



# LWVC NorCal Climate Change Forum



LWVC Climate Change Task Force



Welcome, agenda, meet the Steering Team  
Around the Room  
Overview of Task Force  
LUNCH  
Case Studies  
Break-out Groups  
Wrap-up





# CCTF Steering Team

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**Diz Swift** – CCTF Chair, Natural Resources Director

**Gloria Chun Hoo** – Board Liaison, LWVC 2nd VP

**April Oquenda** – CC Leg Analyst, Nat. Res. Deputy Director

**Stephanie Liu** – Chair, Transportation Team

**Mary O’Kicki** – Chair, Food, Soils and Agriculture Team

**Dan Zalles** – Chair Education and Wildfire Teams





# Around the Room

Alameda  
Berkeley-Albany-Emeryville  
Davis Area  
Diablo Valley  
Eden Area  
El Dorado Hills  
Fresno  
Marin County  
Mendocino County  
Napa County

Palo Alto  
Placer County  
Sacramento  
San Francisco  
San Joaquin County  
San Jose/Santa Clara  
Sonoma County  
SW Santa Clara Valley  
Western Nevada County





# Task Force Overview



LWVC Climate Change Task Force



League positions on climate change

Price on Carbon

Green New Deal

CCTF – Who We Are and What We Do



LWVC Climate Change Task Force



# LWVUS on Climate

Promote an environment beneficial to life through the protection and wise management of natural resources in the public interest.

**Natural Resources:** Promote the management of natural resources as interrelated parts of life-supporting ecosystems.

**Resource Management:** Promote resource conservation, stewardship and long-range planning, with the responsibility for managing natural resources shared by all levels of government.

**Environmental Protection and Pollution Control:** Preserve the physical, chemical and biological integrity of the ecosystem, with maximum protection of public health and the environment.





# LWVC on Climate

The League of Women Voters of California supports actions to mitigate and adapt to climate change in order to protect our state from the negative physical, economic, and public health effects. Our actions are to:

- a. Promote **energy conservation and efficiency** in transportation, buildings, and infrastructure, including energy efficiency standards and land use policies that reduce vehicle miles travelled.
- b. Promote **carbon pricing** by market mechanisms such as cap and trade systems and carbon taxes.
- c. Promote a clean, **low-carbon energy economy** that is sustainable, including all forms of renewable energy and transportation infrastructure.
- d. Promote policies that **mitigate impacts** of climate change by adaptation in urban, rural, agricultural, and natural settings.
- e. Promote basic **research** and technology development, encouraging the use of a portfolio of technologies.
- f. Promote solutions that **ease consequences** of climate-related hardships to low and moderate income households.
- g. Promote **public access** and involvement in the decision-making process.







