



**CHICO**  
**CLIMATE ACTION COMMISSION**  
**REGULAR MEETING AGENDA**  
**THURSDAY, MARCH 10, 2022 - 6:00 P.M.**  
(VIRTUAL MEETING)

# Chico

## CLIMATE ACTION COMMISSION

Cheri Chastain, Chair  
Mark Stemen, Vice Chair  
Ann Bykerk-Kauffman  
Ashley Koller  
Brian Kress  
Kirk Monfort  
Joshua Pierce

**Copies of this agenda  
available from:**

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

Or

[www.chico.ca.us](http://www.chico.ca.us)

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**Posted:** March 3, 2022  
**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, 2<sup>nd</sup> 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, 2<sup>nd</sup> 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](http://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 not 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.
2. 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, MARCH 10, 2022**  
Municipal Center - 421 Main Street - Council Chambers - 6:00 pm  
(Virtual Meeting)

**PUBLIC PARTICIPATION:** *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 Zoom platform.*

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

**Event Name:** Climate Action Commission Meeting

**Date/Time:** Thursday, March 10, 2022, at 6:00 PM

**Event URL:** <https://us06web.zoom.us/j/82369205063?pwd=VlxHY2V0M3pVK2FTeFcxM012OVpxQT09>

**Password:** Climate22

**Webinar ID:** 823 6920 5063

**Call-in #:** +1 669 900 6833 or +1 408 638 0968    **Call-in Password:** 526152577

**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 10, 2022 (Attachment A)

**3. ITEMS FOR DISCUSSION**

**3.1. Climate Action Plan Update**

Associate Planner Molly Marcussen will provide the commission with an overview of the Climate Action Plan Update that was adopted in September 2021.

**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, April 14, 2022.

**CITY OF CHICO**  
**CLIMATE ACTION COMMISSION**  
**REGULAR MEETING OF THURSDAY, FEBRUARY 10, 2022**  
Municipal Center - 421 Main Street - Council Chambers - 6:00 pm  
(Virtual Meeting)

Commissioners Present: Cheri Chastain, Chair  
Mark Stemen, Vice Chair  
Ann Bykerk-Kauffman  
Ashley Koller  
Brian Kress  
Kirk Monfort  
Joshua Pierce

Commissioners Absent: None

Staff Members Present: Molly Marcussen, Associate Planner

**1. CALL TO ORDER**

Chair Chastain called the meeting to order at 6:02.

**1.1. Roll Call**

Commissioners were present as noted above. Commissioner Pierce joined the meeting at 6:11pm.

**2. CONSENT AGENDA**

**2.1. Approval of Minutes**

*Vice Chair Stemen moved to approve the minutes. Commissioner Monfort seconded. Minutes approved 6-0-1 (Commissioner Pierce absent for voting).*

**3. ITEMS FOR DISCUSSION**

**3.1. SB 379 Engagement Update (Climate Adaptation and Resiliency)**

Associate Planner Molly Marcussen and CivicSpark Fellow Nick Hart provided the commission with an update regarding the Senate Bill 379 engagement effort that took place in 2020 (see PowerPoint presentation as **Attachment A**).

**3.2. Guest Speaker Discussion**

The commission discussed what guest speakers they would like to hear from over the next year. Potential guest speakers mentioned included:

- Butte Choice Energy
- City of Chico Traffic and Capital Projects Division
- Waste Haulers
- City of Chico Engineering (Operations and Maintenance) Department
- City of Chico Housing Division
- California Energy Commission regarding electrification

