

Carbon Neutrality Studies Workshop, November 14, 2019
Wilmington, California (Bannings Landing Community Center)
SUMMARY REPORT

Agenda

- Opening, Facilitators
- Welcome, Gary Gero
Chief Sustainability Officer, Los Angeles County
- Purpose of Meeting, Serena McIlwain
Undersecretary for Environmental Protection, CalEPA
- Small Group Discussion
- Closing and Evaluation, Facilitators

Vehicle Emissions and Fossil Fuel Demand and Supply Studies

Third Public Workshop
November 14, 2019



California Emissions Policies

- California employs numerous policies and actions to meet air pollution and climate-changing emissions goals
- The state's economy continues to grow faster than the US average
- Policies address:
 - Emissions monitoring and reporting
 - Industrial emissions and electricity generation
 - Vehicle technology and fuel technology
 - Amount of driving ("Vehicle Miles Traveled") and transportation systems
 - Consumer products
- Equity, sustainability, and resilience underscore all efforts

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Vehicle Emissions and Fossil Fuel Demand and Supply Studies

- The Budget Act of 2019 authorizes studies of strategies to reduce vehicle emissions and to decrease the demand and supply of fossil fuels
- Significant research and policy development and implementation is complete or underway
- We want your ideas on strategies and topics of inclusion for these studies

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Related State Efforts

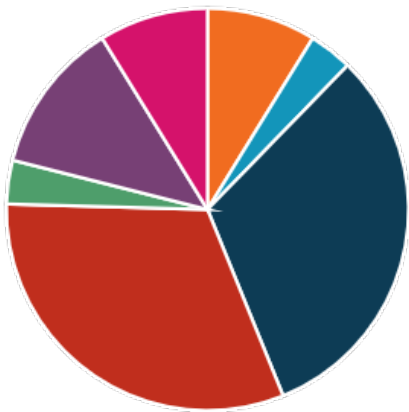
- [California Energy Commission: Senate Bill 100 Joint Agency Report](https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/joint-agency-report-sb-100)
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/joint-agency-report-sb-100
- [Department of Transportation: California Transportation Plan 2050](https://dot.ca.gov/programs/transportation-planning/california-transportation-plan-2050)
https://dot.ca.gov/programs/transportation-planning/california-transportation-plan-2050
- [California Energy Commission: Low-Income Barriers Study, Part A \(SB 350\)](https://ww2.energy.ca.gov/sb350/barriers_report/)
https://ww2.energy.ca.gov/sb350/barriers_report/
- [California Air Resources Board: Low-Income Barriers Study, Part B \(SB 350\)](https://ww2.arb.ca.gov/resources/documents/carb-barriers-report-final-guidance-document)
https://ww2.arb.ca.gov/resources/documents/carb-barriers-report-final-guidance-document
- [California's Sustainable Communities and Climate Protection Act \(SB 150\) Progress Report](https://ww2.arb.ca.gov/resources/documents/tracking-progress)
https://ww2.arb.ca.gov/resources/documents/tracking-progress
- [Opportunities for Additional Reductions from Petroleum Transportation Fuels, Workshop Summary](https://ww3.arb.ca.gov/cc/scopingplan/meetings/082018/august-20-2018-ghg-workshop-summary.pdf)
https://ww3.arb.ca.gov/cc/scopingplan/meetings/082018/august-20-2018-ghg-workshop-summary.pdf
- California Workforce Development Agency: Jobs, Equity, and California Climate Policy Report (AB 398) (Under development)
- [California Air Resources Board: Scoping Plan](https://ww3.arb.ca.gov/cc/scopingplan/scopingplan.htm)
https://ww3.arb.ca.gov/cc/scopingplan/scopingplan.htm

Potential themes for study work

- Opportunities and benefits, risks and challenges
- State and local partnerships, and current work at the local level
- Recent and ongoing research
- Strategies to reduce vehicle emissions and the demand and supply of fossil fuels
- Sustainable and equitable economic transitions
- Land use and transportation systems policies
- Health and environmental impacts
- Opportunities for early action

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I represent / Yo represento



Local Government / Gobierno Local - 9%

Local Resident / Residente Local - 4%

Community Group / Grupo de la comunidad - 32%

Business or Industry / Negocio o industria - 32%

University, College / Universidad, Colegio - 4%

State Government / Gobierno del Estado - 12%

Other / Ninguna de las anteriores - 9%

Meeting attendees were asked to share which stakeholder group they represent. Nine percent of attendees selected local government; 4% were local residents; 32% were community groups; 32% were business or industry; 4% were universities or colleges; 12% were state government and 9% were other.