# Carbon Pricing





# How Do You Price Carbon?

*Price on Carbon*

## *Carbon Pricing Elements*

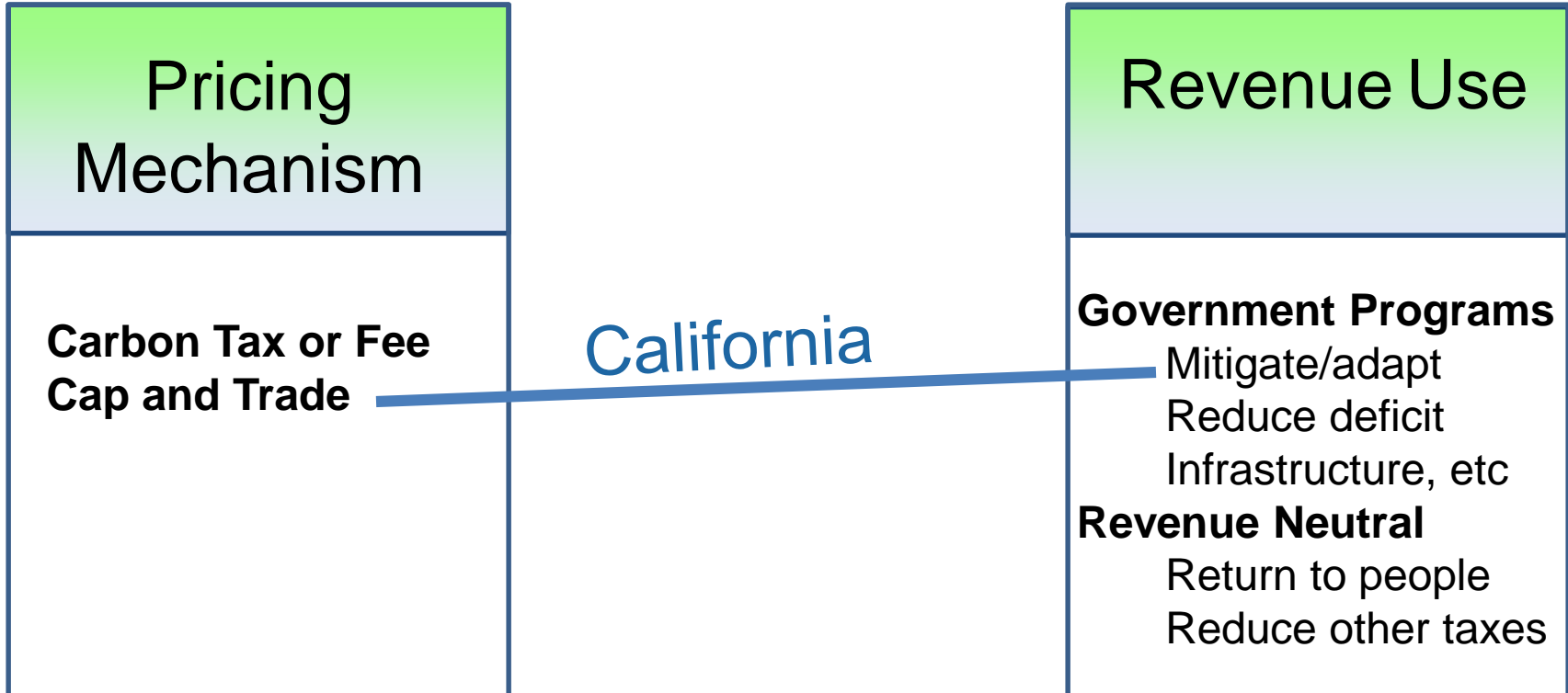
| Pricing Mechanism                                | Emissions Included  | Revenue Use   |
|--|---|---|
| <b>Carbon Tax or Fee</b><br><b>Cap and Trade</b> | <b>Electricity generation</b><br><b>Transportation</b><br><b>Industrial</b><br><b>Buildings</b> | <b>Government Programs</b><br>Mitigate/adapt<br>Reduce deficit<br>Infrastructure, etc<br><b>Revenue Neutral</b><br>Return to people<br>Reduce other taxes |



