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# Agenda

## Sustainability Task Force

A Committee of the Chico City Council

Meeting of Thursday, July 27, 2017 – 5:30 p.m.

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

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1. **CALL TO ORDER AND ROLL CALL**
2. **APPROVE JUNE 22, 2017 MEETING MINUTES**  
*Draft 06/22/17 minutes attached.*
3. **DISCUSSION OF CHICO'S URBAN FOREST AND ITS ROLE IN ADDRESSING CLIMATE CHANGE (Richard Bamlet, Chico's Urban Forester and Charles Withuhn, Chico Tree Advocates)** – A discussion of ongoing and future efforts to improve the health of Chico's urban forest, the importance of trees in reducing greenhouse gases, and how a shaded community is adaptive and resilient to warming temperatures.
4. **2017/18 CIVICSPARK INITIATIVE: CLIMATE ADAPTATION (Principal Planner Vieg and STF Chair Stemen)** – Both the CAP and state legislation direct the development of long-term strategies for mitigating anticipated local impacts of climate change. Next year's CivicSpark Fellow will coordinate with CSU, Chico, and City and Butte County staff, in the development of a Draft Climate Change Vulnerability Assessment that identifies risks climate change poses to the community, and also prepare draft adaptation and resiliency goals, policies and objectives. *Original CivicSpark application attached.*
5. **CHANGE DATE FOR OCTOBER 26<sup>th</sup> STF MEETING (Principal Planner Vieg)** – Due to scheduling conflicts it is necessary to identify an alternate date for the scheduled October 26<sup>th</sup> STF meeting. The proposed new date is November 9<sup>th</sup>.
6. **MILLION WATT CHALLENGE – UPDATE AND FUTURE PLANNING/PRIORITIES (CivicSpark Member Goldstein)** – Update and planning priorities for the Million Watt Challenge.
7. **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.
8. **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.
9. **ADJOURNMENT** - Next meeting scheduled for Thursday, September 14, 2017.

**ATTACHMENT(S):** 06/22/17 STF Meeting Minutes (Draft)  
CivicSpark Application

Agenda available from the City's website at [www.ci.chico.ca.us](http://www.ci.chico.ca.us) under "**Meetings/Agendas**"

Prepared: 06/14/17  
Posted: 06/14/17  
Prior to: 5:30 pm

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



Please contact the City Clerk at 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.

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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  
JUNE 22, 2017**

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

STF Members Present: Mark Stemen, Chair  
Cheri Chastain, Vice Chair  
Lucas RossMerz

STF Members Absent: William Loker  
Dave Donnan

Staff Members Present: Brendan Vieg, Principal Planner  
Bryce Goldstein, CivicSpark Member

Guests Present: Jim Pushnik, CSU, Chico  
Kim Jones, Butte College  
Chris Madden, Butte College  
Julie Kistle, CUSD  
Scott Grist  
Danielle Baxter  
Meredith Solomon

**1. CALL TO ORDER**

Chair Stemen called the meeting to order at 5:35 pm. STF members, City staff, and guests were present as noted.

**2. APPROVE MAY 11, 2017 MEETING MINUTES**

*The 05/11/17 STF Meeting Minutes were approved 3-0.*

**3. CHICO'S EDUCATIONAL INSTITUTIONS' EFFORTS TO REDUCE GHG EMISSIONS**

Jim Pushnik (CSU, Chico), Kim Jones (Butte College), Chris Madden (Butte College) and Julie Kistle (CUSD) provided updates on completed and planned efforts of those institutions to reduce GHG emissions (**see attachments for details regarding presentations**).

The following topics were discussed after each presentation:

### Chico Unified School District

- Integration of E/V fueling at parking lots for students and staff
- What level of Collaborative for high Performance Schools (CHPS) rating did CUSD's new buildings achieve
- Has CUSD prepared an assessment of energy saving. Staffing limitations are a problem, although attempts have been made to work with a program (Lucid)
- Possibility that CUSD could pursue a CivicSpark member, or Bryce may be of assistance
- Discussion regarding retention of trees. Due to irrigation reduction during the drought an issue arose regarding the health of exotic trees and the potential hazards they produce. Julie Kistle shared that new construction has included the planting of hundreds of trees far in excess of the trees that were lost.
- Discussion of CUSD's efforts regarding composting and recycling
- Question regarding the academic contact at CUSD re sustainability

### Butte College

- Integration of E/V fueling at parking lots for students and staff
- Ensure that Butte College gets credit for the donation of the land to Bikeway 99 project
- Has Butte College prepared an assessment of energy saving or measured GHG emission reductions. They focused on measuring reduced use metrics, but not at a macro level.
- A suggestion was made that Butte College look into recent state funding for tree replanting
- A broader discussion regarding Energy Storage Butte College has investigated the idea but is waiting for the economics to work out

### CSU, Chico

- All new buildings were built to LEED Silver standard. School is now moving towards consideration of retrofitting older buildings
- Integration of real-time building monitoring data with academic programs
- Chico State is involved in a South Campus planning process in collaboration with City of Chico, which is yielding excellent results
- Questions regarding how an institution can achieve climate neutrality when building new buildings – increase offsets, solar, and consolidation of building functions

## **4. CHANGE DATE FOR OCTOBER 26th STF MEETING**

Principal Planner Vieg highlighted the need to identify an alternative date for the scheduled October 26<sup>th</sup> STF meeting, and recommended that the date be changed to November 9<sup>th</sup>.

The STF requested that this item come back to the July 27<sup>th</sup> meeting when all STF members are present.

## 5. **MILLION WATT CHALLENGE – UPDATE AND FUTURE PLANNING/PRIORITIES**

CivicSpark Member Goldstein and Principal Planner Vieg provided the STF with an update regarding the Million Watt Challenge, including the addition of new Challenge partners, the neighborhood workshops, sustainable business expo, newspaper stories, and the effort to give away prizes for drawings.

The following topics were discussed:

- Need to get more folks to take the survey
- Need to create a QR Code for the survey and try it out at the Chico Bicycle Music Festival
- Ability to have folks complete paper survey at booth

## 6. **WE ARE STILL IN**

STF member Chastain shared that a coalition of US economic, education, and local government leaders recently announced they will continue to abide by the Paris Agreement regardless of America's withdrawal, forming the We Are Still In movement. **Attached** is the We Are Still In open letter showing the names of companies, investors, mayors, and governors declaring continued support to meet the Paris Agreement (webpage - <http://www.wearestillin.com/>)

The STF discussed how to get the City of Chico to declare its support for We Are Still In. It was agreed the best way to get on the Council agenda is to have a City Councilmember request the issue be agendized.

## 7. **REPORTS & COMMUNICATIONS**

STF member Chastain shared that a number of community organization are collaborating to write a grant application regarding food recovery with an emphasis on GHG emission reductions and requested that STF Chair Stemen provide a letter of support. The STF authorized submittal of a letter of support.

## 8. **BUSINESS FROM THE FLOOR**

STF member RossMerz requested that the Chico Tree Advocates and also the City's new urban forester be placed on a future agenda to discuss the health of urban forest.

STF Chair Stemen shared that 1) PG&E continues to make progress on the study that supports the draft Residential Remodel ordinance, 2) Building Official Leo DePaola is serving as interim Community Development Director, and 3) progress is being made with the 2018 CivicSpark

program.

Meredith Solomon inquired about a City contact for placing solar on city-owned buildings that are leased to private entities.

**9. ADJOURNMENT**

There being no further business from the STF, the meeting adjourned at 7:00pm to the meeting of Thursday, July 27, 2017.