Share one thing you are hopeful about for tonight's workshop.

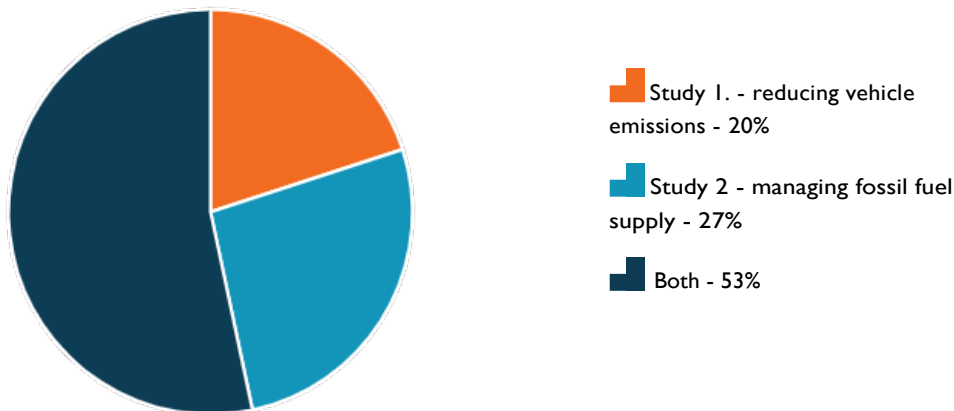
Participant Input

Inclusivity
Genuine dialogue
Getting clarification
~~It is productive, not a check the box exercise~~

Constructive dialogue
No yelling
Zero Emissions!
Better understanding of issues
I am hopeful that everything gets resolved
Clear solutions to this complex issue
Better understanding definition of carbon neutrality.
Actionable data
Thoughtfulness
Understanding different perspectives
Getting clear about what this format will yield
A better definition of this project
Meaningful engagement
EQUITY
Diverse opinions
Acknowledge cost and affordability for low income
I am hopeful we can receive and actually use input from a diverse set of community members.
Real solutions about the energy transition. Underserved communities need a real voice at the table.
Learn what the community expects of California climate goals
Constructive discussion
That this national report gets updated and added to annually
Understanding individual perceptions
Effective and creative solutions
Feedback is taken seriously
I hope that all concerns are heard and taken into consideration
Creating short term and long term reachable goals
Learn what a carbon neutral economy is
Open minds about the potential of advanced technologies.
Reaching a plan that will improve our air quality and keep jobs and income in the community
common ground amongst different groups
Learn the impact to the local work force of carbon neutrality.
Getting a sense of the public capability and willingness to make big changes
Provide the perspectives of different and various communities within the County
Definition of a just transition

Movement toward a fossil fuel free CA
Employment opportunities transparency
Feasibility
How this will impact LIC POC communities
Identifying key equity issues needed to be investigated
That the scoping will create modular units of actions that can be more flexible in implementing
I am hopeful that I will still be able to have a career in my sector of work (oil refinery)
Employment opportunities
Explain just transition. How do we get there
Increase my knowledge on Carbon Neutrality

What study are you most interested in discussing?



Meeting attendees were asked which of the two studies they were most interested in discussing. Twenty percent were interested in study 1 (reducing vehicle emissions); 27% were interested in Study 2, managing fossil fuel supply and 53% were interested in both.

What are some ways this study could not be successful?

