

Comment 1 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Joseph

Last Name: Williams

Email Address: joew3657@gmail.com

Affiliation:

Subject: 2022 Aultrafine 03 Particulate

Comment:

To consider the fact that aultrafine particle from Vehicle Vapor can and does Harm the lungs in Rats in UC Studies and The at the going rate there no System in Place to Capture Tailpipe particle that enters the Air we Breathe, Something has to Be done , when a Retrofitting System is Available for the Transportation agency to Consider over all the talk elsewhere we must Not Purchase millions of E.V. and think we Have time to Save the atmosphere from CLIMATE CHANGE and GHG,disadvantage communities will not Servive,let's Rethink Our statergy and Retrofit all Cumbuschable Vehicle there's Still time, but now is the time. Thank you J.W.ADVANCED TECHNOLOGY.

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2022-02-16 20:33:19

No Duplicates.

Comment 2 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Erik
Last Name: Santoro
Email Address: esantoro@stanford.edu
Affiliation: Stanford University

Subject: Stanford PhD Student Commenting on State Implementation Plan

Comment:

Dear CA Air Resource Board members,

Thank you for the opportunity to comment on the 2022 State Implementation Plan. I am excited to hear about the proposal for zero-GHG emission space and water heaters.

As someone who has lived in California for nearly my entire adult life, I care very much about the health and well-being of people living in California, and I think zero-GHG emission space and water heaters will go a long way towards ensuring that.

As you know, there are substantial health benefits to removing natural gas from homes and businesses. Gas stoves fill homes with many of the same pollutants contained in car exhaust, leading to air pollution levels in many homes that would be illegal if measured outside. Children are particularly at risk. Kids living in a home with a gas stove are 42% more likely to have asthma, a dangerous health condition that costs Californians more than \$11 billion annually.

There are also important climate benefits to moving away from natural gas. California's homes and buildings are responsible for more than a quarter of the state's greenhouse gas emissions. The latest studies show that building electrification can reduce those emissions up to 90% by 2050. Every time a new home is connected to the gas system, we are expanding the use of gas--a move that is incompatible with limiting warming to 1.5 degrees Celsius, according to a landmark study from the United Nations. To avoid the most catastrophic consequences of climate change, it is necessary to phase out gas in new construction nationwide.

Thank you for your leadership.

Sincerely,
Erik Santoro
Stanford PhD Student

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2022-02-23 18:18:57

No Duplicates.

Comment 3 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Katharine

Last Name: Bierce

Email Address: KBadvocating@gmail.com

Affiliation: California resident

Subject: Please support electrification to help decarbonize buildings

Comment:

Dear CA Air Resource Board members,

Thank you for the opportunity to comment on the 2022 State Implementation Plan. I am excited to hear about the proposal for zero-GHG emission space and water heaters.

I moved to California nine years ago. It used to rain in the fall, around September to March every year. As climate change is causing more severe weather impacts, there are more fires in the fall, making air quality honestly really crappy sometimes. It makes me want to consider moving away from California, even though I have a community and a great job here.

We need to do all we can to improve air quality and that means fighting climate change.

There are important climate benefits to moving away from natural gas. California's homes and buildings are responsible for more than a quarter of the state's greenhouse gas emissions. The latest studies show that building electrification can reduce those emissions up to 90% by 2050. Every time a new home is connected to the gas system, we are expanding the use of gas--a move that is incompatible with limiting warming to 1.5 degrees Celsius, according to a landmark study from the United Nations. To avoid the most catastrophic consequences of climate change, it is necessary to phase out gas in new construction nationwide.

But that's not all. There are substantial health benefits to removing natural gas from homes and businesses. Gas stoves fill homes with many of the same pollutants contained in car exhaust, leading to air pollution levels in many homes that would be illegal if measured outside. Children are particularly at risk. Kids living in a home with a gas stove are 42% more likely to have asthma, a dangerous health condition that costs Californians more than \$11 billion annually.