\_\_\_\_\_  
Date Approved

Brendan Vieg, Principal Planner



# Chico Unified School District

## Sustainability Projects

1

## CUSD Sustainability Projects

- ❑ Districtwide Lighting Retrofit - Reduced lamps by 50%
- ❑ Chico High School New Classroom Building-CHPS Verified
- ❑ Chico High School Lincoln Center-CHPS Verified
- ❑ Pleasant Valley High School Yale Building-CHPS Verified
- ❑ Marsh Junior High School Multipurpose Building-CHPS Verified
- ❑ Marsh Junior High School Science Building-CHPS Verified
- ❑ Chico Junior High School Science Building-CHPS Verified
- ❑ Solar Photovoltaic Systems
- ❑ Automated/Centralized Energy Management System (EMS)
- ❑ H<sup>2</sup>O Conservation Initiatives
- ❑ Proposition 39-Energy Projects
  - LED Exterior Lighting
  - LED Interior Lighting
  - HVAC Package Unit Replacements

2

## Lighting Retrofit Projects

In 2008, reduced 4 lamp fluorescent fixtures to 2 lamps and changed bulbs to T-8's at every campus.

3

## What is CHPS (Collaborative for High Performance Schools)

Creating healthy, comfortable environments demands understanding how building elements affect one another. Integrated design focuses on these interactions, and creates environments that are energy and resource efficient. These increased efficiencies save money on utility bills and decrease our carbon footprint.

4

## Solar Phase One

Chico High School Parking Lot - 517 DC kW

Pleasant Valley High School Parking Lot - 622 DC kW

Chapman Elementary School Parking Lot - 483 DC kW

CUSD Corporation Yard Ground Mount System - 87 DC kW

Marsh Junior High School Ground Mount Systems - 316 DC kW

5

## Solar Phase Two

Bidwell Junior High Sport Field - 260 DC kW

Emma Wilson Elementary School Playground - 205 DC kW

Neal Dow Elementary School Playground - 112 DC kW

Rosedale Elementary School Playground - 149 DC kW

6



## Automated Energy Management System - EMS

Established District-wide set points 68/78 degrees  
Scheduling control (holidays and summer)

7

## H<sup>2</sup>O Conservation Initiatives

Irrigation water shut-off from November 1<sup>st</sup> through April 1<sup>st</sup> Annually  
Automated irrigation scheduling  
Low Impact Landscape Planning for new construction

8

## Proposition 39 "Clean Energy Act" Projects (5-Year Plan)

- 2015 - 120 Exterior Lighting Fixtures to LED  
New High Bay LED's Bidwell Junior High School Gymnasium
  
- 2016 - Chiller Replacement at Little Chico Creek Elementary School  
960 Exterior Lighting Fixtures to LED  
New High Bay LED's Chico Junior High School Gymnasium  
17 Classroom HVAC Replacements (CJHS, Citrus & BJHS)
  
- 2017 - Coming Soon! 48 HVAC Replacements (Chapman, McManus,  
Rosedale, & Neal Dow)

## Butte College Sustainability Efforts

- 2013 we upgraded our Building Automation System. This gives us greater control of the HVAC equipment and lighting and provide the ability to more closely match the operation of equipment with needs of the District users, resulting in reduced energy consumption.
- 2014 – 2016 we have installed building-level energy meters and recommissioned the mechanical equipment in 7 of the District's buildings. These meters allow us to measure energy consumption and identify buildings to focus our retro-commissioning efforts on.
- Summer 2016 we installed 157.68 Kw of covered parking solar panels (436 panels) at our Skyway Center.
- With both the Chico Campus Solar and the Main Campus Solar we are producing 76% of the electricity it uses on these three sites.
- As a part of our Bond construction program we will continue to design our buildings to meet and where possible, exceed the Title 24 requirements. As new buildings and major renovations are designed and constructed, the target will be to reach some level of Zero Net Energy. This will be done with a combination of energy efficient design and operation and the installation of on-site renewable energy.
- Our current plan is to design the new 57,000 square foot Welding building with approximately 340 Kw to help offset the increased utility load to the campus.
- We continue to collaborate with the City of Chico in preparation of the installation of a bike path behind our current Chico Center and Skyway Center.
- The District has funded a two-year faculty position to organize campus education & outreach on campus and to local high schools, help develop/adapt curriculum (to include more energy education), coordinate faculty mini-grants, and coordinate student internships. This summer his focus is on developing curriculum for the Sustainable Technologies Certificate.
  - Energize Colleges renewable energy curriculum development
  - Collaboration with CSU system development of a new Sustainability minor
  - Review and update our Sustainability Studies Certificate
- We continue to reduce our paper usage on campus by communicating electronically both in the classroom settings and through advertisement.
- The District has installed approximately 20 electric charging stations at the three different sites with a plan, once the infrastructure is in to install at least 10 more.
- We promote and have a very robust carpool system on campus and issue approximately 500 carpool parking passes each semester.
- We continually review and improve our student bussing system to align with class schedules working to encourage students to use our system rather than drive to school. We transport approximately 1300 students daily on our bus system.

### **Save the Dates:**

- ✓ **Fall Geography Conference campus tour** - Wednesday, Oct. 25<sup>th</sup>, 2017
- ✓ **Campus Sustainability Days** - Wednesday, Oct. 17<sup>th</sup> & Thursday, Oct. 18<sup>th</sup>, 2017

# Sustainability Steering Committee

## Monday, May 22<sup>nd</sup>

### 2017-2018 Modeling Sustainability Initiative Strategies

#### Strategy 1 - Educational Opportunities

Provide educational opportunities in the area of sustainability by:

Supporting, along with local and regional partners, opportunities for student and faculty applied research, development and implementation of innovative practices outside of the classroom.

- Collaboration with MESA applied research projects.
- Collaboration with Energize Colleges partnerships in the community
- Faculty curriculum summit

Developing sustainability-focused courses, certificates and degrees in transfer and career-oriented education outcomes.

- Energize Colleges renewable energy curriculum development
- Collaboration with CSU system development of a new Sustainability minor
- Review and update our Sustainability Studies Certificate
- Faculty curriculum summit

Increasing opportunities for campus internships that promote green practices.

- Energize Colleges internships
- Work experience at the Sustainability Resource Center

Providing Professional Development for faculty and staff in the area of sustainability.

- Energize Colleges faculty mini-grant projects
- Flex week workshops
- Conference attendance
- Faculty curriculum summit

Conducting campus and community education.

- Campus events, presentations and workshops

#### Strategy 2 - Carbon Footprint Reduction

Continue to reduce the college's carbon footprint by:

Focusing on reducing single passenger commuting practices including collaboration with external agencies to provide public transportation.

- Collaborate with the SRC to support publicity efforts to promote carpooling.

Educating faculty, staff and students on effective practices to reduce paper usage by implementing Image Now, emphasizing the use of MyBC and creating electronic forms for routine processes.

- Continue with these efforts

Considering greenhouse gases (GHG) effects during new construction.

- Discuss GHG impacts during decision making

Developing and implementing energy conservation and alternative energy production.

- Look at ways for FPM to increase efforts.
- Work with employees to conserve energy in classrooms and offices.

Creating EV charging capacity.

- Continue to increase infrastructure for electric vehicles.

Reducing the use of bottled water through education and accessible water stations.

- Continue to install water stations throughout the campus.

Researching best practices at other colleges, including but not limited to energy conservation, waste reduction and divestment campaigns

- Attend conferences and network with other institutions.

### **Strategy 3 - Water Conservation**

**Demonstrate environmental stewardship through water conservation by:**

1. Continue Xeriscaping to enhance the beauty of the campus through native plants and eco- grasses.

- Continue to implement the plan to transition existing landscape and turf to low/no irrigation landscape.
- Continue to implement state standards for irrigation (SB1881).
- Incorporate into new building standards use of native plants and/or drought tolerant landscaping.