# How Do You Price Carbon?

Price on Carbon

## Carbon Pricing Elements

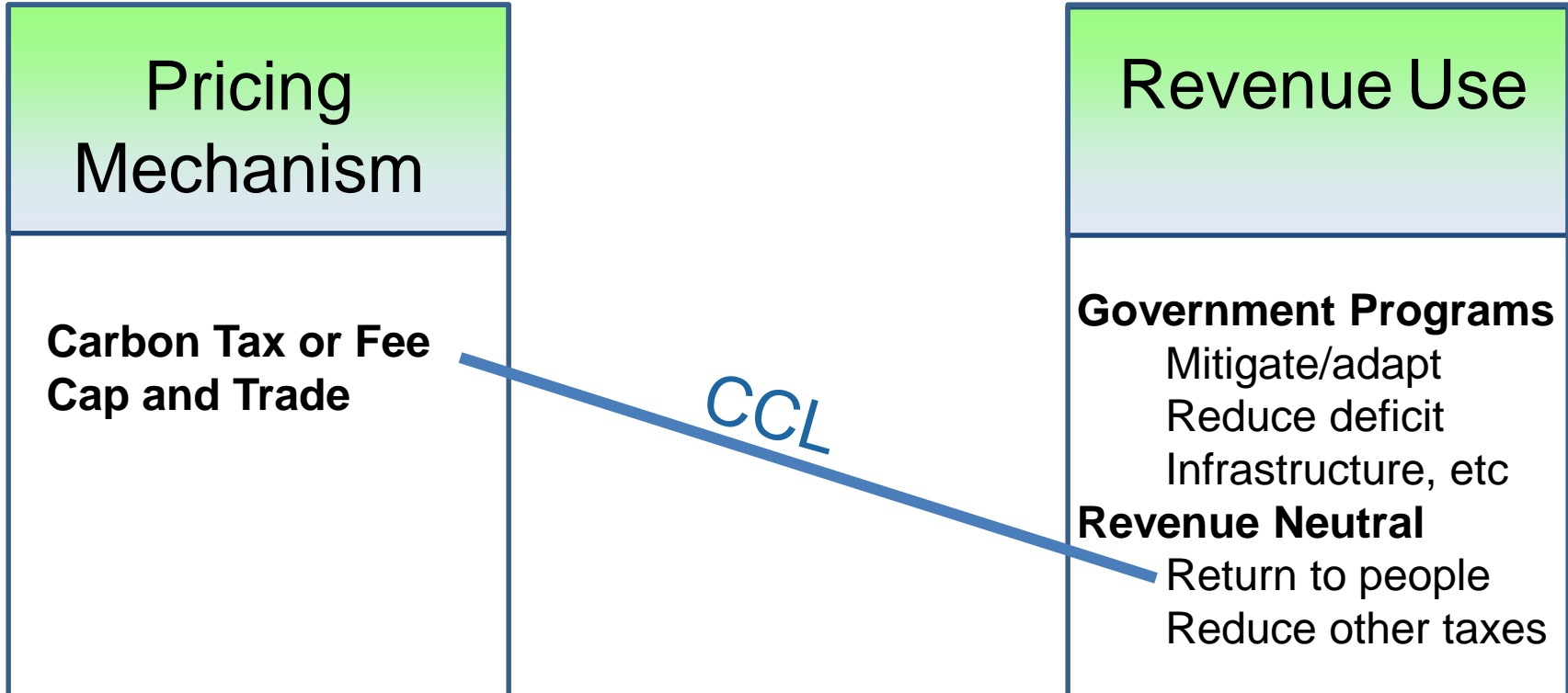




# How Do You Price Carbon?

Price on Carbon

## Carbon Pricing Elements





*Price on Carbon*

# Carbon Pricing Position

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The League of Women Voters stands united with, and in support of, efforts to price carbon emissions, whether **cap-and-trade, carbon tax/fee**, or another viable pricing mechanism. The League does **not have a position on** how the **revenue** generated is to be used.



# Green New Deal



LWVC Climate Change Task Force

# Green New Deal

## Rep. Ocasio-Cortez and Senator Markey Version

Make a “moon-shot”-level effort to transition rapidly to a carbon-free economy and fight climate change

### *Three parts*

**Form Select Committee on the Climate Change Crisis** (Bipartisan)

#### **“Goals of the Transition”**

- “Green” technology, e.g. 100% renewable power, “smart” grid, energy efficiency, drawdown
- Changing infrastructure, e.g. local-scale agriculture, improving transportation, water, and other infrastructure

#### **“Economic security available to everyone”**

- Jobs, economic stimulus, guaranteed basic income, public banks



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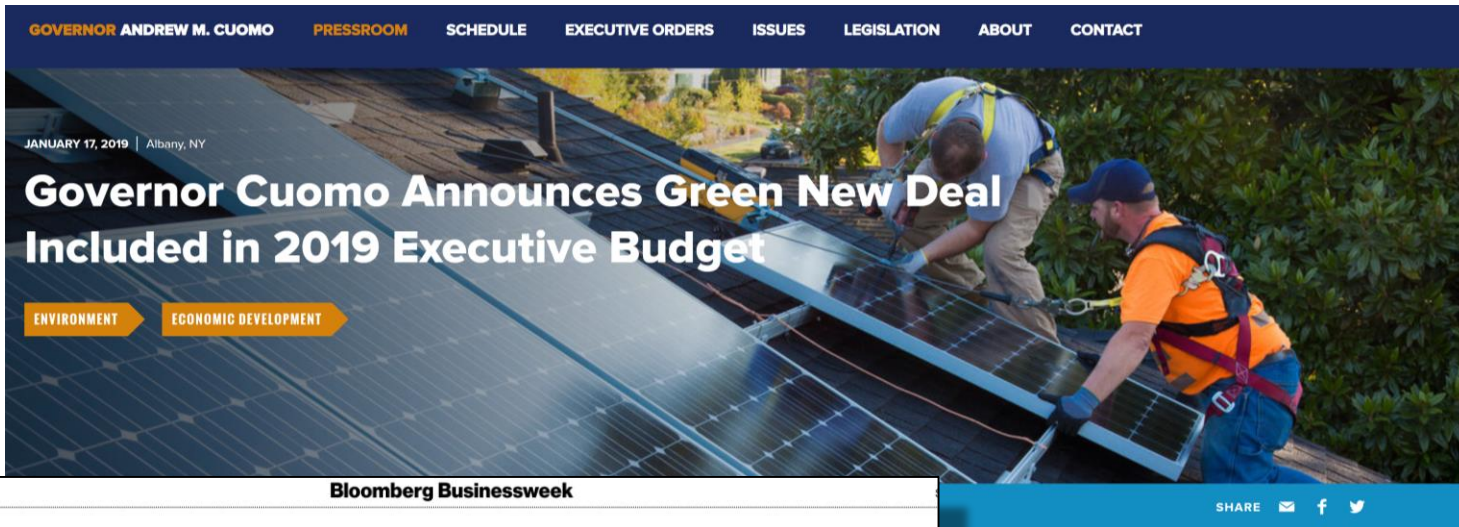
- Jobs, economic stimulus, guaranteed basic income, public banks



