



San Diego Climate Change Forum



LWVC Climate Change Task Force

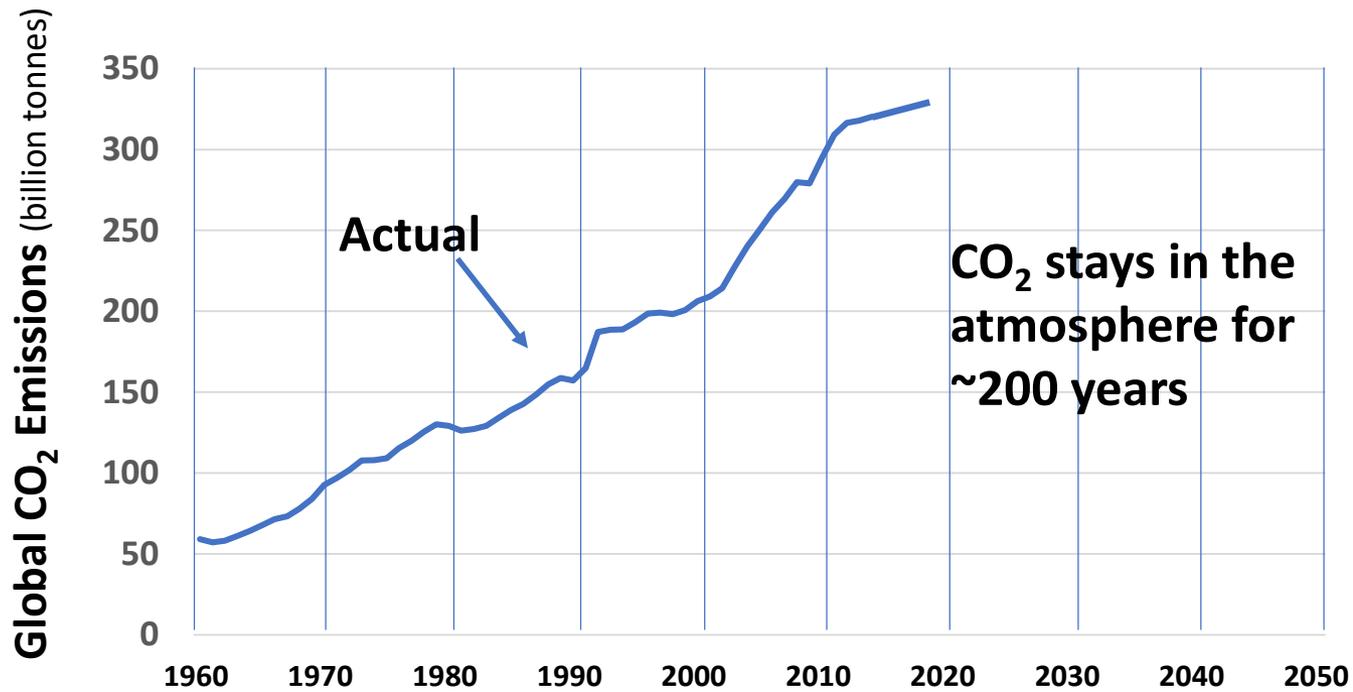


Climate Emergency

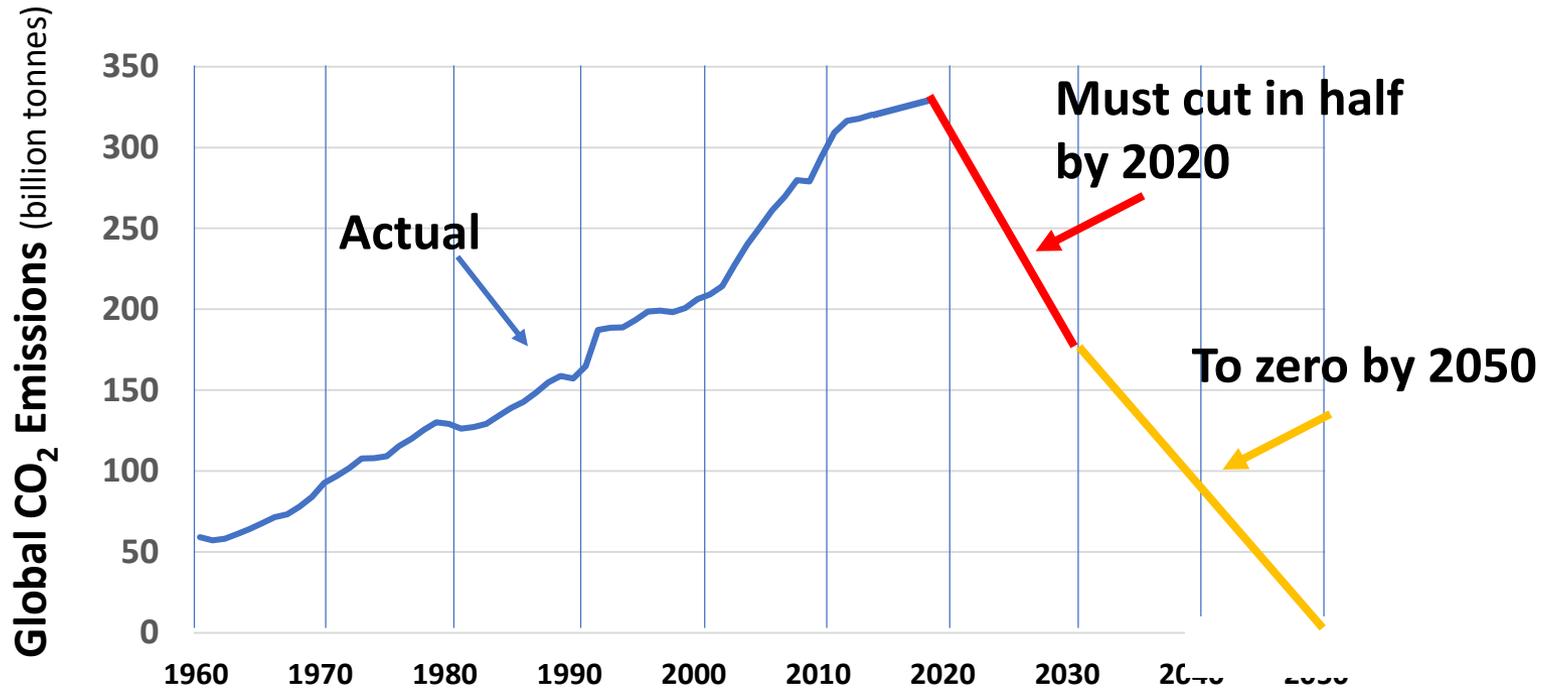
- LWVC declared climate emergency at 2019 Convention
- IPCC: to stay at 1.5°C or below we must **halve** emissions by 2030, go to **zero** by 2050