2. Focus on campus water conservation and the elimination of water waste.

- Select plants that have low water requirements
- Closely manage the irrigation system and make adjustments as needed to make it as efficient as possible
- Repair leaks

THIS WAY TO SUSTAINABILITY CONFERENCE 2017

# RE-ENVISIONING THE FUTURE:

OUR PATH FORWARD  
THURSDAY, MARCH 23 - FRIDAY, MARCH 24

## THIS YEARS TOPICS

- Water Resources
- Climate Impacts on Food & Agriculture
- Lifestyles, Health, & Wellness
- Energy & the Environment
- Infrastructure & Transportation
- Population
- Student Engagement
- Community Partnerships & Action
- Education for Resilience
- Business & Economic Strategy



# California State University, Chico Campus As a Living Lab: Sense of Place – Connecting Courses in the Sustainability Pathway with Campus Utility Data

James C. Pushnik and Fletcher K. Alexander  
Colleen A. Hatfield, Kristen M. Kaczynski, David L. Brown, Eric ? Willard, Janine M. Stone, Thia ? Wolf, Nathaniel M. Millard  
Kevin Doyle, Neil Nunn, Dan Hayden, Mike Bates, Bob Smith, Dan Murphy, Curtis Sicheneder

## 1. CALL Objectives

- Establish a public point of access to campus building energy consumption data and foster an expanded dialogue between students, faculty, administration and facilities management regarding campus energy consumption and opportunities for conservation.
- Integrate real campus utility data into the sustainability pathway course curriculum with a focus on utilizing cutting-edge utility management software programs and analytics in new and innovative ways.
- Explore a range of strategies for engaging building occupants and residents in better understanding their buildings and the impacts of their interactions with them on campus energy consumption and compel them to act for conservation.

## 2. Program Partnerships

- Chico State Facilities Management & Services
- University Housing & Food Services
- Associated Students – Wildcat Rec Center















Institute for Sustainable Development

LOGO

- College of Natural Sciences
- Department of Biology
- Department of Geological & Environmental Sciences
- College of Behavioral & Social Sciences
- Department of Economics
- College of Undergraduate Education
- First Year Experience Program



## 3. Campus Building Integration & Academic Course Outcomes

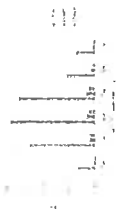
CALL IAY '14/'15	CALL II AY '15/'16	CALL III AY '16/'17
 O'Connell Academic 1990's	 Sutter Residential 2010's	 SSC Administrative 2010's
 Tehema Academic 1990's	 Shasta Residential 1950's	 WREC Rec Facility 2010's
 Holt Academic 1970's	 Lassen Residential 1950's	 Taylor II Academic 2010's
 Phys Science Academic 1970's	 Whitney Residential 1950's	 Butte Academic 1950's



Students in GEOS 330 have studied energy trends in the Physical Science building their classes are taught in.



GEOS 330 students have also compared consumption patterns across campus academic buildings.



Students in ENVL 105 have analyzed energy trends in three campus residence halls and the dining center.



Students in UNIV 105 have developed peer-to-peer outreach videos encouraging residents to act for conservation.

## 4. GE Pathway in Sustainability

General Education Pathway courses participating in CSU, Chico's CALL Project

Lower Division (9 units required)  
Foundation

- CHEM 100: Chemistry & Current Issues
- CIVL 175: Biological Processes in Envl Engineering
- GEOS 101 (I): Physical Geography
- GEOS 130: Intro to Environmental Science
- NSCI 101: Intro to Earth's Environment
- BIOL 102: Intro to Living Systems
- Area C1: Arts
- CMGT 275: Architectural History
- THEA 252: Politics, Performance & Power
- Area C2: Humanities
- ENGL 252 USD: American Indian Literature
- PHIL 129: Environmental Ethics
- RELS 247: Religion, Ethics & Ecology
- Area D1: Individual & Society
- GEOS 102 GC: Human Geography
- HIST 105 GC: Global Environmental History
- RECR 210: Natural Resources & the Informed Citizen
- Area D2: Societal Institutions
- ANTH 112 GC: Society, Time & Archaeology
- ANTH 116 GC: Power & Scarcity: Anthro of Change
- GEOS 106 USD: The American West
- Area E: Learning for Life
- ENVL 105 (I): Environmental Literacy
- NFSC 100: Basic Nutrition
- UNIV 105 (I): Self, Identity & Sustainability

Upper Division (9 units required)  
Natural Sciences

- BIOL 334: Conservation Ecology
- GEOS 330 (Z)/(I): Environmental Science - CAPSTONE
- PSSC 390 GC (F): Food Forever: Sust Food Production
- PSSC 392 GC (S): World Food & Fiber Systems
- Humanities
- ENGL 388 (Z)/(I): Environmental Rhetoric
- HIST 341 USD: American Environment
- PHIL 396 USD: American Indian Envl Philosophies
- Behavioral & Social Sciences
- ECOM 365: Environmental Economics
- GEOS 304: Environmental Issues
- SOCI 420 USD: Environmental Sociology



# California State University, Chico Initiative for Resilient Cities: South Campus Neighborhood Project

## A Community Resilience Partnership Between the University and the City of Chico

James Pushnik and Fletcher Alexander

Colleen Hatfield, Kristen Kaczynski, Amanda Barret, David Eaton, Tim Sistrunk, Joni Meyer, LaDonna Krügge, Dean Fairbanks, Chris Fossen  
 City Partners: Brendan Ottoboni, Linda Herman, Dan Effesef, Wyatt West, Dave Britz, Mark Orme, Ann Schwalb



### 1. The Initiative for Resilient Cities

- The Initiative for Resilient Cities is an EPIC-N affiliated program established by the Institute for Sustainable Development at CSU, Chico in 2016.



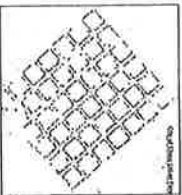
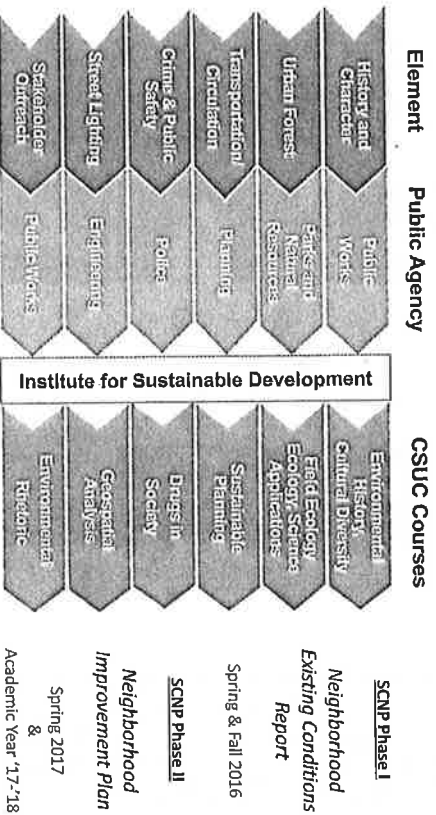
EST. 2006  
 California State University, Chico

- The Initiative's Mission is to partner with cities and counties across Northern California to connect faculty and courses across the University's curriculum with real community sustainability and resilience projects.

### 2. CSU, Chico & City of Chico 3-Year MSA

- Proposal submitted to Chico City Council in November, 2015 – approved 7-0.
- Three-year Master Services Agreement established between the City of Chico and the Institute for Sustainable Development – starting January 2016.
- The MSA and all Project Amendments are set up through the University's Research Foundation.
- The first project focuses on the South Campus Neighborhood, a six-by-seven square block area south of campus and west of downtown Chico.
- This partnership with the City of Chico builds on years of collaboration between the City and the University – in particular, the Institute for Sustainable Development – on community sustainability issues. This has included:
  - Supporting development of the City's 2020 Climate Action Plan.
  - Working with the City to track community-wide GHG emissions on an annual basis.
  - University representatives serving in various roles on the City's Sustainability Task Force.