Gas appliances release harmful pollutants like NOx that endangers human health and the environment. All major gas appliances in our homes have zero-emission counterparts on the market: heat pump water heaters, air source heat pumps, induction cooktops, and electric dryers. Replacing gas furnaces with electric heat pumps also adds air conditioning, since heat pumps can both heat and cool buildings. Upgrading homes with air conditioning (which cools and filters air) helps protect vulnerable populations from extreme heat events and poor air quality during wildfire season. I recognize that this transition will be complicated and ask that we plan for

an equitable, affordable transition to zero-GHG emission appliances.

Thank you for your leadership.

Sincerely,

Katharine Bierce

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2022-02-23 18:19:53

No Duplicates.

Comment 4 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Laura

Last Name: Malchow-Hay

Email Address: lauramalch@aol.com

Affiliation: SF/Bay Area Sierra Club

Subject: Support strong equitable building decarbonization!

Comment:

Dear CA Air Resource Board members,

Thank you for the opportunity to comment on the 2022 State Implementation Plan. I am excited to hear about the proposal for zero-GHG emission space and water heaters.

As an asthma sufferer, I am concerned about the health risks associated with gas burning appliances. Burning gas in our homes releases dangerous toxins such as nitrogen dioxide, carbon monoxide, and ultrafine particles that impact our hearts and lungs. Health studies from Johns Hopkins and other researchers have found strong links between homes with gas stoves and childhood asthma. By moving to all-electric construction, it will decrease the instances of asthma for children, and Californians will have healthier lives.

As you know, there are substantial health benefits to removing natural gas from homes and businesses. Gas stoves fill homes with many of the same pollutants contained in car exhaust, leading to air pollution levels in many homes that would be illegal if measured outside. Children are particularly at risk. Kids living in a home with a gas stove are 42% more likely to have asthma, a dangerous health condition that costs Californians more than \$11 billion annually.

Gas appliances release harmful pollutants like NOx that endangers human health and the environment. All major gas appliances in our homes have zero-emission counterparts on the market: heat pump water heaters, air source heat pumps, induction cooktops, and electric dryers. Replacing gas furnaces with electric heat pumps also adds air conditioning, since heat pumps can both heat and cool buildings. Upgrading homes with air conditioning (which cools and filters air) helps protect vulnerable populations from extreme heat events and poor air quality during wildfire season. I recognize that this transition will be complicated and ask that we plan for an equitable, affordable transition to zero-GHG emission appliances.

Finally, there are important climate benefits to moving away from natural gas. California's homes and buildings are responsible for more than a quarter of the state's greenhouse gas emissions. The latest studies show that building electrification can reduce those emissions up to 90% by 2050. Every time a new home is connected to the gas system, we are expanding the use of gas--a move that is incompatible with limiting warming to 1.5 degrees Celsius,

according to a landmark study from the United Nations. To avoid the most catastrophic consequences of climate change, it is necessary to phase out gas in new construction nationwide.

Thank you for your leadership.

Sincerely,
Laura Malchow-Hay

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2022-02-23 18:21:01

No Duplicates.

Comment 5 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Joshua

Last Name: Warner

Email Address: joshuawarner32@gmail.com

Affiliation:

Subject: Support building decarbonization and reduce rates of childhood asthma

Comment:

Dear CA Air Resource Board members,

Thank you for the opportunity to comment on the 2022 State Implementation Plan. I am excited to hear about the proposal for zero-GHG emission space and water heaters.

I grew up mostly with an electric stove in the house, and my sister (10 years younger) grew up with a gas stove in the house.

She has asthma; I don't.

I can't say with certainty that the stove is what did it - but studies and statistics show that's a strong possibility.

I don't want to see other kids fight asthma. It's not fun. And in some cases, downright scary.

I remember a few times she had trouble breathing at school, and my mom had to go pick her up, bring her home, and hold her until she calmed down.

Then, I didn't know what I could do.

Now I do.

As you know, there are substantial health benefits to removing natural gas from homes and businesses. Gas stoves fill homes with many of the same pollutants contained in car exhaust, leading to air pollution levels in many homes that would be illegal if measured outside. Children are particularly at risk. Kids living in a home with a gas stove are 42% more likely to have asthma, a dangerous health condition that costs Californians more than \$11 billion annually.

Thank you for your leadership.

