



Agenda

Sustainability Task Force

A Committee of the Chico City Council

Meeting of Thursday, August 23, 2018 – 5:30 p.m.

Municipal Center - 421 Main Street, Conference Room No. 1 in the Council Chambers

1. **CALL TO ORDER AND ROLL CALL**
2. **APPROVE JULY 12, 2018 MEETING MINUTES** - Draft 07/12/18 minutes attached.
3. **CONTINUE DISCUSSION AND COMMENTS ON DRAFT STF REPORT OUTLINE SUMMARIZING CITY'S STATUS IN IMPLEMENTING THE CLIMATE ACTION PLAN (STF Member Loker)** – The STF is preparing a draft report highlighting the City's status in implementing the CAP and achieving its GHG emissions reduction goal, and highlighting additional steps the City and community can take to meet GHG emission goals established by the State. The STF reviewed early draft report outlines and provided comments and direction at its June 28th and July 12th meetings. Discussion and comments will continue. See attached *Draft Status Report Outlines Regarding CAP Implementation*.
4. **CHICO CHAPTER OF CITIZENS' CLIMATE LOBBY (Gordon Gregory)** – The Chico Chapter of Citizens' Climate Lobby has requested an opportunity to introduce the organization and its efforts to the STF, and specifically to discuss the need for federal action on climate change.
5. **REPORTS & COMMUNICATIONS** - These items are provided for the STF's information. Although the STF may discuss the items, no action can be taken at the meeting. Should the STF determine that action is required, an item may be included on a subsequent agenda.
6. **BUSINESS FROM THE FLOOR** - Members of the public may address the STF at this time on any matter not already listed on the agenda, with comments being limited to three minutes. The STF cannot take any action at this meeting on requests made under this section of the agenda.
7. **ADJOURNMENT** - Next meeting scheduled for October 11, 2018.

ATTACHMENT(S): 07/12/18 STF Meeting Minutes (Draft)
Draft Status Report Outlines Regarding CAP Implementation

Agenda available from the City's website at www.ci.chico.ca.us under "**Meetings/Agendas**"

Prepared: 08/15/18
Posted: 08/15/18
Prior to: 5:30 pm

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Sustainability Task Force Members:

Cheri Chastain, Vice Chair
Lucas RossMerz

Dave Donnan
Mark Stemen, Chair

William Loker

**CITY OF CHICO SUSTAINABILITY TASK FORCE
MINUTES OF THE MEETING OF
JULY 12, 2018**

Municipal Center
421 Main Street
Council Chambers, Conference Rm. 1

STF Members Present: Mark Stemen, Chair
Cheri Chastain, Vice Chair
Dave Donnan
William Loker

STF Members Absent: Lucas RossMerz

Staff Members Present: Brendan Vieg, Deputy Director, CDD
Molly Marcussen, CivicSpark

Guests Present: Ken Rensink
Mary Kay Benson
Lauren Ayers

1. CALL TO ORDER

Chair Stemen called the meeting to order at 5:30pm. STF members, City staff, and guests were present as noted.

2. APPROVE MAY 31, 2018 MEETING MINUTES

The 05/31/18 STF Meeting Minutes were approved 4-0-1 (RossMerz absent).

3. CONTINUE DISCUSSION AND COMMENTS ON DRAFT STF REPORT OUTLINE SUMMARIZING CITY'S STATUS IN IMPLEMENTING THE CLIMATE ACTION PLAN

The STF reviewed a draft outline and draft sections of a report highlighting the City's status in implementing the CAP and achieving its GHG emissions reduction goal. The report will also highlight additional steps the City and community can take to meet GHG emission goals established by the State. The STF discussed the following topics and provided the following comments:

- STF Member Chastain is working on an Executive Summary
- STF Chair Stemen provided updated information regarding GHG targets for fuel, electricity and natural gas, and waste to landfill
- There was a discussion regarding the need to highlight the State's new GHG reduction goal