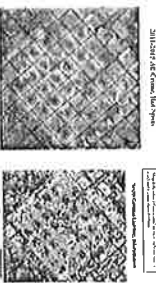
### 3. The South Campus Neighborhood Project



Students in BIOL 350, BIOL 484 and GEOS 365 worked with Chico's Parks Division to develop and carry out a protocol to inventory all of the street trees in the neighborhood. This included assessing the size, age and health of the trees as well as recording any interference with sidewalks, power lines and street lights.



Students in HIST 105 researched the history of the neighborhood and developed a narrative of both its physical and cultural development. ANTH 113 students complemented these efforts by exploring the character of the space and how people identify with it.



Students in GEOG 411 worked with Chico PD to map crime in the neighborhood over a five-year period. They also collected sidewalk light readings (over 2,500 data points) throughout the neighborhood and mapped lighting levels. Working with PG&E, the City has since replaced all of the streetlights with high-power, high-efficiency LEDs.

### 4. The EPIC Model

The EPIC (Educational Partnerships for Innovation in Communities) Model originated as the Sustainable City Year Program at the University of Oregon in 2009. The Model has since been replicated by 25 Universities - and counting - across the United States, and the EPIC-Network (EPIC-N) has been established to share best practices and support efforts across participating campuses.



#### Key Tenets of the EPIC Model

- This is a university and community partnership.
- The program utilizes existing courses.
- The program is scaled for impact.
- It is based on faculty opt-in.
- Community partners are chosen through a deliberative selection process.
- Projects are defined by university and community consensus.
- There is a purposeful advancing of the social good as a core principal in this model.
- Students are actively engaged in the endeavor.
- The program is multidisciplinary in approach.
- There is a defined geographic focus.
- There is a defined time limit to the partnership.
- There is a mutual investment by the city and university.

### 5. Student Feedback

"On behalf of Professor Fossen's ENGL 358Z class we would like to formally thank you for the opportunity to work on the South Campus Neighborhood Project. This is a wonderful chance to improve a small, but very influential sector of downtown Chico. Many of us commute through, reside in, or do business within this area of concern." - Letter from Student Participants in ENGL 338

This is the real deal – as good an experience as my time in college has provided. The opportunity to put my skills learned in the classroom immediately to use on a significant, real world project right here in my own community has been incredibly valuable to me and an experience that will help define my time in Chico." - GEOG 411 Student Participant





## Overview

As soil loss and degradation and climate change threaten our natural and agricultural resources, the future depends on our ability to create healthy and sustainable food systems. Chico State is committed to leveraging its hands-on educational programs, applied research, and community and industry partnerships to investigate, develop, and disseminate regenerative farming practices that restore and enhance the resiliency and biodiversity of our food systems.

## You Can Transform Tomorrow's Food Systems

By investing in the CSU, Chico Regenerative Agriculture Initiative, you will help us create a model regenerative ecosystem at the University Farm, as well as study and promote regenerative methods of partner agricultural operations across the region. Our primary fundraising efforts are for Educational Outreach programs including conferences and seminar series on RA practices; establishment of RA demonstration sites for applied research and internship programs; and the development of RA curriculum.

## Make a Gift Today

Give online at [www.csuchico.edu/giving](http://www.csuchico.edu/giving).

Send a check, payable to:

**University Foundation - CSU Chico Regenerative Agriculture Initiative**

California State University, Chico  
400 West First Street  
Chico, California 95929-0999

*For more information, please contact:*

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**CSU CHICO**  
INSTITUTE FOR  
SUSTAINABLE  
DEVELOPMENT

**Regenerative  
Agriculture  
Initiative**



**THE INSTITUTE FOR  
SUSTAINABLE DEVELOPMENT**  
CALIFORNIA STATE UNIVERSITY, CHICO  
CHICO, CA 95929-0633  
530-898-3333

## Leaders in

### Sustainable Agriculture

Recently ranked the nation's No. 1 sustainable college farm by College Values Online, the 800-acre Paul L. Byrne Agricultural Teaching and Research Center (known as the University Farm) has been a living laboratory for students, faculty, and staff for nearly 60 years. The Regenerative Agriculture Initiative is advancing the University Farm's leadership in organic and sustainable practices by connecting its work with that of the CSU, Chico Institute for Sustainable Development.

### A Vision for the Future

The Initiative for Regenerative Agriculture aims to be a global research center, demonstration site, and policy think tank by investing in research, practices, and policies that will allow farmers and ranchers to affordably build or rebuild soil carbon levels.

## Together, we will:

- Develop interdisciplinary teams to research innovative, practical, and highly transferable methods to regenerate soils and ecosystems
- Create a multi-sector network that includes academics, farmers, industry leaders, community members, and policy makers to implement and realize the benefits of regenerative strategies
- Develop and implement strategies for creating multi-scale food security, locally and globally
- Support policies that create equitable, healthy and resilient food systems

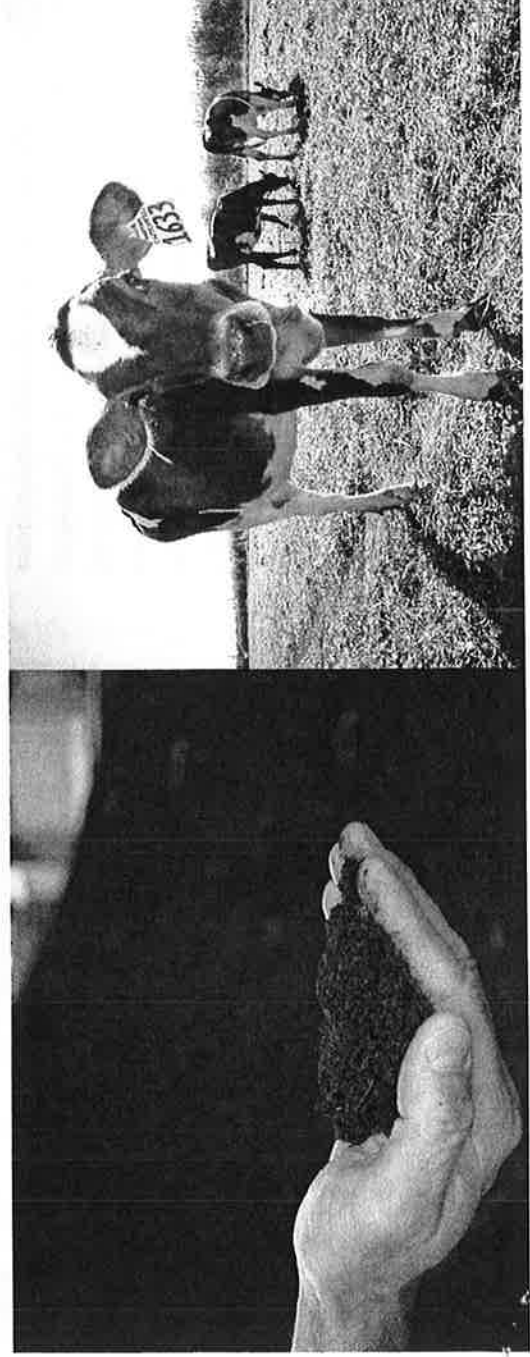
## Current Regenerative Agriculture Initiative programs include:

**Organic Dairy Education and Research Program (ODP)**, directed by Professor Cynthia Daley, provides students with hands-on learning in organic livestock production systems, including the interconnectedness of soil biology, nutrient dense forages and crops, and healthy livestock. ODP conducts applied research and hosts annual field days on organic production methods.

**Cultivating Communities Project**, directed by Professor Lee Altier, addresses food security needs in Butte County by supporting local farmers through workshops and educational outreach that aims to enhance a more local, nutrient dense, food supply.

