

## **Comment 1 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: David

Last Name: Tanner

Email Address: dave@earsi.com

Affiliation:

Subject: Recommended Early Action Measure

Comment:

As the President of Environmental & Regulatory Specialists, Inc. (EARSi), located in Newport Beach, California, I suggest adding a measure requiring all new projects subject to the California Environmental Quality Act (CEQA) to conform with the provisions of AB32. The Calif. Attorney General and others have taken the position that this is a requirement. See ([http://www.yubanet.com/artman/publish/article\\_54739.shtml](http://www.yubanet.com/artman/publish/article_54739.shtml))

By including this requirement, new development must implement all feasible mitigation measures to demonstrate compliance with AB32 or the lead agency for the project must adopt finding of overriding considerations pursuant to CEQA.

Without this early action item, State guidance will not be forthcoming until 20011/2 at the earliest, based on ARB's published implementation timeline.

EARSi offers CEQA Greenhouse Gas Analysis and Reduction Services. This is mentioned to demonstrate the feasibility of this request.

Arguably, this recommendation could be the largest single greenhouse gas reduction Early Action Measure being considered.

Feel free to contact me with questions.

Dave

[www.earsi.com](http://www.earsi.com)

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-05-23 19:15:48

No Duplicates.

**Comment 2 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Daniel

Last Name: Mitchel

Email Address: dmitchel@library.ca.gov

Affiliation:

Subject: Early Action Measures--Low Carbon Fuel study

Comment:

Just an alert that the University of California Energy Institute at Berkeley has published a study on the possible outcome of a Low Carbon Fuel mandate.

Here is a link to their study:

<http://www.ucei.berkeley.edu/PDF/csemwp167.pdf>

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-05-24 11:34:08

No Duplicates.

### **Comment 3 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Robert

Last Name: Lowry

Email Address: rglowry2@att.net

Affiliation: member of fire suppression industry

Subject: Comments on Group 2 - Additional GHG Reduction Measures - 2-10

Comment:

Thank you for taking a moment to consider my concerns regarding the "Replacement of high global warming potential (GWP) gases used in fire protection systems with alternate chemical(s)." I feel the ARB has only heard one side of this issue, and that the overall value of HFC's for fire suppression are being greatly understated.

HFC's are firstly the best performing clean fire suppression products available on the market today. Their transition to vapor for effective three dimensional fire suppression is unmatched by any other products on the market today. Fluids and inert agents are not as effective as fire fighting products for delicate electronics and critical processes because they either take longer to contain a fire event, or they do not "flash to a vapor" with the necessary certainty that is required for a clean fire suppression product. Performance is measured in speed of extinguishment and the ability to penetrate a fire as a three dimensional product. HFC's are easily the most effective from the performance standpoint, and we have more than 13 years of experience to prove this.

Secondly, HFC's in fire suppression are inherently a non-emissive product. They are released when a fire event requires their use, which is rare. HFC's are initially filled at UL Listed facilities and they remain intact in most cases for a lifetime. They are present to protect critical assets, equipment and processes, and are used because of their excellent performance and life safety attributes. To remove them from use for fire suppression on the hope of lessening GHG emissions is like saying you would reduce the amount of water in the ocean by taking out a thimble full of water. This action will not impact the desirable goal of reducing GHG emissions.

On the contrary, eliminating HFC's will result in fewer systems being installed to protect valuable equipment and processes, and will also result in higher costs for individuals and organizations that do install these types of systems (to reduce or minimize the risk of a catastrophic fire event).

Other organizations and entities have already trumpeted the positive steps taken by member organizations within the fire suppression industry to limit accidental discharges, and to demonstrate outstanding product stewardship as it relates to potential environmental impact. I will therefore let their comments speak for themselves and close with one final, critical

point.

A well known chemical manufacturer stands to reap great commercial gain if HFC's are eliminated. The product that this manufacturer espouses to be the "great environmental answer" for fire suppression has a very limited history in this industry, and there is little data available to show its effectiveness as a fire suppression alternative. You cannot minimize the effect this decision will have on the industry as a whole when you consider that there is only one manufacturer of this product, and by the elimination of HFC's, will allow this manufacturer to reap excessive profits due to a lack of competition. We are already seeing this in the California marketplace with the publishing of the April 20th document, and it will only get worse in the coming weeks if this action is pursued.

HFC's are the best performing fire suppression products on the market; they are non-emissive and provide no measurable impact to the atmosphere; they have an unparalleled track record as an effective fire fighting product that is essential for critical services and industries; they contribute greatly to a free market economy because they are manufactured by more than one manufacturer; and they are an excellent example of how an overall industry has taken measures (apart from legislation) to promote responsible product stewardship.

By continuing to pursue this item the ARB will only be penalizing California businesses and organizations, and will be allowing a manufacturer with patent rights to the only other viable product to reap excessive gain.

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-05-25 00:11:08

No Duplicates.

**Comment 4 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Jimmie

Last Name: Beasley

Email Address: jimbeasley@sbcglobal.net

Affiliation:

Subject: Form Letter #1

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/4-ab32eam07-1.pdf'

Original File Name: ab32eam07-1.pdf

Date and Time Comment Was Submitted: 2007-05-29 13:45:19

No Duplicates.

**Comment 5 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Robert

Last Name: Lucas

Email Address: Non-web submitted comment

Affiliation: CCEEB

Subject: Comments on Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/5-ab32eam07-5.pdf'

Original File Name: ab32eam07-5.pdf

Date and Time Comment Was Submitted: 2007-05-29 14:08:27

No Duplicates.