Participant Input

- Feedback not incorporated
- Lack of tangible recommendations.
- It can be misunderstood
- If there are no conclusions
- Predetermined conclusions
- Not Incorporating public input!
- Not listening to all voices.
- Outcomes impractical
- Having a lack of feasibly actionable recommendations
- Not including all variables- including unintended consequences
- Not basing it on fact, feasibility
- Miscommunication/ misdirection
- Emissions not actually reduced
- Lack of worker input
- Based on emotion instead of facts.
- If all stakeholder comments are not considered as part of study design
- Symbolism
- Working without industry partnership
- Agreements
- Disproportionate in
- Too much bureaucracy
- If there is just one side
- Demand destruction and job losses.
- failing to prioritize concerns of frontline communities
- Does prioritize equity
- Heavy lobbying by the fossil fuel industry
- If you missed some important alternative
- Not including the voice of all community members and individuals who work in the < industry. It impact them most.
- If don't consider costs and affordability for low income

What are some ways this study could not be successful?

Continued

Participant Input

Pre-determined outcomes, i.e. electric drive is the only solution.

Closed list of options

Too vague

Failing in addressing worker's concerns

Not accounting for the careers/jobs you would lose if we do go completely carbon neutral.

It repeats the conclusions of existing studies

Inadequate outreach to communities affected by emissions

If it doesn't include communities, businesses, and stakeholders. If it only stays as an academic exercise.

Not leading to C neutrality

Be bias toward pre-determined outcome

Symbolic / not actionable

No clear actions developed

Ignoring the needs of the community. People work and need transportation systems to get to a job. We can't all buy teslas or use the bus.

If the scope definition presupposes the outcome

Not include concrete steps for a Just Transition for workers and communities

If don't consider affordability for low income

If the study is not participatory Action Research

Prot over people

If only one side is heard

Specific metrics that can be rethought as needed

Working in a silo

No improvements in air quality

Not providing a clear pathway to neutrality

By kicking the can down the road and not recommending concrete specific actions in the short term

Ignoring community demands.

Not providing a chance for input and action throughout the study period

I'm concerned we know what we need to do, but the truly hard questions are how to do this on the ground in various communities.

Doesn't prioritize equity

Prioritized wealth over health

not fully taking into consideration the need for locally produced oil and gas to keep sustainable and diversified energy sources

Talk to the community

If nobody participated

Small Group Discussion

3 “Rounds” of Discussion

- Bring your discussion guide with you

How to comment

- Agency note taker at each table
- Notes from butcher paper
- Meeting sift instant polling
- Your handout (if desired)
- Email (by Nov 22)

Directions for Small Group Discussion

‘Vote with
your feet’
to
questions
of greatest
interest

You can
switch
groups at
any time

We will tell
you when
to switch

Please share 1 or 2 take-aways from your conversation

Participant Input

Needed more time
 Massive need but limited resources
 It's very complicated and multifaceted
 It's complicated
 How this could affect low income families
 Solutions must be multi-faceted
 My take was it was very enlightening
 We have a very big problem. Lots of separate issues to tackle
 Important points of alignment between industry and community reps and
 We need high quality CLEAN Jobs
 Constructive, informative and inclusive of all opinions and concerns
 Equity needs to be prioritized
 Interesting perspectives
 Concerns about feasibility; need to move one step at a time
 Lots of good ideas
 Need more discussion about what just transition means
 There is no real path to a clean energy future.
 Sustainable source for the electric grid
 Information I was not aware of
 Need to get rid off fossil fuels
 Zero fossil fuels in the system
 This study is too big. You can't study in nity.
 Natural gas needs to be phased out of transportation
 Lack of clarity of the issues
 Needs more clarification
 1) Invest in public transit 2) create a diverse set of clean transportation options
 (electrication is not the only solution).
 Low income people will be left behind
 Carbon neutral by 2045 is a huge challenge
 We are trying to cover too much ground
 Más transporte seguro
 Necesitamos más l sentí is para dueños d camiones o sea para owner operator
 Free transit
 Dividend account parking fair price no free parking
 Menos gasolina
 Mas insentivos para operadores individuales d camiones pesador
 Mike_Bullock@earthlink.net
 Contact mike for details
 Need to explore different paths to reach carbon neutrality