**North Valley Food Hub**, directed by Professor Jake Brimlow, provides critical services to both growers and wholesale buyers that include consolidating transaction costs, creating a one-stop shopping platform for buyers and a marketplace for grower to post and promote their products.

**Institute for Sustainable Development**, directed by Professor Jim Pushnik, supports the Regenerative Agriculture Initiative as well as other campus-community projects that promote sustainability, including the initiative for Resilient Cities and Campus as a Living Laboratory.



# WE ARE STILL IN

## Open letter to the international community and parties to the Paris Agreement from U.S. state, local, and business leaders

We, the undersigned mayors, governors, college and university leaders, businesses, and investors are joining forces for the first time to declare that we will continue to support climate action to meet the Paris Agreement.

In December 2015 in Paris, world leaders signed the first global commitment to fight climate change. The landmark agreement succeeded where past attempts failed because it allowed each country to set its own emission reduction targets and adopt its own strategies for reaching them. In addition, nations - inspired by the actions of local and regional governments, along with businesses - came to recognize that fighting climate change brings significant economic and public health benefits.

The Trump administration's announcement undermines a key pillar in the fight against climate change and damages the world's ability to avoid the most dangerous and costly effects of climate change. Importantly, it is also out of step with what is happening in the United States.

In the U.S., it is local and state governments, along with businesses, that are primarily responsible for the dramatic decrease in greenhouse gas emissions in recent years. Actions by each group will multiply and accelerate in the years ahead, no matter what policies Washington may adopt.

In the absence of leadership from Washington, states, cities, colleges and universities, businesses and investors, representing a sizeable percentage of the U.S. economy will pursue ambitious climate goals, working together to take forceful action and to ensure that the U.S. remains a global leader in reducing emissions.

It is imperative that the world know that in the U.S., the actors that will provide the leadership necessary to meet our Paris commitment are found in city halls, state capitals, colleges and universities, investors and businesses. Together, we will remain actively engaged with the international community as part of the global effort to hold warming to well below 2°C and to accelerate the transition to a clean energy economy that will benefit our security, prosperity, and health.

Jump to section: [Cities and Counties](#) | [States](#) | [Higher Education](#) | [Businesses and Investors](#)

[Click here](#) to read full press release.

**Companies, investors, mayors and governors wishing to add their name to the statement can do so by registering [here](#). Colleges and universities wishing to add their name can do so by registering [here](#).**

## CITIES AND COUNTIES

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Bill De Blasio, Mayor of New York City  
Kasim Reed, Mayor of Atlanta  
Kirk Caldwell, Mayor of Honolulu  
Martin J. Walsh, Mayor of Boston

Dow Constantine, Executive of King County (WA)  
Madeline Rogero, Mayor of Knoxville  
Adam Paul, Mayor of Lakewood  
J. Richard Gray, Mayor of Lancaster  
Pete Saenz, Mayor of Laredo

Sylvester Turner, Mayor of Houston  
 Jackie Biskupski, Mayor of Salt Lake City  
 Roy D. Buol, Mayor of Dubuque  
 Steve Benjamin, Mayor of Columbia  
 Chris Coleman, Mayor of Saint Paul  
 Trish Herrera Spencer, Mayor of Alameda  
 Kathy Sheehan, Mayor of Albany  
 Allison Silberberg, Mayor of Alexandria  
 Ed Pawlowski, Mayor of Allentown  
 Jeanne Sorg, Mayor of Ambler  
 Terence Roberts, Mayor of Anderson  
 Christopher Taylor, Mayor of Ann Arbor  
 Van W. Johnson, Mayor of Apalachicola  
 Susan Ornelas, Mayor of Arcata  
 Jeffrey Politis, Town Chair, Village of Arden  
 Jay Fisette, Chair, County Board of Arlington  
 Esther Manheimer, Mayor of Asheville  
 Steve Skadron, Mayor of Aspen  
 Hardie Davis, Jr., Mayor of Augusta  
 Steve Adler, Mayor of Austin  
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 Kevin Kamenetz, County Executive, Baltimore County (MD)  
 Billy Keyserling, Mayor of Beaufort  
 Denny Doyle, Mayor of Beaverton  
 Kelli Linville, Mayor of Bellingham  
 Jesse Arreguin, Mayor of Berkeley  
 Robert Donchez, Mayor of Bethlehem  
 John Hamilton, Mayor of Bloomington  
 Gayle Brill Mittler, Mayor of Highland Park  
 Suzanne Jones, Mayor of Boulder  
 Carson Taylor, Mayor of Bozeman  
 Eric Mamula, Mayor of Town of Breckenridge  
 Joseph P. Ganim, Mayor of Bridgeport  
 Lori Liu, Mayor of Brisbane  
 Brenda Hess, Mayor of Buchanan  
 Miro Weinberger, Mayor of Burlington  
 E. Denise Simmons, Mayor of Cambridge, MA  
 John Tecklenburg, Mayor of Charleston  
 Jennifer Roberts, Mayor of Charlotte  
 Mike Signer, Mayor of Charlottesville  
 Rahm Emanuel, Mayor of Chicago  
 Mary Casillas Salas, Mayor of Chula Vista  
 Mayor Cranley, Mayor of Cincinnati  
 Ted Terry, Mayor of Clarkston  
 Patrick Wojahn, Mayor of College Park  
 Brian Treece, Mayor of Columbia  
 Biff Traber, Mayor of Corvallis

Kevin Haroff, Mayor and City Council Member of Larkspur,  
 Marin County  
 Richard J. Kaplan, Mayor of Lauderhill  
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 Robert Garcia, Mayor of Long Beach  
 Dennis Coombs, Mayor of Longmont  
 Greg Fischer, Mayor of Louisville  
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 Barry Greenberg, Mayor of Maplewood  
 Kirsten Keith, Mayor of Menlo Park  
 Philip Levine, Mayor of Miami Beach  
 Tom Barrett, Mayor of Milwaukee  
 Mark Gamba, Mayor of Milwaukee  
 Betsy Hodges, Mayor of Minneapolis  
 Isiah (Ike) Leggett, County Executive of Montgomery  
 County  
 John Hollar, Mayor of Montpelier  
 Malinda Miles, Mayor of Mount Rainier  
 Richard Thomas, Mayor of Mount Vernon  
 Ken Rosenberg, Mayor of Mountain View  
 Deborah Kafoury, Chair, Multnomah County  
 Megan Barry, Mayor of Nashville  
 Jon Mitchell, Mayor of New Bedford  
 Toni Harp, Mayor of New Haven  
 Mitch Landrieu, Mayor of New Orleans  
 Noam Bramson, Mayor of New Rochelle  
 Setti Warren, Mayor of Newton  
 Paul A. Dyster, Mayor of Niagara Falls  
 David Narkewicz, Mayor of Northampton  
 Todd Ford, Executive Director of Hampshire Council of  
 Governments  
 Libby Schaaf, Mayor of Oakland  
 Ronnie Rimbart, Mayor of Oberlin  
 Buddy Dyer, Mayor of Orlando  
 Greg Scharff, Mayor of Palo Alto  
 Jack Thomas, Mayor of Park City  
 Jim Kenney, Mayor of Philadelphia  
 Greg Stanton, Mayor of Phoenix  
 Shirley Washington, Mayor of Pine Bluff  
 William Peduto, Mayor of Pittsburgh  
 Ted Wheeler, Mayor of Portland  
 Tom Hughes, President, Metro Council of Greater Portland  
 (OR)