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# There's More than One "Green New Deal"



arch **Bloomberg Businessweek**

February 14, 2019, 1:00 AM PST

Climate Changed

## Wall Street Is More Than Willing to Fund the Green New Deal

- Investing in the environment is already a \$12 trillion market. Now markets are just looking for guidance from Congress.

By Katia Dmitrieva and Emily Chasan

**E&E NEWS**  
POLICY & ETHICS

## A "Green New Deal" Is Already Taking Shape at the State Level

Several states are working to decarbonize their electric sectors with options from solar power to nuclear energy

By Benjamin Storrow, E&E News on February 12, 2019



# GND in California



## AB 32 2006 – California Global Warming Solutions Act

- Reduce emissions – GHG 80% below 1990 by 2050, 100% zero carbon electricity by 2045
- Sustainable communities – green buildings
- Natural and working lands, agriculture
- Transportation, land use, housing
- Cap and trade





# Climate Change Task Force



LWVC Climate Change Task Force



# Climate Change Task Force

- 242 LWVC members
- 59 of California's 62 Leagues working at some level
- Many Leagues are very active





## Climate Change

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Heat records are being broken, glaciers are melting, and the seas are rising. We have reached a point where no matter what we do, we cannot avoid a very different climate future. We must act now to prevent truly catastrophic consequences. But what can we do? The most powerful action is our knowledgeable vote.

Learn more about LWV California's and the National League's position and research on this issue.

**State Position**  
**CLIMATE CHANGE**

### NEWS!

#### Leagues Across the U.S. Declare Climate Emergency

Our California LWV passed a resolution unanimously at our June, 2019 Convention to declare a climate emergency. Similar Climate Emergency Declarations also passed at state League Conventions in Oregon, Florida, Massachusetts, Illinois, and Colorado. It's time for all hands on deck!

LWVC Declaration: "We as delegates of California local Leagues assembled at the 2019 LWVC Convention call upon the LWVC Board, Action Committee and local Leagues to advocate for 'Climate Emergency Declarations' and urgent relevant action by state, county, and local governments."

#### Berkeley Limits Natural Gas

### CURRENT STATEWIDE ELECTION

March 3, 2020  
Presidential Primary  
Election

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### ADDITIONAL RESOURCES

[CAVotes.org \(Education Fund\)](#)

[EasyVoterGuide.org](#)

[VotersEdge.org/CA](#)

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# Legislation

## Climate Change Legislation

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California continues its march to reduce greenhouse gas emissions. Each state legislative session brings several climate-related bills. Legislative sessions are two years in length, but each year, bills must be introduced or re-introduced (two-year bills).

### 2019 League Actions

**SUPPORT:** [AB 1080](#) (Gonzalez, Friedman, and Ting) and [SB 54](#) (Allen) - "California Circular Economy and Plastic Pollution Reduction Act" These two companion bills require that plastic single-use packaging and products sold or distributed in California be reduced or recycled by 75 percent by 2030.

### BILLS WE ARE FOLLOWING FOR POSSIBLE SUPPORT:

[AB 293](#) (Garcia, Eduardo) "Greenhouse gases: offset protocols" Follow up on Offsets Task Force put in place by AB 398 to more clearly define offsets for enhanced agriculture, wetlands, and natural and working lands; allows consolidation of small operations. Fills gap left by earlier-enacted cap and trade policies not applied to these environments to lower GHGs.

[AB 975](#) (Calderon) "California Adaptation Leadership and Coordination Act of 2019" Sets up coordination at the level of governments to promote and support California goals and policies regarding oceans, coasts and terrestrial adaptation to climate change. It would leverage best practices, infrastructure, institutions and research.