**Comment 6 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Scott

Last Name: Smithline

Email Address: Non-web submitted comment

Affiliation: Californians Against Waste

Subject: Ideas & Suggestions for Technologies to Reduce Climate Change Emissions in CA  
Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/8-ab32eam07-6.pdf'

Original File Name: ab32eam07-6.pdf

Date and Time Comment Was Submitted: 2007-06-08 15:31:14

No Duplicates.

**Comment 7 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Dick

Last Name: Ackerman

Email Address: SENATOR.ACKERMAN@SEN.CA.GOV

Affiliation: Senator, 33rd District

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/9-ab32eam07-7.pdf'

Original File Name: ab32eam07-7.pdf

Date and Time Comment Was Submitted: 2007-06-08 15:33:57

No Duplicates.

**Comment 8 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Nicole

Last Name: Parra

Email Address: Non-web submitted comment

Affiliation: Assemblywoman, 30th District

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/10-ab32eam07-8.pdf'

Original File Name: ab32eam07-8.pdf

Date and Time Comment Was Submitted: 2007-06-08 15:35:43

No Duplicates.

## **Comment 9 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Kurt

Last Name: Werner

Email Address: ktwerner@mmm.com

Affiliation: 3M

Subject: Environmental Justice Advisory Committee recommendations related to fire suppression

Comment:

I agree with the Environmental Justice Advisory Committee's recommendation that this sector should be proposed and developed. However, I want to specifically address the comments that accompanied the committee's recommendation. Those comments were as follows:

1. The question of the toxicity of the alternatives is important and lingering and must be addressed before adopting such a regulation.
2. We urge ARB to undertake a complete life cycle analysis of any proposed substitutes.

Recognizing that a variety of substitute technologies exist that can enable reductions in greenhouse gases from the fire protection sector, and the recommendations do not specifically call out an agent of concern, I would like to comment on these points with respect to Novec 1230 fluid.

With regard to these comments, please consider that Novec 1230 fluid is not new and that it is sold into a highly regulated market. Novec 1230 fluid has been a commercial product globally for the past 5 years. Its health and environmental impact has been reviewed by numerous global regulatory bodies including the U.S. EPA. In fact, two different branches of EPA have reviewed and approved the use of Novec 1230 fluid as a fire suppression agent. Because Novec 1230 fluid is a novel chemistry, a pre-manufacture notice was submitted and reviewed by the U.S. EPA Office of Pollution Prevention and Toxics. In addition, because Novec 1230 fluid has been commercialized as a replacement for an ozone depleting substance, its environmental, health and safety impact have been reviewed by the Significant New Alternatives Policy Program in the Office of Stratospheric Protection. The review by these two separate branches of U.S. EPA thoroughly addressed the toxicity of Novec 1230 fluid in its intended application and addressed its life cycle impact. Please also consider that similar reviews have been conducted in many other jurisdictions around the world including the EU, UK, France, Germany, Canada, Korea, Japan, and Australia to name a few. Below, I have highlighted text from the 2002 EPA SNAP approval of Novec 1230 that specifically addresses the issue of safety and life cycle impact relative to alternative technologies:

"EPA has reviewed the potential environmental impacts of this

substitute and has concluded that, by comparison to halon 1301 and other acceptable substitutes, C6-perfluoroketone significantly reduces overall risk to the environment..... C6-perfluoroketone provides an improvement over use of halon 1301, hydrochlorofluorocarbons (HCFCs) and hydrofluorocarbons (HFCs) in fire protection. We find that C6-perfluoroketone is acceptable because it reduces overall risk to public health and the environment in the end use listed."

It is also important to understand that this sector is also regulated by standards organizations and approval bodies such as NFPA, ISO, FM, Lloyds, UL, VDS, etc. that, to some extent, also address the EHS characteristics of new agents prior to approval.

In some sectors where high GWP materials are used, use of those materials results in an increase in energy efficiency. On this basis, the direct emissions of the agent needs to be balanced with the indirect CO2 reductions that are enabled. This is often referred to as a life cycle analysis. Because there is no energy component to be considered in the fire protection sector, this type of life cycle analysis is not relevant.

Several papers by independent researchers have been published that address the atmospheric chemistry of Novec 1230 fluid. I have referenced one below.

Atmospheric Chemistry of C2F5C(O)CF(CF3)2: Photolysis and Reaction with Cl Atoms, OH Radicals, and Ozone N. Taniguchi,<sup>\*,†</sup> T. J. Wallington,<sup>\*,‡</sup> M. D. Hurley,<sup>‡</sup> A. G. Guschin,<sup>§</sup> L. T. Molina,<sup>§</sup> and M. J. Molina<sup>§</sup> Department of Molecular Engineering, Kyoto University, Kyoto 606-8501, Japan, Ford Motor Company, SRL-3083, Dearborn, Michigan 48121-2053, and Department of Earth, Atmospheric, and Planetary Sciences, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139

In summary, Novec 1230 fluid has been commercial for 5 years. More than 3000 systems have been installed globally. This technology has been studied, evaluated, and/or approved by independent researchers, standards organizations, approval bodies and government regulators globally. The toxicity and LCA characteristics have been thoroughly evaluated, reviewed, and approved.

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-06-12 06:46:38

No Duplicates.

**Comment 10 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Dorothy

Last Name: Rothrock

Email Address: Non-web submitted comment

Affiliation: AB 32 Implementation Group

Subject: Propsed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/12-ab32eam07-9.pdf'

Original File Name: ab32eam07-9.pdf

Date and Time Comment Was Submitted: 2007-06-13 12:50:07

No Duplicates.

