Comment 1 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Claire
Last Name: van Zuiden
Email Address: claire@calstrat.com
Affiliation:

Subject: zev2013 Comment Letter
Comment:

```
Air Resources Board and Staff,

On behalf of Proterra, please see the attached letter requesting
the Board to consider modifications to the Zero Emission Vehicle
Regulation (ZEV program) to apply to medium- and heavy-duty
vehicles over 14,000 pounds.

We appreciate the opportunity to provide comments on the ZEV
program and the efforts of ARB to reduce GHG and health-based air
pollutants.

Thank you,
Claire van Zuiden
Associate
California Strategies
```

Attachment: www.arb.ca.gov/lists/com-attach/1-zev2013-BX9QM1UiAGEFMwIz.pdf

Original File Name: zev2013 Comment Letter_Proterra.pdf

Date and Time Comment Was Submitted: 2013-10-17 17:37:55

No Duplicates.

Comment 2 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Don
Last Name: Siefkes
Email Address: donsiefkes@aol.com
Affiliation: E100 Ethanol Group - Executive Director

Subject: ZEV2013 Comments
Comment:

```
Please see attachment.
```

Attachment: www.arb.ca.gov/lists/com-attach/2-zev2013-UigBYlwrVzYANlBh.doc

Original File Name: ZEV2013_hearing_oct24_commments.doc

Date and Time Comment Was Submitted: 2013-10-18 10:53:43

No Duplicates.

Comment 3 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Claire
Last Name: van Zuiden
Email Address: claire@calstrat.com
Affiliation:

Subject: EVI Comment Letter - zev2013
Comment:

```
Air Resources Board and Staff,

On behalf of Electric Vehicles International (EVI), please see the
attached letter requesting the Board to consider modifications to
the Zero Emission Vehicle Regulation (ZEV program) to apply to
medium- and heavy-duty vehicles over 14,000 pounds.

We appreciate the opportunity to provide comments on the ZEV
program and the efforts of ARB to reduce GHG and health-based air
pollutants.

Thank you,
Claire van Zuiden
Associate
California Strategies
```

Attachment: www.arb.ca.gov/lists/com-attach/3-zev2013-VDdcNQBsVGoHZFc5.pdf

Original File Name: Comments to the Board_EVI_zev2013.pdf

Date and Time Comment Was Submitted: 2013-10-18 16:37:05

No Duplicates.

Comment 4 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Debbie
Last Name: Baron
Email Address: mendocinodeb@gmail.com
Affiliation: Mendo Alcohol Fuel Grou

Subject: It is time for vehicles with optimized ethanol engines to have ZEV status
Comment:

Dear Members of the Board:
As you begin considering minor modifications to the Zero Emission Vehicle Regulation, I respectfully ask you to consider granting ZEV status to optimized ethanol engines running on E98 Ethanol fuel (98/2 Etoh/ipOH). Why? Because ethanol fuel is a carbon neutral fuel, especially in an engine built for it. Many myths about ethanol abound. These are well documented in David Blume's important book, Alcohol Can Be A Gas. But ethanol is a fuel that can be easily made out of many varieties of biomass, and not just from corn. If grown and harvested according to the methods of permaculture, feedstocks can produce low cost ethanol with very little cultivation. Such will mitigate extreme climate change, bolster America's energy independence, reinvigorate the economy, and establish international peace and security. And ethanol does not require massive infrastcture development, or rely on invasive, expensive, controversial, and polluting extraction operations.
Today, critics make much about how ethanol fuel does not perform as well as gasoline fuel. But this is unfair since ethanol is being asked to perform in engines optimized for gasoline. Even though critics level their complaints, ethanol fuel is a fact of life and more and more of it is being used as the years go by. It is the 21st century and this writer believes that many new and different transporatation styles will soon be upon us. Already, there are plans for electric cars, air cars, hydrogen cars, and driverless cars. In the ZEV Emission Vehicle Regulations there is language for some of these innovative vehicles. But, is there language for vehicles with optimized ethanol engines running on E98, which is denatured with the non-petroleum chemicals isopropyl alcohol and denatonium benzoate? If not, there should be. Soon, vehicles with optimized ethanol engines will be developed. And because the optimized ethanol engine uses carbon neutral ethanol fuel, cars and trucks designed with 21st century optimized ethanol engines and fuel should be granted Zero Emissions Vehicle Status.
Thank you,
Debbie Baron,
Secretary of the Mendo Alcohol Fuel Group

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2013-10-19 12:08:39

No Duplicates.

