

CHICO

CLIMATE ACTION COMMISSION

REGULAR MEETING AGENDA THURSDAY, JULY 9TH, 2020 - 6:00 P.M.

MUNICIPAL CENTER – 421 MAIN STREET – COUNCIL CHAMBERS

Chico

CLIMATE ACTION COMMISSION

Cheri Chastain, Chair Mark Stemen, Vice Chair David Donnan Kirk Monfort Michael Nelson Rebekah Casey Vacant

Copies of this agenda available from:

Community Development Department 411 Main Street, 2nd Floor Chico, CA 95928 (530) 879-6800

Or

www.chico.ca.us

Posted: July 2nd, 2020 **Prior to**: 5:00 p.m.

The Commission appreciates your cooperation in turning off all cell phones during this meeting.

City Staff

Brendan Vieg – Community Development Director Molly Marcussen – Associate Planner



Please contact the City Clerk at (530) 896-7250 should you require an agenda in an alternative format or if you need to request a disability-related modification or accommodation in order to participate in a meeting. This request should be received at least three working days prior to the meeting in order to accommodate your request.

Information and Procedures Concerning Climate Action Commission Meetings

Public Participation:

All members of the public may address the Climate Action Commission on any item listed on the agenda. Public participation in the hearing process is encouraged.

Please step up to the podium microphone when addressing the Commission.

Each speaker will be asked to voluntarily state his/her name before speaking, and after speaking to voluntarily write his/her name on a record to be maintained by the City Staff.

The Commission and City staff will ensure order and decorum during all Commission meetings. Persons demonstrating rude, boisterous or profane behavior will be called to order by the Chair. If such conduct continues, the Chair may call a recess, requesting the removal of such person(s) from the Council Chamber, adjourn the meeting or take other appropriate action.

Time Limit:

Presentations should be limited to a maximum of three (3) minutes, unless otherwise determined by the Chair.

A speaker may not defer his/her time to other speakers.

Groups or organizations are encouraged to select a spokesperson to speak on their behalf. Each subsequent speaker is encouraged to submit new information, rather than repeating comments made by prior speakers.

Written Material:

The Climate Action Commission may not have sufficient time to fully review written materials presented at the public hearing. Interested parties are encouraged to provide written materials at least eight (8) days prior to the public hearing to allow distribution with the Climate Action Commission's agenda packet to provide adequate time for review by the Climate Action Commission. Written materials submitted in advance of the public hearing must be submitted to the City of Chico, Community Development Department, 411 Main Street, 2nd Floor, or by mail to: P. O. Box 3420, Chico, CA 95927. Materials related to an item on this agenda submitted to the Climate Action Commission after distribution of the agenda packet are available for public inspection in the Community Development Department at 411 Main Street, 2nd Floor, Chico, CA 95928 during normal business hours.

Hearing Impaired:

Anyone who has difficulty hearing the proceedings of a meeting may be provided with a portable listening device by requesting one from the City Staff. The device works directly from the public-address system, and the listener can hear all speakers who are using a microphone.

Special Presentations:

Special presentations which include slides, films, etc. during the course of a meeting will only be allowed with **prior** approval of the Climate Action Commission.

Business from the Floor:

The Chair will invite anyone in the audience wishing to speak to the Climate Action Commission to identify themselves and the matter

they wish to discuss which would involve matters not already on the posted agenda.

The Commission may also be direct that a matter be placed on a future agenda, provide direction to staff, or request that staff research a particular issue. No action may be taken until a subsequent meeting.

Agenda Copies are:

- -Available at the meeting.
- -May be mailed by subscription, at an annual cost set forth in the City of Chico Fee Schedule.
- -May be picked up the Friday prior to the meeting at the Community Development Department without charge.
- -Available on the internet at www.chico.ca.us

Copies of Agenda Reports are:

- -Available for public inspection at City of Chico Community Development Department the Friday prior to the meeting.
- -Copies may be obtained after payment of applicable copy fees.