**Comment 11 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Dave

Last Name: Cox

Email Address: Non-web submitted comment

Affiliation: Senator, 1st District

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/14-ab32eam07-11.pdf'

Original File Name: ab32eam07-11.pdf

Date and Time Comment Was Submitted: 2007-06-13 13:01:42

No Duplicates.

**Comment 12 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: George

Last Name: Runner

Email Address: Non-web submitted comment

Affiliation: Senator, 17th District

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/15-ab32eam07-12.pdf'

Original File Name: ab32eam07-12.pdf

Date and Time Comment Was Submitted: 2007-06-13 13:02:58

No Duplicates.

**Comment 13 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Juan

Last Name: Arambula

Email Address: Non-web submitted comment

Affiliation: Assemblymember, 31st District

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/16-ab32eam07-13.pdf'

Original File Name: ab32eam07-13.pdf

Date and Time Comment Was Submitted: 2007-06-13 13:06:10

No Duplicates.

**Comment 14 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Catherine  
Last Name: Reheis-Boyd  
Email Address: cathy@wspa.org  
Affiliation: WSPA

Subject: Proposed Early Actions to Mitigate Climate Change in CA  
Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/17-ab32eam07-14.zip'

Original File Name: ab32eam07-14.zip

Date and Time Comment Was Submitted: 2007-06-14 09:51:44

No Duplicates.

**Comment 15 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Joe

Last Name: Coto

Email Address: Non-web submitted comment

Affiliation: CA Latino Legislative Caucus

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/18-ab32eam07-15.pdf'

Original File Name: ab32eam07-15.pdf

Date and Time Comment Was Submitted: 2007-06-14 10:22:47

No Duplicates.

**Comment 16 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Wendy

Last Name: James

Email Address: wendy@betterworldgroup.com

Affiliation: Global Warming Action Coalition

Subject: Environmental Group Comments on EAMs

Comment:

Attached are group comments from several environmental organizations, which were submitted prior to the record opening for this proceeding. Please include them as part of the public record. Thank you.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/19-arb\_eam\_gwac\_final\_5-7-07.doc'

Original File Name: ARB EAM GWAC FINAL 5-7-07.doc

Date and Time Comment Was Submitted: 2007-06-14 10:51:10

1 Duplicates.

**Comment 17 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Cynthia

Last Name: Denny

Email Address: cindyadenny@yahoo.com

Affiliation: Sierra Club - Loma Prieta -Conservation

Subject: Proposed Early Action Measures to Reduce Greenhouse Gas Emission

Comment:

Dear Water Board members,

As a Californian, I support bold action to combat global warming pollution;

The whole world is watching the Air Board to see whether it is willing to take enforceable steps now to implement California's historic global warming law;

I urge the Board, specifically, to adopt early action measures to:

1. Reduce diesel emissions from heavy-duty trucks;
2. Require ports to provide shore-side electrification to vessels;
3. Require cement factories to use energy more efficiently
4. Encourage the use of biodiesel made from industrial hemp

These measures will both reduce greenhouse gas emissions and protect public health by reducing toxic air pollution.

Thank you for your attention to this matter.

Best regards,

Cynthia A. Denny  
Redwood City, CA

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-06-14 19:05:31

9 Duplicates.

## **Comment 18 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Veronica

Last Name: Jacobi

Email Address: VJacobi@sonic.net

Affiliation: Santa Rosa Councilmember

Subject: Early Actions Measures to Reduce Greenhouse Gas Emissions

Comment:

Many Californians support bold action to combat global warming pollution.

1. "Early Action" vs. "Long-Term". Make sure CARB's "early action items" lay the ground work for a long-term strategy transitioning into a low-carbon energy economy and infrastructure. Both early and later solutions must be commensurate with the scale of the problem. If we "overdo" solutions that would be ok. We need to do our absolute best to tackle worst case scenarios immediately.

Please adopt the following early actions...

- Reduce diesel emissions from heavy-duty trucks;
- Require ports to provide shore-side electrification to vessels;
- Require cement factories to use energy more efficiently.

2. Electrify Transportation. Take action now to bring back California's zero-emission mandates. This means putting plug-in hybrids and electric cars front and center. Electrification is one important avenue to achieve state CO2 reduction targets.

3. Biofuels. Biofuels have an important role to play in reducing carbon emissions, especially in heavy vehicles -- but only if high environmental and carbon-avoidance standards are set. Biofuels should come from sources that don't damage the environment, from local supply, minimizing chemical, carbon and energy inputs in production and transport. Biofuels must be grown and processed in sustainable ways.

4. Diesel emissions. We support reducing diesel emissions by a variety of means. Recent introduction of ultra-low sulfur diesel is a critical first step that will allow advanced filtration technology to clean up diesel to even higher levels. Reducing carbon emissions should be included in this effort.

5. Biodiesel. Expanded biodiesel use is an important carbon reduction strategy that is superior to existing ethanol technology. Biodiesel fuel must meet AB32 standards as well as traditional air pollution tests. CARB needs to expand availability of biodiesel fuel and work with manufacturers to ensure that cars that use biodiesel are readily available to consumers.

6. CARB should use its "bully pulpit" to push sensible legislative, regulatory and local policies even if they are outside CARB's jurisdiction. There are many examples: improved public transit, better traffic control, proper urban planning, and

cleaner electricity supply. Electric vehicles will have far greater benefit if the 33-percent Renewable Portfolio Standard by 2020 is given the force of law soon enough to avoid building thousands of megawatts of new fossil fuel power plants that are planned by utility companies.

