



Agenda

Sustainability Task Force

A Committee of the Chico City Council

Meeting of Thursday, July 12, 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 MAY 31, 2018 MEETING MINUTES** - *Draft 05/31/18 minutes attached.*
3. **CONTINUE DISCUSSION AND COMMENTS ON DRAFT STF REPORT OUTLINE SUMMARIZING CITY'S STATUS IN IMPLEMENTING THE CLIMATE ACTION PLAN (STF Member Chastain)** – 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 an early draft report outline and provided comments and direction at its June 28th meeting. Discussion and comments will continue. See attached *Draft Status Report Outlines Regarding CAP Implementation*.
4. **2017/18 CIVICSPARK INITIATIVE: UPDATE (CivicSpark Fellow Marcussen)** – The STF will receive its regular update regarding the effort to develop long-term strategies for mitigating anticipated local impacts of 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 August 23, 2018.

ATTACHMENT(S): 05/31/18 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: 07/05/18
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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
MAY 31, 2018**

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

STF Members Present: Mark Stemen, Chair
Dave Donnan
Lucas RossMerz

STF Members Absent: Cheri Chastain, Vice Chair
William Loker

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

Guests Present: Sherry Morgado, Assistant Director, Butte County Public Health
Ashiah Scharaga, Chico News & Review
Chris Smith

1. CALL TO ORDER

Chair Stemen called the meeting to order at 5:31pm. STF members, City staff, and guests were present as noted.

2. APPROVE APRIL 12, 2018 MEETING MINUTES

The 04/12/18 STF Meeting Minutes were approved 3-0-2 (Chastain and Loker absent).

3. PROVIDE COMMENTS ON DRAFT CLIMATE CHANGE VULNERABILITY ASSESSMENT

CivicSpark Fellow Marcussen provided the STF with an overview of her efforts to develop a draft Climate Change Vulnerability Assessment utilizing a methodology laid out by the State. The Assessment highlights primary and secondary threats associated with climate change, and identifies the threats most likely to affect the City. The findings of the Vulnerability Assessment will be used to develop long-term strategies for mitigating anticipated local impacts of climate change. The STF provided the following comments/thoughts on the draft Vulnerability Assessment:

- There needs to be greater coordination between the City, Butte County, and other jurisdictions in the North State related to the topics identified in the Assessment

- The importance of the City’s urban forest needs to be highlighted, especially its role in
- Extreme heat events are already a major concern, and the modeling identifies a steady increase especially under the high emissions scenario
- Provide context in the document as to how the Cal-Adapt modeling forecasts should be used and interpreted
- Highlight that future precipitation will be more in the form of rain than snow, which will result in more immediate runoff and flooding concern
- The document figures should be on their own page to allow greater readability

The STF was informed that it can provide comments directly to CivicSpark Marcussen over the next several weeks.

4. DISCUSSION REGARDING BUTTE COUNTY PUBLIC HEALTH’S PLANNING EFFORTS TO ADDRESS CURRENT AND FUTURE EXTREME HEAT CONDITIONS

Sherry Morgado, Assistant Director for Butte County Public Health, provided a brief overview of the County’s efforts to plan for and address current and future extreme heat conditions. The group discussed the following:

- The County’s use of health advisories, press releases, Facebook to reach the community and local providers about what to do during heat events (e.g., use AC, drink water, stay inside, etc.)
- Public Health is just starting to engage in the conversation regarding climate change and its public health implications, especially to vulnerable populations (e.g., elderly, outdoor workers, children, etc.)
- Public Health has been coordinating with CivicSpark Fellow Marcussen at Butte County regarding development of the County’s Vulnerability Assessment
- Public Health is interested in the “health in all policies” initiative
- There is a recognition that there isn’t a comprehensive approach in the region for responding to extreme heat events
- There is a need to identify cooling center locations and program when they are available
- There needs to be a coordinated approach to reaching out to more vulnerable members of the community. There is an opportunity to coordinate with Chico State on this approach.
- There are less drinking fountains available for people to simply get water during hot days
- There needs to be greater coordination between Butte County Office of Emergency Services, Butte County Public Health, and local jurisdictions regarding extreme heat events

Sherry shared her enthusiasm to collaborate with the STF and next year’s CivicSpark Fellow on developing an Extreme Heat Preparedness Plan for the City of Chico.

5. UPDATE ON STF REPORT SUMMARIZING CITY’S STATUS IN IMPLEMENTING THE CLIMATE ACTION PLAN

The STF received a brief update from STF Chair Stemen on development of an outline and 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.

6. **REPORTS & COMMUNICATIONS**

Deputy Director Vieg shared that the PEV Readiness Plan was complete and accepted by the BCAG Board.

7. **BUSINESS FROM THE FLOOR**

None.

8. **ADJOURNMENT**

There being no further business from the STF, the meeting adjourned at 6:30pm to the meeting of Thursday, June 28, 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