Agenda Items:

The agenda items will be considered in the order listed unless the Commission requests a change. In order that all items may be considered, any item may be continued to another meeting if it appears there will be insufficient time for full consideration of the item.

Items Not Appearing on Posted Agenda:

This agenda was posted on the Council Chamber bulletin board at least 72 hours in advance of this meeting. For each item <u>not</u> appearing on the posted agenda, upon which the Climate Action Commission wishes to take action, the Commission must make one of the following determinations:

- 1. Determine by a majority vote that an emergency exists as defined in Government Code Sec. 54956.5.
- Determine by a two-thirds vote, or by a unanimous vote if less than two-thirds of the Climate Action Commission is present, that need to take immediate action and that the need for action came to the attention of the City subsequent to the agenda being posted.

Use of Cell Phones During Meetings:

The Climate Action Commission appreciates your cooperation in turning off all cell phones.

Appeal of Climate Action Commission Decision:

Any aggrieved person or persons dissatisfied with a Climate Action *Commission* decision may appeal that decision to the City Council within 10 calendar days. In accordance with Government Code Section 65009, if any person(s) challenges the action of the Climate Action *Commission*, said person(s) may be limited to raising only those issues that were raised at the public hearing described in this notice, or in written correspondence delivered to the Climate Action *Commission* at, or prior to, the public hearing.

CITY OF CHICO CLIMATE ACTION COMMISSION REGULAR MEETING OF THURSDAY, JULY 9TH, 2020

Municipal Center - 421 Main Street - Council Chambers - 6:00 pm

<u>PUBLIC PARTICIPATION:</u> This meeting is being conducted in accordance with Executive Order N-29-20. Members of the public may virtually attend the meeting using the City's WebEx platform. Members of the public who wish to participate in public comments are encouraged to register in advance of the hearing by emailing <u>climatepubliccomment@chicoca.gov</u>, please add "PRE REGISTER FOR CAC" to the subject line. City staff will respond to your email prior to the meeting with a link to join as an attendee.

To provide comments, please submit an email with the subject line "PUBLIC COMMENT ITEM", sent to <u>climatepubliccomment@chicoca.gov</u> during the meeting, prior to the close of public comment on an item. The public is encouraged not to send more than one email per item and not to comment on numerous items in one email.

Public participants may use the following information to remotely view and participate in the Climate Action Commission meeting online:

Link: https://tinyurl.com/ydxzcmbk

Event (Meeting) Number: 146 644 6872

or

Phone number: 1-214-459-3653

Event Password: cac2020

1. CALL TO ORDER

1.1. Roll Call

2. CONSENT AGENDA

All matters listed under the Consent Agenda are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a member of the Climate Action Commission. A member of the public may request that an item be removed, provided the item does not relate to a noticed hearing which has been closed to further public comment. Items removed from the Consent Agenda will be considered immediately following the approval of the Consent Agenda.

2.1. Approval of Minutes

February 13th, 2020 (Attachment A).

3. <u>ITEMS TO BE DISCUSSED</u>

3.1. Climate Action Plan Virtual Workshop Update

Rincon Consultants will update the commission on the Climate Action Plan virtual engagement workshop.

3.2. Presentation from Public Works Department (Engineering)

The Public Works Department will lead a presentation on its efforts to reduce greenhouse gas emissions, and update the commission on related capital projects and efforts.

4. BUSINESS FROM THE FLOOR/PUBLIC COMMENT

Members of the public may address the Commission at this time on any matter not already listed on the agenda, with comments being limited to three minutes. The Commission cannot take any action at this meeting on requests made under this section of the agenda.

5. REPORTS & COMMUNICATIONS

These items are provided for the Commission 's information. Although the Commission may discuss the items, no action can be taken at this meeting. Should the Commission determine that action is required, the item or items may be included for action on a subsequent posted agenda.

6. ADJOURNMENT

Adjourn to the Adjourned Regular Meeting of Thursday, August 13th, 2020.

