

From Nina (she/her), TCC to Panelists: (10:41 AM)

[https://docs.google.com/document/d/1Ja30NgNmZyCBDn4UirD4y9wZrSeau10Tuf1jX9k8X\\_k/edit](https://docs.google.com/document/d/1Ja30NgNmZyCBDn4UirD4y9wZrSeau10Tuf1jX9k8X_k/edit)

From Me to Nina (she/her), TCC: (Privately) (10:47 AM)

I'm inclined to have you start recording too. OK with you?

From Nina (she/her), TCC to Me: (Privately) (10:48 AM)

Yes, Ellie usually tells me when to start recording

From Me to Nina (she/her), TCC: (Privately) (10:48 AM)

perfect

From Mark Kyle to Me: (Privately) (10:53 AM)

NADY USB-1CX, usb condenser microphone, about \$75  
buy a desk stand

From Me to Mark Kyle: (Privately) (10:53 AM)

thank you!

From Matt Renner to Panelists and Attendees: (11:02 AM)

2030! We can do it!

From Nina (she/her), TCC to Panelists and Attendees: (11:03 AM)

Endorse Climate-Safe California here: <https://theclimatecenter.org/endorsement/>  
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From Nolan Gorman to Panelists and Attendees: (11:05 AM)

Hopefully this state just bans all oil and gas extraction!

From Mark Mortensen to Panelists and Attendees: (11:05 AM)

Jobs for oil and gas workers could come from work on geothermal. Dave Roberts of Vox wrote a great article on the topic. You can find it here: <https://www.vox.com/energy-and-environment/2020/10/21/21515461/renewable-energy-geothermal-egs-ags-supercritical>

From Dave Shukla to Panelists: (11:05 AM)

Looking forward to these presentations!

From Nina (she/her), TCC to Panelists and Attendees: (11:07 AM)

Endorse Climate-Safe California here: <https://theclimatecenter.org/endorsement/>

From Mark Mortensen to Panelists and Attendees: (11:09 AM)

Other jobs could come from a new citizens climate corps that, in our area, could focus on the sustainable removal (guided by ecologists, biologists and forestry professionals) of accumulated biomass (from fire suppression). Removed biomass could be made into biochar, which is a powerful soil amendment that rejuvenates depleted soils. Lots of jobs in this.

From Bruce Hagen to Panelists: (11:10 AM)

Curious why Carol doesn't like "just transition" -- don't want to contribute to mis-labeling.

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Panelists and Attendees: (11:12 AM)

Please put questions into the Q&A

From Ann Blake to Panelists and Attendees: (11:12 AM)

@Mark, agreed. Some of that biomass could also be turned into material feedstocks that could displace petrochemical feedstocks. 16-20% of petroleum goes to petrochemicals, and its slated to be the biggest growth for oil in the coming decade. Agricultural residuals (almond hulls, shells, rice straw, and more) can also be used and generate jobs in rural communities.

From Marcus Courtney to Panelists: (11:13 AM)

Will attendees get access to the PowerPoints?

From Steven Moss to Panelists and Attendees: (11:13 AM)

There seems to be a conflict between electric utility organized labor, which is properly focused on protecting union jobs, and the need to transition to distributed energy resources and a more dispersed energy system, which of course is not unionized...

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Panelists and Attendees: (11:13 AM)

Yes- will be posted with recording at [www.theclimatecenter.org/webinars](http://www.theclimatecenter.org/webinars)

From Dave Shukla to Panelists and Attendees: (11:14 AM)

misclassification / independent contractor status is now a much broader problem with

this current (not?)-outgoing Republican Administration

From Mike Moore to Panelists: (11:15 AM)

The slide deck will also be posted?

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Panelists and Attendees: (11:15 AM)

yes as a pdf

From Leah Redwood to Panelists: (11:16 AM)

And with giant corporations paying for passing initiatives to keep their workers misclassified

From Isobel White to Panelists: (11:17 AM)

I bought wetsuits too!