Global Emissions



Global Emissions

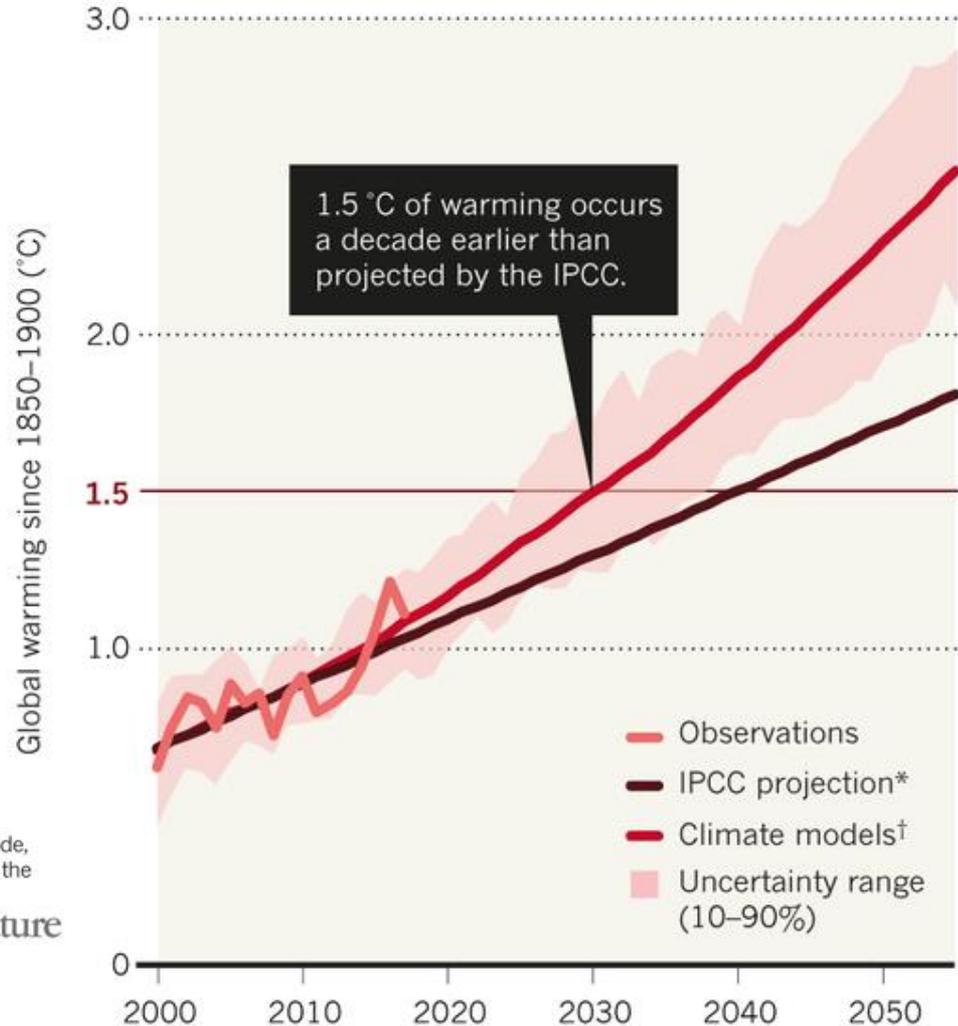




We're on trend for nearly 2.5°C warming by 2050

*Trend for 2001–15 extended with a constant rate of 0.2 °C per decade, as per IPCC special report. †Ten-year average, 37 climate models for the RCP8.5 scenario (IPCC Fifth Assessment, 2014).