7. Methane capture from landfills. Diversion of organic waste from landfilling to composting/methane operations should get higher priority. Methane capture from landfills themselves is problematic -- recent studies show only 20 percent over the lifespans of actual landfills. So zero-waste strategies -- shrinking the waste stream and landfilling less and thus avoiding more methane emissions -- will be powerful. Any carbon permit trading regime should avoid increasing financial incentives for landfilling organic waste and underregulating methane emissions -- which will happen if they are excluded from compliance with a carbon cap.

CARB should be actively supporting policies which are necessary to fulfill its mandate under AB 32 to reduce Carbon Emissions.

The above measures will both reduce greenhouse gas emissions and protect public health by reducing toxic air pollution.

The whole world is watching the Air Board to see whether it is willing to take enforceable steps now to implement California's historic global warming law.

THANK YOU VERY MUCH FOR YOUR SERVICE DURING THIS CRITICAL PERIOD OF TIME!

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-06-16 21:05:22

No Duplicates.

**Comment 19 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Thomas

Last Name: Jacob

Email Address: tom.jacob@usa.dupont.com

Affiliation: DuPont Company

Subject: DuPont Comments on Early Action Report

Comment:

Attached please find DuPont's comments on the ARB Early Action Report.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/24-dupont\_comment\_to\_arb\_--\_early\_action\_report.doc'

Original File Name: DuPont Comment to ARB -- Early Action Report.doc

Date and Time Comment Was Submitted: 2007-06-18 10:28:01

No Duplicates.

**Comment 20 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Staci

Last Name: Heaton

Email Address: sheaton@rcrcnet.org

Affiliation: RCRC/ESJPA

Subject: Comment letter on Proposed Early Action Measures

Comment:

Attached please find a joint comment letter from the Regional Council of Rural Counties (RCRC) and the Environmental Services Joint Powers Authority (ESJPA) on the List of Proposed Early Action Measures to Reduce Greenhouse Gas Emission Under the California Global Warming Solutions Act of 2006. Please contact me if you have any questions.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/25-rcrc.jpa.061807.ltr.arb.eai.pdf'

Original File Name: RCRC.JPA.061807.ltr.ARB.EAI.pdf

Date and Time Comment Was Submitted: 2007-06-18 15:55:38

No Duplicates.

## **Comment 21 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Melonie  
Last Name: Magruder  
Email Address: brava@hawaiian.net  
Affiliation:

Subject: AB 32  
Comment:

Dear Chairman Sawyer & Members of CARP:

The proposed AB 32 Early Action Measures do not sufficiently address the urgency of the global warming crisis. The latest analysis published in the Proceedings of the US National Academy of Sciences shows the observed data on CO2 emissions is increasing at a rate 50% higher than the worst-case scenario considered by the UN IPCC. This means that to avoid disastrous consequences, the reductions in CO2 emissions must be much more rapid and more drastic than anticipated.

The whole world is watching the Air Board to see whether it is willing to take enforceable steps now to implement California's historic global warming law in light of these latest scientific findings. I urge the Board, specifically, to adopt early action measures to:

- Reduce diesel emissions from heavy-duty trucks;
- Require ports to provide shore-side electrification to vessels;
- Require cement factories to use energy more efficiently.
- Provide Firm Deadlines and Commitments for Measures Contained in Tables 2 & 3

These measures will both reduce greenhouse gas emissions and protect public health by reducing toxic air pollution.

The quality of our air is not an issue that can be finessed with small incremental steps. There is a healthy consensus amongst climate scientists that if we don't start changing the way we do things within 20 years, it will be too late to prevent climate alteration. In short, the world's sinkholes that absorb CO2 emissions are simply filling up. For those that claim "we are in a natural climate cycle change," I say LOOK AT THE MODELS! This is not a political issue. This is a mental health issue. If you want a picture of what a world with unremittingly bad air looks like, read the article on the front page of today's (6/18/07) Los Angeles Times titled, "Lead exposure in Peru raises concern."

I believe we underestimate our citizens' adaptability and desire for change by claiming that we cannot expect people to adopt a different lifestyle in the face of such real threats.

Now is the time to legislate change. In closing, I leave you with the words of Edmund Burke, a member of British parliament:

Your representative owes you, not his industry only, but his judgment; and he betrays instead of serving you if he sacrifices it to your opinion.

When the leaders choose to make themselves bidders at an auction of popularity, their talents, in the construction of the state, will be of no service.

Sincerely,

Melonie Magruder

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-06-18 16:13:43

1 Duplicates.

**Comment 22 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Steve

Last Name: Heckerorth

Email Address: steve@renewables.com

Affiliation:

Subject: GHG reduction measures

Comment:

To whom it may concern,

Please enter the attached presentation into the record of the testimony of the Public Meeting to Consider Approval of a List of Proposed Early Action Measures to Reduce Greenhouse Gas Emission under the California Global Warming Solutions Act of 2006.

Thank you,

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/27-carb\_ghg\_reduction\_measures\_\_heckerorth.pdf'

Original File Name: CARB GHG reduction measures, Heckerorth.pdf

Date and Time Comment Was Submitted: 2007-06-18 23:29:00

No Duplicates.