From Nick Despota to Panelists: (11:17 AM)

I'm buying wetsuits too, and for the same reason,, Carol.

From Zeno Swijtink to Panelists: (11:17 AM)

Can you change the setting so we can save the chat?

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Zeno Swijtink, Panelists: (11:18 AM)

we will save the chat

From Me to Nina (she/her), TCC: (Privately) (11:18 AM)

Can you please drop stuff in the Google doc? I can't while I'm sharing my screen

From Matt Broad to Panelists and Attendees: (11:18 AM)

A recent study about what the transition to green jobs means for the livelihood of those being transitioned.

<https://cabuildingtrades.org/would-green-jobs-offset-those-lost-from-a-phase-out-of-oil-and-gas-production/>

From Nina (she/her), TCC to Me: (Privately) (11:19 AM)

Ellie is on it!

From Robert Perry to Panelists and Attendees: (11:19 AM)

Using the clean truck analogy, collateral benefits of zero-emissions need to be acknowledged to provide alternate revenue streams. Also, service sectors with high emissions impacts should be prioritized for funding, particularly in low-income areas.

From Me to Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org): (Privately) (11:19 AM)

Thank you for dropping in Q&A! I can't while I'm sharing my screen

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Me: (Privately) (11:23 AM)

Yes- I thought that might be the case! Do you have the updated slide show from Carol?  
THANKS so much

From Me to Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org): (Privately) (11:23 AM)

yes

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Me: (Privately) (11:24 AM)

thx!

From Me to Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org): (Privately) (11:24 AM)

(Nina was also available but saw you were doing it)

From Mark Mortensen to Panelists and Attendees: (11:24 AM)

Ned Orrett: Good point in Q/A about the job opportunities in building electrification. Reminds us of jobs available for retrofitting homes and buildings to increase energy efficiency.

From Helen Lang to Panelists: (11:27 AM)

How would these standards apply to undocumented workers?

From Mark Mortensen to Panelists and Attendees: (11:28 AM)

Many of the techniques used in drilling and fracking for oil can be shifted over to work in geothermal. Oil and gas companies are slowly starting to recognize opportunities in geothermal.

From Mark Mortensen to Panelists and Attendees: (11:29 AM)

Capping leaking methane (natural gas) wellheads is another long term opportunity for oil and gas workers.

From JANET DIETZKAMEI to Panelists: (11:29 AM)

Good comment, Mark Mortensen.

From kathy Dervin to Panelists and Attendees: (11:31 AM)

Example: Spanish agreement on phasing out coal and paying worker pensions and benefits (for 1500-2000 workers) and some kinds of retraining and env restoration.

From Me to Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org): (Privately) (11:31 AM)

I can drop in Q&A now

From Stew Plock to Panelists: (11:31 AM)

Phillips 66 plans to switch away from petroleum to soy oil and cooking oils to keep their Rodeo refinery open and keep all refinery worker jobs...how to deal with that given that it perpetuates need for diesel fuels

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Me: (Privately) (11:31 AM)

I've done most

From Me to Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org): (Privately) (11:31 AM)

thank you!

From H. E. Christian (Chris) Peeples to Panelists and Attendees: (11:31 AM)

My agency is retraining 400 diesel mechanics to work on fuel cell buses. All Union. All well paid with good benefits.

From larry rillera to Panelists and Attendees: (11:32 AM)

What agency?

From Dave Shukla to Panelists: (11:33 AM)

could you please change the settings so that the chat could be saved?

From Nina (she/her), TCC to Dave Shukla, Panelists: (11:34 AM)

We can make the chat available with the rest of the webinar materials.

From Robert Kibrick to Panelists and Attendees: (11:34 AM)

Hi Chris, Glad to see you on this call.

From Dave Shukla to Panelists: (11:41 AM)

I'm really glad to see a lot of the ideas from the our "Beyond Green Jobs" (UCLA DLC, 2012) have become the prevailing wisdom!