Comment 5 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Tracy
Last Name: Woodard
Email Address: Non-web submitted comment
Affiliation:

Subject: NISSAN COMMENT LETTER
Comment:

```
Attached please find Nissan Comment Letter.
```

Attachment: www.arb.ca.gov/lists/com-attach/5-zev2013-Uz0BbgFzWXkAZ1I8.pdf

Original File Name: Nissan.pdf

Date and Time Comment Was Submitted: 2013-10-21 10:34:11

No Duplicates.

Comment 6 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Steven
Last Name: Douglas
Email Address: sdouglas@autoalliance.org
Affiliation: Alliance of Automobile Manufacturer

Subject: Minor Modifications to the Zero Emission Vehicle Regulation
Comment:

```
Attached are the comments of the Alliance of Automobile
Manufacturers on the subject regulation.

Best regards,
Steve Douglas
```

Attachment: www.arb.ca.gov/lists/com-attach/6-zev2013-AjBcalNjAmIHLAQ1.pdf

Original File Name: 2013-10-21 Alliance ZEV Letter.pdf

Date and Time Comment Was Submitted: 2013-10-22 13:20:58

No Duplicates.

Comment 7 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: joanna
Last Name: becker
Email Address: joanna@groundplan.net
Affiliation:

Subject: E100 fuel
Comment:

```
Please make E100 fuel an option for zero emissions in California.
Once it is approved the technology can make it happen.  We deserve
clean air and renewable fuel for ourselves and future generations
```

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2013-10-23 09:38:59

No Duplicates.

Comment 8 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Daniel
Last Name: Ryan
Email Address: dryan2@mazdausa.com
Affiliation: Group of Intermediate Volume OEMs

Subject: Comments on ZEV 2013
Comment:

```
Attached are joint comments of a group of Intermediate Volume
Manufacturers including Jaguar Land Rover, Mitsubishi Motors,
Mazda, Subaru and Volvo Cars.
```

Attachment: www.arb.ca.gov/lists/com-attach/8-zev2013-B2FTPFwzUGIKYAhX.pdf

Original File Name: Final IVM Comments for Oct 24 ARB meeting.pdf

Date and Time Comment Was Submitted: 2013-10-23 10:23:30

No Duplicates.

Comment 9 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: David
Last Name: Reichmuth
Email Address: dreichmuth@ucsusa.org
Affiliation: Union of Concerned Scientists

Subject: ZEV regulation
Comment:

```
Please see attached comment letter.
```

Attachment: www.arb.ca.gov/lists/com-attach/10-zev2013-VzhcOVUgBDhVMQVg.pdf

Original File Name: October 2013 Board Hearing Comments_2013_10_22.pdf

Date and Time Comment Was Submitted: 2013-10-23 10:54:57

No Duplicates.

Comment 10 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Azita
Last Name: Khalili
Email Address: azita.khalili@bmwna.com
Affiliation: BMW

Subject: BMW Comments ZEV Modifications
Comment:

```
Attached please find BMW comments on the proposed modifications to
the California Zero Emission Vehicle regulation.

Kind Regards,

Dr. Azita Khalili
```

Attachment: www.arb.ca.gov/lists/com-attach/11-zev2013-UTNcN1chBAhXMgZp.pdf

Original File Name: BMW_comments_ZEV_minor revisions 20131024 - Board Hearing.pdf

Date and Time Comment Was Submitted: 2013-10-23 11:12:28

No Duplicates.