**Comment 23 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Aaron

Last Name: Lowe

Email Address: aaron.lowe@aftermarket.org

Affiliation: AAIA and ARPI

Subject: Restrictions on High Global Warming Potential Refrigerants

Comment:

The attached document contains data and a summary of the position for both the Automotive Refrigerant Products Institute (ARPI) and the Automotive Aftermarket Industry Association regarding a restriction on the sale of R-134a to non-professionals that is proposed to be included as part of the discrete early action measures. This document was presented to the CARB Executive Officer on May 1, 2007.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/28-carb\_presentation1.ppt'

Original File Name: CARB Presentation1.ppt

Date and Time Comment Was Submitted: 2007-06-19 06:24:12

No Duplicates.

**Comment 24 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Karen

Last Name: Douglas

Email Address: Non-web submitted comment

Affiliation: Environmental Defense

Subject: Public comment on proposed early action measures to mitigate climate change in CA  
Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/29-ab32eam07-24.pdf'

Original File Name: ab32eam07-24.pdf

Date and Time Comment Was Submitted: 2007-06-19 11:11:50

No Duplicates.

**Comment 25 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Cydney

Last Name: Henderson

Email Address: Non-web submitted comment

Affiliation:

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: '<https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/30-ab32eam07-25.pdf>'

Original File Name: ab32eam07-25.pdf

Date and Time Comment Was Submitted: 2007-06-19 11:23:44

No Duplicates.

**Comment 26 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Juliana

Last Name: Gerber

Email Address: juliana@edgarinc.org

Affiliation: CA Refuse Removal Council

Subject: Landfill Carbon Sequestration in the Greenhouse Gas Emissions Inventory

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/31-crrc\_comments\_on\_early\_action\_items.pdf'

Original File Name: CRRC Comments on Early Action Items.pdf

Date and Time Comment Was Submitted: 2007-06-19 12:04:06

No Duplicates.

## **Comment 27 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Enrique

Last Name: Chiock

Email Address: echiock@breathela.org

Affiliation: BREATHE California of Los Angeles County

Subject: AB EARLY ACTION MEASURES

Comment:

We, the undersigned organizations, represent a broad range of environmental justice, public health, and community-based organizations from across the state. We urge the California Air Resources Board (CARB) and Governor Schwarzenegger to maintain California's status as the world's leader on global warming by adopting the strongest possible Early Action Measures as part of the implementation of AB 32.

We strongly support the recommendations of the Global Warming Environmental Justice Advisory Committee on Proposed Early Actions to Mitigate Climate Change, and urge CARB to adopt these strategies, as they are important, technologically feasible measures that will significantly and immediately reduce California's overall global warming impact.

Time is of the essence. And the urgency with which we must act to achieve critical greenhouse gas is monumental. As this state's chief air quality regulator, ARB has been entrusted with the responsibility of upholding Governor Schwarzenegger's promise to fight global climate change and achieve the state's air quality goals. It is vital that you use all the resources at your disposal to aggressively limit green house gas emissions by undertaking straightforward reduction opportunities across multiple sectors of the economy as quickly as possible.

The Air Resources Board is also responsible for protecting the health of the millions of California residents and charting the path to California's attainment of federal and state health-protective air quality goals. This is why we urge ARB to adopt measures that have the added benefit of reducing harmful co-pollutants in communities already heavily burdened by air pollution. This approach calls for looking for reductions from major emitters of green house gases that are most likely to be located in low-income communities and communities of color such as the ports and goods movement infrastructure (for example, port electrification, shoreside generation, replacing dirty diesel HDVs with clean, alternative-fueled vehicles and technologies); agriculture (for example, cleaning up composting facilities, manure management); oil refineries (for example, efficiency measures, recycling of waste gases); and power plants (for example, ending fuel oil burning, adding energy savings measures). Undertaking a comprehensive approach to air pollution reductions allows ARB to reduce green house gas emissions in a manner that is cost-effective, health-protective, and good policy.

Please implement the recommendations adopted by the Global Warming Environmental Justice Advisory Committee. Our health today, and our ability to stop global warming in the future, depends on you.

Sincerely,

Enrique Chiock  
President & CEO

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-06-19 13:45:11

No Duplicates.

**Comment 28 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: John

Last Name: Busterud

Email Address: jwbb@pge.com

Affiliation:

Subject: PG&E's Comments on Discrete Early Action Proposals

Comment:

Please find attached PG&E's comments on Discrete Early Action Proposals. Please contact John Busterud at 415-973-6617 should you have any questions.

Attachment: '[https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/33-pg\\_e\\_comments\\_discrete\\_early\\_action\\_proposals.pdf](https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/33-pg_e_comments_discrete_early_action_proposals.pdf)'

Original File Name: PG&E Comments Discrete Early Action Proposals.pdf

Date and Time Comment Was Submitted: 2007-06-19 15:12:32

No Duplicates.

**Comment 29 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Luke

Last Name: Tonachel

Email Address: ltonachel@nrdc.org

Affiliation: NRDC

Subject: NRDC Cmts to LCFS EAM

Comment:

NRDC 5/7/07 letter on Early Action Measures and NRDC documents supporting Low Carbon Fuels Standard adoption.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/34-nrdc\_cmts\_eam\_and\_lcfs\_2007-06-19.zip'

Original File Name: NRDC\_Cmts\_EAM\_and\_LCFS\_2007-06-19.zip

Date and Time Comment Was Submitted: 2007-06-19 15:19:10

No Duplicates.

**Comment 30 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Diane

Last Name: Bailey

Email Address: dbailey@nrdc.org

Affiliation: Natural Resources Defense Council

Subject: Early Action Measure Comments on Cement Energy Efficiency

Comment:

Please find attached our comments on cement energy efficiency measures appropriate for early action.

Thank you.