From Steven Moss to Panelists and Attendees: (11:42 AM)

Understanding this is a controversial comment in this forum, isn't there a trade off between the lowest cost means to achieve climate goals, including related to labor and capital, and the provision of well-compensated jobs...

From Rick Theis to Panelists: (11:42 AM)

What CWDB does looks great. So, I wonder why CA has such a high rate of poverty

From Dave Shukla to Panelists and Attendees: (11:42 AM)

+++ Systems Approach

From kathy Dervin to Panelists and Attendees: (11:43 AM)

North American Bldg Trades just signed an agreement with Danish wind energy company Orsted. <https://www.reuters.com/article/us-usa-energy-orsted/rsted-strikes-deal-with-labor-union-on-u-s-offshore-wind-development-idUSKBN27Y1NE>

From Carmen Ramirez to Panelists: (11:43 AM)

I hope that this chat can be saved with all of this good information.

From Helen Lang to Panelists and Attendees: (11:43 AM)

Let him talk!

From Me to Carmen Ramirez, Panelists: (11:44 AM)

yes, we will save it!

From Nina (she/her), TCC to Panelists and Attendees: (11:44 AM)

The chat will be saved and made available at <https://theclimatecenter.org/webinars/>

From Dave Shukla to Panelists: (11:44 AM)

thanks Nina

From Rick Theis to Panelists and Attendees: (11:46 AM)

What CWDB does looks great. So, I wonder why CA has such a high rate of poverty

From Robert Perry to Panelists and Attendees: (11:47 AM)

Much of the opposition to living wages rests on project ROI, or the lack thereof, which in turn is dependent on multiple revenue streams that have not yet been realized. Monetizing presently unaccounted external costs should help to make these projects more viable investments.

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Panelists and Attendees: (11:48 AM)

<https://cwdb.ca.gov/> CA Workforce Development Board

From Dave Shukla to Panelists: (11:48 AM)

Great presentation Shrayas - +++ regional and localized labor market shifts - clean energy economy shift needs to be systems-wide with a vision of what is needed to achieve climate stabilization over the next 10, 20, 30, etc. years - continual process with better metabolism modelling - would love to talk to you folks more about it, and our climate-science based non-profit, the Long Beach Alliance for Clean Energy! - Dave Shukla

Operations, LB ACE  
[dave.shukla@gmail.com](mailto:dave.shukla@gmail.com)  
562.394.5953 (signal)

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Panelists and Attendees: (11:48 AM)

<https://laborcenter.berkeley.edu/> UC Berkeley Labor Center

From Monica Embrey to Panelists and Attendees: (11:48 AM)

Thank you Mark! Sierra Club is proud to have formed the Blue Green Alliance with USW and many other labor unions and partner closely here in CA!

From Dave Shukla to Panelists: (11:48 AM)

sorry - 562-341-5953 for signal, Thanks!

From Ellie Cohen [ellie@theclimatecenter.org](mailto:ellie@theclimatecenter.org) to Dave Shukla, Panelists: (11:49 AM)

Thanks Dave!

From Michael Eisenscher to Panelists and Attendees: (11:50 AM)

Alameda Labor Council has had a Climate and Environmental Justice Caucus for several years. It has organized very successful Climate Convergences that have drawn

more than 200 participants from a wide range of unions and sectors.

From Curtis Notsinneh to Panelists: (11:51 AM)

<https://cwdb.ca.gov/initiatives/hrcc/> Link to CWDB High Road Construction Careers initiative page

From Zach Lou to Panelists and Attendees: (11:51 AM)

If it hasn't been put in the chat yet, here's the AB 398 report that was mentioned — Putting California on the High Road: A Jobs and Climate Plan for 2030 <https://cwdb.ca.gov/wp-content/uploads/sites/43/2020/09/AB-398-Report-Putting-California-on-the-High-Road-ADA-Final.pdf>

From Curtis Notsinneh to Panelists: (11:51 AM)

<https://cwdb.ca.gov/initiatives/high-road-training-partnerships/> Link to CWDB High Road Training Partnerships initiative page

From kathy Dervin to Panelists and Attendees: (11:52 AM)

AB 841 (Ting) is the bill Carol just mentioned [https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill\\_id=201920200AB841](https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=201920200AB841)

From Ann Blake to Panelists and Attendees: (11:52 AM)

Thank you, Zach!