Steve Bennett, Supervisor of County of Ventura  
Jeffrey Cooper, Mayor of Culver City  
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Michael S. Rawlings, Mayor of Dallas  
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Salvatore J. Panto, Jr., Mayor of Easton  
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Catherine Blakespear, Mayor of Encinitas  
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Mark Poloncarz, Erie County Executive  
Lucy Vinis, Mayor of Eugene  
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Ed Malloy, Mayor of Fairfield (IA)  
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Lioneld Jordan, Mayor of Fayetteville  
Wade Troxell, Mayor of Fort Collins  
Jack Seiler, Mayor of Fort Lauderdale  
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Jud Ashman, Mayor of Gaithersburg  
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Bryan Kennedy, Mayor of Glendale  
Rosalynn Bliss, Mayor of the City of Grand Rapids  
Steve Maas, Mayor of Grandville  
Sheila Morse, Selectboard Chair of Guilford  
Peter Swiderski, Mayor of Hastings-on-Hudson  
Shaun McCaffery, Mayor of Healdsburg  
Nancy Rotering, Mayor of Highland Park  
Dawn Zimmer, Mayor of Hoboken  
Joe Hogsett, Mayor of Indianapolis  
Jim Throgmorton, Mayor of Iowa City  
Svante Myrick, Mayor of Ithaca  
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Janelle Rettig, Chairperson, Johnson County Board of Supervisors (IA)  
Sly James, Mayor of Kansas City  
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Jorge O. Elorza, Mayor of Providence  
Hillary Schieve, Mayor of Reno  
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Tom Butt, Mayor of Richmond (CA)  
Lovely Warren, Mayor of Rochester  
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Darrell Steinberg, Mayor of Sacramento  
Kim Driscoll, Mayor of Salem  
Ed Lee, Mayor of San Francisco  
Sam Liccardo, Mayor of San Jose  
Pauline Cutter, Mayor of San Leandro  
Gary Phillips, Mayor of San Rafael  
Helene Schneider, Mayor of Santa Barbara  
Javier Gonzales, Mayor of Santa Fe  
Ted Winterer, Mayor of Santa Monica  
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Christopher Roberts, Mayor of Shoreline  
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Shirlee Zane, Chairwoman of Sonoma County, California Board of Supervisors  
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Lyda Krewson, Mayor of St. Louis  
Rick Kriseman, Mayor of St. Petersburg  
Glenn Hendricks, Mayor of Sunnyvale  
Daniel E. Dietch, Mayor of Surfside  
Timothy Kearney, Mayor of Swarthmore  
Stephanie A. Miner, Mayor of Syracuse  
Kate Stewart, Mayor of Takoma Park  
Darby Stricker, Mayor of Talent  
Andrew Gillum, Mayor of Tallahassee  
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Mark Mitchell, Mayor of Tempe  
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Nina Jonas, Mayor of Ketchum

Brian Stack, Mayor of Union City (NJ)  
 Shelley Welsch, Mayor of University City  
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 Joli McCathran, Mayor of Washington Grove  
 John Heilman, Mayor of West Hollywood  
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 Shawn Mauck, Mayor of West York Borough  
 Jim Marpe, First Selectman, Westport (CT)  
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 Debora Fudge, Mayor of the Town of Windsor  
 Allen Joines, Mayor of Winston-Salem  
 Mike Spano, Mayor of Yonkers

## STATES

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 State of Connecticut  
 State of Hawaii  
 State of New York  
 State of North Carolina

State of Oregon  
 State of Rhode Island  
 Commonwealth of Virginia  
 State of Washington

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 Bruce Leslie, Chancellor of Alamo Colleges  
 James Mullen, President of Allegheny College  
 Sylvia Burwell, President of American University  
 Carolyn Martin, President of Amherst College  
 Sara Wenger Shenk, President of Anabaptist Mennonite  
 Biblical Seminary  
 Thomas Manley, President of Antioch College (OH)  
 Melinda Treadwell, Provost of Antioch University New  
 England  
 Michael Crow, President of Arizona State University  
 Paul Pribbenow, President of Augsburg College  
 Marjorie Hass, President of Austin College  
 Leon Botstein, President of Bard College  
 Robert Goldberg, Interm President of Barnard College  
 Clayton Spencer, President of Bates College  
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 John Jasinski, President of Northwest Missouri State  
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 Peter Hsieh, President of Northwestern Polytechnic  
 University  
 Morton Schapiro, President of Northwestern University  
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 Jonathan Veitch, President of Occidental College  
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 Joseph Robertson, President of Oregon Health & Science  
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 Edward Ray, President of Oregon State University  
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Barbara Snyder, President of Case Western Reserve University  
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 Darron Collins, President of College of the Atlantic  
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 Katherine Bergeron, President of Connecticut College  
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 Maria Thompson, President of Coppin State University  
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 Stuart Baron, President of Delaware College of Art and Design  
 Jean Goodnow, President of Delta College  
 Adam Weinberg, President of Denison University  
 Neil Weissman, Acting President of Dickinson College  
 John Fry, President of Drexel University  
 Elsa Núñez, President of Eastern Connecticut State University  
 Mary Cullinan, President of Eastern Washington University  
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 Carl Strikwerda, President of Elizabethtown College  
 Lee Pelton, President of Emerson College  
 Janet Eisner, President of Emmanuel College  
 Jake Schrum, President of Emory & Henry College  
 John Nader, President of Farmingdale State College  
 Mark Rosenberg, President of Florida International University  
 Joseph McShane, President of Fordham University  
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 Daniel Porterfield, President of Franklin & Marshall College

Paul LeBlanc, President of Southern New Hampshire University  
 Linda Schott, President of Southern Oregon University  
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 Sarah Bolton, President of The College of Wooster  
 Steven Knapp, President of The George Washington University  
 David Van Zandt, President of The New School  
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Janet Napolitano, President of University of California  
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Ralph Hexter, Interim Chancellor of University of California, Davis  
Howard Gillman, Chancellor of University of California, Irvine  
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Kim Wilcox, Chancellor of University of California, Riverside  
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Sam Hawgood, Chancellor of University of California, San Francisco  
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George Blumenthal, Chancellor of University of California, Santa Cruz  
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Eric Spina, President of University of Dayton  
Dennis Assanis, President of University of Delaware  
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Helen Cox, Chancellor of University of Hawai'i Kaua'i Community College  
David Lassner, President of University of Hawai'i System  
J. Bruce Harreld, President of University of Iowa  
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Freeman Hrabowski III, President of University of Maryland Baltimore County  
Donald Boesch, President of University of Maryland Center for Environmental Science  
Wallace Loh, President of University of Maryland College Park  
Juliette Bell, President of University of Maryland Eastern Shore  
Javier Miyares, President of University of Maryland University College  
Martin Meehan, President of University of Massachusetts  
Kumble Subbaswamy, Chancellor of University of Massachusetts Amherst