4. **BUSINESS FROM THE FLOOR/PUBLIC COMMENT**

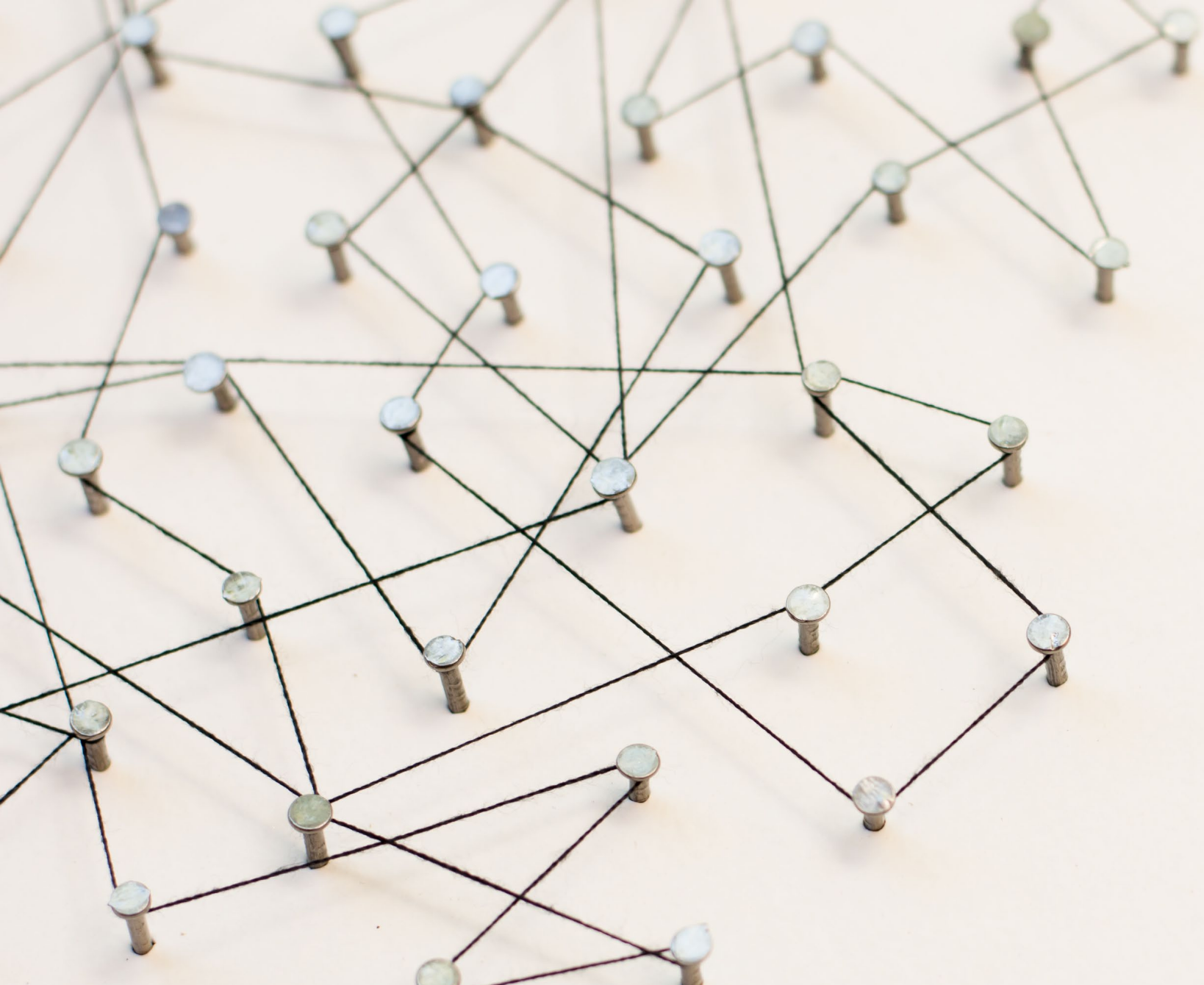
None.

5. **REPORTS & COMMUNICATIONS**

Associate Planner Molly Marcussen shared that a local developer has recently completed a housing project that was fully electric. Additionally, she informed the commission that the Public Works Traffic Division has a request for proposals out for development of an Active Transportation Plan. Vice Chair Stemen let the commission know that the “What We Love About Chico” event will be happening at Chico State on March 30<sup>th</sup> at 6:00 PM in Colusa Hall (Room 100). Commissioner Koller informed the commission that Butte Environmental Council held an Air Quality Forum in February and information on the Climate Action Plan Update was shared at the event.

6. **ADJOURNMENT**

Adjourn at 7:18 to the Adjourned Regular Meeting of Thursday, March 10, 2022.



# SB 379 Update Two

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CITY OF CHICO

2/2022

# Agenda

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January Follow-Up



Introduction to the Local Hazard  
Mitigation Plan



Overview of the 2020-2021  
Community Engagement Process



# January Follow-Up

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- 2017 PIT Survey
  - 2019 is most recent year with Chico-level data available
  - 2019 PIT Survey results: 864 persons experiencing homelessness in Chico of 1,266 persons county-wide. 31% Camp Fire survivors, 84% resided in Butte County prior to experiencing homelessness.
  - Data updated every 5 years in Local Hazard Mitigation Plan
- Numbering Error: Figures 16 & 17
  - Numbering error due to the inclusion of additional figures
  - Resolved
- Updated flood maps in development with City GIS Department
  - California Dept. of Water Resources Best Available Map: <https://gis.bam.water.ca.gov/bam/>
- Sediment modeling – included due to general ecosystem impacts, some science underway @ CSU Chico related to Camp Fire impacts in Big Chico Creek
- Single-generation Cal-Adapt baseline incorporated into draft