(40% reduction by 2030), and the need for the City to similarly adopt that goal

- Direction was given to include reference to, and incorporate appropriate language from, the *Safeguarding California* report prepared by the State
- There was a discussion regarding the timeline to finalize the report in early Fall
- A draft of the document will be prepared and provided at the August 23rd STF meeting
- A Google file and document will be developed by STF Member Loker and shared with the group so that individuals can work on the document simultaneously

4. 2017/18 CIVICSPARK INITIATIVE: UPDATE

The STF received a final update from CivicSpark Fellow Marcussen regarding preparation of the City of Chico Vulnerability Assessment, as well as long-term strategies for mitigating anticipated local impacts of climate change. The report is receiving final edits, has been shared with City Department Heads, and will be made available to Council, other City boards and commissions, and the community later this year.

5. REPORTS & COMMUNICATIONS

Deputy Director Vieg shared that the Residential Remodel Retrofit Ordinance will be considered by Council at its September 4, 2018 meeting.

6. BUSINESS FROM THE FLOOR

Lauren Ayers shared with the STF the importance of mycorrhizal fungi in sustainable farming and its value in reducing GHG emissions.

7. ADJOURNMENT

There being no further business from the STF, the meeting adjourned at 6:25pm to the meeting of Thursday, August 23, 2018.

Date Approved

Brendan Vieg, Deputy Director, CDD

STF Summary Report: 2013-18

Executive Summary 1-2 single-spaced pages

1. Brief overview of City commitments to sustainability, Climate Action Plan and the creation of the STF
2. 2013 City Council mandate to STF to focus on implementation of CAP.
3. Review goals of CAP.
4. Brief overview of actions of STF since 2013 (Appendix for list of partners, agencies that STF has worked with)
5. Status of GHG emissions relative to CAP goals
6. Conclusion: The City is not meeting its commitments, the evidence for climate change is incontrovertible, need for action is urgent, need to prioritize high impact actions, expand discussion of adaptation and resilience

Body of Report: 5-8 single-spaced pages?

- I. City Commitments to Sustainability
 - a. US Conference of Mayors Climate Protection Agreement
 - b. General Plan 2030
 - c. Federal and State mandates, legislation, regulations
- II. History: Creation of the City STF and drafting of the Climate Action Plan
 - a. Initial composition, mission of STF
 - b. CAP
 - i. Review main points of CAP
 1. Scenarios: baseline, business as usual, reduction targets
 2. Local versus state/national actions
 3. Sector contributors to GHGs
 - ii. Phased approach
 1. Phase 1 through 2015
 2. Phase 2 2015-2020
- III. STF since 2013
 - a. Membership and mission
 - b. Actions of the STF (Appendix)
- IV. Current status of GHGs relative to CAP
 - i. BAU, baseline, Targets: City is falling short of goals
 - b. Implications of failure
 - i. Climate change is happening
 1. Can we present data on number of days >100 degrees for recent summers compared to long-term average?
 2. Average monthly temps
 3. Recent trends in snow pack
 4. Other global indicators: Arctic ice, Greenland ice cap, glacier in retreat, etc
 - ii. City needs to live up to its commitments – priorities for action
 1. Transportation sector
 2. Energy

- 3. Conservation
 - iii. City needs to prepare for climate change
 - 1. public health consequences
 - a. cooling centers
 - b. incidence of disease
 - c. pests
 - 2. Water availability for domestic, industrial, landscape, agriculture
- V. Conclusions: City needs to recommit to sustainability
 - a. Sustainability and quality of life – as important as public safety, economic development
 - b. Sustainability needs to inform all City decisions
 - c. Business as usual → BAU GHGs
 - d. Seek the triple bottomline
 - e. Prepare adaptive strategies for resilience in the face of climate change
 - i. City needs to work closely with Butte County, surrounding jurisdictions for comprehensive approach, esp for transportation planning.
 - ii. Ag sector plays an important role in both accelerating and potentially mitigating climate change. Ag also potentially disrupted by climate change
 - f. Prioritize high impact actions
 - i. Carbon tax, SUV tax, cap & trade investments
 - ii. Public transportation, electric vehicle infrastructure
 - iii. Incentives for commuters, getting kids to school safely
 - iv. Solar energy investments
 - v. Weatherization of homes, especially rental units, low income housing
 - vi. Infill and other aspects of 2030 general plan
 - vii. Urban forest
 - viii. Look for partners, external funding, e.g. like PG&E, Civic Spark
 - g. Reconstitute STF and prioritize its work relative to City decision making moving forward