Comment 11 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: lee
Last Name: wilhelm
Email Address: luckyleewilhelm@gmail.com
Affiliation: -

Subject: zero emissions truth
Comment:

California's over-reliance on motor vehicles contributes to a variety of public health problems, such as obesity and social isolation, which cannot be solved simply by replacing internal combustion engines with batteries or fuel cells. On the other hand, bicycling is affordable for the masses and, as documented by recent studies regarding active transport, confers enormous health benefits. Moreover, cycling (and walking) are truly zero-emissions. Their in-use emissions do not depend on transitioning to a low-carbon electricity grid. Their manufacture requires only a small fraction of the materials and energy required for motor vehicles.

A cycling infrastructure would enable a truly zero emissions vehicle to satisfy a critical fraction of California's transportation needs, while boosting Californian's health, quality of life, and social fabric. Maintaining cycling infrastructure would cost, per mile travelled, only a small fraction of what the current automotive infrastructure demands. Evidence from other countries, such as Denmark and the Netherlands, who have mobilized the political will to provide safe cycling infrastructure for their citizens suggest that bicycles are a vehicle that the ARB would be foolish not to support.

Please reconsider your ZEV portfolio. Please provide the citizens of Calfiornia with an equitable, affordable, healthy, and truly zero-emissions transportation option. Please continue to maintain California's leadership in transportation strategies. As the Germans say in their campaign targeting active transport for trips of less than 5 km: "kopf an, motor aus!" (Turn your head on, your motor off.)

The urgency of our climate problems demand the courage for ARB to promulgate truly visionary strategies.

Thank you for your consideration and for your hard work.

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2013-10-23 11:30:47

No Duplicates.

Comment 12 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Brennan
Last Name: Beach
Email Address: brennan@voltronix.com
Affiliation: Voltronix

Subject: Conversion of electric vehicles and ZEV credit eligibility
Comment:

```
We represent a large segment of the battery and electric vehicle
(EV) industry in California and are writing to encourage the
California Air Resources Board to grant credits under the Zero
Emitting Vehicle program (ZEV credits) to owners that convert
traditional cars and trucks to EVs.  Attached is a letter outlining
our suggestion in more detail.

Thank you for your consideration.

Sincerely yours,
Brennan Patrick Beach
President, Voltronix
```

Attachment: www.arb.ca.gov/lists/com-attach/13-zev2013-AmcGdlMNVGQGbwBu.pdf

Original File Name: EV_Conversion_Letter_Final.pdf

Date and Time Comment Was Submitted: 2013-10-23 11:44:11

No Duplicates.

Comment 13 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Michael
Last Name: Lord
Email Address: michael.lord@tema.toyota.com
Affiliation: Toyota

Subject: Submission of Toyota Comment
Comment:

```
Please find attached Toyota's comments.
```

Attachment: www.arb.ca.gov/lists/com-attach/14-zev2013-UGEGMwEtBGYDNAQp.pdf

Original File Name: 13-11-24 ZEV Board Hearing Comment (Toyota).pdf

Date and Time Comment Was Submitted: 2013-10-23 11:37:06

No Duplicates.

Comment 14 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Trina
Last Name: Mackie
Email Address: trina.mackie@tu.edu
Affiliation: Touro University California

Subject: need to consider bicycles as zero emissions vehicles
Comment:

Cycling is already an important form of transportion and unfortunately under-utilizaed in California and the United States at large. Cycling is affordable, effective, fun, and offers a multitude of co-benefits (e.g., health, not to mention happiness). Cycling should not be left out of the ARB's Zero Emission Vehicle Program. Along with the health co-benifits, cycling brings sizable climate co-benefits, as rigorously assessed by the 2013 peer-reviewed study of the California Department of Public Health authored by Maizlish et. al. and titled, "Health Cobenefits and Transportation-Related Reductions in Greenhouse Gas Emissions in the San Francisco Bay Area". The article is available in the April 2013 issue of the American Journal of Public Health.

Attachment:

Original File Name:

Date and Time Comment Was Submitted: 2013-10-23 11:40:54

No Duplicates.

Comment 15 for Zero Emission Vehicle Regulation (zev2013) - 45 Day.