CITY OF CHICO CLIMATE ACTION COMMISSION

REGULAR MEETING OF THURSDAY, FEBRUARY 13, 2020

Municipal Center - 421 Main Street - Council Chambers - 6:00 pm

Commissioners Present: Mark Stemen, Chair

Cheri Chastain, Vice Chair

David Donnan Rebekah Casey Kirk Monfort Michael Nelson Tawny Vernau

Commissioners Absent:

Staff Members Present: Brendan Vieg, Community Development Director (Planning and Housing)

Molly Marcussen, Associate Planner Maggie Scarpa, CivicSpark Fellow

1. CALL TO ORDER

Chair Stemen called the meeting to order at 6:00 PM.

1.1. ROLL CALL

Commissioners and staff were present as noted above.

1.2. SWEARING IN OF NEWLY APPOINTED CLIMATE ACTION COMMISSIONER

Chair Stemen made a change to the agenda adding the swearing in of Commissioner Donnan to the Climate Action Commission.

City Clerk Presson lead the swearing in of David Donnan to the Climate Action Commission.

2. CONSENT AGENDA

All matters listed under the Consent Agenda are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a member of the Climate Action Commission. A member of the public may request that an item be removed, provided the item does not relate to a noticed hearing which has been closed to further public comment. Items removed from the Consent Agenda will be considered immediately following the approval of the Consent Agenda.

2.1. Approval of Minutes

Commissioner Casey made a motion to approve the January 9th, 2020 meeting minutes. Commissioner Donnan seconded the motion. Minutes approved 7-0.

3. ITEMS TO BE DISCUSSED

3.1. Brown Act Presentation (City Clerk)

City Clerk Presson lead a presentation on the Brown Act. PowerPoint and the commissions role in providing an open public process under California State Law.

3.2. <u>Department of Public Works (Operations and Maintenance) Presentation on Greenhouse Gas</u>
Reduction and Resiliency Efforts - Public Works Director (O&M) Erik Gustafson & City employees

Linda Herman, Richard Bamlet, and Jacques Vos lead a presentation highlighting key efforts the Department has underway to reduce GHG emissions and improve adaptation and resiliency. Topics included the PG&E Sustainable Solutions Turnkey Program, Community Choice Aggregation, goat grazing in Bidwell Park, retrofits and updates to the Wastewater Treatment Plant, and the Urban Forest Master Plan Grant and tree planting efforts (PowerPoint is provided as **Attachment A**).

Chair Stemen opened the item for public comment

Addressing the commission on this item were: community member Mary Kay Benson who asked what makes clean diesel clean.

Chair Stemen closed the item for public comment.

3.3. Reopen the Elections for Chair and Vice Chair

Commissioner Stemen nominated Commissioner Chastain for Chair. No other commissioners were nominated. Commission voted 7-0 for Chastain to be Chair. Commissioner Chastain nominated Commissioner Stemen for Vice Chair. No other commissioners were nominated. Commission voted 7-0 for Commissioner Stemen to be Vice Chair.

4. BUSINESS FROM THE FLOOR/PUBLIC COMMENT

Addressing the commission on this item were: community member Jared Geiser who noted his support for fire fuels management in Bidwell Park. Geiser added that he was not supportive of the newly installed stop sign at 4th and Flume asked the city to investigate turning forestry debris into biochar rather than chipping.

5. REPORTS & COMMUNICATIONS

Associate Planner Marcussen briefed the commission on 4 items:

- The city has heard from Rincon that the previously prepared GHG inventory was done correctly.
- Staff is reviewing a draft CAP Update Outreach Plan. Outreach should take place from June-September. Staff added that these public engagement events as well as the listening sessions are the most appropriate venues to for community members to provide input on CAP measures.
- Rincon has put together an Excel document of existing measures that are in the CAP, General Plan and Bicycle/ Pedestrian Master Plan for staff to review. Staff is reviewing and rating these measures.
- Staff received a draft schedule from Rincon and would like to note that their team will be engaging with the commission at future meetings.

5. ADJOURNMENT

There being no further business from the commission, the meeting was adjourned at 7:47 pm to the Regular Meeting of Thursday, March 12th, 2020.