Sincerely,
Josh

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2022-02-23 18:41:52

No Duplicates.

Comment 6 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: O

Last Name: Mandrusow

Email Address: mandrusow@gmail.com

Affiliation:

Subject: SUPPORT zero-GHG emission space and water heaters

Comment:

Dear California Air Resource Board members,

My biggest fear is the climate crisis. Like many others, I have a tremendous amount of anxiety and depression thinking about the ugly consequences. It is everyone's moral and ethical duty to do everything possible to avert climate catastrophe.

As your "Draft 2022 State Strategy for the State Implementation Plan January 31, 2022" states on Pages 27 and 86, homes and buildings release about 5% of statewide NOx emissions. Electric appliances powered by renewables such as wind and solar have zero emissions. Additionally, removing natural gas from homes and businesses creates healthier air. Gas stoves fill homes with many of the same pollutants contained in car exhaust, leading to air pollution levels in many homes that would be illegal if measured outside. Children and frail elderly are particularly at risk. Kids living in a home with a gas stove are 42% more likely to have asthma, a dangerous health condition that costs Californians more than \$11 billion annually.

Please assist in decarbonizing homes and buildings by regulating space and water heaters. And please promote electrification of new and existing buildings in a way that prioritizes environmental justice communities.

Thank you for your leadership.

Sincerely,
Olga Mandrusow

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2022-02-23 19:04:26

No Duplicates.

Comment 7 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: SEAN

Last Name: EDGAR

Email Address: SEAN@CLEANFLEETS.NET

Affiliation:

Subject: WSTA Comments on SIP-ACF-Zero Emissions Truck Measure

Comment:

Please review, consider, and respond to the attachment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/7-draft2022statesip-ws-WzJQIgdjU21XDgMx.pdf>

Original File Name: Item 22-3-6 SIP WSTA Comments and Attachment 2-23-22.pdf

Date and Time Comment Was Submitted: 2022-02-23 22:30:11

No Duplicates.

Comment 8 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: David

Last Name: Pedersen

Email Address: djtpedersen@gmail.com

Affiliation: Student, Thompson Rivers University

Subject: Re: Item 22-3-6: 2022 State Strategy for the State Implementation Plan (SIP)

Comment:

Thank you for the opportunity to comment. Having been a clean-air activist for the past two years, I am delighted to hear that the Board is considering a regulation requiring that "100 percent of sales of new space and water heaters meet a zero-emission standard by 2030", as these appliances are significant sources of both climate and criteria-air pollutants.

I also respectfully request that the Board and/or its staff consider expanding the proposed rule to prohibit the sale and installation of wood-burning appliances as well, including outdoor/recreational devices such as manufactured fire pits, burn barrels, chimineas, and smokers.

Air pollution is something that we must not compromise on, and so we need to do everything we can to make it as cleaner as possible. Building electrification is a key stepping stone on that path.

Thank you again and take care.

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2022-02-23 22:40:30

No Duplicates.

Comment 9 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Leah

Last Name: Elkins

Email Address: leahelkins@gmail.com

Affiliation:

Subject: Building Decarbonization

Comment:

I support CARB's proposal to require 100 percent of sales of new space and water heaters to meet a zero-emission emission standard by 2030. This is a crucial landmark step in creating clean, all-electric housing that cuts GHG emissions and NOx pollution. It will save lives as well as help meet our climate goals! Please include it in the 2022 SIP.

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2022-02-23 22:47:17

No Duplicates.

Comment 10 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Jim
Last Name: Kennedy
Email Address: jim@healthyairalliance.org
Affiliation: Healthy Air Alliance

Subject: 2022 State SIP Strategy

Comment:

Please see the letter attached.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/10-draft2022statesip-ws-Vj5RNgdnUFwBdwVw.pdf>

Original File Name: HAA Public Comment – SIP 3.04.22.pdf

Date and Time Comment Was Submitted: 2022-03-04 09:10:08

No Duplicates.