From Igor Tregub to Panelists and Attendees: (11:53 AM)

The Sierra Club has also partnered, along with the USW and other labor, in local trainings around this issue, particularly in Contra Costa County. Thanks for all y'all are doing!

From Bob Burke to Panelists and Attendees: (11:53 AM)

Carol's slide identified eight "low wage trouble spots." The fulfillment centers of Amazon and comparable companies appear not to be on that list, but I fear they should be.

From Michael Eisenscher to Panelists and Attendees: (11:54 AM)

Got on late. I hope a recording will be available.

From Curtis Notsinneh to Panelists: (11:54 AM)

Press Release announcing partnership between the CWDB and CPUC <https://cwdb.ca.gov/wp-content/uploads/sites/43/2020/10/FINAL-Press-Release-CPUC->

CWDB-MOU-10.29.2020\_ACCESSIBLE.pdf

From Barbara Sattler to Panelists: (11:55 AM)

RE: "just transition" Does the Workforce Development Board have any representation / communications with people from Health and Human Services when considering things like ensuring health care access, social/mental/physical health in communities that may be affected by significant job loss, as well as building overall resiliency within the impacted communities.

From Robert Perry to Panelists and Attendees: (11:55 AM)

There is a lot of bipartisan support for the economic benefits from clean energy and energy independence.

From Matt Broad to Panelists and Attendees: (11:56 AM)

The State Bldg Trades have been leaders in the CA Legislature on the creation of the RPS, cap and trade, and alternative sources of power like pumped storage hydropower, geothermal, and solar.

From Dave Shukla to Panelists and Attendees: (11:56 AM)

Funny how some of the basic pillars of pandemic response and infection control - principles we have had as a nation as long as we've had a Public Health Service, fyi... this is still an Enlightenment project - are coextensive and cobeneficial with many of the behavioral and planning and vision/mission changes necessary for livability as a baseline throughout california communities - not to totally shill, but it's part of why we signed onto the Climate Safe California Campaign

From Curtis Notsinneh to Panelists: (11:56 AM)

MOU Text [https://cwdb.ca.gov/wp-content/uploads/sites/43/2020/10/Signed-CWDB-CPUC-MOU-9.14.2020\\_ACCESSIBLE.pdf](https://cwdb.ca.gov/wp-content/uploads/sites/43/2020/10/Signed-CWDB-CPUC-MOU-9.14.2020_ACCESSIBLE.pdf)

From Matt Broad to Panelists and Attendees: (11:56 AM)

Glad to hear all the positive comments about apprenticeship programs ran by the Building Trades. We are very proud of the nearly 70k apprentices we have in programs across the state. One thing to keep in mind re: study I posted above...the jobs in "green sector" are not close to equivalent to those in oil and gas extraction. As Carol mentioned, "green" jobs are often just the reclassification of low wage jobs that already existed. It's a hard sell to our members that we "just transition" them to lower wage opportunities. As has been mentioned, we do lots of "green" work, including solar, wind, etc. But labor orgs will always advocate for their members' financial wellbeing/workplace safety. -- Matt Broad, State Building and Construction Trades Council of California

From Carol Zabin to Panelists and Attendees: (11:56 AM)

response to: Carol's slide identified eight "low wage trouble spots." The fulfillment centers of Amazon and comparable companies appear not to be on that list, but I fear they should be. I agree. this list is the main list for the sectors that are now impacted by climate policy

From Joseph Sullivan to Panelists: (11:58 AM)

Great points, Matt!