Public Works O&M
Climate Action Commission Update
2-13-20

Climate Action Commission - Overview

Energy Reduction Accomplishments

- Facilites City owned and operated buildings
- Right-Of-Way (ROW) City street infrastructure
- Airport
- Fleet City Fleet and fueling operations
- Waste Water Treatment Plant
- Airport
- Internal Energy Audit Results



Ongoing energy reduction measures & projects

- Urban Forestry Program
- PG&E Sustainable Solutions Turnkey Program
- Groundwater Sustainability Agency (Vina GSA)
- Community Choice Aggregation (Butte Choice Energy)

Facilites lighting LED retrofit

- Equivalent to 40 metric tons of CO2 reduced annually
- \$50,000 in cost savings annually
- Less than 2 year ROI

Streetlight LED Retrofit

- Leader One of the first agencies to partner with PG&E
 - 2,267 PG&E-owned (LS-1)
 - 4,689 City-owned (LS-2)
- 50% reduction in energy
- Equivalent 1,060 metric tons of CO2 reduced annually
- \$250,000 cost savings annually

Airport LED retrofits

- 40 apron lights
- 204 taxiway lights
- LED taxiway signs



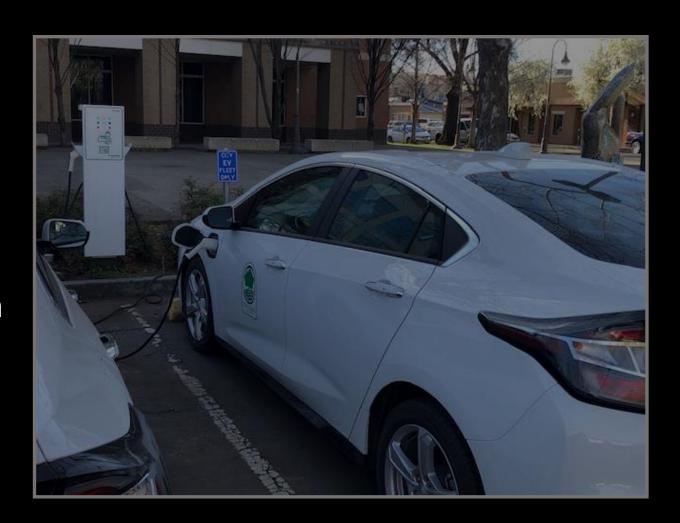


Fleet

- Early compliance: CARB emissions regulations exceeding Particulate Matter (PM) and NOx requirements
- Updated vehicle use policy reducing take home vehicles by 30%
- Continuous fleet optimization
- Deployed bio-diesel program and now investigating renewable diesel feasibility

Fleet

- Converting fleet to EVs where possible during replacement cycles. (both sedans & medium duty trucks).
- Deploying EV charging stations in City parking lots.



Waste Water Treatment Plant

- Deployed industry first ammonia metering and dissolved solids technology in aeration basins
 - Real-time aeration fine-tuning
 - \$130,000 annual savings
- Maintain 1-MW solar system and methane Co-Gen