### BILLS WE ARE FOLLOWING:

[AB 56](#) (Garcia, Eduardo) "Statewide central electricity procurement entity" Requires the PUC and the CEC to study and provide to the Legislature by March 2020 a joint assessment of options for establishing a central statewide entity to procure electricity for all

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# How to take action

## Climate Change Task Force

Share:

The Task Force has support for you. Would you like to have a discussion group or form a team on climate change? Host or co-host an event? Educate your members or the public? Learn what other Leagues are doing? Let us help! Contact us today at [climatechange@lwvc.org!](mailto:climatechange@lwvc.org)

### Take Action Locally

**Schedule a Local Event:** The Climate Change Task Force will help you set up an event or presentation on climate change. The Task Force can help with contacts to other organizations, to find speakers, and to organize the event. Here are some options:

- ★ A regional presentation joint with other local leagues,
- ★ A panel discussion with many points of view and/or with several organizations,
- ★ A local talk focused on a topic of local interest (e.g. sea level rise in Humboldt, agricultural changes in the Central Valley, forest effects in the foothills).

**Form a Discussion Group or Team on Climate Change:** A discussion group can be the beginning of a Climate Change Team. Examples of topics:

- ★ A [series of short talks](#) by Lawrence Berkeley National Lab scientists to view separately and then discuss
- ★ Review possible [climate solutions](#) from [Drawdown](#) by Paul Hawken
- ★ Current legislation, city or county council issues and actions on climate change
- ★ Review of [local actions](#) on climate change proposed by the California Air Resources Board and choose among them for your local focus
- ★ Review of [local actions](#) on climate change proposed by the California Air Resources Board and choose among them for your local focus

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# Learn about others' actions

## What California Leagues Are Doing

Local Leagues across California are working on a wide variety of issues related to climate change. Counties where most action is happening are mostly coastal, but activity is increasing farther inland.

**Municipal Areas** are working on **Smart Growth** including:

- ★ **Municipal Climate Action Plans:** participating in development of plans and monitoring to see that results are reached.
- ★ **Green Infrastructure:** Supporting use of natural systems in urban settings.
- ★ **Energy Efficiency:** Helping to move urban communities to be efficient, resilient and sustainable in a zero-carbon economy.
- ★ **Community Choice Aggregation (CCA):** Supporting 100% renewable electricity via CCAs where appropriate,
- ★ **Building Electrification:** Advocating to move away from natural gas to all electric in buildings
- ★ **Transportation:** Evaluating the role of mass transit, electric and autonomous vehicles, and land use.

**Coastal Communities** are working on **Sea-Level Rise**, including impacts on coastal communities, and need for new zoning.

**More Rural Areas** are working on carbon storage in natural systems, including **Healthy Soils** and **Forests**, and on **Wildfires**.

**Climate Change Education** is happening across the state, with Leagues hosting climate events, partnering with others, holding workshops and forums, speaking out at government meetings, and a host of other education opportunities.



Find a Local League



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### ADDITIONAL RESOURCES

[CAvotes.org](http://CAvotes.org) (Education Fund)

[EasyVoterGuide.org](http://EasyVoterGuide.org)

[VotersEdge.org/CA](http://VotersEdge.org/CA)

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# Learn about topics

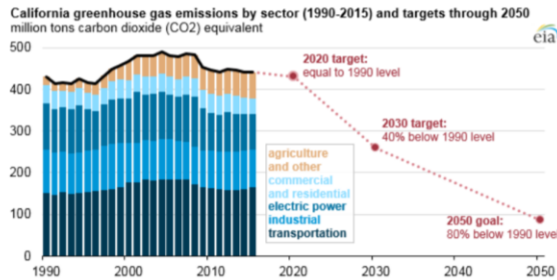
## Building Electrification

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### The Issue

SB 100, which passed in 2018 (with strong support from LWVC), requires 100% of California's electric sources be zero carbon by 2045. Therefore, by 2045, if we convert to all electric for our energy needs, we will effectively reduce energy emissions to zero. But we have a long way to go. Most transportation is still fueled by gasoline and diesel, and buildings use natural gas as well as electricity. We need to change those to electric.



### What We Can Do

Education is needed on what is involved in electrifying your home or buildings, e.g. possibility of needing service upgrades and education on alternative methods of heating (like heat pumps). Also useful are, comparison of electric vehicles or transportation alternatives, and lobbying municipal, county and regional governments on the need.

### Who's Working on It

The League of Berkeley-Albany-Emeryville has been working on promoting building efficiency for years and is now specifically educating on how to move to an all-electric community. Other Leagues working to reach net-zero energy, working on building efficiency and sustainability are the Leagues of Claremont, Santa Barbara, Pasadena, and Santa Monica.

