

Agenda Sustainability Task Force

A Committee of the Chico City Council

Meeting of Thursday, December 8, 2016 – 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 OCTOBER 27, 2016 MEETING MINUTES

Draft 10/27/16 minutes attached.

3. <u>CHICO COMMUNITY CHALLENGE – DEVELOPMENT OF A COMPREHENSIVE COMMUNITY</u> OUTREACH AND EDUCATION PROGRAM (Principal Planner Vieg and CivicSpark Member

Goldstein) – This is the first brainstorming session to develop a community "challenge" that integrates similarly-themed public outreach and education components found in the Climate Action Plan. The goal is to develop a robust and memorable community challenge that fosters a positive and healthy change in peoples' behavior, informs the community about the benefits of reducing GHG emissions, and fosters a sense of involvement in and ownership of climate action. Possible deliverables include: program branding; identification and coordination of community partners; assessment and distribution of rebates and other opportunities; development of a unique message, or "challenge", delivered through a number of media formats; enhancements to the Sustainability Website; and, an active Facebook presence. *To aid the discussion, attached are summaries of similar efforts developed by other communities.*

- 4. <u>REPORTS & COMMUNICATIONS</u> 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.
- 5. <u>BUSINESS FROM THE FLOOR</u> 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.
- 6. <u>ADJOURNMENT</u> Next meeting scheduled for Thursday, January 12, 2016

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

Prepared:	12/01/16	Community Development Department
Posted:	12/01/16	421 Main Street, 2 nd Floor, Chico, CA 95928
Prior to:	5:30 pm	(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.

Sustainability Task Force Members:

William Loker Mark Stemen, Chair

ATTACHMENTS: 10/27/16 STF Meeting Minutes (Draft) Summaries of community challenges from other jurisdictions

CITY OF CHICO SUSTAINABILITY TASK FORCE MINUTES OF THE MEETING OF October 27, 2016

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

STF Members Present:	Mark Stemen, Chair Cheri Chastain Dave Donnan (arrived late) William Loker Mike Rubio, Vice Chair Lucas RossMerz (arrived late)
STF Members Absent:	None
Staff Members Present:	Brendan Vieg, Principal Planner Bryce Goldstein, CivicSpark
Guests Present:	Jon Clark, BCAG, Executive Director Angela Casler, Chico Chamber Sanja Cerni, GRID Alternatives Rebekah Casey, GRID Alterntives

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. <u>APPROVE JULY 28, 2016 MEETING MINUTES</u>

The 09/08/16 STF Meeting Minutes were approved 4-0.

3. INTRODUCTION OF NEW CIVICSPARK MEMBER BRYCE GOLDSTEIN

Principal Planner Vieg introduced CivicSpark Member Bryce Goldstein.

Ms. Goldstein provided a summary of the CivicSpark program, shared her background, and expressed her excitement to be in Chico.

The STF members introduced themselves.

4. <u>DISCUSSION REGARDING BCAG'S EFFORTS TO REDUCE GHG EMISSIONS AND</u> COLLABORATION ON IMPLEMENTATION OF CAP ACTIONS (BCAG)

Principal Planner Vieg introduced Jon Clark, BCAG's Executive Director.

Mr. Clark gave a presentation to the STF entitled *BCAG Greenhouse Gas Reduction Efforts* (see attached PPT presentation). The presentation focused on State requirements for developing Sustainable Communities Strategies, air quality conformity determinations, status of existing transit service, new transit service to Chico Airport, a PEV Readiness Study, inter-city commuter bus service between Chico and Sacramento, and the installation of solar panels at BCAG's new facility. Key STF discussion points included:

- Status of the City's efforts to install PEV infrastructure at City facilities and the Park and Ride Facility on SR32.
- The importance of outreach to stakeholders, including the Chico Chapter EV Group, when developing the PEV Readiness Study.
- Further discussion regarding implementation of bus service to the Chico Airport.
- Alternative and innovative forms of providing bus shuttle service being utilized in other communities (e.g., San Francisco).
- Further discussion regarding BCAG's mobile apps, including a new mobile app that will aid in route planning, and may allow riders to pay on-line.
- The status of BCAG moving to electric buses (perhaps in the next 5 years).
- Questions regarding whether BCAG's fuel consumption is reported to the State.
- Discussion of BCAG's role in coordinating with Butte County on its Climate Action Plan.