©nature





“Houston,
We have a problem...”



LWVC Climate Change Task Force



Don't Despair

- There are hundreds of things we can do to solve this.
- And with more than 7 billion creative people working on it, we will.



LWV LEAGUE OF WOMEN VOTERS® OF CALIFORNIA

- Welcome, agenda, meet the Steering Team
- Overview of Task Force
- What's happening around CA and San Diego
- Break with refreshments
- Areas of interest for San Diego
- Break-out Groups
- Wrap-up



CCTF Steering Team

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 – Lead, Transportation Team

Mary O’Kicki – Lead, Food, Soils and Agriculture Team

Dan Zalles – Lead, Wildfire Team





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
Carbon Tax or Fee Cap and Trade	Electricity generation Transportation Industrial Buildings	Government Programs Mitigate/adapt Reduce deficit Infrastructure, etc Revenue Neutral Return to people Reduce other taxes



How Do You Price Carbon?

Price on Carbon

Carbon Pricing Elements

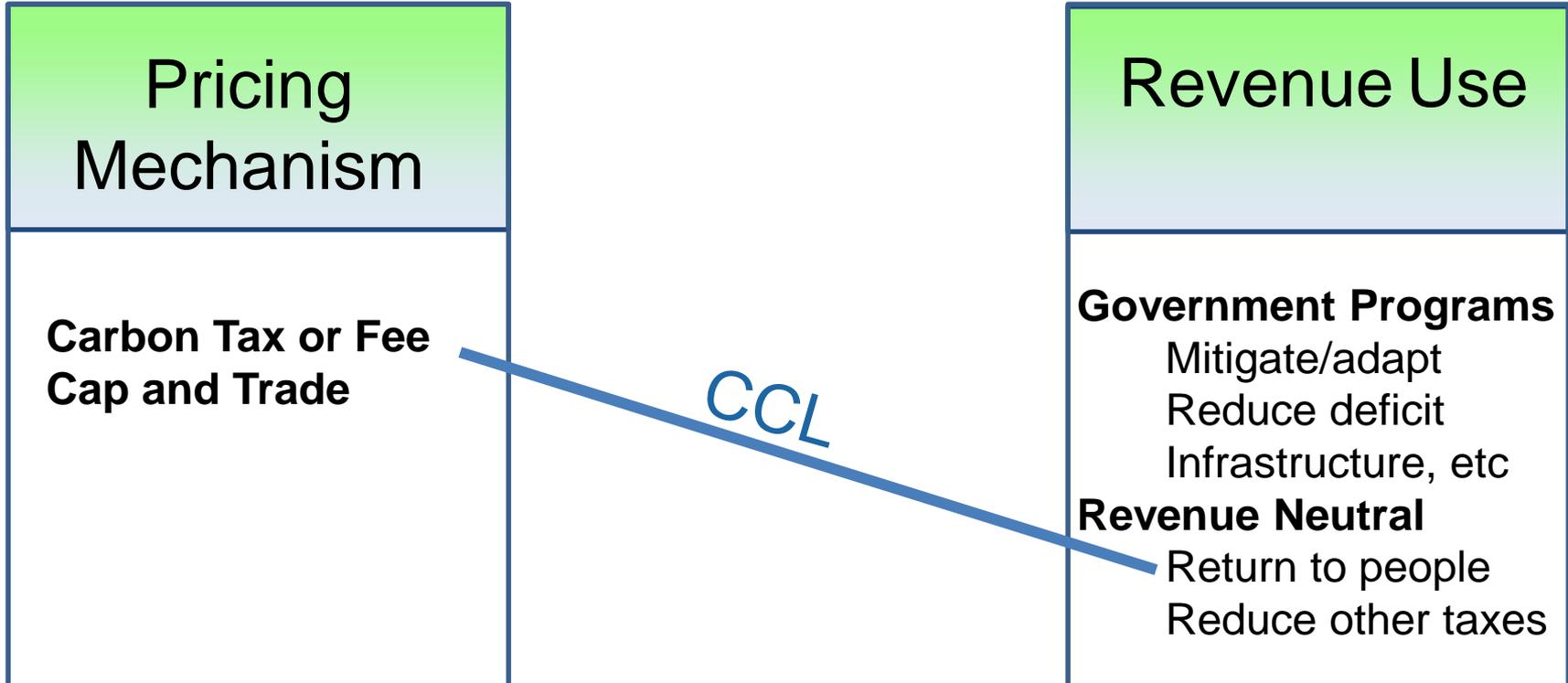




How Do You Price Carbon?