-Diane Bailey

NRDC

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/37-eam-cement\_industry\_june\_2007.doc'

Original File Name: EAM-Cement Industry June 2007.doc

Date and Time Comment Was Submitted: 2007-06-19 22:31:46

No Duplicates.

**Comment 31 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Diane

Last Name: Bailey

Email Address: dbailey@nrdc.org

Affiliation: Natural Resources Defense Council

Subject: Early Action Measure Comments on Heavy-duty Truck Efficiency

Comment:

Please find attached our May 7th comment letter on heavy duty truck efficiency as an early action measure.

Thank you.

-Diane Bailey

NRDC

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/38-eam\_hd\_emission\_reduction\_final.doc'

Original File Name: EAM HD Emission Reduction final.doc

Date and Time Comment Was Submitted: 2007-06-19 22:35:58

No Duplicates.

**Comment 32 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Jim  
Last Name: Stewart  
Email Address: Jim@EarthDayLA.org  
Affiliation: Earth Day Los Angeles

Subject: Planetary Emergency: phase out fossil fuels as rapidly as possible  
Comment:

June 19, 2007

Re: Suggestions for Early Action Measures

Dear Chairman Sawyer & Members of the California Air Resources Board,

The proposed AB 32 Early Action Measures do not sufficiently address the urgency of the global warming crisis.

The latest analysis published in the Proceedings of the US National Academy of Sciences, published online on May 22, 2007, (<http://www.pnas.org/cgi/content/abstract/104/24/10288>), shows the observed data on CO2 emissions is increasing at a rate 50% higher than the worst-case scenario considered by the UN IPCC. So currently humanity is headed for a disaster beyond the most catastrophic predictions. Clearly this is a planetary emergency almost beyond our imagination. Any more burning of fossil fuels is folly.

CARB must revise the Early Action Measures to move immediately toward the elimination of fossil fuels.

I have attached a one page summary of the US National Academy of Sciences article. Please read the full 7-page journal article.

Please consider this latest science in your recommendations.

Sincerely,

Jim Stewart, PhD, Organizing Director  
Earth Day Los Angeles

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/39-glwmngworsethanworstpredictions2p.doc'

Original File Name: GlWmgWorseThanWorstPredictions2P.doc

Date and Time Comment Was Submitted: 2007-06-20 08:47:09

No Duplicates.

**Comment 33 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Mike  
Last Name: Sandler  
Email Address: mike@climateprotectioncampaign.org  
Affiliation: Climate Protection Campaign

Subject: Early Action Measure- Carbon Permit Fee  
Comment:

Please accept the attached comments regarding Early Action Measures for implementing AB32. The comments are for the public record. Please forward them to the appropriate people.

Thank you for your consideration.

Sincerely,

Mike Sandler  
Carbon Share Project Manager  
Climate Protection Campaign  
4731 La Villa Marina, Unit B  
Marina del Rey, California 90292  
mike@climateprotectioncampaign.org  
www.carbonshare.org

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/40-cpc\_early\_action\_comments6-17-07.doc'

Original File Name: CPC Early Action comments6-17-07.doc

Date and Time Comment Was Submitted: 2007-06-20 09:34:23

No Duplicates.

## **Comment 34 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Elizabeth

Last Name: Mezas

Email Address: emezas@sbcglobal.net

Affiliation: Mountain View Cool Cities Team

Subject: AB 32 early action measures

Comment:

I am writing as an advocate for early action to implement Assembly Bill (AB) 32. Moving quickly to reduce global warming pollution is vital. Your and my commitment to the success of AB 32 will help meet the set goals. GHG emission reduction is vital and the fuel standard included on your priority list should have a profound effect. Please ignore the lobby and make it happen. The world is watching.

California has significant air pollution problems. AB 32's GHG reduction strategies will have a positive impact on this problem. Diesel fumes are proven to be a carcinogen, and a reduction of them should be one of your early action measures. Better technologies were developed under the SmartWay Transport program and widespread adoption of those technical improvements might result from an early action measure.

Diesel anti-idling enforcement by a larger number of dedicated field staff is also needed. I want to see firm deadlines for the measures, to see real commitment and dedication from the Board to AB 32. In particular, dates for adoption of the port rules, especially shoreside power, must not slip for any reason in any region.

I stand with other Californians in support of full and strong implementation of AB 32 and a comprehensive program to meet all of the goals of the statute. Thank you for your consideration.

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-06-20 10:51:15

No Duplicates.

**Comment 35 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Barbara  
Last Name: Fukumoto  
Email Address: barbf53@aol.com  
Affiliation: Sunnyvale Cool Cities Team

Subject: AB32 Early Actions  
Comment:

On behalf of our Sunnyvale Cool Cities Team I urge you to take  
bold  
and early action to aggressively confront greenhouse gas  
pollution.

We must take strong actions to lead the world toward a  
sustainable  
future and capitalize on California's historic AB32.

We urge the Air Resources Board to take strong actions NOW to  
reduce diesel emissions from heavy trucks,  
require shoreside electrification to ships, and  
require energy efficiency for cement plants.

In doing so you will protect our children's future and our own by  
making meaningful reductions in greenhouse gases and by cleaning  
our air so that it is healthy to breathe.

Please do the right thing.

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-06-20 10:52:23

No Duplicates.

**Comment 36 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Pierre  
Last Name: Delforge  
Email Address: pierre@delforge-melia.net  
Affiliation:

Subject: Please do more on climate change!  
Comment:

Hello,

I am disappointed that the ARB staff are only proposing 3 measures to address climate change in the next 3 years. I urge you to take more ambitious actions. Climate change is an emergency, I urge our leaders and officials to take ambitious action right now to minimize the impact of climate change. I believe this is a moral obligation: governments have already failed to take early preventative action on the issue, we now owe it to children of today and future generations to act at a time when we can still have a significant impact of climate change.