5. <u>SOLAR AFFORDABLE HOUSING PROGRAM (GRID Alternatives)</u>

Rebekah Casey and Sanja Cerni from GRID Alternatives provided an organization history, overview of its Low Income Homeowner Solar Program, and opportunities at the local level. Key STF discussion points included:

- How much money and effort will be spent in Chico.
- Opportunities for the STF to assist, including through the Sustainability Website and Facebook.
- Further discussion regarding qualifying areas and income levels.
- Opportunities to install solar on mobile homes.
- Discussion of difficulties transferring solar array at time of sale of a home.

5. <u>REPORTS & COMMUNICATIONS</u>

Principal Planner Vieg provided an update on the Residential Retrofit program that the STF coordinated closely with over two meetings with Building Official DePaola. Specifically, that the Ordinance will not move forward with the upcoming Building Code update, because the City Attorney has determined that in order to adopt energy standards that are more stringent than statewide standards, an accompanying study must be prepared that determines the proposed standards are cost-effective. This study must also be coordinated with the California Energy Commission. Staff hopes to move forward such a study and the Residential Retrofit Ordinance later in 2017.

The STF directed that its December 8th meeting being dedicated to development of the community outreach and education program associated with CivicSpark Member Bryce Goldstein's efforts. Principal Planner Vieg agreed to distribute to the STF the project description submitted to CivicSpark.

The STF directed that its first meeting in 2017 be dedicated to identifying 2017 priorities and election of officers.

6. <u>BUSINESS FROM THE FLOOR</u>

None.

7. <u>ADJOURNMENT</u>

There being no further business from the STF, the meeting adjourned at 7:30 pm to the meeting of **Thursday, December 8, 2016.**

Date Approved

Brendan Vieg, Principal Planner



BCAG GREENHOUSE GAS REDUCTION EFFORTS



BACKGROUND

- BCAG is the state designated Regional Transportation Planning Agency (RTPA) and federally designated Metropolitan Planning Organization (MPO) for Butte County
- Requirements of BCAG's state and federal transportation planning and programming responsibilities include:
 - Preparation of a Sustainable Communities Strategy (SCS) as part of the long-range Regional Transportation Plan (RTP)
 - Demonstrate Transportation Air Quality Conformity for each new Reginal Transportation Plan (RTP) and Federal Transportation Improvement Program (FTIP).

AIR QUALITY CONFORMITY DETERMINATION

- BCAG is required to prepare an Air Quality Conformity Determination for the Federal Transportation Improvement Program (FTIP) and the Regional Transportation Plan (RTP). These documents identify all federal and state funded transportation project to be constructed within the region over the next 20 years.
- The conformity determination demonstrates the following:
- BCAG's Plans and Programs "conform" to all applicable federal air quality standards;
- Federal and state supported highway and transit activities do not cause new air quality violations, worsen existing violations, or delay attainment of current standards.
- Based on emissions analysis, both the 2016 Regional Transportation Plan (RTP) & 2017 Federal Transportation Improvement Program (FTIP) have met the conformity requirements.

2016 SUSTAINABLE COMMUNITIES STRATEGY (SCS)

- SB 375 directs the California Air Resources Board to set regional targets for reducing greenhouse gas (GHG) emissions associated with passenger vehicles. It also requires that MPO's like BCAG include an SCS as part of their Regional Transportation Plans (RTP) to identify how GHG emission targets will be meet.
- The SCS demonstrates the integration of land use, housing, and transportation for the purpose of meeting passenger vehicle GHG emissions.
- BCAG's 2016 SCS continues to make further progress reducing GHG emissions as compared to the 2012 SCS.
- The 2016 SCS identifies a 7% reduction in GHG emissions by 2035, compared to the prior 2% reduction identified in the 2012 SCS. The increased reduction is due to the following:
 - Incorporation of the 2015 BCAG Transit & Nonmortized Plan which identifies a GHG reduction of .25%-.27% based on increased transit services and additional bike/pedestrian improvements within the region over the next 20 years;
 - A reduction in the future growth forecasts for the region which includes a decrease in population by 6%.