Price on Carbon

Carbon Pricing Elements





Price on Carbon

Carbon Pricing Position

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



League of Women Voters

Green New Deal

Rep. Ocasio-Cortez and Senator Markey Version

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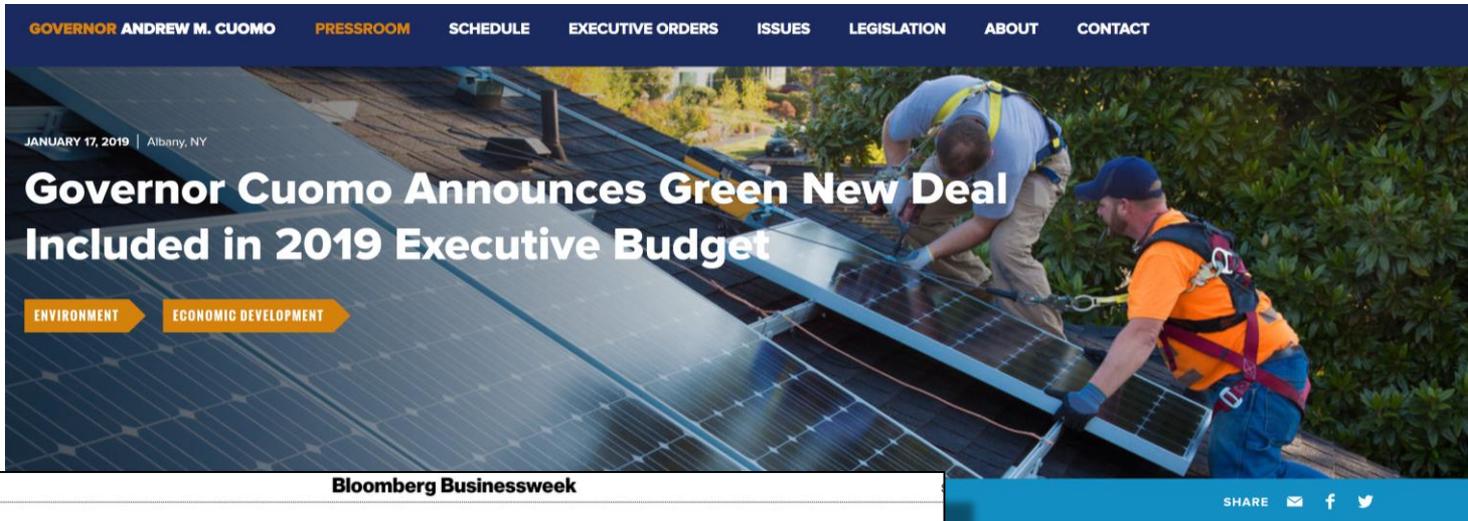


“Economic security available to everyone”

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



There's More than One "Green New Deal"



arch **Bloomberg Businessweek**

February 14, 2019, 1:00 AM PST

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

Climate Changed

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

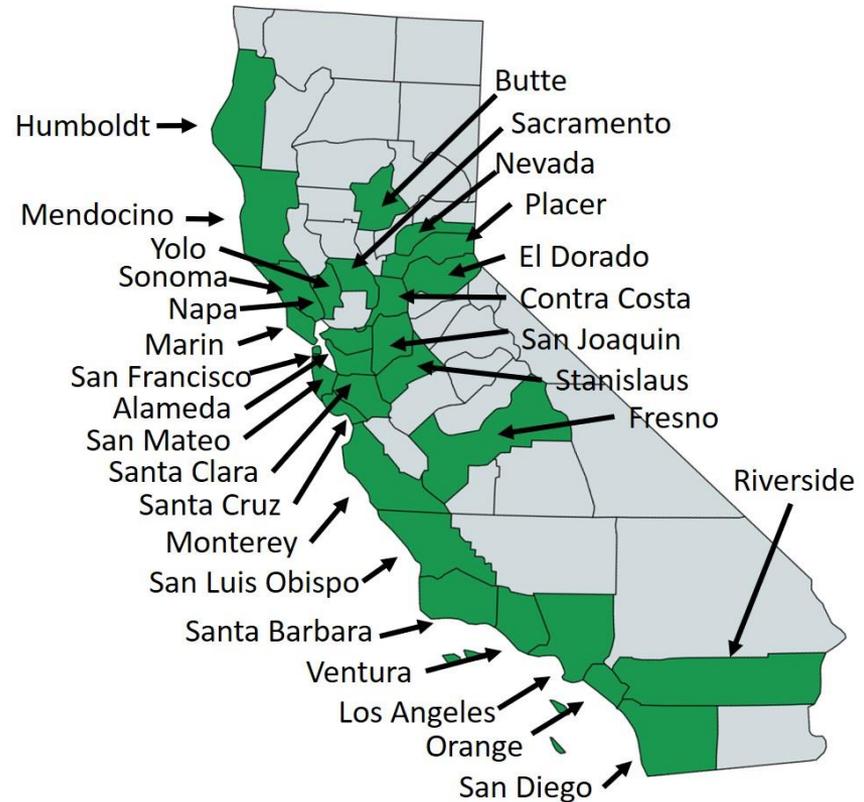
- Reduce emissions – GHG 80% below 1990 by 2050, 100% zero carbon electricity by 2045
- Sustainable communities – green buildings
- Natural and working lands, agriculture
- Transportation, land use, housing
- Cap and trade





Climate Change Task Force

- 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

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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
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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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EasyVoterGuide.org

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Learn about topics

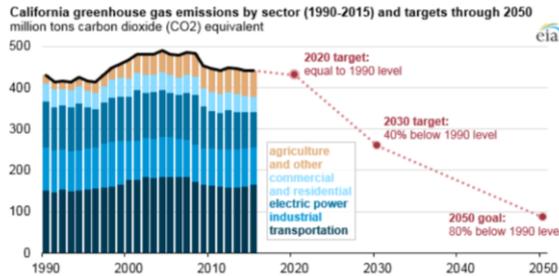
Building Electrification

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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 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](#)



LWVC Climate Change Task Force



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 "Settings". The main content area features a post from April 1st with the text "Please join us in SoCal!". The post includes a large graphic for the "SoCal Climate Change Forum" at "All Saints Church Sweetland Hall" on "Saturday, June 22, 2019, 11:00am - 3:00pm". The graphic shows a landscape with a green tree on the left and a bare tree on the right, under a sunset sky. Below the graphic 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 dropdown menu is also visible, showing "English (US)", "Español", "Português (Brasil)", "Français (France)", and "Deutsch".