**Comment 11 for Informal Public Comments on the Draft 2022 State SIP
Strategy (draft2022statesip-ws) - 1st Workshop.**

First Name: Ray
Last Name: Pingle
Email Address: Ray_Pingle@msn.com
Affiliation: Sierra Club California

Subject: ACF Comments on Truck Retirement Requirement in SIP
Comment:

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/11-draft2022statesip-ws-VDVdOF06BwtSNwZp.pdf>

Original File Name: ACF Coalition Comments on Truck Retirement Requirement in SIP 3-4-22.pdf

Date and Time Comment Was Submitted: 2022-03-04 09:13:00

No Duplicates.

Comment 12 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Richard

Last Name: Havenick

Email Address: havenick@cox.net

Affiliation:

Subject: Comments Submittal RE 2022 State Implementation Plan January 31, 2022

Comment:

<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">Ariel Fideldy, Manager</p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">Austin Hicks, Air Pollution Specialist</p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">California Air Resources Board </p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">1001 I Street</p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">Sacramento, California 95814 </p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">

white-space: normal; widows: auto; word-spacing: 0px;
-webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px;
text-decoration: none;">(electronic submittal at
<https://ww2.arb.ca.gov/applications/public-comments#COMM2>

<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">California Air Resources Board)</p>

<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;"> </p>

<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;"> Comments Submittal RE
2022 State Strategy for the State Implementation Plan January 31, 2022</p>

<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;"> </p>

<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">I appreciate the great work by the CARB and
request your consideration of the Revision Recommendations and
Suggestions below.</p>

<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;"> </p>

<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px;

-webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px;
text-decoration: none;">>Revision Recommendations</p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">> </p>
<p class="MsoListParagraph" style="margin-left: .25in; mso-add-space: auto; text-indent: -.25in; mso-list: 10 level1 lfol;"><!-- [if !supportLists]-->1. <!--[endif]-->Please
include in Appendix A Economic Analysis or elsewhere
the estimation/projection of potential economic gain that would
likely result from implementation of advanced technologies beyond
considering only the costs and costs savings associated with the
respective Strategy measures. The design, development,
procurement, distribution, and implementation of new technologies
likely results in economic gain for profit-motivated entities
involved in technology advancements. For example,
transition to zero emission equipment represents opportunities for
significant employment gains and return on investment in all phases
of the transition from design through certification and
operation.</p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">> </p>
<p class="MsoListParagraphCxSpFirst" style="margin-left: .25in; mso-add-space: auto; text-indent: -.25in; mso-list: 10 level1 lfol;"><!-- [if !supportLists]-->2. <!--[endif]-->Please
consider the disincentivizing of natural gas heavy duty trucks due
to the continued release of methane associated with natural gas
production, transport, storage, and use. The ARB is well
familiar with the harmful climate effects of methane (more than 80
times more potent than carbon) and of the increasing damage from
climate change compared to the potential reduction in NOx that
might be gained with the transition from diesel to natural gas in
heavy duty trucks.</p>
<p class="MsoListParagraphCxSpMiddle" style="margin: 0in 0in 0.0001pt 0.5in; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">> </p>
<p class="MsoListParagraphCxSpLast" style="margin-left: .25in;

mso-add-space: auto; text-indent: -.25in; mso-list: 10 level1
lfol;"><!-- [if !supportLists]-->3. <!--[endif]-->Please
consider limiting further regulatory actions for Ocean Going
Vessels only to those intended to achieve zero emission by 2030 and
the specific mitigations to reduce at-anchor emissions in the
immediate term. The CARB is appreciated for both
the Vessel Clean Fuel Regulation and the At Berth
Regulation and, as ships are the greatest source of
pollution from port operations, the two CARB OGV regulations
resulted in the greatest reduction in Port emissions of all actions
to date. I thank the CARB and recognize that recent and
key environmental declarations compel the CARB to continue the OGV
emission reduction success in partnership with others as very
significant cooperative opportunities now exist. </p>

The October 2021 US commitment to the
Clydebank Declaration (six zero emission corridors by mid-decade),
the November 2021 City of Los Angeles Resolution calling for the
transition to 100% Zero Emission shipping at the Port of Los
Angeles by 2030, and the January 2022 C40 Cities (including Ports
of Los Angeles and Shanghai) requiring low, ultra-low, and zero
carbon fueled ships through the 2020s with zero carbon
trans-Pacific container ships by 2030 are critically significant
actions that compel the CARB to quickly define the plan to help
achieve zero emission shipping by 2030. </p>