Samuel Hoi, President of Maryland Institute College of Art  
Melody Rose, President of Marylhurst University  
Matthew Shank, President of Marymount University  
David Podell, President of Massachusetts Bay Community College  
David Nelson, President of Massachusetts College of Art and Design  
James Birge, President of Massachusetts College of Liberal Arts  
Lou Anna Simon, President of Michigan State University  
Laurie Patton, President of Middlebury College  
John Anderson, President of Millersville University of Pennsylvania  
Grey Dimenna, President of Monmouth University  
Susan Cole, President of Montclair State University  
Bryon Grigsby, President of Moravian College  
Sonya Stephens, Acting President of Mount Holyoke College  
H. James Williams, President of Mount St. Joseph University  
Debra Derr, President of Mt. Hood Community College  
John Williams, President of Muhlenberg College  
Charles Lief, President of Naropa University  
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Kent Devereaux, President of New Hampshire Institute of Art  
Sue Henderson, President of New Jersey City University  
Joel Bloom, President of New Jersey Institute of Technology  
Michael Young, President of New York Film Academy  
Andrew Hamilton, President of New York University  
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Patricia Gentile, President of North Shore Community College  
Mark Erickson, President of Northampton Community College  
J. Keith Motley, Chancellor of University of Massachusetts Boston  
Peyton Randolph Helm, Interim Chancellor of University of Massachusetts Dartmouth  
Jacqueline Moloney, Chancellor of University of Massachusetts Lowell  
Julio Frenk, President of University of Miami  
Michelle Behr, Chancellor of University of Minnesota-Morris  
Mark Huddleston, President of University of New Hampshire  
Steven Kaplan, President of University of New Haven  
Michael Schill, President of University of Oregon  
Isiaah Crawford, President of University of Puget Sound  
David Dooley, President of University of Rhode Island  
Ronald Crutcher, President of University of Richmond  
Ronald Crutcher, President of University of Richmond  
Julie Sullivan, President of University of Saint Thomas  
Paul Fitzgerald S.J., President of University of San Francisco  
Harris Pastides, President of University of South Carolina Columbia  
Ronald Mason, Jr., President of University of the District of Columbia  
Ana Mari Cauce, President of University of Washington  
Bernie Patterson, Chancellor of University of Wisconsin-Stevens Point  
Robert Caret, Chancellor of University System of Maryland  
Jonathan Chenette, President of Vassar College  
Thomas Greene, President of Vermont College of Fine Arts  
Marc Mihaly, President and Dean of Vermont Law School  
Peter Donohue, President of Villanova University  
Scott Miller, President of Virginia Wesleyan College  
Nathan Hatch, President of Wake Forest University  
Steven Solnick, President of Warren Wilson College  
Mark Wrighton, Chancellor of Washington University in St. Louis  
Paula Johnson, President of Wellesley College  
Jonathan Gibraltar, President of Wells College  
Michael Roth, President of Wesleyan University  
John Dunn, President of Western Michigan University  
Rex Fuller, President of Western Oregon University  
Lee Rasch, President of Western Technical College  
Sabah Randhawa, President of Western Washington University  
Dennis Hanno, President of Wheaton College (MA)  
Kathleen Murray, President of Whitman College

*This overview is provided to returning partners to help them organize their application content before starting the online application process.*

When you are ready to submit your application go to <http://civicspark.lgc.org/join-civicspark/project/> and click “apply now”

**Key to the overview content**

- Bold = header or question prompt
- Italics = guidance for specific sections or questions
- Bullet = needed content or response type

## **I. Organizational Information**

### **Organizational Details**

**City of Chico, Community Development Department**

411 Main Street, PO Box 3420, Chico, CA 95927

Community Development Director

530-879-6806

<http://www.ci.chico.ca.us/>

### **Contacts**

*Provide information for up to 3 contacts that will serve as Project Contact, Fellow Supervisor, and a Billing Contact – they can be the same people in multiple roles.*

**Director Level Contact**

Mark Wolfe

Community Development Director

530-879-6801

[mark.wolfe@chicoca.gov](mailto:mark.wolfe@chicoca.gov)

**Project Contact/Fellow Supervisor**

Brendan Vieg

Principal Planner

530-879-6806

[brendan.vieg@chicoca.gov](mailto:brendan.vieg@chicoca.gov)

**Billing Contact**

Kimberly Graciano

Account Tech II

530-879-7365

[kimberly.graciano@chicoca.gov](mailto:kimberly.graciano@chicoca.gov)

## **II. Project Description and Goals**

### **Project Details**

#### **Project Title (to be used on the CivicSpark website) \***

- Chico Climate Adaptation and Resiliency Initiative

#### **CivicSpark Project Description**

*CivicSpark focuses on building the capacity of local government — to collaborate across sectors and address pressing climate change or water management issues — through research, planning, and implementation projects.*

*Please provide a brief description (no more than 300 words) of your project, outlining the organizational background, the climate or water goals the project intends to address, and highlighting fellow's role in the project. The description should be as compelling and appealing as possible, to entice fellows applying for the program (your text will be used for the descriptions fellows see when applying).*

The City of Chico's 2020 Climate Action Plan (CAP) outlines strategies, organized within a flexible ten-year framework, for a significant reduction of greenhouse gas emissions that are directly and indirectly generated by local activities. The CAP identifies broad-ranging areas vulnerable to climate change, including impacts on agriculture, water resources, energy production, air quality, public infrastructure, sensitive species/habitats, public health and safety, and, as a result, multiple economic sectors. The CAP directs the development of a Climate Change Adaptation Plan to outline long-term strategies for mitigating anticipated local impacts of climate change.

Further, the City is aware of the need to update various City documents to comply with State sustainability legislation, including Climate Change Adaptation (SB 379, 2015) and 2030 GHG Emissions Target (SB 32, 2016). To meet the objectives outlined above, the City proposes to initiate updates to its General Plan Safety Element (2011) and Local Hazard Mitigation Plan (2014) to incorporate strategies for climate adaptation and resiliency. Work to be undertaken by the CivicSpark Fellow will support those updates, and all work product will be featured on the City's Sustainability website <http://chicosustainability.org/>

#### **CivicSpark Project Outcomes**

*Our goal for CivicSpark is to support local governments while fostering the next generation of climate and water professionals. What are the anticipated outcomes and/or desired deliverables from the fellow(s) service (as opposed to your proposed project as a whole)?*

*As above, provide a brief (no more than 300 words) description of outcomes, and try to make them as compelling as possible (your text will be used for the descriptions fellows see when applying). \**

The Fellow will work in a collaborative environment that will include interaction with City of Chico and Butte County staff, and geography students enrolled in CSU Chico's Fall 2017, GEOG 506 Community Service Practice in Geography class, taught by Dr. Mark Stemen (who is also the Chair of the City's Sustainability Task Force). The Fellow will act as a liaison to City

and County staff. Students in the GEOG 506 class will prepare a Draft Climate Change Vulnerability Assessment that identifies the risks climate change poses to the Chico community, the geographic areas at risk, including a set of adaptation and resilience goals, policies and objectives.

In partnership with the GEOG 506 students, the Fellow will develop a Draft Climate Change Preparedness Plan to address impacts of climate change on the City's economic and natural ecosystems and promote a climate resilient community.

The Fellow will be responsible for the following work:

In support of SB-32, researching the most effective GHG reduction measures and best practices used by jurisdictions in the State of California.

In support of SB-379, develop Draft Implementation Measures designed to carry out adaptation and resiliency goals, policies, and objectives, which will include avoiding or minimizing climate change impacts.

Sources for completing these tasks include:

- Internet based Cal-Adapt Tool
- Research of other communities efforts
- Chico 2030 General Plan Safety Element
- Collaboration with City Fire Department, Police Department, Public Works, and community stakeholders
- The California Adaptation Planning Guide
- Local agencies and special districts on the types of assets, resources, and populations that will be sensitive to various climate change exposures
- Historical data on natural events and hazards, including maps of areas subject to previous risk, areas that are vulnerable, and sites that have been repeatedly damaged

### **CivicSpark Fellow Desired Skills and Traits**

*In order to best identify the kind of fellow who will be most successful for your project please identify 2 traits or skills you would like your fellow(s) to have.*

*Desired Skills should be no more than 150 words. Please also consider that our primary demographic are recent college graduates, so we may not be able to accommodate a need for highly technical skills. As above, this will be used in the descriptions fellows see when applying. \**

The desired candidate should possess strong research abilities and writing skills and a working knowledge of sustainability practices and processes. The candidate should be comfortable in multi-tasking and setting work priorities and working in a collaborative environment as well as independently with minimal supervision. In support of this work, the candidate should have the ability to synthesize complex and sometimes unrelated information, and work creatively with City staff and CSU Chico students and instructors. As a liaison between the City, County, and

the CSU Chico class, the candidate should be adept at working with a variety of people in a professional and effective manner.