LWVC Climate Change Task Force



Why LWV and Climate?



LWVC Climate Change Task Force



What LWV Brings to Climate

- Climate protection clearly stated in our positions
- Broader perspective than just climate (e.g. transparency, fiscal responsibility)
- Informing voters
- GOTV for climate efforts
- Holding elected officials accountable





Climate Work Around California



LWVC Climate Change Task Force



Statewide Teams

- Food, Soils, and Agriculture
- Sea Level Rise
- Electrification of Buildings
- Wildfires
- Transportation





Statewide Teams

- **Food, Soils, and Agriculture**
- Sea Level Rise
- Electrification of Buildings
- Wildfires
- Transportation





Food, Soil and Agriculture

- Efforts in these three related areas can **reduce GHGs emissions,**
- **Remove carbon** from the atmosphere (carbon sequestration), and
- Retain water in the soils to build **drought resiliency**





Food, Soil, and Ag Team

Food, Soils, and Agriculture

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The Issue

We need to drawdown CO2 from the atmosphere to avoid catastrophic climate change. Currently the most powerful tool to do that is to use natural systems – such as building [healthy soils](#) – to draw down and sequester CO2. Building healthy soil can be done at scales ranging from your garden to major agriculture.

What We Can Do

Education on healthy soils, such as the webinar [here](#) (scroll down a bit), collaboration with other groups, gardens, or businesses, demonstration sites, and lobbying legislators are all helpful.

Who's Working on It

The League of Mendocino County is leading the pack. They have held events to foster collaboration and education, are coordinating with other organizations and businesses in the area and communicating with legislators. Other Leagues doing education are Palo Alto, San Jose-Santa Clara, and Berkeley-Albany-Emeryville.

Resources

- ★ [SoilCarbonWatch.org](#)
- ★ [Climate Victory Gardens](#)
- ★ [Building a Regeneration Movement in Your Local Community](#)
- ★ [Climate Smart Agriculture – Healthy Soils Program](#)
- ★ [The Dirty Dozen – Tips for Building Healthy Soil](#)
- ★ [Can We Stop Climate Change by Removing CO2 from the Air? \(TED talk\)](#)
- ★ [CalCAN](#)
- ★ IPCC Aug 2019 [Report on Climate Change and Land](#)

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Food, Soil, and Ag Team

Everyone Is Welcome!

- Mendocino
- Butte County
- San Luis Obispo
- Sacramento
- Palo Alto
- Berkeley-Albany-Emerlyville

- And, YOUR LEAGUE, TOO!

Lead, Mary O'Kicki





CA Healthy Soils Initiative

Interagency Plan to Reduce GHG and Improve Drought Resiliency by Innovating Farm and Ranchland Practices

- Incentive programs
- Demonstration projects
- Funded by cap and trade offsets





What is the League Doing?

League Efforts

- Education – at all levels! Including educating our state representatives
- Individual Action, e.g. food choice
- Local Policy, e.g., purchasing power/funding
- State Policy, e.g., support healthy soils





Some Examples

Mendocino

Healthy Soils

Climate Victory Gardens

Garden Friendly Cities

Partnering (presenters,
panelists, promoters)

Including Elected Officials

Palo Alto

LWVPA Program Series

San Jose

Support County efforts for Ag plan

Open space in Coyote Valley

San Luis Obispo

Partner with the Grange





Statewide Teams

- Food, Soils, and Agriculture
- **Sea Level Rise**
- Electrification of Buildings
- Wildfires
- Transportation





Sea Level Rise

- Working on state policy for zoning restrictions
- Adaptation plans using scientific data through Office of Planning and Research





Sea Level Rise

Sea Level Rise

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The Issue

A [sea level rise](#) of three feet is very probable by 2100 and possible by 2050. This will significantly affect areas of Los Angeles, San Diego, the Bay Area, Humboldt County, and other low-lying coastal areas. Major transportation routes (roadways, rail, airports) will be affected as will inhabited, agricultural, and wildlife areas. Sea level rise is inevitable at this point, but the extent can be mitigated by reducing emissions.

What We Can Do

Education on sea level rise, action to limit zoning in impacted areas, renewal of wetlands, participation in regional transportation planning, and work on sustainable and resilient cities will all help.