### RESOURCES

- ★ [Building Decarbonization](#)
- ★ [Brochure on Electrification from LWV Berkeley-Albany Emeryville](#) (email [climatechange@lwc.org](mailto:climatechange@lwc.org) if you want the editable version)

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# Webinars

**Climate Change Education** is happening across the state, with Leagues hosting climate events, partnering with others, holding workshops and forums, speaking out at government meetings, and a host of other education opportunities.

## Recently Past Recorded Events

Recordings, slides, and handouts are available at the links provided below.

- ★ It's Happening. It's Now: The Climate Reports of 2018 [link](#)
- ★ Effective Action in Advocating for Price on Carbon [link](#)
- ★ You Can Make a Difference! Five Simple Actions to Reduce Emissions [link](#)
- ★ Soil Health for Carbon Sequestration in the Face of Climate Change [link](#)
- ★ California Cap and Trade - An Introduction [link](#)
- ★ Utility Users Tax, or How to Bring Carbon Pricing to Your City [link](#)
- ★ Food Production and Greenhouse Gases: Counting Carb Emissions [link](#)
- ★ Beyond Fossil Fuels: Taking Action See recording of the panel discussion and Q&A in [Part 1](#) and [Part 2](#).

For more webinars on climate change see the [LWV-Massachusetts Climate and Energy Solutions Series](#).





# Resources

## Resources

- ★ **Drawdown**: 100 solutions to reduce global warming
- ★ **Natural and Working Lands**
- ★ California Air Resources Board **Economic Sectors Portal**
- ★ **Energy Policy Design**
- ★ **The Diet that Helps Fight Climate Change** video from the UC Climate Neutrality Project
- ★ **Clean Energy Progress**: Use this interactive map to see investment and number of jobs and projects for solar, wind, and energy efficiency by state and congressional district.
- ★ **Digital Environmental Legislative Handbook**: Use this compilation of legislation passed by all states. California is clearly leading.
- ★ **100 Resilient Cities**: Information on how cities around the world become more resilient to the physical, social, and economic challenges that are a growing part of the 21st century. California member cities are Berkeley, Los Angeles, Oakland, and San Francisco.





# Stay Connected!

## CCTF Google Group

## Check out events

### Related Content

#### ACTION ALERT



**ACT NOW TO COMBAT THE PLASTIC WASTE CRISIS!!**

Demand your Legislator vote YES on SB 54 & AB 1080

[Read more](#)

#### PUBLIC STATEMENT



**LEAGUE OF WOMEN VOTERS OF CALIFORNIA STANDS WITH YOUTH TO FIGHT CLIMATE EMERGENCY**

August 20, 2019

Join the International Climate Strike on September 20

[Read more »](#)



**NORCAL LWVC CLIMATE CHANGE FORUM**

**Event Date:**

September 14, 2019 - 11:00 am

[Add to Calendar](#)

**Join us for the NorCal Climate Change Forum!**

**Saturday, September 14, 11:00a - 3:00p, CSU Sacramento**

Local Leagues connected to this event:

[Sacramento County](#)

[Event details](#)





# Follow us on Facebook

A screenshot of the Facebook page for the "League of Women Voters of California Climate Change Task Force". The page header shows the name, a search bar, and navigation options like "Home", "Create", and "Notifications". The main content area features a post from "April 1" with the text "Please join us in SoCal!". Below the text is a large promotional image for the "SoCal Climate Change Forum" at "All Saints Church, Sweetland Hall, 132 N. Euclid Ave, Pasadena, CA 91101". The event is scheduled for "Saturday, June 22, 2019, 11:00am - 3:00pm" with doors opening at 10:30. The image shows a landscape with a green tree on the left and a bare tree on the right against a sunset sky. Below the image is a list of bullet points: "Meet League members from Santa Barbara to San Diego", "Learn what other Leagues are doing", "Learn about state legislation", and "Learn how you can collaborate". At the bottom of the post, it says "All League of Women Voters members welcome! Free parking. Lunch available for a small charge. Please RSVP to climatechange@lwwc.org". The right sidebar contains sections for "Community" (20 likes, 20 followers), "About" (Send Message, Add Website, Community Organization, Suggest Edits), and "Page Transparency" (Page created - January 18, 2019). A language selector at the bottom right shows "English (US)" selected.



LWVC Climate Change Task Force



# Statewide Teams

## Existing

- Building Electrification
- Food, Soils, and Agriculture
- Transportation
- Smart Growth
- Wildfires

## Forming

- Sea Level Rise