# “Recent” Cal-Adapt

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| Historical Data Applies to Both Emissions Scenarios    | Historical Average ( 1961-1990) | 1993 (1980-2005) |
|--|---------------------------------|------------------|
| Annual Average High Temperature                        | 75.1 °F                         | 75.5 °F          |
| Annual Average Low Temperature                         | 48.4 °F                         | 49.8 °F          |
| Extreme Heat (Days above 103.9 °F)                     | 4                               | 5                |
| Precipitation  | 28.2”                           | 30.4”            |
| Snowpack Sierra Nevada Mountains (North Sierra Region) | 8.7”                            | 8.3”             |
| Wildfire Low Pop Scenario                              | 88 acres                        | No data          |

# Local Hazard Mitigation Plan

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- Put together by Butte County as required by State of California
- Includes Annex specifically for City of Chico developed in collaboration with relevant City Departments
- Updated every 5 years
- Includes all Climate Change Vulnerabilities as hazards
- LHMP has been adopted into the Safety Element of the General Plan
- Available online:  
[https://chico.ca.us/sites/main/files/file-attachments/local\\_hazard\\_mitigation\\_plan.pdf](https://chico.ca.us/sites/main/files/file-attachments/local_hazard_mitigation_plan.pdf)



# Hazard Findings

- Methodology is explained in detail in Table B-5 of the 2019 Local Hazard Mitigation Plan
- Primary vulnerabilities identified in the Climate Change Vulnerability Assessment are highlighted here

| Hazard  | Geographic Extent | Likelihood of Future Occurrences | Magnitude/Severity | Significance | Climate Change Influence |
|---|-------------------|----------------------------------|--------------------|--------------|--------------------------|
| Climate Change  | Extensive         | Likely                           | Limited            | Low          | –                        |
| Dam Failure   | Significant       | Occasional                       | Critical           | Medium       | Medium                   |
| Drought & Water shortage                                      | Significant       | Likely                           | Limited            | High         | High                     |
| Earthquake and Liquefaction                                   | Extensive         | Occasional                       | Critical           | High         | Low                      |
| Floods: 100/200/500 year                                      | Significant       | Occasional                       | Critical           | High         | Medium                   |
| Floods: Localized Stormwater                                  | Significant       | Likely                           | Limited            | Medium       | Medium                   |
| Hazardous Materials Transportation                            | Extensive         | Occasional                       | Limited            | Medium       | Low                      |
| Invasive Species: Aquatic                                     | Limited           | Unlikely                         | Limited            | Low          | Low                      |
| Invasive Species: Pests/Plants                                | Significant       | Likely                           | Limited            | Low          | Low                      |
| Landslide, Mudslide, and Debris Flow                          | Significant       | Occasional                       | Limited            | Medium       | Medium                   |
| Levee Failure   | Limited           | Occasional                       | Limited            | Medium       | Medium                   |
| Severe Weather: Extreme Heat                                  | Extensive         | Likely                           | Limited            | Medium       | High                     |
| Severe Weather: Freeze and Winter Storm                       | Limited           | Occasional                       | Limited            | Medium       | Medium                   |
| Severe Weather: Heavy Rain and Storms (Hail, Lightning, Wind) | Significant       | Highly Likely                    | Limited            | High         | Medium                   |
| Severe Weather: Wind and Tornado                              | Limited           | Occasional                       | Limited            | Medium       | Low                      |
| Stream Bank Erosion   | Significant       | Likely                           | Limited            | Low          | Low                      |
| Volcano   | Significant       | Unlikely                         | Critical           | Low          | Low                      |
| Wildfire  | Significant       | Highly Likely                    | Critical           | High         | High                     |

# Identified City Mitigation Activities

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- Integrate Local Hazard Mitigation Plan into Safety Element of General Plan
- Enhance Public Education and Awareness of Natural Hazards and Public Understanding of Disaster Preparedness
- Upgrades to Generator at Chico Municipal Airport
- Upgrades to Generator at Chico Fire Station 2
- Development and Implementation of an Intelligent Transportation System
- Bruce Road Bridge Retrofit
- Enhance BD Drainage Ditch @ Fair Street Detention Pond
- De-silt drainage channels from just north of 5-mile through Chico City Limits
- Lindo Channel Defensible Space Project
- Upper Bidwell Park Fuel Reduction