Thank you for your leadership and courage.

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-06-20 10:55:13

No Duplicates.

**Comment 37 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Rev. Albert

Last Name: Cohen

Email Address: Non-web submitted comment

Affiliation: Southern CA Ecumenical Co.

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/50-ab32eam07-37.pdf'

Original File Name: ab32eam07-37.pdf

Date and Time Comment Was Submitted: 2007-06-20 11:28:53

No Duplicates.

## **Comment 38 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: RM

Last Name: Merrill

Email Address: mooner1@optonline.com

Affiliation:

Subject: Don't Leave the Goods Movement Industry Out of Early Action Measures

Comment:

California Air Resources Board

Dear California Air Resources Board,

I urge the California Air Resources Board (CARB) and Governor Schwarzenegger to maintain California's status as the world's leader on global warming by adopting the strongest possible Early Action Measures as part of the implementation of AB 32, the Global Warming Solutions Act of 2006.

The goods movement industry - the trucks, ships, and trains that come to and transport products here and to the rest of the country - is responsible for about 30% of all smog-forming NOx and 75% of all diesel Particulate Matter (PM) emissions in California. Annually, these "criteria pollutant" emissions are responsible for 2400 premature deaths, higher cancer rates, and respiratory disease across California. In addition to poisoning the air we breathe, diesel Particulate Matter and NOx, also contribute more to global warming than the leading greenhouse gas, carbon dioxide (CO2), as CARB has reported.

So I urge you to reverse your decision to leave goods movement pollution reduction strategies out of your Early Action Measures for addressing global warming. By limiting PM and NOx pollution as part of your AB 32 Early Action Measures, the Air Resources Board can act aggressively to improve air quality and reduce greenhouse gases.

Specifically, I believe that CARB should include the following Early Action measures:

- \* Require the cleanest available Heavy-Duty Trucks. (Each truck should meet the EPA's highest clean air standards - for oxides of nitrogen (NOx) and diesel particulate matter (DPM) - at the time of purchase. Dirtier trucks should not be grouped with clean trucks, thereby allowing fleets to lower their average criteria pollutant emissions.)

- \* Require the cleanest available Cargo Handling Equipment (such as "yard tractors").

- \* Require large ocean going vessels to use cleaner shore-based electrical power ("cold ironing") when in port harbors (instead of burning dirty bunker fuel).

As this state's chief air quality regulator, the Air Resources Board is responsible for protecting the health of the millions of California residents suffering from goods movement-related pollution - and for upholding Governor Schwarzenegger's promise to fight global warming. So it is vital that you use all the resources at your disposal to aggressively limit deadly goods movement emissions - especially since trade is projected to triple or quadruple over the next decade or so.

Please, implement the above Early Action Measures. Our health today, and our ability to stop global warming in the future, depends on you.

Sincerely,  
RM Merrill  
55 Red Mountain Ave  
Torrington, CT 06790

Attachment: "

Original File Name:

Date and Time Comment Was Submitted: 2007-06-20 11:36:22

2839 Duplicates.

**Comment 39 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Ronald

Last Name: Calderon

Email Address: Non-web submitted comment

Affiliation: Senator, 30th District

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/52-ab32eam07-38.pdf'

Original File Name: ab32eam07-38.pdf

Date and Time Comment Was Submitted: 2007-06-20 12:31:58

4 Duplicates.

**Comment 40 for Early Action Measures for Greenhouse Gas (ab32eam07) - Non-Reg.**

First Name: Mark

Last Name: DeSaulnier

Email Address: Non-web submitted comment

Affiliation: Assemblymember, 11th District

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: 'https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/57-ab32eam07-39.pdf'

Original File Name: ab32eam07-39.pdf

Date and Time Comment Was Submitted: 2007-06-20 12:40:07

No Duplicates.

**Comment 1 for Early Action Measures for Greenhouse Gas (ab32eam07). (At Hearing)**

First Name: Christine

Last Name: Kehoe

Email Address: Non-web submitted comment

Affiliation: CA Legislature

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/63-ab32eam07-ws-1.pdf>

Original File Name: ab32eam07-ws-1.pdf

Date and Time Comment Was Submitted: 2007-07-02 09:57:48

No Duplicates.

**Comment 2 for Early Action Measures for Greenhouse Gas (ab32eam07). (At Hearing)**

First Name: Dominic

Last Name: DiMarc

Email Address: Non-web submitted comment

Affiliation: CA Chamber of Commerce

Subject: Comments on Proposed Early Action Measures Under the CA Global Warming Solutions Act

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/64-ab32eam07-ws-2.pdf>

Original File Name: ab32eam07-ws-2.pdf

Date and Time Comment Was Submitted: 2007-07-02 09:59:17

No Duplicates.

**Comment 3 for Early Action Measures for Greenhouse Gas (ab32eam07). (At Hearing)**

First Name: Bill

Last Name: Karambelas

Email Address: Non-web submitted comment

Affiliation: Fuel Cell Energy

Subject: Fuel Cells: Potential Contribution to Reducing Emissions & Natural Gas Consumption in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/65-ab32eam07-ws-3.pdf>

Original File Name: ab32eam07-ws-3.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:00:47

No Duplicates.