There should be more benefits for Lower income communities, such as Wilmington
 Affordability and infrastructure need to be studied
 Too broad of topic to address with research
 Transition must be feasible
 Good discussion
 Focus on heavy duty goods movement for more bang for your buck
 A lot of unknowns in terms of a plan and costs associated
 Particulate matter coming from vehicles
 Concerns about climate change and how do we transition away from fossil fuels
 Electrics are expensive
 Everyone has best intentions
 Good ideas
 really important mix of perspectives at the table
 It seems we are mandating certain goals without a plan to get there
 Renewable natural gas is not clean
 The importance of having sustainable communities and smart land use policies that encourage mass transit use.
 Lots of focus on the source of electricity
 We need more time; we are all over the place
 Que necesitamos
 We need to look at mobility patterns and we need to ensure that it is dealt with using an equitable lens
 we need more incentives
 Cleaning up the grid is key
 Need more time
 Good comments, holistic approach
 Accessibility to types of transportation
 Need more facts on the new technology
 Better rapid transit, go for the low hanging fruit
 Need strong and comprehensive policies to address statewide opportunities for ZEV
 People traveled a lot from work to Home
 Legacy systems are preventing the implantation of solutions we have now
 Aligned with frontline
 Environmental racism in urban planning port area
 Necesitamos más incentivos
 Incentives
 Phrase zero emissions should be more de ne
 It would be nice to have questions in advance to think about things
 Tienen que cambiar los camiones escolares
 Go for simplistic answers first when making transition
 Residents must pay more taxes to fund incentives
 Willingness to use and incorporate new clean energy practices and technologies.
 Concern for quality of life, equity
 Need to identify real costs and the potential sources of revenue to cover these costs - many solutions exist, not clear how to pay for it.
 Definition of terms and scope of research is essential. This doesn't feel thought through.
 Menos camiones de fasilin
 Electric vehicles need to be cheaper than non electric
 Concern for the local economy
 Fossil free means fossil free
 Not addressing how foolish we live with our
 Opened to feedback
 Need to have all electric vehicles by 2030
 Policy needs More solar generation to
 Necesitamos de IA transporte seguro
 Congestion pricing. Proceeds to make public transportation free.
 Need to identify both short term and long term solutions. Also need more money for these studies.

Please share 1 or 2 take-aways from your conversation

Participant Input

Need for psychology/sociology studies for why people buy SUVs

Demand is easier to target than supply.

Hay una oportunidad para cumplir con Las promesas

Challenging

Excluding non tech savvy communities

Most important thing to research to reduce demand for and supply for fossil fuels is the historical racial injustice/impacts in coc

Make it affordable for everyone to access it

Reducing production of in-state petroleum will require focus on jobs and also reducing demand for non-fuel petrochemicals.

No new oil drilling in CA, stop issuing permits

Las barreras son politicas

Affordability

Not everyone can afford to use solar energy or electric vehicles

Think of all impacts before deciding

This study does not focus on emissions from fossil fuels

Direct and indirect costs need to be fully understood

Jobs

Human research is at least as important as technology research

Need to identify revenues to fund robust worker transition plans for fossil fuel industry workers

Need to start by freezing new permits for fossil fuel infrastructure while the study goes on

Economic impact on the reduction of fossil fuels

Las oportunidades tambien son politicas

What about the petrochemical industry? Would bio-based chemicals or materials replace a portion of the demand for fossil fuels?

Myth of dependency on fossil fuel industry needs busting

We need consistent decision-making from regulators. Good talk needs to be followed with consistent policies

Jobs are important

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Need cheaper ZEV

Wilmington needs a lot of help

We must all pay more for everything

My take away was it was very enlightening

EVs are ideal but not affordable

“Just” transition is simply rhetoric. Need to define what it actually means.

Conflicting objectives disclosed

New technology is expensive, lacking research to prove it works

Keep things local

Significant potential

Cannot have this conversation without talking about jobs

Necesitamos IA Pollo

It will be difficult to change unless the costs associated with it are addressed

Messaging and group psychology will be important factors in transition

Being green must be more inclusive; right now it's focused in the affluent community

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Shifts from freeways to walkways

Sociological, psychological and political studies needed to understand how to change consumer behavior

Need real focus on just transition

Clean energy already cheaper than gas

There is a willingness to find common interest

Hay que calcular los efectos a la salud

Mass transit that works can set you free!

Interesting discussions. Lots of great ideas to consider.