TRANSIT SERVICE

- B-Line provides 70,000 hours of service on twenty (20) fixed routes throughout the County and Cities seven days a week, and provides approximately 1.5 million rides per year.
- B-Lines ADA/Paratransit service provides over 48,000 hours annually of door-todoor ambulatory service within the cities of Oroville, Chico and the Town of Paradise. B-Line Paratransit/ADA service is provided to registered users seven days a week, and provides approximately 400,000 rides per year.
- B-Line operates a bus fleet of thirty-eight (38) fixed route buses and thirty (30) paratransit buses throughout the cities and county.
- B-line offers riders real-time bus arrival time with our B-Line Tracker app and also provides trip planning with Google Maps

Transit Benefits

- Average daily trips = 4,417
- Estimated GHG emission reductions from daily transit trips = 11.52 tons per day

NEW TRANSIT SERVICE TO CHICO AIRPORT

- Butte Regional Transit will begin providing daily fixed route transit service in January 2017 to the Chico Airport Business Park. This service is being provided as a three-year pilot program and is being funded through a grant BCAG received under the Low Carbon Transit Operations Program.
- The Low Carbon Transit Operations Program or LCTOP is one of several programs included as part of the Transit Affordable Housing and Sustainable Communities Program established by the California Legislature in 2014 by Senate Bill 862. The LCTOP was created to provide operating and capital assistance for transit agencies that seek to reduce greenhouse gas emission and improve mobility, with a priority on serving disadvantaged communities.
- The new service will provide six-daily round trips to the Business Park and Chico Transit Center between 6:30 a.m. and 5:50 p.m. The service is intended to give employees who work at the business park an alternative transportation choice to and from work.
- Anticipated benefits:
 - Estimated Annual Ridership = 25,600
 - Annual Vehicle Miles Traveld (VMT) reduced = 177,208
 - Total GHG emissions reduced = 11.18 MTC02e

PLUG-IN-ELECTRIC (PEV) READINESS PLAN

- BCAG will be coordinating the preparation of a PEV Readiness Plan with the cities and county during the 2016/17 & 2017/18 FY.
- The PEV Readiness Plan is intended to serve as a practical planning guidance to the region and local governments to meet new demands placed on them with regard to reliable Plug-In Electric Vehicle (PEV) charging infrastructure.
- The Plan will provide guidance, best-practices and preferred locations for PEV infrastructure in Butte County. In addition, this work effort will be integrated into BCAG's RTP/SCS identifying short, medium, and long-term planning necessary in the region's efforts addressing greenhouse gas (GHG) emissions.
- Developing a PEV Readiness Plan is critical to ensure that Butte County is ready to accommodate the anticipated future demand for PEV use, and enable the region and the local jurisdictions to be eligible for federal and state grant funding opportunities for certain capital infrastructure development.

INTER-CITY COMMUTER BUS SERVICE BETWEEN CHICO & SACRAMENTO ???

- BCAG completed an Inter-City Commuter Bus Feasibility Study in 2014 to look at a daily commuter bus service between Butte County and Sacramento.
- The study estimated that there is a daily commuter service demand of 126 oneway passenger trips between Butte County and Sacramento, 54 of which originate from the City of Chico.
- A proposed service would run two AM daily commuter buses staring from Chico through Oroville, Marysville to Sacramento, then two PM runs back to Chico.
- The study estimated that the farebox recovery for operating costs would be 40%. (Current urban transit service has a 20% recovery ratio, rural has 10%)
- ▶ The total cost for a 3-year pilot program was estimated to be \$2 million.
- Developing a PEV Readiness Plan is critical to ensure that Butte County is ready to accommodate the anticipated future demand for PEV use, and enable the region and the local jurisdictions to be eligible for federal and state grant funding opportunities for certain capital infrastructure development.

