committee on Energy and the Environment was called to order at 5:05 p.m.

ROLL CALL

Present: Catherine Brown, Eric Cartwright, Terry Chang, Gokul Deep, Laurene Green, Joel Liu

The committee members introduced themselves to the newest student member Gokul Deep and provided information on their background as it pertains to the committee.

AGENDA AMENDMENTS

None

CONSENT CALENDAR

1. Approve the regular meeting minutes of September 26, 2018.

*Motion by: Green Seconded by: Chang
Ayes: Cartwright, Chang, Green, and Liu
Abstain: Brown and Deep*

MEETING OPEN TO THE PUBLIC

2. Introductions / Presentations:

None

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

None

OTHER MATTERS BEFORE THE COMMITTEE

4. Select Chair and Vice Chair

Catherine Brown recommended appointing Laurene Green to Chair.

*Motion by: Brown Seconded by: Cartwright
Ayes: Brown, Cartwright, Chang, Deep, Green, and Liu*

Terry Chang recommended appointing Catherine Brown to Vice Chair.

*Motion by: Chang Seconded by: Cartwright
Ayes: Brown, Cartwright, Chang, Deep, Green, and Liu*

5. Presentation on Plastic Straw Pollution

Olivia Angus provided a presentation on the City of Alameda Disposable Food Service Ware Reduction Ordinance reviewing the lessons learned, school efforts to educate Council on storm water pollution, details of the ordinance, enforcement, and recognition for those complying. She also distributed marketing materials used by the City of Alameda. She indicated that she was planning on going to Walnut Grove and other schools in Pleasanton to provide education on this topic and initiate a letter writing campaign to help gain momentum on this project.

Ms. Angus requested Pleasanton extend the State's new plastic straw ban to include stir sticks and utensils upon request only at all Pleasanton business/restaurants and that all disposable food ware be made from compostable fiber.

Mr. Lee indicated that if the committee is interested in pursuing this as a priority item, they could recommend it for inclusion in the Council's new 2-year Work Plan. He noted that if the Council wishes to pursue this item, then further research and options would be considered (i.e., phased approach, etc.).

Catherine Brown inquired if the City could provide information and education to the community on the plastic straw law which is effective in January. Mr. Lee indicated he could provide a link to information on the City's website.

Becky Hopkins, Assistant to the City Manager, who is the City representative for the Pleasanton Garbage Service contract cautioned that when considering an ordinance with regards to waste, it is important to consider all factors. For example, the compostable fiber utensils do not break down fast enough for the current garbage provider to manage and it would eventually be put in the garbage with other waste and taken to the landfill. She indicated that the city is promoting reusable utensils as the most viable option for utensils.

6. Presentation on the City's Contract with Pleasanton Garbage Service, New Services and Implementation of the Mandatory Recycling Ordinance

Becky Hopkins, Assistant to the City Manager, provided a detailed presentation on the overview of the new Pleasanton Garbage Service Contract which is for an 11 year term. She also highlighted the new services and implementation of the Mandatory Recycling Ordinance (MRO). She indicated that Go Green is working with City staff to ensure all city facilities are compliant with the MRO. She stressed the importance of educating the community on responsible recycling to ensure that the materials recycled are not contaminated and accepted by the brokers. It was also noted that recycling is not free and is subsidized by commercial fees. She stressed the importance of educating the community to ensure they are being responsible stewards for recycling and composting. Ms. Hopkins also distributed information on businesses that accept sharps (needles) and drug disposals in Pleasanton and Livermore.

She indicated that if the committee decides to prioritize the disposable food ware ban ordinance that she would be more than happy to be involved in the conversation as a thought partner.

7. Climate Action Plan (CAP) Update

Mr. Lee provided an update on the following Climate Action Plan (CAP) items:

- 1) The City's graphic designer has completed all the drawings for the planned Sustainability web portal's virtual street. The virtual street will consist of a single-family residence, restaurant, sports parks, public library, grocery store, and hardware store, to info-graphically present a wide variety of environmental resources available online. The Green Team met on November 19, to receive a

presentation on the drawings and to discuss the logistics of putting the portal together with the City's internal website manager. Staff anticipates to beta-test the portal in early 2019.