Of great urgency and importance, I ask that
the CARB participate in the C40 Cities meetings in process to
define their plan due by year end 2022 to achieve Zero Emission
shipping by 2030.</p>

evaluation of new OGV technologies in development must be largely
focused on those that achieve zero emission as batteries and fuel
cells and the evaluation of cleaner fuels must be focused on those
derived from 100% renewable sources as hydro, solar, and wind
(e.g., hydrogen produced through solar).</p>

<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; text-decoration: underline;">The
evaluation of new OGV technologies in development must be largely
focused on those that achieve zero emission as batteries and fuel
cells and the evaluation of cleaner fuels must be focused on those
derived from 100% renewable sources as hydro, solar, and wind
(e.g., hydrogen produced through solar).</p>

-webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px;
text-decoration: none;">>Suggestions</p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">> </p>
<p class="MsoListParagraphCxSpFirst" style="margin-left: .25in; mso-add-space: auto; text-indent: -.25in; mso-list: l1 level1 lfo2;"><!-- [if !supportLists]-->· <!--[endif]-->I
strongly encourage the Strategy of advocacy and “call to action” by the federal government (reference Figure 5) for key reasons including the encouragement of more standardized, national approaches (both procedures and equipment), leveling of competitive interests across the US, and to more likely ensure the success of ARB measures in light of potential resistance from entities that might claim federal preemption or other efforts to undermine regulatory action.</p>
<p class="MsoListParagraphCxSpMiddle" style="mso-margin-top-alt: auto; mso-margin-bottom-alt: auto; margin-left: .25in; mso-add-space: auto; text-indent: -.25in; mso-list: l1 level1 lfo2;"><!-- [if !supportLists]-->· <!--[endif]-->I
ask that the CARB proceed urgently with our US Executive Administration to advocate that the US EPA enable state leadership on zero-emission trucks by prioritizing federal grants toward zero-emission technology and associated infrastructure. </p>
<p class="MsoListParagraphCxSpMiddle" style="margin-left: .25in; mso-add-space: auto; text-indent: -.25in; mso-list: l1 level1 lfo2;"><!-- [if !supportLists]-->· <!--[endif]-->Please
also proceed with great urgency as planned in Chapter 5, Zero-Emission Trucks measure, to support local zero-emission zones and/or differentiated registration fees (higher rates for dirtier trucks while zero-emission trucks receive consistent source of incentive funding) and to phase in the registration requirements defined in Chapter 5 applicable to Drayage trucks. </p>
<p class="MsoListParagraphCxSpMiddle" style="margin-left: .25in; mso-add-space: auto; text-indent: -.25in; mso-list: l1 level1 lfo2;"><!-- [if !supportLists]-->

Symbol;">· <!--[endif]-->Please proceed with great urgency in implementation and encouragement of market signal tools to drive the transition to zero-emissions zones as soon as possible and by 2035.</p><p class="MsoListParagraphCxSpMiddle" style="margin-left: .25in; mso-add-space: auto; text-indent: -.25in; mso-list: 11 level1 lfo2;"><!-- [if !supportLists]-->· <!--[endif]-->Please advocate in the immediate term at the federal and international levels to achieve additional emissions reductions from OGVs.</p><p class="MsoListParagraphCxSpMiddle" style="mso-margin-top-alt: auto; mso-margin-bottom-alt: auto; margin-left: .25in; mso-add-space: auto; text-indent: -.25in; mso-list: 11 level1 lfo2;"><!-- [if !supportLists]-->· <!--[endif]-->Please ensure the timeliness of the Vessels at Anchor Evaluation and delivery of the public report by December 1, 2022. </p><p class="MsoListParagraphCxSpLast" style="mso-margin-top-alt: auto; mso-margin-bottom-alt: auto; margin-left: .25in; mso-add-space: auto; text-indent: -.25in; mso-list: 11 level1 lfo2;"><!-- [if !supportLists]-->· <!--[endif]-->Please pursue regulatory measures to achieve further emissions reductions from OGVs such as cleaner technologies than those required by US EPA and the IMO and that are consistent with the goal to achieve Zero Emission shipping by 2030.</p><p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">Thank you,</p><p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;"> </p><p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">