Figure shows projected sea level rise from one meter (dark red) to six meters (light orange) in California's Bay Area. *Image from Weiss and Overpeck (University of Arizona) as referenced in [Rice, 2011](#)*

Who's Working On It

Two key areas of work are impacts on coastal communities and modifying zoning restrictions in areas threatened by flooding. The latter is a key effort led by the LWV-Marin County with local, county and state officials. There is also much work on education around sea level rise where Leagues have hosted events, presentations, and/or coordinated with other groups. Leagues active or interested in sea-level rise are Leagues from Marin County, Palo Alto, Berkeley-Albany-Emerlyville, North and Central San Mateo County, Marin County, Humboldt County, and Long Beach Area.

RESOURCES

- ★ [Rising Seas in California](#)
- ★ [Interactive sea level rise map](#)
- ★ [Point Blue/Shorelines](#)
- ★ [State of California Sea Level Rise Guidance](#)
- ★ [Coastal Marsh Sustainability](#)
- ★ [Impacts of Sea Level Rise on the California Coast](#)

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Sea Level Rise Team

Everyone Is Welcome!

- Marin County
- San Mateo County
- Alameda

- And, YOUR LEAGUE, TOO!

Lead, Diz Swift





Statewide Teams

- Food, Soils, and Agriculture
- Sea Level Rise
- **Electrification of Buildings**
- Wildfires
- Transportation





Building Electrification Team

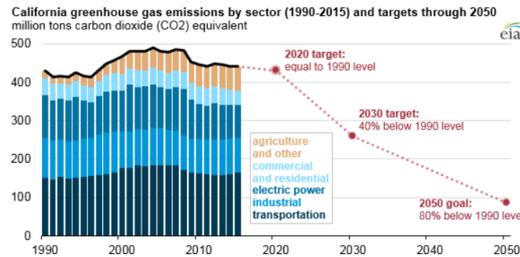
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- * [Building Decarbonization](#)
- * [Brochure on Electrification from LWV Berkeley-Albany-Emeryllie](#) (email climatechange@lwvc.org if you want the editable version)
- * [Electrification Flyer](#)
- * [Presentation Slides on Electrification.pdf](#)

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Building Electrification Team

Everyone Is Welcome!

- Berkeley-Albany-Emeryville
- Pasadena
- Santa Monica

- And, YOUR LEAGUE, TOO!

Lead, April Oquenda



The Problem With Natural Gas

Natural gas (methane) is 20-30 times more effective at trapping heat (global warming potential or GWP)

Methane concentration has been steadily increasing

- From agricultural practices
- Decay of organic waste
- Loss from melting of permafrost
- Leaking from wells and pipelines

**We need to reduce methane emissions
wherever we can**





What We Can Do

Electrify your house (and all buildings)

Switch to 100% renewable electricity

Electric induction stoves

Use heat pumps

By extracting heat from the outside air, heat pumps only need about 1/3 as much electricity as resistance electric appliances.

Electric heat pump heating and air conditioning

Electric heat pump hot water heaters





Partnering

Partner with your city



FEB
07

East Bay Electrification Expo:
Fight Climate Change in a
Clean Energy Home!

by Ecology Center



LWVC Climate Change Task Force



Education

Climate Change is NOW

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? Inside are significant actions to take now.

 League of Women Voters
Berkeley - Albany - Emeryville
lwvbae.org

Fight Climate Change at Home

But How?



Upgrade Your Home

Move to Electricity We need to move away from all fossil fuels, including natural gas. Upgrade to electric appliances and heating.

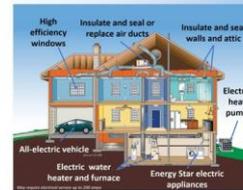
Move to Renewables Sign up for all renewable electricity through EBCE (East Bay Community Energy) or PGE.

Move to Efficient Appliances "Energy Star" or "Enervee" or other electric efficiency ratings.

Insulate and Seal your home.

Upgrade Your Car

Move to Electric The single biggest impact a driver can make is using an all electric car.



Go All-Electric



Here's a prioritized roadmap

100% Renewable Electricity

Opt up through East Bay Community Energy energy.ebce.org/opt-up or PGE.

Upgrade Electric Service

Analyze your electric service. You may need to upgrade to accommodate electric space and hot water heating.

Buy an Electric Vehicle

This is the single biggest impact you can have on emissions as a driver.

Transition Gas to Electric

for water and space heating. Heat pumps are efficient options.

Save Money

Increasing Efficiency will save you money.

Rooftop Solar that produces \$90 of electricity per month will save you \$10,800 in 10 years, plus a tax rebate.

Rebates for Efficiency for home upgrades. Appliance and electronics rebates are available at PGE Marketplace. Be careful to look for electric options.

Rebates for EV include a Federal income tax credit up to \$7500 plus state rebates of \$2500.

Learn How - Resources

Calculate Carbon Savings

<https://coolcalifornia.arb.ca.gov/calculator-households-individuals>
<http://bit.do/your-upgrade>.