- 2) The City is signing Right of Entry agreements with three environmental services companies to allow them to conduct preliminary feasibility assessments of two City facilities. Based on their findings, the City may engage one or more of them in detailed investor grade assessment of a wide array of City facilities to develop and implement energy efficiency projects. Staff expects to complete the preliminary assessment by the end of January 2019.
- 3) The Committee recommended, and City Council approved, in January 2018 to expand the City's PACE financing program. PACE is a mechanism for local residential and business property owners to finance renewable energy, energy efficiency, and water conservation improvements to their properties. Property owners borrow funds from a PACE provider and repay the loan via a special voluntary property tax assessment. In the first nine months of 2018, 32 PACE projects worth approximately \$840,000 were funded in Pleasanton. Since the start of the PACE program in the City in 2010, a total of 234 projects have been funded totaling more than \$5M in value. They are estimated to have resulted in more than 28,800 therms of annual natural gas saved, 402,000 kWh of annual electricity saved, 193,000 kWh of annual renewable energy generated, and 242,000 gallons of annual water saved. As more of the PACE providers staff up in Pleasanton and adjust to multiple new consumer protection measure imposed by the State, staff expects PACE activity to pick up in the future.

Ms. Green inquired if the committee could be updated on the status of the Climate Action Plan measures. Mr. Lee indicated that originally there were 167 measures, some have been completed, others are outdated, and some of them are duplicative and can be combined. He reported the Green Team was formed to implement the measures with assistance from other staff, however, staffing resources are limited. He indicated that the East Bay Energy Watch is engaging in a greenhouse gas inventory of 2017 emissions, which will indicate if we are making reductions towards meeting the mandated reductions by 2020. Mr. Lee indicated that the report will be released soon and will be presented to the committee to determine whether or not it's necessary to develop CAP 2.0.

MATTERS INITIATED BY COMMITTEE MEMBERS

Ms. Chang indicated two reports were recently released by the federal government on the status of climate change and how it is worse than originally thought. She felt the City should take position and respond to the crisis in Pleasanton. Mr. Lee indicated that Council hasn't taken any action or position on the reports, however, she could certainly approach the Council as a concerned citizen. Mr. Cartwright felt that staff could provide reports and staff recommendations for City Council to provide education on the topics to consider creating policy. Ms. Chang offered to draft a letter to City Council to bring attention to this matter and be reviewed by the committee at the January meeting.

In light of the recent fires in Butte County, Ms. Chang inquired if Pleasanton has an emergency notification system in the event a fire incident occurs in Pleasanton. Mr. Lee offered to do some additional research to find out what type of system is in place in Pleasanton.

Ms. Brown provided a status update on the Community Choice Aggregation Program.

Ms. Green distributed a letter she prepared with questions and concerns she had from a review of the Joint Tri-Valley Potable Reuse Technical Feasibility Study and inquired if any of the other committee members were interested in pursuing further (i.e., writing a letter, etc.). Mr. Lee indicated there is a Tri Valley Water Liaison Committee comprised of various elected representatives that is in charge of all the water resource issues in the Tri-Valley. There is a project manager team that manages the Tri-Valley Potable Reuse Feasibility Project and is overseen by a steering committee. There are currently two Pleasanton Council

members on the Liaison Committee. Staff recommended using that forum to provide any opinions or recommendations regarding the feasibility study. Mr. Lee indicated that the City Manager offered to forward Ms. Green's letter to the City Council representatives on the Liaison Committee. Their next meeting will be held on January 23, 2019, which is the same night as the Committee on Energy and the Environment.

Mr. Cartwright inquired if the Draft Policies for Sustainable Water Supplies was reviewed by City Council. Mr. Lee indicated that this item was placed on hold until after the Council reviewed the Feasibility Study. He indicated that he could find out the status and provide feedback to the committee at the next meeting.

Ms. Brown thanked Ms. Green for her efforts on the additional research, however, she wanted more time to digest the material before taking a stance at this point.

The committee requested to start the January 23, 2019, committee meeting later so that anyone interested could attend Tri-Valley Water Liaison Committee meeting and speak at the public forum as a concerned citizen, should it not be agendaized for discussion at the January meeting. Mr. Lee indicated he didn't think it would be problem to have a later start time.

Ms. Green indicated she would give it some additional thought on how she wanted to proceed with her letter.

REPORTS ON CONFERENCES AND SEMINARS ATTENDED BY COMMITTEE MEMBERS

None

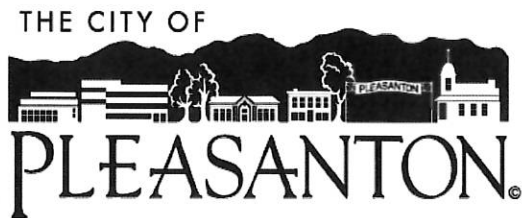
Ms. Green indicated that she is trying to secure Dorothy from the Air Resource Board to provide a presentation on leaf blowers and will agendaize discussion at the January meeting if she is able to attend.

ADJOURNMENT

The meeting was adjourned at: 7:14 p.m.

Next Regularly scheduled meeting: January 23, 2019.