Internal Energy Audit

Facility Name	Electric (kWh)	Electric (kW)	Ele	ectric (\$)	Gas (Therms)	(Gas (\$)	Water (CCF)	Total Water Cost	1	otal Cost	% of Total Electric Use	% of Total Gas Use	% of Total Cost
Wastewater Treatment Plant	2,342,401	826	\$	529,032	177,442	\$	71,152	-	-	\$	600,184	35.90	81.96%	27.50%
Street Lights	1,591,593	-	\$	558,059	-	\$	-	-	-	\$	558,059	24.39	% 0.00%	25.57%
City Hall	763,367	286	\$	150,402	11,636	\$	9,168	-	-	\$	159,570	11.70	5.37%	7.31%
Various A6 Accounts (10 Locations)	494,774	250	\$	119,416	-	\$	-	-	-	\$	119,416	7.58	% 0.00%	5.47%
Police Station	368,855	108	\$	66,592	957	\$	1,205	-	-	\$	67,797	5.65	% 0.44%	3.11%
Traffic Signals	342,232	2	\$	79,428	-	\$	-	-	-	\$	79,428	5.25	% 0.00%	3.64%
Municipal Services Center	270,816	165	\$	81,980	13,187	\$	11,631	-	-	\$	93,611	4.15	6.09%	4.29%
Fire Stations	137,967	66	\$	32,450	8,642	\$	8,181	-	-	\$	40,631	2.11	3.99%	1.86%
Animal Shelter	67,238	29	\$	16,319	4,042	\$	4,625	-	-	\$	20,944	1.03	% 1.87%	0.96%
Council Chambers	60,820	76	\$	14,345	-	\$	-	-	-	\$	14,345	0.93	% 0.00%	0.66%
Downtown Park	49,328	21	\$	11,293	-	\$	-	-	-	\$	11,293	0.76	% 0.00%	0.52%
General Service	25,542	16	\$	6,137	584	\$	724	-	-	\$	6,861	0.39	% 0.27%	0.31%
Irrigation	9,283	1	\$	9,297	-	\$	-	-	-	\$	9,297	0.14	% 0.00%	0.43%
Parking Lot Lighting	136	3	\$	755	-	\$	-	-	-	\$	755	0.00	% 0.00%	0.03%
City-Wide Water	-	-	\$	-	-	\$	-	134,393	\$ 400,540	\$	400,540	0.00	% 0.00%	18.35%
Total	6,524,352	1,849	\$:	1,675,507	216,490	\$	106,686	134,393	400,540	\$	2,182,733	100.00	100.00 %	100.00%

- Annual utility costs are ~ \$2,200,000 / yr.
- City has approximately 678 separate electric, natural gas, and water accounts (opportunity for Utility portfolio solution)
- WWTP and Street Lights are over 60% of total electric consumption and 65% of electric cost
- WWTP is 45% of peak demand
- WWTP consumes over 80% of the City's annual natural gas usage

Waste Diversion

- Commercial/ Residential Recycling
- Yard waste Recycling
- Compost Facility ~20k tons/year
- Leaf Collection
- C&D Recycling
- Scrap Metals
- Asphalt Regrind
- Future Food Waste Diversion

Year	Landfill Tons	MT CO2e/Ton	Total MT CO2e	Population	Pounds per person per day	Cal Recycle Target
2005	88,307	0.2835	25,035	78,918	6.1	6.2
2006	87,413	0.2835	24,782	78,653	6.1	6.2
2007	94,759	0.2835	26,864	84,491	6.1	6.2
2008	90,747	0.2835	25,727	86,772	5.7	6.2
2009	75,537	0.2835	21,415	87,713	4.7	6.2
2010	75,295	0.2835	21,346	86,103	4.8	6.2
2011	74,984	0.2835	21,258	86,900	4.7	6.2
2012	74,890	0.2835	21,231	87,500	4.7	6.2
2013	74,107	0.2835	21,009	87,671	4.6	6.2
2014	69,595	0.2835	19,730	88,389	4.3	6.2
2015	74,105	0.2835	21,009	89,634	4.5	6.2
2016	76,341	0.2835	21,643	92,117	4.5	6.2
2017	82,440	0.2835	23,372	91,398	4.9	6.2
2018	80,808	0.2835	22,909	92,861	4.8	6.2
	Differe	nce from 2005	-8.5%	17.7%	-22.2 %	

- Vegetative Fire Fuels Reduction:
 - Goat Grazing nearly 100 acres grazed in Bidwell Park and Foothill Preserve.
 - California Conservation Corps Grant (8.000 hours).
 - Cal Fire grant to develop Vegetative Fuels Management Plan.
 - Ongoing removal of non-native invasive vegetation by volunteers and staff.