First Name: Diarmuid
Last Name: O'Connell
Email Address: Diarmuid@teslamotors.com
Affiliation:

Subject: Tesla Comments - ZEV Mandate
Comment:

```
Please see letter attached.
```

Attachment: www.arb.ca.gov/lists/com-attach/16-zev2013-W2kHMQAwAGBRZgEx.pdf

Original File Name: 20131023 Tesla Comments - ZEV Mandate.pdf

Date and Time Comment Was Submitted: 2013-10-23 11:56:41

No Duplicates.

Comment 1 for Zero Emission Vehicle Regulation (zev2013). (At Hearing)

First Name: Michael
Last Name: Hartrick
Email Address: mdh25@chrysler.com
Affiliation: Chrysler Group

Subject: Chrysler Group Comments
Comment:

```
Please see attached comments.
```

Attachment: www.arb.ca.gov/lists/com-attach/18-zev2013-BmsBblEzU2hRNgdi.pdf

Original File Name: Michael Hartrick 13-9-4.pdf

Date and Time Comment Was Submitted: 2013-10-29 09:37:57

No Duplicates.

Comment 2 for Zero Emission Vehicle Regulation (zev2013). (At Hearing)

First Name: Don
Last Name: Siefkes
Email Address: donsiefkes@aol.com
Affiliation: E100 Ethanol Group - Executive Director

Subject: ZEV2013 Comments
Comment:

```
Please see attached comments.
```

Attachment: www.arb.ca.gov/lists/com-attach/19-zev2013-VDBTOlM8WVUHclI7.pdf

Original File Name: Don Siefkes.pdf

Date and Time Comment Was Submitted: 2013-10-29 09:37:57

No Duplicates.

Comment 3 for Zero Emission Vehicle Regulation (zev2013). (At Hearing)

First Name: Julia
Last Name: Rege
Email Address: jrege@globalautomakers.org
Affiliation: Global Automakers

Subject: ZEV Success
Comment:

```
Please see attached comments.
```

Attachment: www.arb.ca.gov/lists/com-attach/20-zev2013-UjhXJAFsVW9RNlcI.pdf

Original File Name: Julia Rege.pdf

Date and Time Comment Was Submitted: 2013-10-29 09:37:57

No Duplicates.

Comment 4 for Zero Emission Vehicle Regulation (zev2013). (At Hearing)

First Name: Robert
Last Name: Bienenfeld
Email Address: Robert_Bienenfeld@ahm.honda.com
Affiliation: Honda

Subject: Honda Comments
Comment:

```
Please see attached comments.
```

Attachment: www.arb.ca.gov/lists/com-attach/21-zev2013-UCJVPFc0VWNVIQN3.pdf

Original File Name: Robert Bienenfeld.pdf

Date and Time Comment Was Submitted: 2013-10-29 09:37:57

No Duplicates.

Comment 5 for Zero Emission Vehicle Regulation (zev2013). (At Hearing)

First Name: Dave
Last Name: Patterson
Email Address: Non-web submitted comment
Affiliation: mitsubishi

Subject: mitsubishi Comments
Comment:

```
Please see attached comments.
```

Attachment: www.arb.ca.gov/lists/com-attach/22-zev2013-UjZWMQB3UmQGX1Ul.pdf

Original File Name: Dave Patterson.pdf

Date and Time Comment Was Submitted: 2013-10-29 09:37:57

No Duplicates.

Comment 6 for Zero Emission Vehicle Regulation (zev2013). (At Hearing)

First Name: Steven
Last Name: Douglas
Email Address: sdouglas@autoalliance.org
Affiliation: Alliance of Automobile Manufacturer

Subject: Minor Modifications to the Zero Emission Vehicle Regulation
Comment:

```
Please see attached comments.
```

Attachment: www.arb.ca.gov/lists/com-attach/23-zev2013-WilQIlI2UncKaVQ6.pdf

Original File Name: Steven Douglas.pdf

Date and Time Comment Was Submitted: 2013-10-29 09:37:57

No Duplicates.