QUESTIONS & COMMENTS

Sustainability Challenge:

Drawing Ideas from Other Cities

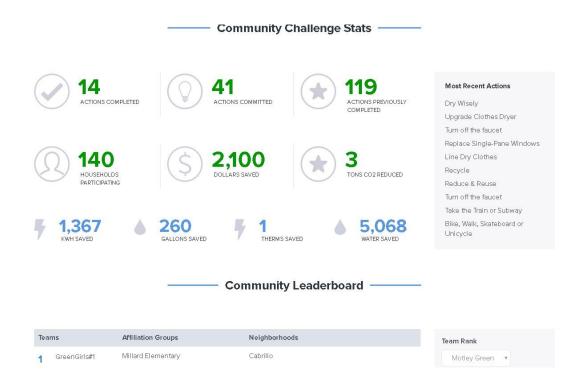
Fremont Challenge



Take Action To Make a Difference.

Choose an action from the list below and take action to lower your impact.

Grid List	Renter Friendly	Choose a Category:	Energy Efficiency	T Choose a	a Level: View All •
Be Heat Wise >		Switch to CFLs or LEDs >		Install Smart Powe	er Strips >
Let the sun shine in and save		A few light bulbs = big savings		Take out vampire loa	ads (no garlic required)
		• • • • Easy		●OO Easy	
20 pts. 250 savings/yr.	\$0 - \$0 upfront	110 pts. 60 savings/yr.	\$3 - \$10 upfront	150 pts. 50 saving	s/yr. \$20 - \$100 upfront



https://www.fremontgreenchallenge.org/about/how-it-works

http://www.goco2free.org/

Fremont has very similar CAP goals to Chico, and has also reduced by 11% already. They use a platform called GO CO2 Free for their site. It is very comprehensive and attractive. The following information is copied and pasted from their website.

Points: One point = 1 lb CO2 reduced/year for all actions that have CO2 reductions. One point = 10 gallons of water reduced for water actions. (There are also a few bonus points for some important actions like choosing green electricity).

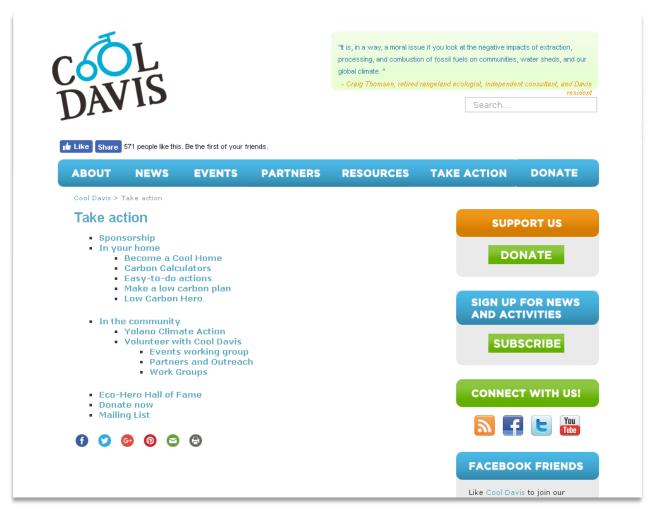
Join a Team: Join a team or start a new team and work together in a group of up to 10 households. It's fun and a great way to get to know your neighbors! Share ideas and resources and help each other meet goals. Chat online or get together and celebrate! Be the top team and be eligible for prizes or awards.

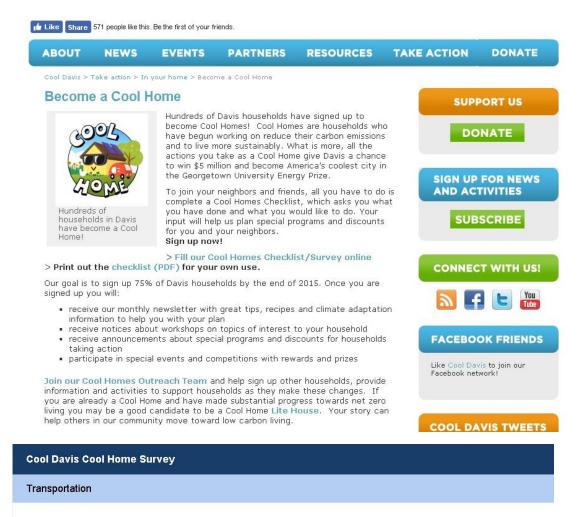
Join an Affiliation Group: Tag your household's points to your children's school, your church or other community organization. Help make your group #1!