Need more EV Chargers, especially in multifamily homes

We need to learn how to discuss climate change effectively and share stories from communities directly impacted.

Más gasolina barata

There's a huge amount of urgency to translate research into action to protect communities' health and safety now

Energy replacement is a big question.

Doing more research on solar panels/ pros & cons, incentivizing cost of

We need to figure out a way for renewable energy to be affordable and accessible because fossil fuels have too many subsidies

Research may try to do too much

Get rid of plastic. Carbon free appliances. More mass transit use.

Understanding that frontline communities need to be prioritized in the shift

Study zero-carbon liquid fuel technologies. Segregate mobility issues from fuel issues.

They're different but interrelated.

Will there be any incentives or programs for people who want to convert to renewable but can't afford it?

Recognize tradeoffs—renewable energy also needs land

We need a restorative vision

Gas prices should go up, so people can go green

Very worried we are going to chase all the jobs away and we will emulate what happened to Detroit, MI

Community was not invited with time

Barrier for working class to afford the phase out of fossil fuels into new technology

We need stronger laws and enforcement to make the renewables more accountable

Solar on all industrial roofs

Necesitamos apollo

Ways to incentivize the lower socioeconomic class with cleaner energy

Killing off the use of fossil fuels is not the answer

Folks are excluded from this conversation

En vez de reducciones hemos aumentos de producción

Generational vision difference

Fair analysis and real environmental costs of transition

What is the impact of costs to the people who are in the most need

It's all about looking at demand side.

Electrify buildings

Making cleaner energy more affordable to all classes

Need more infrastructure but we need to figure out how to pay for it

Plastics are a factor to consider in fossil fuels discussions

Zero emissions does not necessarily mean fully electric. Gas and coal fired power plants generate electricity.

Need more research! Prove that a reduction in supply will work

Get rid of natural gas

Late notice for this

Electronic panels should be more affordable to all people

We need to focus on demand

There is a divide between those who have aspirational goals and those who want to make sure we also do everything/everyday for better air

Need to identify economic transition plans for communities where the local economy & tax base are dependent on oil industry

Anything missing from guiding principles?

Participant Input

MeetingSift.com - Report Event

Plastics need to be considered
Human touch and sociology
Science-based analysis grounded in IPCC report and existing health studies
Where are we and where are we going?
Environmental costs need to be included in economic analysis
Equitable zoning that allows for the construction of affordable housing that keeps people near place of employment
Fair and equitable path forward
Cement factories
Zero carbon by 2045
Focus on behavioral psychology
Total environmental cost should be included
What are the alternatives?
Health costs need to be included
A plan
Economic impacts on different industries
Carbon sequestration and moving away from plastic
Change needs to happen world wide to have an impact. Not only in California.
I think everything was in order
Economic impact studies and definition of a just transition
Develop a baseline of true costs of FF-based economy, from health to climate crisis events
Translating the results straight into actionable legislation at the state and local level. Tribal nations should be recognized in the guiding principles
considering race and having an honest conversation in context with the historical factors of the community.
Impacts of deliveries from E-commerce (ex. Amazon, UPS, FedEx, Uber)
Science-based timeframe within which we must transition
Maintain local control and individual freedom
Unbiased scientific evaluation; cost benefit analysis
Focus on health of us and the planet, not elimination of fuels.
Delete non fossil in point 5.
Follow up workshop
School friendly education pkg

How can we ensure study results are accessible?

Participant Input

Web

Provide multiple scenarios and approaches

online access

Posting online

Available online.

Having an effective and visually effective web portal

Contract local community based organizations to help outreach to communities

Provide research findings and updates in real time via the website, not just at the end of the study period

Social media, community events, engaging local leaders, infographics, website

Make a video or series.

Make them accessible

Create infographics and one- or two-pagers

Social media, town hall meetings

Send to all mobile phones

Multi language with multi language workshop

Large-scale media/communications plan, especially digital

PR campaign, radio, social media, TV, etc

Partner with school districts and local entities.

Email too

Workshops to roll out with live stream option

Social media.

Sending to stakeholders - trade associations, cities, school districts for distribution

Accessible to non-academics, not policy wonky

Promoting via public access on TV

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Don't rely on technology to reach our communities

A link with an executive summary

More community events. More diverse geographic areas.