Respectfully Submitted,
Jennifer Tagalog



The Committee on Energy and the Environment Meeting Agenda Report

January 23, 2019

Item 5

SUBJECT: IMPLEMENTATION UPDATE OF THE CITY'S CLIMATE ACTION PLAN

SUMMARY

Several Climate Action Plan (CAP)-related activities have occurred since the last time this Committee met. Three environmental services companies have conducted preliminary feasibility assessments of two City facilities. A 2017 greenhouse gas inventory has also been completed for the City, covering most of the emission sectors. Lastly, staff is working to upgrade two of the City's six existing electrical vehicle charging stations.

RECOMMENDATION

Receive update on the City's Climate Action Plan Implementation.

FINANCIAL STATEMENT

None.

BACKGROUND

Operations Services Department staff provides a regular update to this Committee regarding the City's various efforts to implement its CAP.

DISCUSSION

Three energy services companies (ESCOs), EcoGreen Solutions, Syserco, and Engie, conducted preliminary feasibility assessments of the City's Fire Station #1 and Callippe Golf Course Clubhouse on January 16. Based on their findings to be delivered in the near future, the City may engage one or more of them in detailed investor grade assessments of a wide array of City facilities to develop and implement energy efficiency projects. These energy projects are expected to be fully funded via PG&E's 0% interest on-bill financing program.

The City owns and operates six electrical vehicle (EV) charging stations at four locations. Staff is working with ChargePoint, an EV charging network vendor and operator, to upgrade two of the City's stations at the Museum on Main and City Hall to the latest model. The upgrades will ensure that these EV charging stations continue to receive maintenance as needed.

East Bay Energy Watch (EBEW) contracted with PlaceWorks in 2018 to develop greenhouse gas (GHG) inventories for 35 jurisdictions in Alameda and Contra Costa Counties for year 2017. Pleasanton's results just became available in early 2019 and are as follows:

	GHG Emissions (MTCO ₂ e)	Percent
Energy	221,499	35.06%
Transportation	329,615	52.18%
BART	2,648	0.42%
Off-Road	48,813	7.73%
Waste	29,131	4.61%
Total	631,707	100.00%

Similar to the City's 2005 GHG inventory, transportation still accounts for the majority of the City's emissions, followed by electricity and natural gas use. However, the above inventory does not include emissions associated with energy used for water and wastewater conveyance and treatment (~ 4-5%, based on the 2005 inventory) and for municipal operations (< 1%). Staff is engaging PlaceWorks separately to account for emissions associated with the water/wastewater sector, as well as to redevelop a similar inventory for the City's baseline year of 2005, using the same methodology. Staff is proposing not to conduct inventories of GHG emissions associated with municipal operations as they account for less than 1% of the City's total emissions and are complicated and costly to prepare by comparison. Nevertheless, staff will continue to promote various GHG reduction initiatives for the City government's own operations, including the adoption of renewable diesel for its diesel fleet and energy efficiency assessments and upgrades at municipal facilities, as described above.

A direct "apples-to-apples" comparison of the 2005 and 2017 inventories will be made once all the data are based on the same methodology. Until then, staff has compared the new 2017 data with the available 2005 numbers developed using a different methodology. It shows that the City has so far achieved substantial GHG sector reductions as summarized in the table below. Staff notes, however, that these reduction figures are expected to change when the same inventory methodology is applied to both years.

Sector	% GHG Reduction
Energy (electricity & natural gas)	11.6
Transportation (inclusive of on & off-road & BART)	10.7
Waste	25.0
Total	11.8

Pleasanton's CAP has a stated GHG emissions target of 15% below the City's 2005 levels by 2020. Approximately 75% of the measures listed in the CAP have either been implemented or partially implemented. Many of the measures called for adoption of a City ordinance which has not occurred, but the measure has been implemented through other means, such as the inclusion of the requirement in a CAP checklist used in creating conditions of approval on a project-by-project basis.

On the energy side, the City's adoption and ongoing implementation of a Green Business Ordinance, based on the California Green Building Standards, has likely contributed to significant GHG reductions.¹ The CAP checklist has resulted in the meeting of other aggressive sustainability-related standards. The City has also continued to promote free and/or incentivized energy assessment and upgrade opportunities to its residents and businesses and made the permitting of solar panel installations easy. And, it is expected that California's Green Building Standards will only strengthen with time.

On the transportation side, projects are routinely reviewed to promote amenities for public transportation, electrical vehicles, bicycles, and pedestrians, and, where appropriate, mixed uses. The City also updated its Bicycle-Pedestrian Master Plan in 2017 to promote traffic, bicycle, and pedestrian safety, for example.