- Urban Forestry Program
- PG&E Sustainable Solutions Turnkey Program
- Groundwater Sustainability Agency (Vina GSA)
- Community Choice Aggregation (Butte Choice Energy)

Climate Action Commission - Ongoing Efforts City of Chico Urban Forest Revitalization Program September 2018 City of Chico awarded a grant \$425,811 Total program including match \$608,913

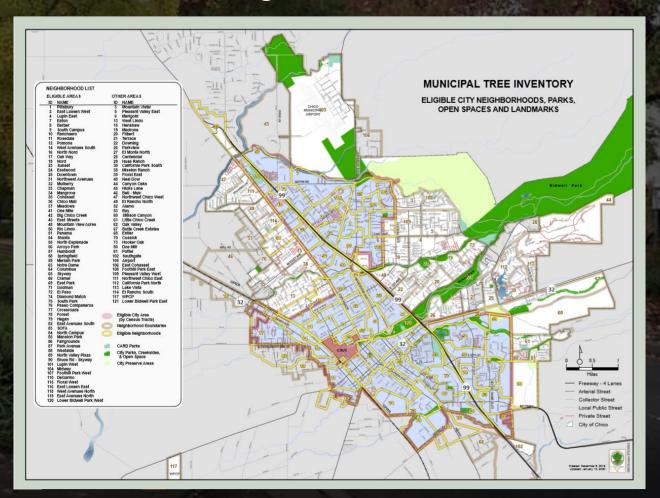
City of Chico Urban Forest Revitalization Program

Four Components:

- A. Conduct a new City-wide urban forest tree inventory
- B. Produce an Urban Forest Master Plan (UFMP) and Urban Tree Canopy Analysis (UTC) (i-tree Eco)
- C. Tree Replanting in Disadvantaged and Low-Income Communities SB 535/AB 1550
- D. Community engagement

City of Chico Urban Forest Revitalization Program

- GHG reduction:
- Tree Planting
- 700 new trees
- Carbon sequestration
- Utility offsets



City of Chico Urban Forest Revitalization Program

- GHG Data (CARB)
- 1764 Mt CO2e sequestered C
- 845 Mt CO2e energy savings
- (130 Mt CO2e) emissions
- Net GHG benefits
- = 2479 Mt CO2 e
- Additional Co-pollutant benefits NO2, PM2.5,
- Storm water reduction



California Air Resources Board
California Climate Investments

Final Calculator Tool for
Urban and Community Forestry Program
Greenhouse Gas Reduction Fund
Fiscal Year 2017-18

Project Name:	City of Chico Urban Forest Revitalization Project				
Grant ID, if applicable:	8GG17406				

GHG Summary Worksheet

GHG Benefit of Carbon Stored in Live Project Trees Estimated Using i-Tree Planting	
(MT CO ₂ e)	1,764
GHG Benefit of Carbon Stored in Live Project Trees Estimated Using i-Tree Streets	
(MT CO ₂ e)	0
GHG Benefit from Energy Savings Estimated Using the i-Tree Planting	
(MT CO ₂ e)	845
GHG Benefit from Energy Savings Estimated Using i-Tree Streets	
(MT CO ₂ e)	0
GHG Benefit of Carbon Stored in Wood Products	
(MT CO ₂ e)	0
GHG Benefit from Utilizing Biomass for Energy Generation	
(MT CO ₂ e)	0
GHG Benefit from Preventing the Landfilling of Biomass	
(MT CO ₂ e)	0
GHG Emissions from Project Implementation	
(MT CO ₂ e)	130