**Comment 4 for Early Action Measures for Greenhouse Gas (ab32eam07). (At Hearing)**

First Name: Jill

Last Name: Whynot

Email Address: Non-web submitted comment

Affiliation: SCAQMD

Subject: CARB Public Hearing: Proposed Early Action Measures for AB32

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/66-ab32eam07-ws-4.pdf>

Original File Name: ab32eam07-ws-4.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:01:48

No Duplicates.

**Comment 5 for Early Action Measures for Greenhouse Gas (ab32eam07). (At Hearing)**

First Name: Larry

Last Name: Allen

Email Address: Non-web submitted comment

Affiliation: CAPCOA

Subject: Proposed Early Action Measures to Reduce Greenhouse Gases

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/67-ab32eam07-ws-5.pdf>

Original File Name: ab32eam07-ws-5.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:11:36

No Duplicates.

**Comment 6 for Early Action Measures for Greenhouse Gas (ab32eam07). (At Hearing)**

First Name: John

Last Name: Andrew

Email Address: Non-web submitted comment

Affiliation: Dept. of Water Resources

Subject: Assembly Bill 32 Early Actions

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/68-ab32eam07-ws-6.pdf>

Original File Name: ab32eam07-ws-6.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:13:02

No Duplicates.

**Comment 7 for Early Action Measures for Greenhouse Gas (ab32eam07). (At Hearing)**

First Name: Philip

Last Name: Huang

Email Address: Non-web submitted comment

Affiliation: Communities for a Better Environment

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/69-ab32eam07-ws-7.pdf>

Original File Name: ab32eam07-ws-7.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:14:11

No Duplicates.

**Comment 8 for Early Action Measures for Greenhouse Gas (ab32eam07). (At Hearing)**

First Name: Julia

Last Name: May

Email Address: Non-web submitted comment

Affiliation: CBE

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/70-ab32eam07-ws-8.pdf>

Original File Name: ab32eam07-ws-8.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:15:18

No Duplicates.

**Comment 9 for Early Action Measures for Greenhouse Gas (ab32eam07). (At Hearing)**

First Name: Jack

Last Name: Broadbent

Email Address: Non-web submitted comment

Affiliation: BAQMD

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/71-ab32eam07-ws-9.pdf>

Original File Name: ab32eam07-ws-9.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:16:05

No Duplicates.

**Comment 10 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Larry

Last Name: Allen

Email Address: Non-web submitted comment

Affiliation: CAPCOA

Subject: Proposed Early Action Measures Under AB 32

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/72-ab32eam07-ws-10.pdf>

Original File Name: ab32eam07-ws-10.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:17:03

No Duplicates.

**Comment 11 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Loni

Last Name: Hancock

Email Address: Non-web submitted comment

Affiliation: NRC

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/73-ab32eam07-ws-11.pdf>

Original File Name: ab32eam07-ws-11.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:18:22

No Duplicates.

**Comment 12 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Angela

Last Name: Johnson-Nuzaros

Email Address: Non-web submitted comment

Affiliation:

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/74-ab32eam07-ws-13.zip>

Original File Name: ab32eam07-ws-13.zip

Date and Time Comment Was Submitted: 2007-07-02 10:19:34

No Duplicates.

**Comment 13 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Jesse

Last Name: Marquez

Email Address: Non-web submitted comment

Affiliation: SCAQMD

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/75-ab32eam07-ws-14.pdf>

Original File Name: ab32eam07-ws-14.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:20:31

No Duplicates.

**Comment 14 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Nancy

Last Name: McFadden

Email Address: Non-web submitted comment

Affiliation: PG & E

Subject: Comments on Discrete Early Action Proposals

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/76-ab32eam07-ws-16.pdf>

Original File Name: ab32eam07-ws-16.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:23:45

No Duplicates.

**Comment 15 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Laura

Last Name: Hunter

Email Address: Non-web submitted comment

Affiliation: Environmental Health Coalition

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/77-ab32eam07-ws-17.pdf>

Original File Name: ab32eam07-ws-17.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:24:37

No Duplicates.

**Comment 16 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Jim

Last Name: Stewart

Email Address: Non-web submitted comment

Affiliation: Sierra Club

Subject: Global Warming is Now Worse than the Worst Predictions

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/78-ab32eam07-ws-18.pdf>

Original File Name: ab32eam07-ws-18.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:25:54

No Duplicates.

**Comment 17 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Mike

Last Name: Duvall

Email Address: Non-web submitted comment

Affiliation: Assemblymember, 72nd District

Subject: Proposed Early Actions to Mitigate Climate Change in CA

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/79-ab32eam07-ws-19.pdf>

Original File Name: ab32eam07-ws-19.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:27:10

No Duplicates.

**Comment 18 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Jane

Last Name: Williams

Email Address: Non-web submitted comment

Affiliation: CA Against Communities Toxics

Subject: Organizational Sign-on Ltr. to the CARB on AB 32 Early Action Measures

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/80-ab32eam07-ws-20.pdf>

Original File Name: ab32eam07-ws-20.pdf

Date and Time Comment Was Submitted: 2007-07-02 10:28:39

No Duplicates.

**Comment 19 for Early Action Measures for Greenhouse Gas (ab32eam07).  
(At Hearing)**

First Name: Rupal

Last Name: Patel

Email Address: Non-web submitted comment

Affiliation: Communities for Clean Ports

Subject: Petition

Comment:

Please see the attached comment.

Attachment: <https://ww2.arb.ca.gov/sites/default/files/BARCU/barcu-attach-old/ab32eam07/81-ab32eam07-ws-21.pdf>

Original File Name: ab32eam07-ws-21.pdf

Date and Time Comment Was Submitted: 2007-07-02 11:19:41

5000 Duplicates.