On the waste side, increasing citizen awareness of the need to reduce, reuse, and recycle likely has resulted in a significant reduction of related GHG emissions. In addition, Alameda County's Mandatory Recycling Ordinance went into effect in 2012. Its related requirements expanded over the years to include recycling and composting service for certain businesses, institutions and multi-family properties.

Most of the efforts described above will continue. In addition, the following are examples of initiatives that also have the potential to yield significant energy and environmental benefits:

- Continue to promote programs and financial incentives for energy efficiency upgrades.
- Promote the electrification of things.
- Consider Community Choice Aggregation, based on City Council's approval.
- Assist Pleasanton Unified School District in developing and implementing an energy efficiency and conservation program.
- Increase efforts to divert local business waste from landfills such as promoting less packaging and/or reducing single-use food ware.

¹ "Likely" because it is difficult to estimate the GHG emissions reductions associated with individual measures.

Submitted by:

A handwritten signature in blue ink, appearing to read 'Derek Lee', is written over the printed name.

Derek Lee

Environmental Services Manager

1130 Deer Creek Court
Pleasanton, CA 94566
January 11, 2019

I'm writing to ask our city government to address the urgency of the climate crisis that is lurking in our community. I'm writing to find an answer to the question: is the City of Pleasanton a climate-forward city?

The Camp Fire, the deadliest and most destructive wildfire in California that we recently lived through this past November, is a heart-breaking example of climate-related catastrophes that our generation and future generations will have to endure, and the longer we wait to address the urgency of this crisis, the greater the threat we will have to overcome. During days of the Camp Fire, our community choked in thick, smoky, hazardous air as our air quality registered the worst in the world at one point. Schools were closed and businesses were affected. As I was driving home on 680 through the Sunol grade during those days in November, I was barely able to recognize the gentle slopes of the hills which were covered in dirty brown smoke, and I could not help but think that we were living in an ecological dystopia.

A month before the Camp Fire, the Intergovernmental Panel on Climate Change (IPCC), released a special assessment report indicating that a 1.5 degrees Celsius (2.7 degrees Fahrenheit) of global warming will have substantial impacts and costs, and that at the pace our world is going, the 2.7 degrees Fahrenheit of global warming will be reached within 11 years! The impacts include negative effects on crop productions, increase of vector-borne diseases, heightened intensity of weather extremes, and other risks related to our food security, water supply, and livelihoods. (see link: <https://www.ipcc.ch/sr15/chapter/summary-for-policy-makers/>) In informing us of the crisis to come, the IPCC's Special Report also laid out many mitigation options, one of which is for cities and communities to take proactive and collaborative actions, including actions such as improving climate education and public awareness and strengthening climate monitoring and evaluations (Chapter 4, page 317). I'm asking the city to take urgent action and play an active role to ensure that our community is aware and educated in the actions that we can take to do the best we can to mitigate the climate crisis.

The day after Thanksgiving, the Fourth National Climate Assessment was released. This federal report gave a thorough examination of the effects of climate change on our nation, and similar to the IPCC findings, the report was just as alarming, indicating climate change is threatening our agriculture, transportation, health, land and water resources, economy and ecosystems. (see link: <https://nca2018.globalchange.gov/#sf-1>)

The climate crisis reality is here and it needs to be addressed with urgency. What can we do as a city, a community, a family? For a start, here are some ideas:

- Take a pledge to focus on building and maintaining a thriving and ecological resilient community.

- Strive harder to be a greener and cleaner city and find ways to show that we are making climate progress with hard data. We can create a climate profile and perhaps create an “office of sustainability” to show that we are seriously and urgently addressing this issue.
- Increase awareness in the community of our climate pledge with better public outreach, education, and communications.
- Involve various facets of our community including local businesses, schools, and organizations to build sustainable habits and take sustainable actions.
- Let the residents of Pleasanton know that our mayor is a participant of Mayors for 100% Clean Energy (<https://www.sierraclub.org/ready-for-100/mayors-for-clean-energy>) or is a member of The Climate Mayors (<http://climatemayors.org>) and that our city is participating in the sustainable city network. (for example: <https://www.sustainablehealthycities.org/>)
- Pledge support for a community-wide transition to 100% renewable energy by joining the East Bay Community Energy, or EBCE.

I truly believe the city of Pleasanton really is a city of planned progress, and by that definition, it needs to announce and show that it is a climate-forward city. I look forward to hearing your response and will be waiting to see the actions our city will be taking to respond to this urgent and important matter.

Thank you for Caring Consideration,

Terry L. Chang
Concerned Resident and Worried Parent
1130 Deer Creek Court
Pleasanton, CA 94566