color: #000000; font-style: normal; font-variant-caps: normal;
font-weight: normal; letter-spacing: normal; orphans: auto;
text-align: start; text-indent: 0px; text-transform: none;
white-space: normal; widows: auto; word-spacing: 0px;
-webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px;
text-decoration: none;"> </p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">Richard Havenick</p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">>3641 South Parker Street</p>
<p class="MsoNormal" style="margin: 0in 0in 0.0001pt; font-size: medium; font-family: Calibri, sans-serif; caret-color: #000000; color: #000000; font-style: normal; font-variant-caps: normal; font-weight: normal; letter-spacing: normal; orphans: auto; text-align: start; text-indent: 0px; text-transform: none; white-space: normal; widows: auto; word-spacing: 0px; -webkit-text-size-adjust: auto; -webkit-text-stroke-width: 0px; text-decoration: none;">>San Pedro CA 90731</p>
<p></p>
<p class="MsoNormal" style="font-size: medium;">>310 832 8070;
havenick@cox.net</p>

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/12-draft2022statesip-ws-WjIBZlEmAjQHbwNq.pdf>

Original File Name: Havenick CARB 2022 SIP Comments.pdf

Date and Time Comment Was Submitted: 2022-03-04 09:13:56

No Duplicates.

Comment 13 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Jim
Last Name: Verburg
Email Address: jverburg@wspa.org
Affiliation: WSPA

Subject: WSPA Comments on 2022 State SIP Strategy

Comment:

Good afternoon:

Please see the attached comment letter from WSPA, regarding the WSPA Comments on 2022 State SIP Strategy.

If you have any questions or would like additional information, please feel free to contact Jessica Spiegel.

Jim Verburg, Sr. Manager, Fuels
jverburg@wspa.org
c: 360.296.0692

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/13-draft2022statesip-ws-AHdVIAR1BTdQCQZl.zip>

Original File Name: WSPA Comments on 2022 State SIP Strategy 03_04_2022.zip

Date and Time Comment Was Submitted: 2022-03-04 11:59:29

No Duplicates.

Comment 14 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: William
Last Name: Barrett
Email Address: william.barrett@lung.org
Affiliation: American Lung Association

Subject: American Lung Association comments in re: Draft 2022 SIP
Comment:

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/14-draft2022statesip-ws-BWIUJwFuBTEHXlAx.pdf>

Original File Name: Lung Association in re 2022 SIP.pdf

Date and Time Comment Was Submitted: 2022-03-04 12:47:10

No Duplicates.

Comment 15 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Michael

Last Name: Walz

Email Address: shayla@caliberstrat.com

Affiliation: POET, LLC

Subject: POET Comments to Draft 2022 State SIP Strategy

Comment:

Please see attached POET's comments to Draft 2022 State SIP Strategy. Please let me know if you have trouble opening the attachment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/15-draft2022statesip-ws-BzdcaVxzAGNVZwYo.pdf>

Original File Name: 03.04.2022 POET Comments 2022 Draft SIP.pdf

Date and Time Comment Was Submitted: 2022-03-04 12:33:26

No Duplicates.

Comment 16 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Kiki

Last Name: Velez

Email Address: kvelez@nrdc.org

Affiliation:

Subject: NRDC, BEI, AEA, Earthjustice, RMI, Sierra Club, NBI Letter on SIP Appliance Standard

Comment:

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/16-draft2022statesip-ws-VjgCdlM2BDRQCVI4.pdf>

Original File Name: NRDC Joint SIP Letter 3-4-22.pdf

Date and Time Comment Was Submitted: 2022-03-04 13:58:55

No Duplicates.