2,479
\$425,811
\$425,811
0.005821769
0.005821769
\$171.77
0

City of Chico Urban Forest Revitalization Program

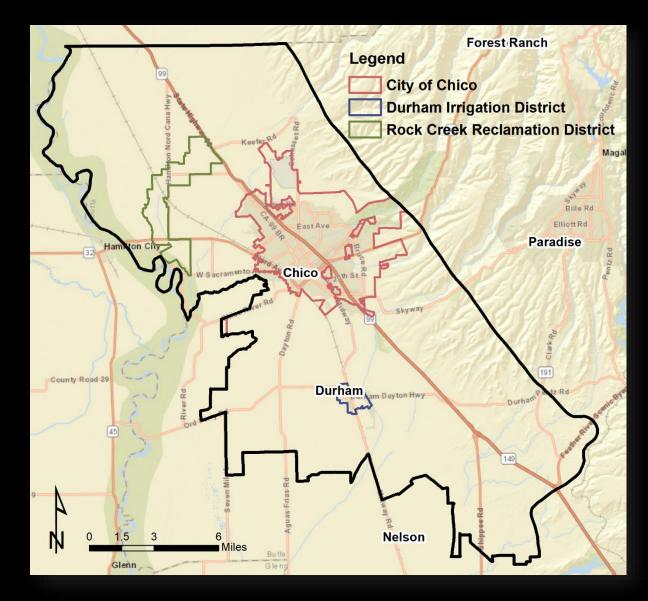
- California Cap-and-Trade auction proceeds deposited into Greenhouse Gas Reduction Fund (GGRF), used to further the objectives of the California Global Warming Solutions Act of 2006 (Assembly Bill 32 (AB 32); Núñez, Chapter 488, Statutes of 2006)
- California Climate Investments (CCI) Urban & Community Forestry Program administered by CalFire

PG&E Sustainable Solutions Turnkey (SST) Program

- City-wide
- Facilities
- WWTP
- Currently conducting Investment Grade Audits (IGA)
- All City facilities are subject (Ongoing);
 - Audit will highlight specific energy saving measures for the city's aging infrastructure
 - Audits will contain energy savings recommendations that can be realized through conventional energy retrofits or where possible deep energy retrofits (DER)
 - DER's are costly upfront and are harder to finance for cities.
 - DER's do generate a greater and more immediate return on investment
 - Caution: retrofitting aging infrastructure can be more expensive than building new smart infrastructure

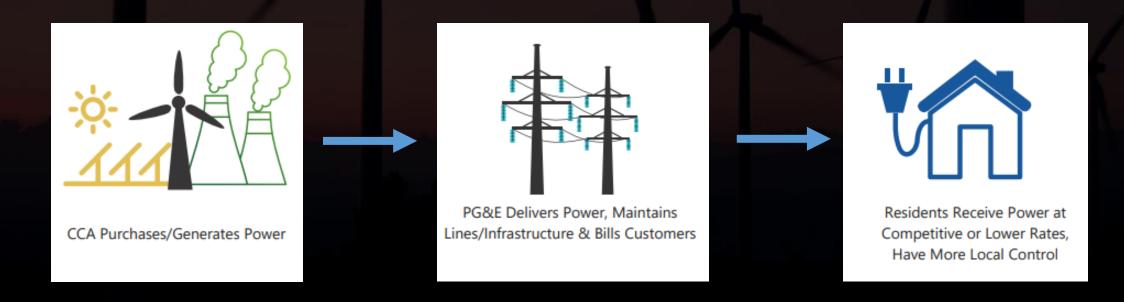
Groundwater Sustainability (Vina GSA)

- SGMA took effect 2015
- GSAs formed by 2017 (Agency with water supply, water mgmt., or land use jurisdiction)
- Groundwater Sustainability Plans (GSP) by 2022
- Groundwater sustainability by 2042



Community Choice Aggregation (Butte Choice Energy)

 Allows communities to aggregate their power needs and purchase power on the open market (AB 117, 2002)



Community Choice Aggregation (Butte Choice Energy)

Benefits:

- Choice & Local Control
- 2% rate savings, \$5-million in annual savings for the region
- Economic development
- Competitive with neighboring public owned utilities
- Fund local energy projects

Risks:

- Initial start-up costs
- Slight reduction in utility user tax
- Must remain competitive with local investor-owned utility

Community Choice Aggregation (Butte Choice Energy)

Happening Now:

- Implementation plan submitted to CPUC
- RFPs for finance, data management, wholesale power support and executive recruitment launched
- Updating load-demand analysis and resource adequacy filings
- Meets second Monday every month at 05:30 PM at BCAG

Climate Action Commission - Recap

- Accomplishments
- Ongoing efforts
- Report to Climate Action Commission at significant milestones



Questions?