From Helen Lang to Panelists and Attendees: (11:59 AM)

Yup - workers of all colors.

From Curtis Notsinneh to Panelists: (12:00 PM)

This series of videos is one of our best ways to describe the benefits of High Road Construction Careers <https://www.youtube.com/channel/UC8j2IMLyol-6ifdLHGTXLiQ/playlists>

From kathy Dervin to Panelists and Attendees: (12:00 PM)

Re: But labor orgs will always advocate for their members' financial wellbeing/workplace safety. -- Matt Broad, State Building and Construction Trades Council of California. Climate change impacts threaten bldg trades members and their families health/wellbeing and future financial status as much as everyone else..

From Floy Andrews to Panelists and Attendees: (12:01 PM)

Exactly. Action and movement is powerful!

From Dave Shukla to Panelists: (12:01 PM)

@Sharyas - Would love to talk to you about how dependent certain municipalities are on oil extraction and upstream infrastructure/development

From Dave Shukla to Panelists and Attendees: (12:03 PM)

Really great set of presentations - looking forward to reading through this report, Thank You!

From Michael Eisenscher to Panelists and Attendees: (12:03 PM)

Time to talk also about making the energy industry underwrite some of the costs and support to their workers out of the humungous profits they have enjoyed over the years. They need to repair damage their products have done to the environment and society.

From Bryn Lindblad to Panelists: (12:03 PM)

Climate Resolve (a policy advocacy org in Los Angeles that does some pilot project work, too) wants to help spur good green job creation and attract potential workers into those fields. A focus on jobs is a bit new to us, but we're trying to learn up and be helpful to the movement.

-Bryn Lindblad, Deputy Director of Climate Resolve

From Alice Sung to Panelists: (12:04 PM)

prioritize people first, not profits

From Alice Sung to Panelists: (12:05 PM)

but why should public funds go to private corp profits?

From Priscilla Lane to Panelists: (12:05 PM)

Yes Michael! Agree!

From Shirley Johnson to Panelists: (12:05 PM)

thank you!

From Barbara Sattler to Panelists: (12:05 PM)

Great Program Thank you!

From Alice Sung to Panelists and Attendees: (12:05 PM)

Thank you for this discussion

From Nina (she/her), TCC to Panelists and Attendees: (12:05 PM)

Endorse Climate-Safe California here: <https://theclimatecenter.org/endorsement/>

From Ann Blake to Panelists and Attendees: (12:05 PM)

Thank you, Shrayas, Carol, Mark and the Climate Center team....more conversations on this topic, please!!

From Bryn Lindblad to Panelists: (12:05 PM)

Thank you, panelists, organizers, and all of the active chatters!

From Gretchen Newsom to Panelists: (12:05 PM)

Beyond PLAs, another good way to advocate for good, green jobs is to make sure the workforce is “skilled and trained” - graduates of apprenticeship programs with lifelong learning opportunities, and workers that do work in their craft - ie. Electrical work should be done by CA certified electricians - this includes solar and battery storage.

From Nina (she/her), TCC to Panelists and Attendees: (12:05 PM)

Endorse Climate-Safe California here: <https://theclimatecenter.org/endorsement/>

From Danielle Barnes to Panelists: (12:05 PM)

Great set of presentations! Thank you everyone for putting this together

From Monica Embrey to Panelists and Attendees: (12:06 PM)

Thank you all, wonderful conversation

From Priscilla Lane to Panelists: (12:06 PM)

Thank you all!

From Igor Tregub to Panelists and Attendees: (12:06 PM)

Thank you all!

From Kevin Anderson to Panelists: (12:06 PM)

Great job TCC Team!

From Jesse Flores to Panelists: (12:06 PM)

Thank you!

From Matt Broad to Panelists and Attendees: (12:06 PM)

Thank you panelists!

From Jiayi Hou to Panelists and Attendees: (12:06 PM)

Thank you all!