Electric Cars

energy.gov/eere/electricvehicles
plugstar.zappyrider.com

Financing

www.gogreenfinancing.com
www.pge.com/care



Statewide Teams

- Food, Soils, and Agriculture
- Sea Level Rise
- Electrification of Buildings
- **Wildfires**
- Transportation





Wildfire Team

Wildfires

The Issue

Recent years have shown that wildfires have increased in frequency and intensity in California. Climate change brings increased temperatures and droughts which exacerbate the risks. How can Californians reduce the number and intensity of wildfires and become more resilient when they occur? Issues surrounding wildfires that Californians are facing include:

- ★ Wildfire insurance premium increases
- ★ Loss of offerings of wildfire insurance to property owners
- ★ Dealing with planned blackouts, such as PG&E's
- ★ Clearing of brush/forest thinning/controlled burning
- ★ Improving grassland and forest health
- ★ More restrictive zoning in suburban-rural boundary areas
- ★ Encouraging microgrids and home-generated renewable energy (solar, wind)

What We Can Do

- ★ Education on preparedness, zoning, prevention, and forest/land-use management.
- ★ Partnering with local agencies or organizations to distribute information and develop events.
- ★ Tracking and lobbying (or developing) legislation at all levels to address various needs related to wildfires.

Who's Working on It

Local leagues already active in addressing wildfire challenges:

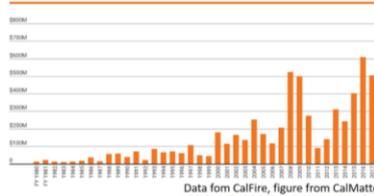
- ★ Wildfire preparedness/Evacuation response in fire emergencies (Diablo Valley)
- ★ Proper water and forest management (Humboldt County)
- ★ Rural fire safety and wildfire prevention (Placer County, South San Mateo County)

Resources

- [U.S. Forest Service](#)
- [Forest Management](#)
- [Understanding California Wildfires](#)

Share:

Cost of California Wildfires



CURRENT STATEWIDE ELECTION

March 3, 2020
Presidential Primary
Election

VOTER TOOLBOX

[Elections](#)

[Register to Vote](#)

[How to Vote](#)

[Find a Local League](#)



Find your ballot

Zip*

[Privacy Policy](#)



ADDITIONAL RESOURCES

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

[EasyVoterGuide.org](#)

[VotersEdge.org/CA](#)





Wildfire Team

Everyone Is Welcome!

- Palo Alto
- Berkeley-Albany-Emerlyville
- Placer County
- Sacramento

Lead, Dan Zalles

And, YOUR LEAGUE, TOO!





Wildfire Team

Issues

- Fire risk mitigation (landscape, buildings)
Responsibilities of property owners vs. government/public agencies
- Insurance
Insurance denials
Coordination of insurance and fire mitigation practices
- Monitoring roll-out of new state laws

Actions

- Learning about state and local efforts
- Planning webinars
- Building partnerships





Statewide Teams

- Food, Soils, and Agriculture
- Sea Level Rise
- Electrification of Buildings
- Wildfires
- **Transportation**





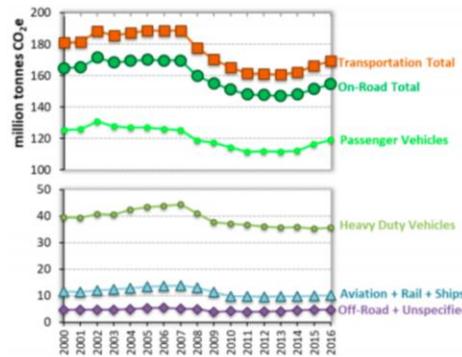
Transportation Team

Transportation

The Issue

The Transportation sector is the [largest source of emissions](#) in California, totaling 41% of all emissions (the next largest is Industrial, at 23%). Transportation's portion of emissions has also been [increasing as a percentage of the pie](#) (from 37% in 2015, to 39% in 2016), at least partly because electricity generation has decreased. Although we saw a decrease in transportation emissions from 2007, we are again on the increase, largely from gasoline emissions used in passenger vehicles.

Figure and data from [2019 Edition, California Greenhouse Gas Emission Inventory: 2000 – 2017](#).



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CURRENT STATEWIDE ELECTION

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Address

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[Go](#)

[Privacy Policy](#)



ADDITIONAL RESOURCES

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[EasyVoterGuide.org](#)

What We Can Do

Regulations and improved fuel efficiency of the vehicle fleet drive down emissions over time, but population growth, lower fuel prices, improved economic conditions, and higher overall employment are factors that may increase fuel use. Actions to improve conditions include support for:

- ★ Policies for more dense housing near public transportation centers
- ★ Pro-public transportation and self-powered transportation legislation
- ★ Policy that improves fuel efficiency standards and encourages electric vehicles

Who's Working on It

LWV-Los Angeles is working in collaboration with other organizations to educate and evaluate solutions. LWV-Marin County is collaborating with the Transportation Authority of Marin and local governments. LWV-Diablo Valley and LWV-San Francisco are both growing their actions on transportation.





Transportation Team

Everyone Is Welcome!

- Los Angeles
- Santa Monica
- Berkeley-Albany-Emerlyville
- Diablo Valley
- Marin County
- San Francisco

Lead, Stephanie Liu

And, YOUR LEAGUE, TOO!





Transportation Team

Current and Future Actions

- Understand current state and local efforts
- Build the team to represent major CA regions
- Provide resources and educational opportunities to Local Leagues
- Partner with like-minded organizations (Transform, 350)

Monitor Relevant Legislation

- Emissions regulation
- Public Transportation
- Housing/Transportation
- R&D on innovative fuels/infrastructure
- Autonomous Vehicles





15 minute Break!