Share – Brag a bit about your success and inspire others to action! Submit a Success Story and share how you achieved success with an action. Post to Facebook, Twitter, Google+ or Pinterest when you complete an action.

Cool Davis

Cool Davis is an active network of residents, community organizations, businesses and community institutions committed to implementing the City of Davis's Climate Action and Adaptation Plan. Cool Davis was created to support the Davis Climate Action and Adaptation Plan. They also hosted a CivicSpark fellow last year.





Transportation activities contribute about 35% of the greenhouse gas emissions for the average Davis household and they can be quite expensive as well. Conservation here has big payoffs.

1. How do you travel to activities around town, e.g. to work, school, shopping, etc.? (Note: N/A = not applicable)

	never/rarely	sometimes	usually/always	N/A
Walk	0	0	0	0
Bike	0	0	0	0
Ride the bus	\bigcirc	0	0	0
Board, skate or Segway	0	0	0	0
Carpool	0	\bigcirc	0	0
Car share (e.g. ZIP car)	0	0	0	0
Motorcycle/ scooter	0	0	0	0
Drive car, truck	0	0	0	0
Other (please specify)	N			

2. How do you travel to activities outside of town, e.g. to work, school, to malls, etc.? (Note: N/A = not applicable)

	never/rarely	sometimes	usually/always	N/A
Bike	0	0	0	\bigcirc

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ABOUT NEWS EVENTS PARTNERS RESOURCES TAKE ACTION DONATE

Cool Davis > Low Carbon Hero > Cool Davis Awards: photos of Davis' 2015 eco-heroes

Cool Davis Awards: photos of Davis' 2015 eco-heroes

On Earth Day, April 22, Cool Davis was very proud to honor members of our community for their efforts to reduce our city's emissions and to model a low carbon green liveable future. Here are some photos of the awardees and the ceremony held in the US Bicycling Hall of Fame.



Mayor Dan Wolk presents Hailey Shapiro with a Cool Davis Climate Solution award to honor the Holmes Green Team for its pro-active efforts to significantly reduce waste on the Holmes campus. Hailey was

recognized as an outstanding team volunteer and teachers, Keri Hawkins and Martha Quenon were honored for their leadership. Additional Green Team members Mengxuan Zhany, Louisa Chan, and JuHye Mun joined the stage party.



Mayor Dan Wolk congratulates Davis High School junior, Kaiyue "David" Wang. Cool Davis honored Kiayue for his development of a solar energy model, simulates solar irradiance received by solar panels installed on roofs, and allows users to learn the optimal tilt angle for solar panels, wherever they are on earth, by typing in the local latitude.

RELATED POSTS

Climate Solutions Award: UC Davis Aggie Reuse Store

Mike Hart, Eco-Hero

Parvaneh Keivanfar and Alex Gray Share Eco-Hero Award

Climate Solutions Award:

Mutual Housing Yolo Eco-Hero: Lisa Baker



Vermontivate!

Vermontivate! is an online climate and sustainability game designed to bring fun and creativity to the serious work of tackling climate change. It's focused on Vermont obviously, but open to anybody. While the game is running, players can win coupons for free pints of ice cream and gift certificates to a wide range of stores across the state. At the end of the game, the winning teams will get trophies, as well as \$1000 towards achieving sustainability project goals.

http://vermontivate.com/



Boston



CoolCalifornia Challenge

The CoolCalifornia Challenge is a carbon footprint reduction competition within and between communities. The fun and engaging program provides information, resources and rewards to individuals, groups of individuals and communities that achieve carbon footprint reductions and other milestones. The challenge embodies a unique partnership between California State agencies, academia, local governments, community-based organizations and local business.

Davis participated in the CoolCalifornia challenge. I assume the challenge will happen again in 2017, but no registration info is available yet.

www.coolcalifornia.org