Making sure that local CBOs can disseminate the results in a culturally competent way

Outreach to trade organizations, business groups, local government and community groups

Psychology Be a climate hero

Another working group after the study for discussion

Community events

Have a real strategy of community engagement

Community Colllefe forums

Partner with different community groups

Engage at universities

Stream it like Netflix

Community outreach

Dissemination workshops

Making meetings & results available to the community at large. Not a select few. Make the information available in other languages

Using different sources

Recognize indigenous communities guide principles

Write clearly and contextualize the results honestly

Make the study topic very specific and focused on single problem area

Web

Meet with CEOs

Post on website

How can we ensure study results are transformative?

Participant Input

Make legislation binding to the results
Additional workshops
Concrete policy recommendations and plan for implementation
Let the researchers make this decision
Should be practical and sustainable
A one pager fact sheet
Based on wealth of existing data, and also identify and build upon community expertise and experiences
More community input during the study
Making sure conclusions are clear - what is a just transition?
Workshops
Concrete and actionable tasks
Give the community factual not fear based information. Allow them to voice their concerns and needs.
Pay community members to ground truth study results
Have images on Instagram
Come back to us
Have a contest for most transformative new ideas and technologies
Recommendations must be realistic with key models in how to make the transition possible
Evaluate a range of scenarios including fastest possible to reduce emissions and production in line with science and justice
Make a radical shift
Study isn't need to stop new oil and gas permits. Newsom can do that now.
Action-oriented, not academic paper that points to data gaps and need for further studies
Working with business groups who can be part of the solution
Make sure the goals are achievable within a 3 year period and then build on the next goal
I don't see any young people in this room, and they are the ones with transformative climate momentum right now. Engage them.
Make sure the analysis is holistic and relevant.
Take into account everyone's concerns and have a real plan for transitioning

Check in with the public at different stages of the study
 Commit state agencies to follow the results
 To review your report
 Making sure policy makers stay consistent with the study's recommendations
 Link results to action
 Partner with local agencies
 Take action
 Focused on most impacted communities
 Do not appease capitalism
 Emphasis on behavior change
 Use as guidance for policy development
 Social media
 Plan, do, check, act
 Make it Action oriented and grounded in equity
 Have funds to implement the study
 Start by halting new oil and gas permits immediately while the study takes place
 Include more ACTUAL members of the community. Not just those who are opposed of the industry.
 Keep politics and ideology out of the process
 Consider and involve tribal culture keepre
 Teaching seminars to local communities
 Have robots work on it

Moving forward, types of engagement by CalEPA and other State agencies would be helpful?

Participant Input

Email
 Email updates
 Info by radio
 Public meetings of working group
 More workshops with better snacks
 Workshops
 Create more opportunities for community members to attend in person meeting before moving forward.
 Monthly update/newsletter
 Include CA Department of Health
 Subtitles
 Continual update the studying with lessons learned and how to build on successes Text message or social media campaigns with speci c actions items. Asking people to read a report won't get anything done.
 Community group meetings to make more people become aware
 Contact Indigenous Environmental Network
 More meetings in directly affected communities by fossil fuel infrastructure, and include a meaningful process for community expert review
 Perhaps an open webinar open to high school students, college students, and community members
 Community engagement
 Reminder billboards of updates
 Email draft working documents for comment
 Post survey questions online

Engage with CBOs
Share more information
Have workshops available in Spanish
More community meetings in fossil fuel sacrifice zones
Ensure state agencies to show communities how they do their work
More opportunities for dialogue
Public forum just before study completion and after
Training people to reach out to their peers
More information from workforce development about new career pathways
Outreach to our community members via local school outreach
Good job
Educate children to educate their parents

What would have made this meeting more useful to you?

Getting questions in advance

Next steps

- How can we ensure the results of the studies are accessible and transformative?
- What engagement would you like with the process?
- What key questions should we be considering?
- Latest information, including subsequent public meetings:
<https://calepa.ca.gov/climate/carbon-neutrality-studies/>
- **Written comments due November 22, 2019.** E-mail to climatechange@calepa.ca.gov