LWVC Climate Change Task Force



Climate Work Around San Diego



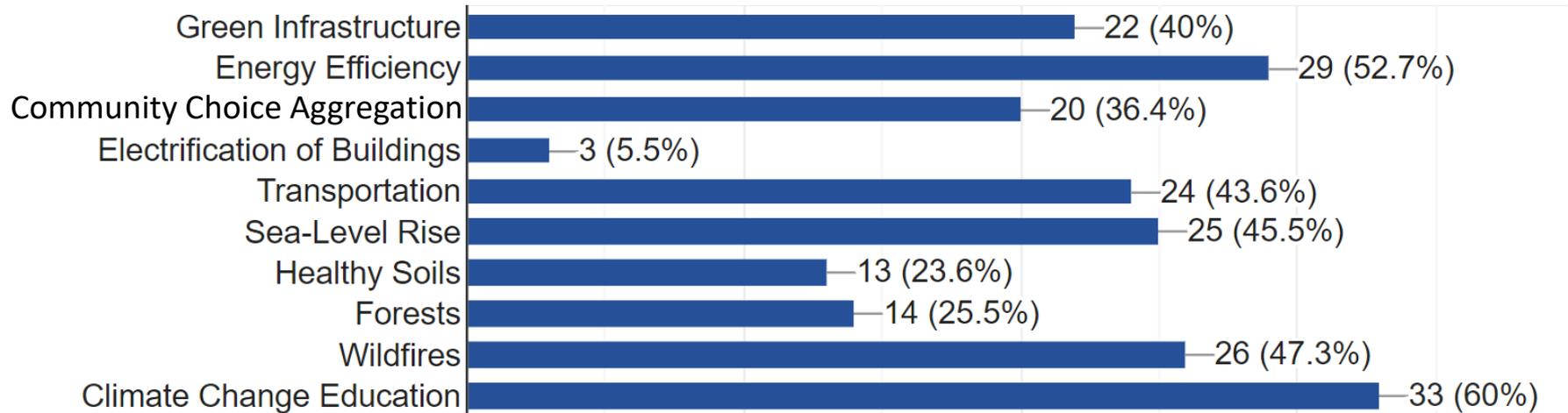
LWVC Climate Change Task Force



Interests in San Diego

Which topics are you most excited about?

55 responses





Breakout Groups

Goal

Discuss what specific actions Leagues can take in your issue area

In Your Breakout Group

- Select a recorder
- Listen to everyone
- Decide what actions are doable and effective
- Select someone to report out





**Let us know how the
Task Force can help**



LWVC Climate Change Task Force



+ What We Did Well

Δ What We Need to Improve



Issue Area	This is a concern*	Join breakout group**
Housing and Transportation	19	14
Educating others on climate change	14	10
Impact on resources	10	5
Sea Level Rise	23	4
Food Soil and Agriculture	13	4

* Each get 3 votes

**Each get 1 vote





Sea Level Rise

- Carlsbad and Del Mar
- Carlsbad has been looking at SLR since 1016
- Get educated on local program
- Attend Coastal Commission Meeting(s)
- Map on Carlsbad website that shows local SLR
- Keeping abreast of news

Suggestions

Could talk to Scripps about seawall?





Food, Soils, and Agriculture

- Need to share our local positions on ag, also LWVUS; need to lobby based on our position
- Closing golf courses, instead of developing as housing, might lobby to keep it as open space
- Food – Feeding San Diego, Kitchens for Good
- Educate ourselves on food recycling
- Growing Passion (KPBS) Ask Ms. Sternam to speak
- Solana Beach Recyclers is a good resources
- Encourage “green buildings, with plants”





Housing and Transportation

- Updating position on housing and transportation
- Create positions that support smart land use and dev'mt
- Public support for SOS
- Ensure general plan updates are smart growth
- Publicly oppose dev'mt that does not meet climate goals
- Advocate for creative housing solutions
- Inform on our positions
- Use social media





Education

- Population needs increased awareness
- Reach out to minorities, conservatives and military families
- Align with youth groups that are already energized
- Have public service announcements with activist youth
- School curriculum could mandate CC talk
- Talk about hazards of climate change, make it personal
- What can do on day-to-day basis
- Public speakers bureau
- Know your audience, tailor the message, e.g. conservatives, disadvantaged communities, LWV members on how to do it





Impact on Resources

- Includes ag and air quality (transportation)
- Focused on biodiversity, need for multi-habitat conservation areas – SANDAG
- Get an observer corps for SANDAG
- Water – educate and advocacy at local and county gov. to encourage water reuse at city level and treatment centers
- Use the correct language (define gray water, etc)
- Cooperate with water districts – tours of plants
- Have questions and candidate forums to get them on record and inform citizens
- Teach kids first
- Get on mailings from water districts
- Build website to talk on potable reuse, give a place to congregate
- Field trips to Pure Water San Diego
- Encourage native plants





Input on Performance

What Went Well

- Variety of topics – think and act
- Orientation to action
- List of resources

What We Can Improve

- More examples of possible local actions
- Slides need larger print