### **Focus and Desired Skills Dropdowns**

*For the next 4 questions, we ask you to pick from dropdown lists for your top two sector focus for the project, and your top 2 desired skills or abilities for fellows working on your project. Your selections on these items, help us to match more specifically with interests and skills provided by fellows on their applications.*

#### **Sector Focus 1: What is the primary focus of this project**

- Energy Efficiency / Renewable Energy
- Air Quality
- Alternative Transportation
- Public Health
- Waste Reduction / Composting
- Green Infrastructure
- Environmental Justice
- Greenhouse Gas Inventorying
- Climate Action Planning
- Climate Adaptation Planning
- Vulnerability Assessments
- Land-Use Planning/Management
- Local/Statewide Policy
- Water Conservation / Water Use Efficiency
- Water-Energy Nexus
- Water Supply Reliability
- Stormwater
- Groundwater
- Safe Drinking Water

#### **Sector Focus 2: What is the secondary focus of this project**

- Energy Efficiency / Renewable Energy
- Air Quality
- Alternative Transportation
- Public Health
- Waste Reduction / Composting
- Green Infrastructure
- Environmental Justice
- Greenhouse Gas Inventorying
- Climate Action Planning
- Climate Adaptation Planning
- Vulnerability Assessments
- Land-Use Planning/Management
- Local/Statewide Policy

- Water Conservation / Water Use Efficiency
- Water-Energy Nexus
- Water Supply Reliability
- Stormwater
- Groundwater
- Safe Drinking Water

**Project Skills 1: What are the primary skills or activities this project will require**

- Project Management
- Marketing/Communication
- Outreach/Community Engagement
- Education
- Research
- Technical Writing
- Facilitation
- Data Collection/Analysis
- Environmental Justice/Equity
- GIS/Mapping

**Project Skills 2: What are the secondary skills or activities this project will require**

- Project Management
- Marketing/Communication
- Outreach/Community Engagement
- Education
- Research
- Technical Writing
- Facilitation
- Data Collection/Analysis
- Environmental Justice/Equity
- GIS/Mapping

**Are you collaborating with any other organizations on this project? \***

- Yes / No

**CivicSpark Fellow Site Supervisor and Workspace Requirements**

*CivicSpark is committed to nurturing the next generation of sustainability leaders by providing a strong professional development experience for fellows. A critical part of that experience is placing fellows in an environment and under the guidance of a Site Supervisor who can help them learn, grow, and benefit from exposure to their organization and network.*

**Hosts may have local partners take a role in supervision, but as the host organization you are agreeing to identify one Site Supervisor for the fellow(s) during the 11-month service year. Site Supervisor responsibilities include: Conducting an initial and closing assessment**

**of the fellow's performance, supporting the creation of the fellow's professional goals, conducting weekly check-ins with fellows, overseeing their project work, and serving as a bridge to partners and your organization. \***

- **I agree**

**Will you have a suitable and dedicated workspace (desk, cubicle, shared office etc.) for your fellow(s)? \***

*Inability to provide suitable and dedicated workspace for your Fellow(s) may affect the project viability.*

- **Yes** / No (if no please explain working environment if not)

## **CivicSpark Climate Fellows - Cost and timing**

**Our organization is interested in hosting a fellow (or fellows) for the following duration: \***

*For additional details on costing and service information for each period refer to the "local government overview" page on our website.*

- **Half Fellow (\$13,000 for 650 project hours/member) - see below for timing options**
- Full Fellow (\$25,500 for 1300+ project hours/member)

**Number of Fellows requested for this project \***

*Note that total costs will be time period x number of members requested.*

**For the Half Fellow option, what is your desired start time and hours allocation?**

*Note availability of members for less than eleven month options is dependent on our ability to match with another project application in the same region who is also interested in a partial placement.*

- **Half time for 11 months Fall 2017 start**
- Full time for 6 months Fall 2017 start
- Full time for 6 months Spring 2018 start

## **III. Target Public Agencies for Fellow Services**

*This section asks for information about the target local public agencies for your project.*

- *If your organization is a public agency that a fellow will be supporting, respond with information about your own agency.*
- *If your organization is not a local public agency and/or the project is targeting a different public agency, provide information for that agency.*

*Note this information is required, and must be provided before the start of service.*

## **Eligibility and Exceptional Need Questions**



**Name of local public agency / agencies, or departments within a single agency receiving project support.**

*Note that the expectation is that you will identify at least 2 agencies or departments per fellow hosted. If multiple agencies are being targeted, we will need the following 6 questions answered separately for each. If multiple departments within a single agency are being served, the following 6 questions apply for all departments \**

City of Chico, Community Development Department  
City of Chico, Public Works Department

**Does this agency have a dedicated full-time sustainability staff?**

- Yes / **No**

**Has the governing body formally adopted a climate action plan or similar policy mechanism?**

- **Yes** / No

**Has the agency developed and is currently using specific mechanisms for tracking climate progress?**

*Tracking mechanisms will vary from community to community, but should be established systems and processes that allow the local government to 1) monitor implementation progress on all measures in the Climate Action Plan or similarly formal climate action policy 2) document GHG reduction results from implementation of each measure, and 3) update the inventory and revise targets and measures as needed to adjust to changing conditions. Tracking activities should be completed at least on an annual basis, and should include council/board level as well as department level reporting that allows for discussion of outcomes and formal discussion of any needed changes.*

- **Yes** / No

**Please provide annual data on a key community climate indicator (e.g. energy, water, waste) relevant to this project (e.g. community energy use) for the latest recorded year.**

Residential/Commercial Energy Use (2014)  
496,667,059

**Please provide numbers for the same key indicator climate (e.g. energy, water, waste) relevant to this project (e.g. community energy use) for the year prior to the one reported above.**

Residential/Commercial Energy Use (2015)  
488,471,699

**Units for the last 2 questions (e.g. kwh, therms, acre-feet etc.)**

kwh

## **IV. Fiscal and Contractual Understanding**

*AmeriCorps programs are funded by both the Corporation for National and Community Service and through participating local governments. CivicSpark or Water Corps support requires a fiscal contribution. Either public agencies or third parties can be the source for the fiscal contribution. This rate is all-inclusive (e.g. covers workers compensation, liability insurance, workplace costs, member personnel benefits, job travel support); and is only based on project work.*

*To proceed with services, LGC will require completion of a signed service agreement and a down payment of 10% of total project cost before the start of services. The remaining cost will be paid monthly throughout the term of service.*

**Please list known sources for the fiscal contribution. If sources are not yet known please indicate potential sources and expected timeframe for securing funding.\***

*Note if your organization is a nonprofit, we may ask for fiscal references or additional fiscal capacity information before contracting with you.*

Proposed FY2017/2018 capital project fund - General Plan Implementation

**Will any part of your fiscal contribution come from federal sources? If so, prior to the start of services, LGC will need confirmation that the federal agency providing funds approves of the use of funds for AmeriCorps services. \***

- Yes / **No**

**As a federally funded program, AmeriCorps programs are required to track service to participating public agencies (see here for more details). Please check below that you agree to provide necessary information and contacts as needed to comply with our program guidelines whether before or during the service year. \***

- I agree

**As a federally funded program, CivicSpark Fellows are prohibited from engaging in certain activities. Please review the list of prohibited activities. Once you have reviewed this list, please check below that you understand these prohibited activities and agree that Fellows will not engage in such activities during your project scope. \***

- I agree

**CivicSpark is committed to recruiting a strong and diverse cohort of fellows who can have a positive impact on the communities they serve. Part of our success in building a strong cohort is recruiting widely and locally. In support of this, we ask that all Project Partners regularly share information about the program and current fellowship openings through their local networks through online postings, sharing information at meetings, etc. Templates and flyers will be provided by LGC. Please check below that you agree to support fellow recruitment in your community. \***

- I agree