Comment 17 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Jane

Last Name: Sellen

Email Address: jane@pesticidereform.org

Affiliation: Californians for Pesticide Reform

Subject: Include pesticides in SIP strategies

Comment:

<p>Sign on letter with 50 signatories attached.</p>

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/17-draft2022statesip-ws-VDJRPIY5VGZRO1MM.pdf>

Original File Name: FINAL 2022 SIP comments sign on letter March 2022.pdf

Date and Time Comment Was Submitted: 2022-03-04 13:30:40

No Duplicates.

Comment 18 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Matt

Last Name: Thornblad

Email Address: MATTHEW.THORNBLAD@RHEEM.COM

Affiliation:

Subject: Rheem Manufacturing Company 2022 SIP Strategy Comments

Comment:

Rheem Manufacturing Company Comments CARB 2022 SIP Strategy

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/18-draft2022statesip-ws-ViRdM1UxWW8KYQVa.pdf>

Original File Name: Rheem Comments on CARB 2022 SIP Strategy_03_4_22.pdf

Date and Time Comment Was Submitted: 2022-03-04 14:18:50

No Duplicates.

**Comment 19 for Informal Public Comments on the Draft 2022 State SIP
Strategy (draft2022statesip-ws) - 1st Workshop.**

First Name: Ben
Last Name: Granholm
Email Address: ben@westernpga.org
Affiliation: Western Propane Gas Association

Subject: WPGA Comments 2022 SIP

Comment:

See attached

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/19-draft2022statesip-ws-UiUBdwdhVWcGXwFi.pdf>

Original File Name: WPGA Comments RE 2022 SIP 3.4.22.pdf

Date and Time Comment Was Submitted: 2022-03-04 14:31:32

No Duplicates.

Comment 20 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Daniel

Last Name: Barad

Email Address: daniel.barad@sierraclub.org

Affiliation: Sierra Club California

Subject: Sierra Club California State Implementation Plan Comments

Comment:

<p>Please see attached comments.</p>

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/20-draft2022statesip-ws-AnEHYgNhV1sFcAdu.pdf>

Original File Name: SCC SIP Letter 03.04.2022.pdf

Date and Time Comment Was Submitted: 2022-03-04 14:42:30

No Duplicates.

Comment 21 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Daniel

Last Name: Barad

Email Address: daniel.barad@sierraclub.org

Affiliation: Sierra Club California

Subject: Sierra Club California State Implementation Plan Comments

Comment:

<p>Please see attached comments.</p>

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/21-draft2022statesip-ws-WiLUMQFjUV0Hcglg.pdf>

Original File Name: SCC SIP Letter 03.04.2022.pdf

Date and Time Comment Was Submitted: 2022-03-04 14:42:30

No Duplicates.

Comment 22 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Joshua
Last Name: Greene
Email Address: moly@caliberstrat.com
Affiliation: A. O. Smith

Subject: A.O. Smith Comments to Draft 2022 State Strategy for the SIP
Comment:

Please find attached A.O. Smith's comments to the Draft 2022 State SIP. Let me know if you have issues with opening the attachment.

Thank you.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/22-draft2022statesip-ws-W2sANVxzAGMBMwMt.pdf>

Original File Name: 03.04.2022 AO Smith Comments to 2022 Draft SIP Final.pdf

Date and Time Comment Was Submitted: 2022-03-04 14:44:12

No Duplicates.

Comment 23 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Matthew

Last Name: Padilla

Email Address: matthew.arms@polb.com

Affiliation:

Subject: Port of Long Beach Comments on the Draft 2022 State Strategy for the State Implementation

Comment:

Good afternoon,

Attached are the Port of Long Beach Comments on the Draft 2022 State Strategy for the State Implementation Plan.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/23-draft2022statesip-ws-ADIBN1BjVTQFM1Bj.pdf>

Original File Name: 20220304_POLB Comments on the Draft 2022 State SIP Strategy_MC.pdf

Date and Time Comment Was Submitted: 2022-03-04 14:52:12

No Duplicates.