“The Sustainability Task Force shall promote a culture of stewardship within our community to enhance our natural resources, economic interests and quality of life for present and future generations in the City of Chico by collaboratively developing programs and initiatives which will distinguish Chico as a leader in sustainability efforts.” Mission Statement, 2011-12”

15-17 member STF in 2012

Task Force Members Ann Schwab, Chair; Dwight Aitkens, BT Chapman, Tom DiGiovanni, Chris Giampaoli, Ken Grossman, Jon Luvaas, Scott McNall, Jim Pushnik, Valerie Reddemann, Toni Scott, Jon Stallman, Jim Stevens, Scott Wolf, Julian Zener

“Completion” and “implementation” of the Cap were considered urgent and high priorities respectively in January 2013 meeting

- I. Current status of GHGs relative to CAP
- i. BAU, baseline, Targets: City is falling short of goals of 25% by 2020. Targets as of 2016:
 - Gas and Diesel Fuel – down 34%
 - Gas prices since 2000
<https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=EMM EPM0 PTE SCA DPG&f=W>
 - Commercial and Residential Electricity – up 5%
 - Commercial and Residential Natural Gas – down 9%
 - Waste to Landfill – down 14%
 - Approved/Proposed single family lots – 3,249
 - Approved/Proposed multi-family units – 1,800
 - Units constructed in 2017 – 270 SF, 307 MF
 - b. Implications of failure
 - i. Climate change is happening
 1. Extreme heat days (104 degrees) for recent summers compared to long-term average
 - a. Historical average (1961-1990) – 4.3
 - b. 2006-2016 – 10
 - c. 2050 - 27
 2. Average monthly maximum temps
 - a. Historical average (1961-1990) – 74.5
 - b. 2006-2016 – 76.6
 - c. 2050 – 80
 3. Average monthly minimum temps
 - a. Historical average (1961-1990) – 47.8
 - b. 2006-2016 – 49.7
 - c. 2050 – 52.9
 4. Recent trends in snow pack (northern Sierra Nevada Mountain Range)
 - a. Historical average (1961-1990) – 7.9
 - b. 2006-2016 – 6.0
 - c. 2050 – 2.6
 5. Other global indicators: Arctic ice, Greenland ice cap, glacier in retreat, etc
 - ii. City needs to live up to its commitments – priorities for action
 1. Transportation sector
 - a. Mass transit
 - b. Bike infrastructure
 2. Energy
 - a. Remodel Retrofit Ordinance
 - b. Increase solar production (CCA)
 3. Conservation
 - a. Municipal composting
 - iii. City needs to prepare for climate change

1. Increased temperatures and frequency of heat wave
 - a. Vulnerable need cooling centers
 - b. Water quality and incidence of disease & pests
 2. Changes in precipitation patterns
 - a. Decreased water supply
 - b. Increased flooding
 3. Increased wildfires
 - a. Urban/wild land interface
 - b. Extended fire season
- c. Prioritize high impact actions
- i. Community Choice Aggregation (CCA)
 - ii. City subsidy for public transportation
 - iii. Electric vehicle infrastructure
 - iv. Incentives for commuters, getting kids to school safely
 - v. Solar energy investments
 - vi. Remodel retrofit
 - vii. Weatherization of homes, especially rental units, low income housing
 - viii. Infill and other aspects of 2030 general plan
 - ix. Urban forest – plant trees as mitigation and adaptation
 - x. Look for partners, external funding, e.g. like PG&E, Civic Spark