# Climate Adaptation Community Engagement

2020-2021

Attachment A



# Process Overview

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- Chico's previous CivicSpark Fellow, Austin, completed a community engagement process regarding community perspectives on Climate Adaptation and Resiliency.
- Completed online due to COVID guidelines in place at the time, a survey was disseminated to obtain the following :
  - The level of community concern regarding various climate change impacts and
  - Identify community desired solutions to climate adaptation challenges
- The survey was promoted through various channels including City social media accounts and a press release



**How should Chico adapt to climate change?**

**Take this SURVEY**

<https://www.surveymonkey.com/r/L993ZCX>

**MAR 29th**  
-  
**APR 12th**

**Engage** in the City of Chico's update of the Safety Element with climate adaptation strategies.

# Four Climate Change Impacts

1. Increased Temperature
2. Increased Frequency of Extreme Heat Days
3. Changes to Precipitation Patterns
4. Increased Wildfire Risk



# Survey Outcome Summary – Climate Impacts

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- 84 of 115 responses (73%) indicate that all four impacts would affect participants.
- Respondents prioritized the impacts in the following order:
  - 1. Increased Wildfire Risk
  - 2. Changes to Precipitation Patterns
  - 3. Increased Frequency of Extreme Heat Days
  - 4. Increased Temperature
- Participants were provided the opportunity to provide comments explaining their reasoning:

*“Being able to afford my air conditioning bill/possible increase in homeowners insurance due to fire risk. Mine has already jumped due to the Camp Fire.”*

*“I do not have central AC nor a filter on my house for smoke. Also, I am an avid whitewater kayaker and when it doesn't precipitate, I can't do that, which makes me sad”*

*“I have breathing issues so smoke is VERY challenging for me”*

# Survey Outcome Summary – Community Solutions

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- Survey participants were provided with hypothetical situations which play out climate change impacts.
- They were then asked to prioritize potential adaptation and mitigation strategies provided by5 the survey
- The three situations addressed:
  - Extreme Heat/ Urban Heat Island Effect
  - Wildfire
  - Flood risk

# Survey Outcome Summary – Community Solutions #1 - Heat

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## Respondent Preference:

1. Tree Planting
2. Cooling Centers
3. Cool Surfaces
4. Targeted Outreach Campaigns
5. Zoning

## Respondent Comments:

“I think cooling centers are a wonderful resource especially since they can also offer a variety of other resources.”

“Chico’s present expansion will results [sic] in new structures, communities, and neighborhoods popping up at a quick rate. Using specialized blacktop surfaces or special building materials constructed to be heat resistant will assist in keeping temperatures around these areas down. Targeted outreach programs offering repair expense assistance or low cost [sic] loans to those experiencing cooling outages would greatly prevent the described situation below.”

# Survey Outcome Summary – Community Solutions #2, Wildfire

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## Respondent preference:

1. Land-use Decisions
2. Strengthening Partnerships Between Key Actors
3. Wildfire Education

## Respondent Comments:

“In Chico we can’t control a lot besides land use decisions. So we should decide to manage the forest we can and have defensible space and talk to indigenous people who know about the forest and can act on Federal Land.”

“Getting rid of the fuel is the priority. Then educate to keep it clear. Land use regulation is the most complicated, slowest and runs head-on into our housing shortage.”

# Survey Outcome Summary – Community Solutions #3, Flooding

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## Respondent Preference:

1. Upgrade Existing Flood Control Infrastructure
2. Engage Tribal Communities with Traditional Ecological Knowledge
3. Enhance Public Infrastructure (i.e., raising bridge, etc.)

## Respondent Comments:

“I live in Chico’s “golden triangle” and have already experience the storm drain system backing up and flooding properties during severe thunderstorms. It will only get worse if the City doesn’t deal with it’s poorly designed storm water system. There is an areas where two different systems meet and that intersection is not served well by either system. It’s the “fringe” area of the systems.”

“Traditional Ecological Knowledge is critical for long-term, sustainable solutions. They can provide input to all of these scenarios”

# Next Steps

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- Staff continue to develop a draft safety element amendment which incorporates both the Climate Vulnerability Assessment and the Community Survey responses.
- Draft should be brought before CAC in coming months for review.
- Cal Fire Hazard Severity Zone Maps remain unseen – will likely entail significant changes to Chico area (climate change considerations, windstorm modeling, etc.).