Comment 24 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Jane

Last Name: Sellen

Email Address: jane@pesticidereform.org

Affiliation: Californians for Pesticide Reform

Subject: Include pesticide ROG emissions in the SIP strategies

Comment:

<p>Sign on letter with 50 signatories attached. Please replace the earlier letter which was missing two signatories. I apologize for the inconvenience. </p>

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/24-draft2022statesip-ws-BmACbVc4VWcFbwZZ.pdf>

Original File Name: FINAL 2022 SIP comments sign on letter March 2022.pdf

Date and Time Comment Was Submitted: 2022-03-04 15:26:08

No Duplicates.

Comment 25 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Chris

Last Name: Bliley

Email Address: cbliley@growthenergy.org

Affiliation:

Subject: Growth Energy Comment

Comment:

Please see the attached comment from Growth Energy. Thanks in advance for your consideration.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/25-draft2022statesip-ws-VzQAZ1UmVGUDYQR2.pdf>

Original File Name: CARBDraftSIP03042022Final.pdf

Date and Time Comment Was Submitted: 2022-03-04 15:28:27

No Duplicates.

Comment 26 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Teresa

Last Name: Bui

Email Address: tbui@pacificenvironment.org

Affiliation: Pacific Environment

Subject: Environmental group joint comment letter on 2022 SIP Strategy

Comment:

Please see the attached comment letter. Thank you for your consideration.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/26-draft2022statesip-ws-B2RSNQd0V2YGXwJx.pdf>

Original File Name: CARB SIP 2022 joint comments 3.4.2022.pdf

Date and Time Comment Was Submitted: 2022-03-04 15:52:25

No Duplicates.

Comment 27 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Evelyn

Last Name: Loya

Email Address: eloya@socalgas.com

Affiliation: SoCalGas Company

Subject: SoCalGas Comments on the Draft 2022 State SIP Strategy

Comment:

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/28-draft2022statesip-ws-VCcCa1EzUmXPVA3.pdf>

Original File Name: SoCalGas Comments on Draft 2022 State SIP Strategy.pdf

Date and Time Comment Was Submitted: 2022-03-04 16:36:01

No Duplicates.

Comment 28 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Nicole

Last Name: Rice

Email Address: nicolerice@cnvgvc.org

Affiliation:

Subject: Comments on Draft 2022 State SIP Strategy

Comment:

See attached.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/29-draft2022statesip-ws-UTIGbgZgWXxSN1QL.pdf>

Original File Name: CNGVC Comment Letter on Draft 2022 SIP 030422.pdf

Date and Time Comment Was Submitted: 2022-03-08 08:30:07

No Duplicates.

**Comment 29 for Informal Public Comments on the Draft 2022 State SIP
Strategy (draft2022statesip-ws) - 1st Workshop.**

First Name: Jennifer

Last Name: Privett

Email Address: JBPO@pge.com

Affiliation:

Subject: Comments on CARB's Draft 2022 State Strategy for the State Implementation Strategy

Comment:

See attached.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/30-draft2022statesip-ws-AHBcPVw4BAgFYFU6.pdf>

Original File Name: pge_comments.pdf

Date and Time Comment Was Submitted: 2022-03-08 08:30:07

No Duplicates.

**Comment 30 for Informal Public Comments on the Draft 2022 State SIP
Strategy (draft2022statesip-ws) - 1st Workshop.**

First Name: Theresa

Last Name: Romanosky

Email Address: tromanosky@aar.org

Affiliation:

Subject: Comments

Comment:

See attached.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/32-draft2022statesip-ws-AmMBZlQnWGgFbFA9.pdf>

Original File Name: AARcomments.pdf

Date and Time Comment Was Submitted: 2022-03-08 08:30:07

No Duplicates.

Comment 31 for Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) - 1st Workshop.

First Name: Ignacio

Last Name: Fernandez

Email Address: Ignacio.M.Fernandez@sce.com

Affiliation: Southern California Edison

Subject: Comment submission for the 2022 SIP workshop

Comment:

See attached.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach/33-draft2022statesip-ws-AXJdOAdjWVUGYwNs.pdf>

Original File Name: SCE_comments_Draft_2022_SIP.pdf

Date and Time Comment Was Submitted: 2022-03-08 11:30:41

No Duplicates.

There are no comments posted to Informal Public Comments on the Draft 2022 State SIP Strategy (draft2022statesip-ws) that were presented during the Workshop at this time.